



COWLEY HALL SCIENCE BUILDING

PROGRAM STATEMENT & PRE-DESIGN STUDY

University of Wisconsin – La Crosse
La Crosse, Wisconsin
DSF Project No. 09J2H

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APPENDIX A: ROOM DATA SHEETS

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Appendix A: Table of Contents

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Appendix A: Room Data Sheets

Room ID No.: 1A.1-2
 Room Name: 24 Seat Classroom
 Unit: Classrooms

Occupancy: 24
 Room Size: 600 ASF x 2

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____ ●
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 10'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____ ●
 Document Camera _____ ●
 Audio System _____ ●
 Touch-Screen Controls _____ ●
 Lighting _____ ●
 Audio/Visual _____ ●
 Overhead Projector _____ ●
 Projection Screen(s) _____ ●
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____ ●
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____ ●
 Clock _____ ●
 Pencil Sharpener _____ ●
 Teaching Podium _____ ●
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 1B.1-3
 Room Name: 32 Seat Classroom
 Unit: Classrooms

Occupancy: 32
 Room Size: 800 ASF x 3

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____ ●
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 10'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____ ●
 Document Camera _____ ●
 Audio System _____ ●
 Touch-Screen Controls _____ ●
 Lighting _____ ●
 Audio/Visual _____ ●
 Overhead Projector _____ ●
 Projection Screen(s) _____ ●
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____ ●
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____ ●
 Clock _____ ●
 Pencil Sharpener _____ ●
 Teaching Podium _____ ●
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 1C
 Room Name: 40 Seat Classroom
 Unit: Classrooms

Occupancy: 40
 Room Size: 1,000 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting ● _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting ● _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet ● _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet ● _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 10'-0" min _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight ● _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player ● _____
 Document Camera ● _____
 Audio System ● _____
 Touch-Screen Controls ● _____
 Lighting ● _____
 Audio/Visual ● _____
 Overhead Projector ● _____
 Projection Screen(s) ● _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) ● _____
 Movable Desks ● _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling ● _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board ● _____
 Marker Board ● _____
 Clock ● _____
 Pencil Sharpener ● _____
 Teaching Podium ● _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 1D.1-3
 Room Name: 48 Seat Classroom
 Unit: Classrooms

Occupancy: 48
 Room Size: 1,200 ASF x 3

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____ ●
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 10'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____ ●
 Document Camera _____ ●
 Audio System _____ ●
 Touch-Screen Controls _____ ●
 Lighting _____ ●
 Audio/Visual _____ ●
 Overhead Projector _____ ●
 Projection Screen(s) _____ ●
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____ ●
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____ ●
 Clock _____ ●
 Pencil Sharpener _____ ●
 Teaching Podium _____ ●
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 1E.1-2
 Room Name: 120 Seat Classroom
 Unit: Classrooms

Occupancy: 120
 Room Size: 2,880 ASF x 2

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer ●
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player ●
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera ●
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System ●
	Isolated Ground Outlet _____	Touch-Screen Controls ●
MECHANICAL	EMERGENCY POWER	Lighting
Temperature	UPS (OFOI) _____	Audio/Visual ●
68°-75° ± 2°F _____	Phone ●	Overhead Projector ●
Other _____	Data ●	Projection Screen(s) ●
Humidity	In Use Light _____	Lecture Capture ●
Uncontrolled _____	Task Lighting ●	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk _____	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative _____	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) ●
Additional Exhaust Air Filtration _____	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood _____	Bases _____	Recycling ●
Radioisotope Hood _____	Acids _____	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents _____	Refrigerator _____
Biological Safety Cabinet _____	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
		Marker Board ●
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock ●
Vibration Sensitive _____	Floor _____	Pencil Sharpener ●
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium ●
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing _____	Welded Seam Sheet Vinyl _____	Coat Hook(s) ●
Noise Producing _____	Epoxy _____	
	Carpet ●	ROOM DESCRIPTION
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl _____	
	Carpet ●	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 10'-0" min _____	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight ●	
REMARKS		
1. Fixed tables		
2. Acoustical wall treatment		
3. Style of seating and size of room		
TBD		

Appendix A: Room Data Sheets

Room ID No.: 1F.1-2
 Room Name: 150 Seat Classroom
 Unit: Classrooms

Occupancy: 150
 Room Size: 3,600 ASF x 2

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____ ●
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 10'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____ ●
 Document Camera _____ ●
 Audio System _____ ●
 Touch-Screen Controls _____ ●
 Lighting _____ ●
 Audio/Visual _____ ●
 Overhead Projector _____ ●
 Projection Screen(s) _____ ●
 Lecture Capture _____ ●
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____ ●
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____ ●
 Clock _____ ●
 Pencil Sharpener _____ ●
 Teaching Podium _____ ●
 Laboratory Workstations _____ ●
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

1. Fixed tables
2. Acoustical wall treatment
3. Style of seating and size of room
TBD

Appendix A: Room Data Sheets

Room ID No.: 1G.1-2 Occupancy:
 Room Name: Classroom Support – Lecture Prep Storage Room Size: 320 ASF x 2
 Unit: Classrooms

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr><td>Hours of Use</td><td>_____</td></tr> <tr><td> 8 hours/day</td><td>_____</td></tr> <tr><td> 14 hours/day</td><td style="text-align: center;">●</td></tr> <tr><td> 24 hours/day</td><td>_____</td></tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr><td>Temperature</td><td>_____</td></tr> <tr><td> 68°-75° ± 2°F</td><td style="text-align: center;">●</td></tr> <tr><td> Other</td><td>_____</td></tr> <tr><td>Humidity</td><td>_____</td></tr> <tr><td> Uncontrolled</td><td style="text-align: center;">●</td></tr> <tr><td> Other</td><td>_____</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td style="text-align: center;">4</td></tr> <tr><td>Air Recirculation</td><td>_____</td></tr> <tr><td>Air Pressure Positive</td><td>_____</td></tr> <tr><td>Air Pressure Negative</td><td style="text-align: center;">●</td></tr> <tr><td>Additional Supply Air Filtration</td><td>_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td>_____</td></tr> <tr> <th colspan="2" style="background-color: black; 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2.	(1) Sink																																																																																																																																																																																																																																																																																																																																	

Appendix A: Room Data Sheets

Room ID No.: 2A1
Room Name: Science Education Methods Laboratory
Unit: Miscellaneous Instructional Support
Occupancy: 40
Room Size: 1,800 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use 8 hours/day 14 hours/day 24 hours/day	110V, 20A, 1 Phase 208V, 30A, 1 Phase 208V, 30A, 3 Phase 480V, 100A, 3 Phase Isolated Ground Outlet Emergency Power UPS (OFOI) Phone Data In Use Light Task Lighting Lighting Level 100 fc at bench/desk 75 fc at bench/desk Safe Light Special Lighting Darkenable Zoned Lighting Other	Computer DVD or Bluray Player Document Camera Audio System Touch-Screen Controls Lighting Audio/Visual Overhead Projector Projection Screen(s) Lecture Capture Flat Panel Monitor Digital Signage SMART Board Technology
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature 68°-75° ± 2°F Other Humidity Uncontrolled Other Minimum Air Changes/Hr. Air Recirculation Air Pressure Positive Air Pressure Negative Additional Supply Air Filtration Additional Exhaust Air Filtration	Bases Acids Solvents Radioisotopes Carcinogens/Regulated Chemical Waste Storage Biological Storage Radioisotope Storage Chemical Storage	Movable Chairs Task Chair(s) Movable Desks Movable Laboratory Stations Lounge Seating Movable Table(s) Recycling Bookshelves Refrigerator Microwave Coffeemaker Copier/Scanner/Printer
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood Radioisotope Hood Horizontal Laminar Flow Hood Biological Safety Cabinet Snorkel Canopy Hood Low Slotted Exhaust Equipment Exhaust Other	Floor VCT (Chemical Resistant) VCT Welded Seam Sheet Vinyl Epoxy Carpet Sealed Concrete Terrazzo Tile Other Base 4" Vinyl Carpet Integral w/floor Terrazzo Tile Other Partitions Gyp Board, Epoxy Paint Gyp Board, Paint Other Ceiling Open Acoustical Tile Gyp Board, Epoxy Paint Height Doors 3'-6" x 7' 3'-0" x 7' 1'-6" x 7' Light Tight Rotating Door Vision Panel Natural Daylight	Bulletin Board Marker Board Clock Pencil Sharpener Teaching Podium Laboratory Workstations Coat Hook(s)
LABORATORY EQUIPMENT		ROOM DESCRIPTION
Vibration Sensitive Light Sensitive Vibration Producing Heat Producing Noise Producing		
PLUMBING		REMARKS
Laboratory Gas (LG) Laboratory Vacuum (LV) Laboratory Air (LA) Compressed Air, 100 psi (A) Industrial Hot Water (IHW) Industrial Cold Water (ICW) Potable Hot Water (HW) Potable Cold Water (CW) Purified Water (PW) Chilled Water (CHW S/R) Steam Condensate Return Carbon Dioxide (CO ₂) Nitrogen Gas (N ₂) Cylinder Gases Inert Flammable Toxic Floor Drain (FD) Floor Sink (FS) Safety Shower/Eyewash (SS) Drench Hose (DH)		1. (2) Sinks @ perimeter 2. Shared by all departments

Appendix A: Room Data Sheets

Room ID No.: 2A2

Occupancy:

Room Name: Prep Area and Storage

Room Size: 320 ASF

Unit: Miscellaneous Instructional Support

UTILIZATION	
Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL	
Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	4
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS	
Chemical Fume Hood	
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT	
Vibration Sensitive	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING	
Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	
Flammable	
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	
Drench Hose (DH)	●

ELECTRICAL	
110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	one
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	
75 fc at bench/desk	●
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	
Other	

CHEMICALS	
Bases	
Acids	
Solvents	
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL	
Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY	
Computer	
DVD or Bluray Player	
Document Camera	
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	
Projection Screen(s)	
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT	
Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT	
Bulletin Board	●
Marker Board	
Clock	
Pencil Sharpener	
Teaching Podium	
Laboratory Workstations	●
Coat Hook(s)	

ROOM DESCRIPTION	

REMARKS	
1.	(1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 2B1
 Room Name: Dark Room
 Unit: Miscellaneous Instructional Support

Occupancy:
 Room Size: 160 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	●

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	_____
Humidity	
Uncontrolled	●
Other	_____
Minimum Air Changes/Hr.	6
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	A.
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LA)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	_____
Data	_____
In Use Light	●
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	_____
75 fc at bench/desk	●
Safe Light	●
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	●
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●
Other	_____
Ceiling	
Open	_____
Acoustical Tile	_____
Gyp Board, Epoxy Paint	●
Height	9'-0" min.
Doors	
3'-6" x 7'	_____
3'-0" x 7'	B.
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	●
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- A. Low slot exh @ process sink & exhaust @ X-O Mat.
- B. Light tight door
- 1. Shared by all departments.
- 2. (1) Processing sink

Appendix A: Room Data Sheets

Room ID No.: 2B3 Occupancy:
 Room Name: Acid Storage Room Size: 160 ASF
 Unit: Miscellaneous Instructional Support

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	_____ ●

MECHANICAL

Temperature	
68°-75° ± 2°F	_____ ●
Other	_____
Humidity	
Uncontrolled	_____ ●
Other	_____
Minimum Air Changes/Hr.	_____ 6
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____ ●
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____ A.
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LA)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____
Industrial Cold Water (ICW)	_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____ ●
Drench Hose (DH)	_____

ELECTRICAL

110V, 20A, 1 Phase	_____ ●
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	_____
Data	_____
In Use Light	_____
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	_____
75 fc at bench/desk	_____ ●
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____ ●
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____ ●

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____ ●
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____ ●
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	_____ ●
Other	_____
Ceiling	
Open	_____ ●
Acoustical Tile	_____
Gyp Board, Epoxy Paint	_____
Height	_____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	_____ ●
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	_____ ●
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____ ●
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	_____
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- A. Vented corrosive storage cabinets
- 1. Clean corrosive supply for all departments.

Appendix A: Room Data Sheets

Room ID No.: 2C
 Room Name: Student Collaborative Learning Spaces
 Unit: Miscellaneous Instructional Support
 Occupancy:
 Room Size: 3,364 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____ ●
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____ A
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____ ●
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____ ●
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

- A. Flat panel monitor with laptop connectivity in group study areas.
- 1. Collaborative Learning Areas can include open study areas, closed quiet or group study areas, hallway niche's, etc.

Appendix A: Room Data Sheets

Room ID No.: 2D.1-4 Occupancy: 2
 Room Name: Testing Room(s) Room Size: 120 ASF x 4
 Unit: Miscellaneous Instructional Support

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone ● _____	Overhead Projector _____
	Data ● _____	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting ● _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs ● _____
68°-75° ± 2°F _____	Acids _____	Task Chair(s) _____
Other _____	Solvents _____	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) ● _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet ● _____	Laboratory Workstations _____
Low Slotted Exhaust _____	Carpet _____	Coat Hook(s) ● _____
Equipment Exhaust _____	Sealed Concrete _____	
Other _____	Terrazzo _____	
	Tile _____	
	Other _____	
	Base	
	4" Vinyl _____	
	Carpet ● _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ● _____	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile ● _____	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min. _____	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' ● _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel ● _____	
	Natural Daylight _____	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive _____		
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 2E

Occupancy:

Room Name: Office Suite Circulation

Room Size: 2,727 ASF

Unit: Miscellaneous Instructional Support

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase	Computer
8 hours/day	208V, 30A, 1 Phase	DVD or Bluray Player
14 hours/day	208V, 30A, 3 Phase	Document Camera
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
	Emergency Power	Lighting
	UPS (OFOI)	Audio/Visual
	Phone	Overhead Projector
	Data	Projection Screen(s)
	In Use Light	Lecture Capture
	Task Lighting	Flat Panel Monitor
	Lighting Level	Digital Signage
	100 fc at bench/desk	SMART Board Technology
	75 fc at bench/desk	
	Safe Light	
	Special Lighting	MOVABLE EQUIPMENT
	Darkenable	Movable Chairs
	Zoned Lighting	Task Chair(s)
	Other	Movable Desks
		Movable Laboratory Stations
		Lounge Seating
		Movable Table(s)
		Recycling
		Bookshelves
		Refrigerator
		Microwave
		Coffeemaker
		Copier/Scanner/Printer
		FIXED EQUIPMENT
		Bulletin Board
		Marker Board
		Clock
		Pencil Sharpener
		Teaching Podium
		Laboratory Workstations
		Coat Hook(s)
		ROOM DESCRIPTION
MECHANICAL	CHEMICALS	REMARKS
Temperature	Bases	1. Office suite circulation includes hallway space within the department suite arrangements.
68°-75° ± 2°F	Acids	
Other	Solvents	
Humidity	Radioisotopes	
Uncontrolled	Carcinogens/Regulated	
Other	Chemical Waste Storage	
Minimum Air Changes/Hr.	Biological Storage	
Air Recirculation	Radioisotope Storage	
Air Pressure Positive	Chemical Storage	
Air Pressure Negative		
Additional Supply Air Filtration	ARCHITECTURAL	
Additional Exhaust Air Filtration	Floor	
	VCT (Chemical Resistant)	
	VCT	
	Welded Seam Sheet Vinyl	
	Epoxy	
	Carpet	
	Sealed Concrete	
	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint	
	Other	
	Ceiling	
	Open	
	Acoustical Tile	
	Gyp Board, Epoxy Paint	
	Height	
	Doors	
	3'-6" x 7'	
	3'-0" x 7'	
	1'-6" x 7'	
	Light Tight Rotating Door	
	Vision Panel	
	Natural Daylight	

Appendix A: Room Data Sheets

Room ID No.: 2F.1-4

Room Name: Conference Room

Unit: Miscellaneous Instructional Support

Occupancy: 20

Room Size: 600 ASF x 4

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	_____	Computer	●
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	●
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	●
MECHANICAL		Isolated Ground Outlet	_____	Touch-Screen Controls	●
Temperature		Emergency Power	_____	Lighting	●
68°-75° ± 2°F	_____	UPS (OFOI)	_____	Audio/Visual	●
Other	_____	Phone	●	Overhead Projector	_____
Humidity		Data	●	Projection Screen(s)	_____
Uncontrolled	_____	In Use Light	_____	Lecture Capture	_____
Other	_____	Task Lighting	●	Flat Panel Monitor	●
Minimum Air Changes/Hr.	_____	Lighting Level		Digital Signage	_____
Air Recirculation	_____	100 fc at bench/desk	_____	SMART Board Technology	_____
Air Pressure Positive	_____	75 fc at bench/desk	_____	MOVABLE EQUIPMENT	
Air Pressure Negative	_____	Safe Light	_____	Movable Chairs	_____
Additional Supply Air Filtration	_____	Special Lighting	_____	Task Chair(s)	●
Additional Exhaust Air Filtration	_____	Darkenable	_____	Movable Desks	_____
HOODS		Zoned Lighting	_____	Movable Laboratory Stations	_____
Chemical Fume Hood	_____	Other	_____	Lounge Seating	_____
Radioisotope Hood	_____	CHEMICALS		Movable Table(s)	●
Horizontal Laminar Flow Hood	_____	Bases	_____	Recycling	_____
Biological Safety Cabinet	_____	Acids	_____	Bookshelves	_____
Snorkel	_____	Solvents	_____	Refrigerator	_____
Canopy Hood	_____	Radioisotopes	_____	Microwave	_____
Low Slotted Exhaust	_____	Carcinogens/Regulated	_____	Coffeemaker	_____
Equipment Exhaust	_____	Chemical Waste Storage	_____	Copier/Scanner/Printer	_____
Other	_____	Biological Storage	_____	FIXED EQUIPMENT	
LABORATORY EQUIPMENT		Radioisotope Storage	_____	Bulletin Board	_____
Vibration Sensitive	_____	Chemical Storage	_____	Marker Board	●
Light Sensitive	_____	ARCHITECTURAL		Clock	_____
Vibration Producing	_____	Floor		Pencil Sharpener	_____
Heat Producing	_____	VCT (Chemical Resistant)	_____	Teaching Podium	_____
Noise Producing	_____	VCT	_____	Laboratory Workstations	_____
PLUMBING		Welded Seam Sheet Vinyl	_____	Coat Hook(s)	●
Laboratory Gas (LG)	_____	Epoxy	_____	ROOM DESCRIPTION	
Laboratory Vacuum (LV)	_____	Carpet	●		
Laboratory Air (LV)	_____	Sealed Concrete	_____		
Compressed Air, 100 psi (A)	_____	Terrazzo	_____		
Industrial Hot Water (IHW)	_____	Tile	_____		
Industrial Cold Water (ICW)	_____	Other	_____		
Potable Hot Water (HW)	_____	Base			
Potable Cold Water (CW)	_____	4" Vinyl	_____		
Purified Water (PW)	_____	Carpet	●		
Chilled Water (CHW S/R)	_____	Integral w/floor	_____		
Steam	_____	Terrazzo	_____		
Condensate Return	_____	Tile	_____		
Carbon Dioxide (CO ₂)	_____	Other	_____		
Nitrogen Gas (N ₂)	_____	Partitions			
Cylinder Gases	_____	Gyp Board, Epoxy Paint	_____		
Inert	_____	Gyp Board, Paint	●		
Flammable	_____	Other	_____		
Toxic	_____	Ceiling			
Floor Drain (FD)	_____	Open	_____		
Floor Sink (FS)	_____	Acoustical Tile	●		
Safety Shower/Eyewash (SS)	_____	Gyp Board, Epoxy Paint	_____		
Drench Hose (DH)	_____	Height	9'-0" min.		
		Doors			
		3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	_____		
		Light Tight Rotating Door	_____		
		Vision Panel	●		
		Natural Daylight	_____		
				REMARKS	

Appendix A: Room Data Sheets

Room ID No.: 2G.1-4

Occupancy:

Room Name: Shared Printing Areas

Room Size: 80 ASF x 4

Unit: Miscellaneous Instructional Support

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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1.	Metal storage cabinets																																																																																																																																																																																																																																																																																																																															

Appendix A: Room Data Sheets

Room ID No.: 2H
 Room Name: Chemical Waste Holding
 Unit: Miscellaneous Instructional Support

Occupancy:
 Room Size: 160 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input checked="" type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day <input type="checkbox"/>	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input checked="" type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
	Emergency Power <input type="checkbox"/>	Lighting <input type="checkbox"/>
	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
	Data <input type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
	Lighting Level <input type="checkbox"/>	Digital Signage <input type="checkbox"/>
	100 fc at bench/desk <input type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
	75 fc at bench/desk <input checked="" type="checkbox"/>	
	Safe Light <input type="checkbox"/>	
	Special Lighting <input type="checkbox"/>	
	Darkenable <input type="checkbox"/>	
	Zoned Lighting <input type="checkbox"/>	
	Other <input type="checkbox"/>	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases <input type="checkbox"/>	Movable Chairs <input type="checkbox"/>
68°-75° ± 2°F <input checked="" type="checkbox"/>	Acids <input checked="" type="checkbox"/>	Task Chair(s) <input type="checkbox"/>
Other <input type="checkbox"/>	Solvents <input checked="" type="checkbox"/>	Movable Desks <input type="checkbox"/>
Humidity	Radioisotopes <input type="checkbox"/>	Movable Laboratory Stations <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	Carcinogens/Regulated <input type="checkbox"/>	Lounge Seating <input type="checkbox"/>
Other <input type="checkbox"/>	Chemical Waste Storage <input type="checkbox"/>	Movable Table(s) <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/>	Biological Storage <input type="checkbox"/>	Recycling <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	Radioisotope Storage <input type="checkbox"/>	Bookshelves <input type="checkbox"/>
Air Pressure Positive <input type="checkbox"/>	Chemical Storage <input checked="" type="checkbox"/>	Refrigerator <input type="checkbox"/>
Air Pressure Negative <input checked="" type="checkbox"/>		Microwave <input type="checkbox"/>
Additional Supply Air Filtration <input type="checkbox"/>		Coffeemaker <input type="checkbox"/>
Additional Exhaust Air Filtration <input type="checkbox"/>		Copier/Scanner/Printer <input type="checkbox"/>
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood <input type="checkbox"/>	Floor	Bulletin Board <input checked="" type="checkbox"/>
Radioisotope Hood <input type="checkbox"/>	VCT (Chemical Resistant) <input type="checkbox"/>	Marker Board <input type="checkbox"/>
Horizontal Laminar Flow Hood <input type="checkbox"/>	VCT <input type="checkbox"/>	Clock <input type="checkbox"/>
Biological Safety Cabinet <input type="checkbox"/>	Welded Seam Sheet Vinyl <input type="checkbox"/>	Pencil Sharpener <input type="checkbox"/>
Snorkel <input type="checkbox"/>	Epoxy <input type="checkbox"/>	Teaching Podium <input type="checkbox"/>
Canopy Hood <input type="checkbox"/>	Carpet <input type="checkbox"/>	Laboratory Workstations <input type="checkbox"/>
Low Slotted Exhaust <input type="checkbox"/>	Sealed Concrete <input checked="" type="checkbox"/>	Coat Hook(s) <input type="checkbox"/>
Equipment Exhaust <input type="checkbox"/>	Terrazzo <input type="checkbox"/>	
Other <input type="checkbox"/>	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Base	
	4" Vinyl <input checked="" type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Integral w/floor <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Partitions	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Gyp Board, Paint <input checked="" type="checkbox"/>	
	Other <input type="checkbox"/>	
	Ceiling	
	Open <input checked="" type="checkbox"/>	
	Acoustical Tile <input type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Height <input type="checkbox"/>	
	Doors	
	3'-6" x 7' <input type="checkbox"/>	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input type="checkbox"/>	
	Light Tight Rotating Door <input type="checkbox"/>	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input type="checkbox"/>	
LABORATORY EQUIPMENT	PLUMBING	REMARKS
Vibration Sensitive <input type="checkbox"/>	Laboratory Gas (LG) <input type="checkbox"/>	A. Vented corrosive and flammable storage cabinets. 1. Short term chemical waste holding from all departments.
Light Sensitive <input type="checkbox"/>	Laboratory Vacuum (LV) <input type="checkbox"/>	
Vibration Producing <input type="checkbox"/>	Laboratory Air (LA) <input type="checkbox"/>	
Heat Producing <input type="checkbox"/>	Compressed Air, 100 psi (A) <input type="checkbox"/>	
Noise Producing <input type="checkbox"/>	Industrial Hot Water (IHW) <input type="checkbox"/>	
	Industrial Cold Water (ICW) <input type="checkbox"/>	
	Potable Hot Water (HW) <input type="checkbox"/>	
	Potable Cold Water (CW) <input type="checkbox"/>	
	Purified Water (PW) <input type="checkbox"/>	
	Chilled Water (CHW S/R) <input type="checkbox"/>	
	Steam <input type="checkbox"/>	
	Condensate Return <input type="checkbox"/>	
	Carbon Dioxide (CO ₂) <input type="checkbox"/>	
	Nitrogen Gas (N ₂) <input type="checkbox"/>	
	Cylinder Gases <input type="checkbox"/>	
	Inert <input type="checkbox"/>	
	Flammable <input type="checkbox"/>	
	Toxic <input type="checkbox"/>	
	Floor Drain (FD) <input type="checkbox"/>	
	Floor Sink (FS) <input type="checkbox"/>	
	Safety Shower/Eyewash (SS) <input checked="" type="checkbox"/>	
	Drench Hose (DH) <input type="checkbox"/>	

Appendix A: Room Data Sheets

Room ID No.: 2I

Occupancy:

Room Name: Field Equipment Storage

Room Size: 1,280 ASF

Unit: Miscellaneous Instructional Support

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	<input checked="" type="checkbox"/>

MECHANICAL

Temperature	
68°-75° ± 2°F	<input checked="" type="checkbox"/>
Other	_____
Humidity	
Uncontrolled	<input checked="" type="checkbox"/>
Other	_____
Minimum Air Changes/Hr.	4
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	<input checked="" type="checkbox"/>
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LA)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	<input checked="" type="checkbox"/>
Industrial Cold Water (ICW)	<input checked="" type="checkbox"/>
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	<input checked="" type="checkbox"/>
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____

ELECTRICAL

110V, 20A, 1 Phase	<input checked="" type="checkbox"/>
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	_____
Data	_____
In Use Light	_____
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	_____
75 fc at bench/desk	<input checked="" type="checkbox"/>
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	<input checked="" type="checkbox"/>
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	_____
Sealed Concrete	<input checked="" type="checkbox"/>
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	<input checked="" type="checkbox"/>
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	<input checked="" type="checkbox"/>
Other	_____
Ceiling	
Open	<input checked="" type="checkbox"/>
Acoustical Tile	_____
Gyp Board, Epoxy Paint	_____
Height	_____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	<input checked="" type="checkbox"/>
1'-6" x 7'	<input checked="" type="checkbox"/>
Light Tight Rotating Door	_____
Vision Panel	<input checked="" type="checkbox"/>
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	<input checked="" type="checkbox"/>
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	<input checked="" type="checkbox"/>
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

1. Chain link portioned areas for Biology, River Study and Geography.
2. Common floor curbed area for dirty wash down.
3. (1) Hand wash sink

Appendix A: Room Data Sheets

Room ID No.: 2J
 Room Name: Shop
 Unit: Miscellaneous Instructional Support

Occupancy:
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing
 Heat Producing _____
 Noise Producing

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD)
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

1. Shared by all departments for metal work, wood work & glass blowing.
2. (1) Hand wash sink

Appendix A: Room Data Sheets

Room ID No.: 2K.1-2

Occupancy: 20

Room Name: Faculty Resource Center

Room Size: 640 ASF x 2

Unit: Miscellaneous Instructional Support

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use	_____	110V, 20A, 1 Phase	_____	Computer	_____
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
		Emergency Power	_____	Lighting	_____
		UPS (OFOI)	_____	Audio/Visual	_____
		Phone	●	Overhead Projector	_____
		Data	●	Projection Screen(s)	_____
		In Use Light	_____	Lecture Capture	_____
		Task Lighting	_____	Flat Panel Monitor	●
		Lighting Level	_____	Digital Signage	_____
		100 fc at bench/desk	_____	SMART Board Technology	_____
		75 fc at bench/desk	_____		
		Safe Light	_____		
		Special Lighting	_____		
		Darkenable	_____		
		Zoned Lighting	_____		
		Other	_____		
MECHANICAL		CHEMICALS		MOVABLE EQUIPMENT	
Temperature	_____	Bases	_____	Movable Chairs	●
68°-75° ± 2°F	_____	Acids	_____	Task Chair(s)	_____
Other	_____	Solvents	_____	Movable Desks	_____
Humidity	_____	Radioisotopes	_____	Movable Laboratory Stations	_____
Uncontrolled	_____	Carcinogens/Regulated	_____	Lounge Seating	●
Other	_____	Chemical Waste Storage	_____	Movable Table(s)	●
Minimum Air Changes/Hr.	_____	Biological Storage	_____	Recycling	●
Air Recirculation	_____	Radioisotope Storage	_____	Bookshelves	●
Air Pressure Positive	_____	Chemical Storage	_____	Refrigerator	●
Air Pressure Negative	_____			Microwave	●
Additional Supply Air Filtration	_____			Coffeemaker	●
Additional Exhaust Air Filtration	_____			Copier/Scanner/Printer	_____
HOODS		ARCHITECTURAL		FIXED EQUIPMENT	
Chemical Fume Hood	_____	Floor	_____	Bulletin Board	●
Radioisotope Hood	_____	VCT (Chemical Resistant)	_____	Marker Board	●
Horizontal Laminar Flow Hood	_____	VCT	_____	Clock	●
Biological Safety Cabinet	_____	Welded Seam Sheet Vinyl	_____	Pencil Sharpener	_____
Snorkel	_____	Epoxy	_____	Teaching Podium	_____
Canopy Hood	_____	Carpet	●	Laboratory Workstations	_____
Low Slotted Exhaust	_____	Sealed Concrete	_____	Coat Hook(s)	●
Equipment Exhaust	_____	Terrazzo	_____		
Other	_____	Tile	_____		
		Other	_____		
LABORATORY EQUIPMENT		Base	_____	ROOM DESCRIPTION	
Vibration Sensitive	_____	4" Vinyl	_____		
Light Sensitive	_____	Carpet	●		
Vibration Producing	_____	Integral w/floor	_____		
Heat Producing	_____	Terrazzo	_____		
Noise Producing	_____	Tile	_____		
		Other	_____		
PLUMBING		Partitions	_____	REMARKS	
Laboratory Gas (LG)	_____	Gyp Board, Epoxy Paint	_____		
Laboratory Vacuum (LV)	_____	Gyp Board, Paint	●		
Laboratory Air (LV)	_____	Other	_____		
Compressed Air, 100 psi (A)	_____	Ceiling	_____		
Industrial Hot Water (IHW)	_____	Open	_____		
Industrial Cold Water (ICW)	_____	Acoustical Tile	●		
Potable Hot Water (HW)	_____	Gyp Board, Epoxy Paint	_____		
Potable Cold Water (CW)	_____	Height	9'-0" min.		
Purified Water (PW)	_____	Doors	_____		
Chilled Water (CHW S/R)	_____	3'-6" x 7'	_____		
Steam	_____	3'-0" x 7'	●		
Condensate Return	_____	1'-6" x 7'	_____		
Carbon Dioxide (CO ₂)	_____	Light Tight Rotating Door	_____		
Nitrogen Gas (N ₂)	_____	Vision Panel	●		
Cylinder Gases	_____	Natural Daylight	●		
Inert	_____				
Flammable	_____				
Toxic	_____				
Floor Drain (FD)	_____				
Floor Sink (FS)	_____				
Safety Shower/Eyewash (SS)	_____				
Drench Hose (DH)	_____				

Appendix A: Room Data Sheets

Room ID No.: 2L.1-3
 Room Name: Vending & Seating Area
 Unit: Miscellaneous Instructional Support

Occupancy:
 Room Size: 450 ASF x 3

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data _____ ●	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
HOODS		
Chemical Fume Hood _____		
Radioisotope Hood _____		
Horizontal Laminar Flow Hood _____		
Biological Safety Cabinet _____		
Snorkel _____		
Canopy Hood _____		
Low Slotted Exhaust _____		
Equipment Exhaust _____		
Other _____		
LABORATORY EQUIPMENT		
Vibration Sensitive _____		
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
MOVABLE EQUIPMENT		
		Movable Chairs _____ ●
		Task Chair(s) _____
		Movable Desks _____
		Movable Laboratory Stations _____
		Lounge Seating _____ ●
		Movable Table(s) _____ ●
		Recycling _____
		Bookshelves _____
		Refrigerator _____
		Microwave _____
		Coffemaker _____
		Copier/Scanner/Printer _____
FIXED EQUIPMENT		
		Bulletin Board _____
		Marker Board _____
		Clock _____
		Pencil Sharpener _____
		Teaching Podium _____
		Laboratory Workstations _____
		Coat Hook(s) _____
ARCHITECTURAL		
	Floor _____	
	VCT (Chemical Resistant) _____	
	VCT _____	
	Welded Seam Sheet Vinyl _____	
	Epoxy _____	
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl _____	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint _____	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile _____	
	Gyp Board, Epoxy Paint _____	
	Height _____	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
ROOM DESCRIPTION		
REMARKS		

Appendix A: Room Data Sheets

Room ID No.: 2M

Occupancy: 30

Room Name: Cyber Café

Room Size: 1,000 ASF

Unit: Miscellaneous Instructional Support

<div style="background-color: black; color: white; padding: 2px;">UTILIZATION</div> Hours of Use 8 hours/day _____ 14 hours/day _____ 24 hours/day _____	<div style="background-color: black; color: white; padding: 2px;">ELECTRICAL</div> 110V, 20A, 1 Phase _____ 208V, 30A, 1 Phase _____ 208V, 30A, 3 Phase _____ 480V, 100A, 3 Phase _____ Isolated Ground Outlet _____ Emergency Power _____ UPS (OFOI) _____ Phone _____ Data ● _____ In Use Light _____ Task Lighting _____ Lighting Level _____ 100 fc at bench/desk _____ 75 fc at bench/desk _____ Safe Light _____ Special Lighting _____ Darkenable _____ Zoned Lighting _____ Other _____	<div style="background-color: black; color: white; padding: 2px;">TECHNOLOGY</div> Computer _____ DVD or Bluray Player _____ Document Camera _____ Audio System _____ Touch-Screen Controls _____ Lighting _____ Audio/Visual _____ Overhead Projector _____ Projection Screen(s) _____ Lecture Capture _____ Flat Panel Monitor _____ Digital Signage ● _____ SMART Board Technology _____
<div style="background-color: black; color: white; padding: 2px;">MECHANICAL</div> Temperature 68°-75° ± 2°F _____ Other _____ Humidity Uncontrolled _____ Other _____ Minimum Air Changes/Hr. _____ Air Recirculation _____ Air Pressure Positive _____ Air Pressure Negative _____ Additional Supply Air Filtration _____ Additional Exhaust Air Filtration _____	<div style="background-color: black; color: white; padding: 2px;">CHEMICALS</div> Bases _____ Acids _____ Solvents _____ Radioisotopes _____ Carcinogens/Regulated _____ Chemical Waste Storage _____ Biological Storage _____ Radioisotope Storage _____ Chemical Storage _____	<div style="background-color: black; color: white; padding: 2px;">MOVABLE EQUIPMENT</div> Movable Chairs ● _____ Task Chair(s) _____ Movable Desks _____ Movable Laboratory Stations _____ Lounge Seating ● _____ Movable Table(s) ● _____ Recycling ● _____ Bookshelves _____ Refrigerator _____ Microwave _____ Coffeemaker _____ Copier/Scanner/Printer _____
<div style="background-color: black; color: white; padding: 2px;">HOODS</div> Chemical Fume Hood _____ Radioisotope Hood _____ Horizontal Laminar Flow Hood _____ Biological Safety Cabinet _____ Snorkel _____ Canopy Hood _____ Low Slotted Exhaust _____ Equipment Exhaust _____ Other _____	<div style="background-color: black; color: white; padding: 2px;">ARCHITECTURAL</div> Floor VCT (Chemical Resistant) _____ VCT _____ Welded Seam Sheet Vinyl _____ Epoxy _____ Carpet _____ Sealed Concrete _____ Terrazzo ● _____ Tile ● _____ Other _____ Base 4" Vinyl _____ Carpet _____ Integral w/floor _____ Terrazzo ● _____ Tile ● _____ Other _____ Partitions Gyp Board, Epoxy Paint _____ Gyp Board, Paint ● _____ Other _____ Ceiling Open _____ Acoustical Tile _____ Gyp Board, Epoxy Paint _____ Height _____ Doors 3'-6" x 7' _____ 3'-0" x 7' _____ 1'-6" x 7' _____ Light Tight Rotating Door _____ Vision Panel _____ Natural Daylight ● _____	<div style="background-color: black; color: white; padding: 2px;">FIXED EQUIPMENT</div> Bulletin Board _____ Marker Board _____ Clock _____ Pencil Sharpener _____ Teaching Podium _____ Laboratory Workstations _____ Coat Hook(s) _____
<div style="background-color: black; color: white; padding: 2px;">LABORATORY EQUIPMENT</div> Vibration Sensitive _____ Light Sensitive _____ Vibration Producing _____ Heat Producing _____ Noise Producing _____		<div style="background-color: black; color: white; padding: 2px;">ROOM DESCRIPTION</div>
<div style="background-color: black; color: white; padding: 2px;">PLUMBING</div> Laboratory Gas (LG) _____ Laboratory Vacuum (LV) _____ Laboratory Air (LV) _____ Compressed Air, 100 psi (A) _____ Industrial Hot Water (IHW) _____ Industrial Cold Water (ICW) _____ Potable Hot Water (HW) _____ Potable Cold Water (CW) _____ Purified Water (PW) _____ Chilled Water (CHW S/R) _____ Steam _____ Condensate Return _____ Carbon Dioxide (CO ₂) _____ Nitrogen Gas (N ₂) _____ Cylinder Gases _____ Inert _____ Flammable _____ Toxic _____ Floor Drain (FD) _____ Floor Sink (FS) _____ Safety Shower/Eyewash (SS) _____ Drench Hose (DH) _____		<div style="background-color: black; color: white; padding: 2px;">REMARKS</div>

Appendix A: Room Data Sheets

Room ID No.: 3A
 Room Name: Department Chair's Office
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 3B.1-22
 Room Name: Ranked Faculty Office
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF x 22

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 3C.1-7
 Room Name: Future Ranked Faculty Office
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF x 7

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 3D.1-5
 Room Name: Lecturer – Full Time
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF x 5

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____ ●
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3E
 Room Name: Lecturer – Part Time
 Unit: Biology Department

Occupancy: 2
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td>Hours of Use</td> <td>_____</td> </tr> <tr> <td> 8 hours/day</td> <td>_____</td> </tr> <tr> <td> 14 hours/day</td> <td>_____</td> </tr> <tr> <td> 24 hours/day</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td>Temperature</td> <td>_____</td> </tr> <tr> <td> 68°-75° ± 2°F</td> <td>_____</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Humidity</td> <td>_____</td> </tr> <tr> <td> Uncontrolled</td> <td>_____</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Minimum Air Changes/Hr.</td> <td>_____</td> </tr> <tr> <td>Air Recirculation</td> <td>_____</td> </tr> <tr> <td>Air Pressure Positive</td> <td>_____</td> </tr> <tr> <td>Air Pressure Negative</td> <td>_____</td> </tr> <tr> <td>Additional Supply Air Filtration</td> <td>_____</td> </tr> <tr> <td>Additional Exhaust Air Filtration</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 3F
 Room Name: Support Staff/Reception Area/Files
 Unit: Biology Department
 Occupancy: 9
 Room Size: 458 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3G
 Room Name: Secure Office Storage
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data _____	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs _____
68°-75° ± 2°F _____	Acids _____	Task Chair(s) _____
Other _____	Solvents _____	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet _____ ●	Laboratory Workstations _____
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) _____
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl _____	
	Carpet _____ ●	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint _____ ●	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile _____ ●	
	Gyp Board, Epoxy Paint _____	
	Height _____ 9'-0" min	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' _____ ●	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive _____		1. Metal file cabinets
Light Sensitive _____		2. Metal storage cabinets
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 3H.1-2
 Room Name: Workroom
 Unit: Biology Department

Occupancy:
 Room Size: 120 ASF x 2

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____ ●
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____ ●
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____ ●
 Microwave _____
 Coffeemaker _____ ●
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

1. (1) Single compartment sink

Appendix A: Room Data Sheets

Room ID No.: 3I.1-8
 Room Name: Teaching Assistants
 Unit: Biology Department

Occupancy: 2
 Room Size: 120 ASF x 8

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3J.1-17
 Room Name: Graduate Assistants
 Unit: Biology Department

Occupancy: 2
 Room Size: 120 ASF x 17

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">TECHNOLOGY</td> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 3K.1-3
 Room Name: Lab Support Staff
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF x 3

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____ ●
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3L1-3
 Room Name: Introductory Biology Laboratory
 Unit: Biology Department

Occupancy: 28
 Room Size: 1,280 ASF x 3

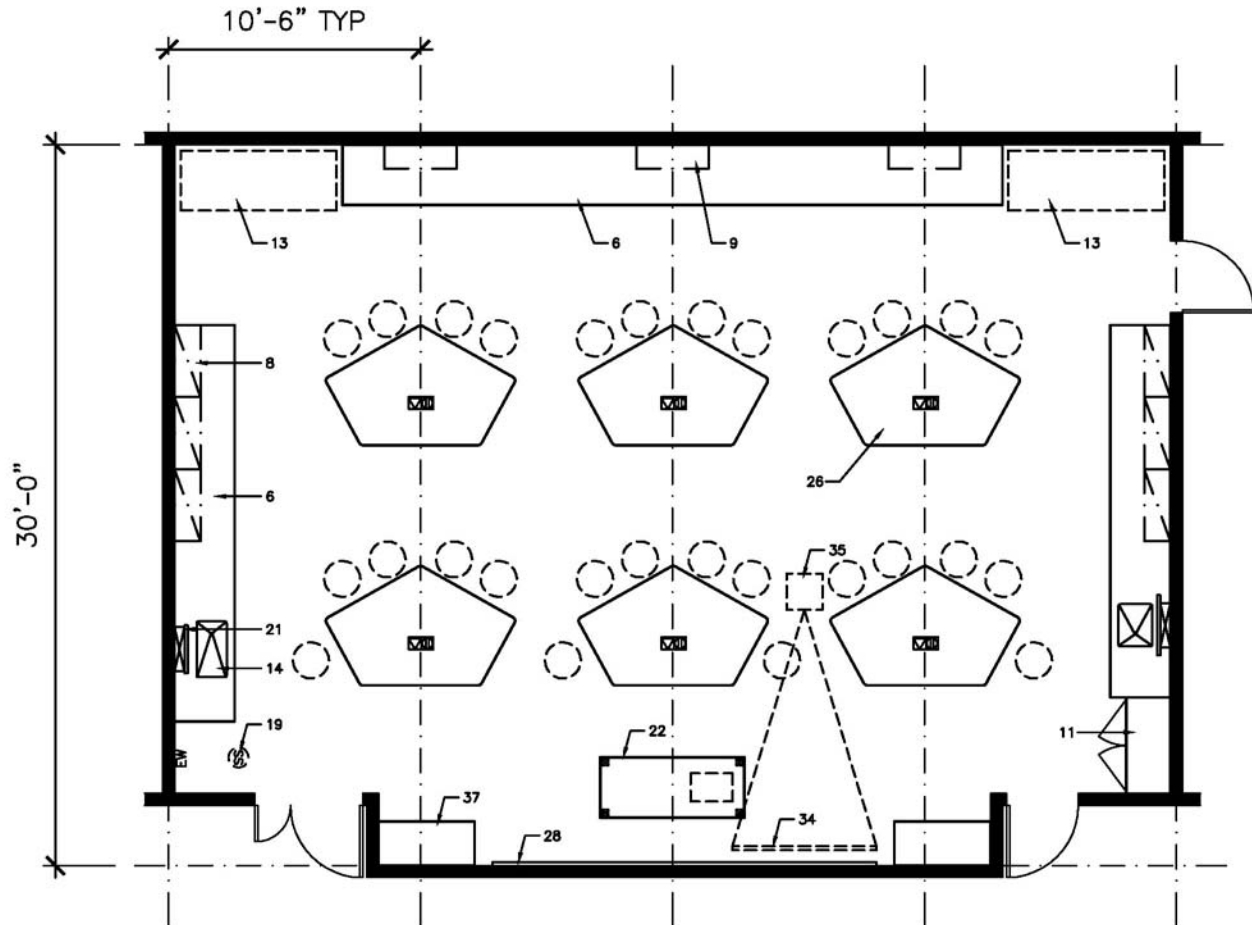
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL	EMERGENCY POWER	MOVABLE EQUIPMENT
Temperature	Emergency Power one	Movable Chairs ●
68°-75° ± 2°F ●	UPS (OFOI)	Task Chair(s) ●
Other	Phone ●	Movable Desks
Humidity	Data ●	Movable Laboratory Stations ●
Uncontrolled ●	In Use Light	Lounge Seating
Other	Task Lighting	Movable Table(s)
Minimum Air Changes/Hr. 4	Lighting Level	Recycling
Air Recirculation	100 fc at bench/desk ●	Bookshelves
Air Pressure Positive	75 fc at bench/desk	Refrigerator
Air Pressure Negative ●	Safe Light	Microwave
Additional Supply Air Filtration	Special Lighting	Coffemaker
Additional Exhaust Air Filtration	Darkenable	Copier/Scanner/Printer
	Zoned Lighting ●	
	Other	
HOODS	CHEMICALS	FIXED EQUIPMENT
Chemical Fume Hood	Bases	Bulletin Board ●
Radioisotope Hood	Acids	Marker Board ●
Horizontal Laminar Flow Hood	Solvents	Clock ●
Biological Safety Cabinet	Radioisotopes	Pencil Sharpener ●
Snorkel	Carcinogens/Regulated	Teaching Podium ●
Canopy Hood	Chemical Waste Storage	Laboratory Workstations
Low Slotted Exhaust	Biological Storage	Coat Hook(s) ●
Equipment Exhaust	Radioisotope Storage	
Other	Chemical Storage	
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive	Floor	
Light Sensitive	VCT (Chemical Resistant)	
Vibration Producing	VCT	
Heat Producing	Welded Seam Sheet Vinyl ●	
Noise Producing	Epoxy	
	Carpet	
	Sealed Concrete	
	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl ●	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint ●	
	Other	
	Ceiling	
	Open	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint	
	Height 9'-0" min.	
	Doors	
	3'-6" x 7'	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	
REMARKS		
1. (2) Sinks @ perimeter		

Appendix A: Room Data Sheets

Room ID No.: 3L.1-3
 Room Name: Introductory Biology
 Unit: Biology Department

Occupancy: 28
 Room Size: 1,280 ASF x 3

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3M.1-3

Occupancy: 24

Room Name: Anatomy/Physiology Laboratory

Room Size: 1,280 ASF x 3

Unit: Biology Department

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	<input checked="" type="checkbox"/>
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	<input checked="" type="checkbox"/>
Other	_____
Humidity	
Uncontrolled	<input checked="" type="checkbox"/>
Other	_____
Minimum Air Changes/Hr.	<u>12</u>
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	<input checked="" type="checkbox"/>
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	<input checked="" type="checkbox"/>
Laboratory Vacuum (LV)	<input checked="" type="checkbox"/>
Laboratory Air (LA)	<input checked="" type="checkbox"/>
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	<input checked="" type="checkbox"/>
Industrial Cold Water (ICW)	<input checked="" type="checkbox"/>
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	<input checked="" type="checkbox"/>
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	<u>1.</u>
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	<input checked="" type="checkbox"/>

ELECTRICAL

110V, 20A, 1 Phase	<input checked="" type="checkbox"/>
208V, 30A, 1 Phase	<u>one</u>
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	<u>1.</u>
Emergency Power	<u>one</u>
UPS (OFOI)	_____
Phone	<input checked="" type="checkbox"/>
Data	<input checked="" type="checkbox"/>
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	<input checked="" type="checkbox"/>
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	<input checked="" type="checkbox"/>
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	<input checked="" type="checkbox"/>
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	<input checked="" type="checkbox"/>
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	<input checked="" type="checkbox"/>
Other	_____
Ceiling	
Open	_____
Acoustical Tile	<input checked="" type="checkbox"/>
Gyp Board, Epoxy Paint	_____
Height	<u>9'-0" min.</u>
Doors	
3'-6" x 7'	_____
3'-0" x 7'	<input checked="" type="checkbox"/>
1'-6" x 7'	<input checked="" type="checkbox"/>
Light Tight Rotating Door	_____
Vision Panel	_____
Natural Daylight	_____

TECHNOLOGY

Computer	<input checked="" type="checkbox"/>
DVD or Bluray Player	<input checked="" type="checkbox"/>
Document Camera	<input checked="" type="checkbox"/>
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	<input checked="" type="checkbox"/>
Projection Screen(s)	<input checked="" type="checkbox"/>
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	<input checked="" type="checkbox"/>
Task Chair(s)	<input checked="" type="checkbox"/>
Movable Desks	_____
Movable Laboratory Stations	<input checked="" type="checkbox"/>
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	<input checked="" type="checkbox"/>
Marker Board	<input checked="" type="checkbox"/>
Clock	<input checked="" type="checkbox"/>
Pencil Sharpener	<input checked="" type="checkbox"/>
Teaching Podium	<input checked="" type="checkbox"/>
Laboratory Workstations	_____
Coat Hook(s)	<input checked="" type="checkbox"/>

ROOM DESCRIPTION

REMARKS

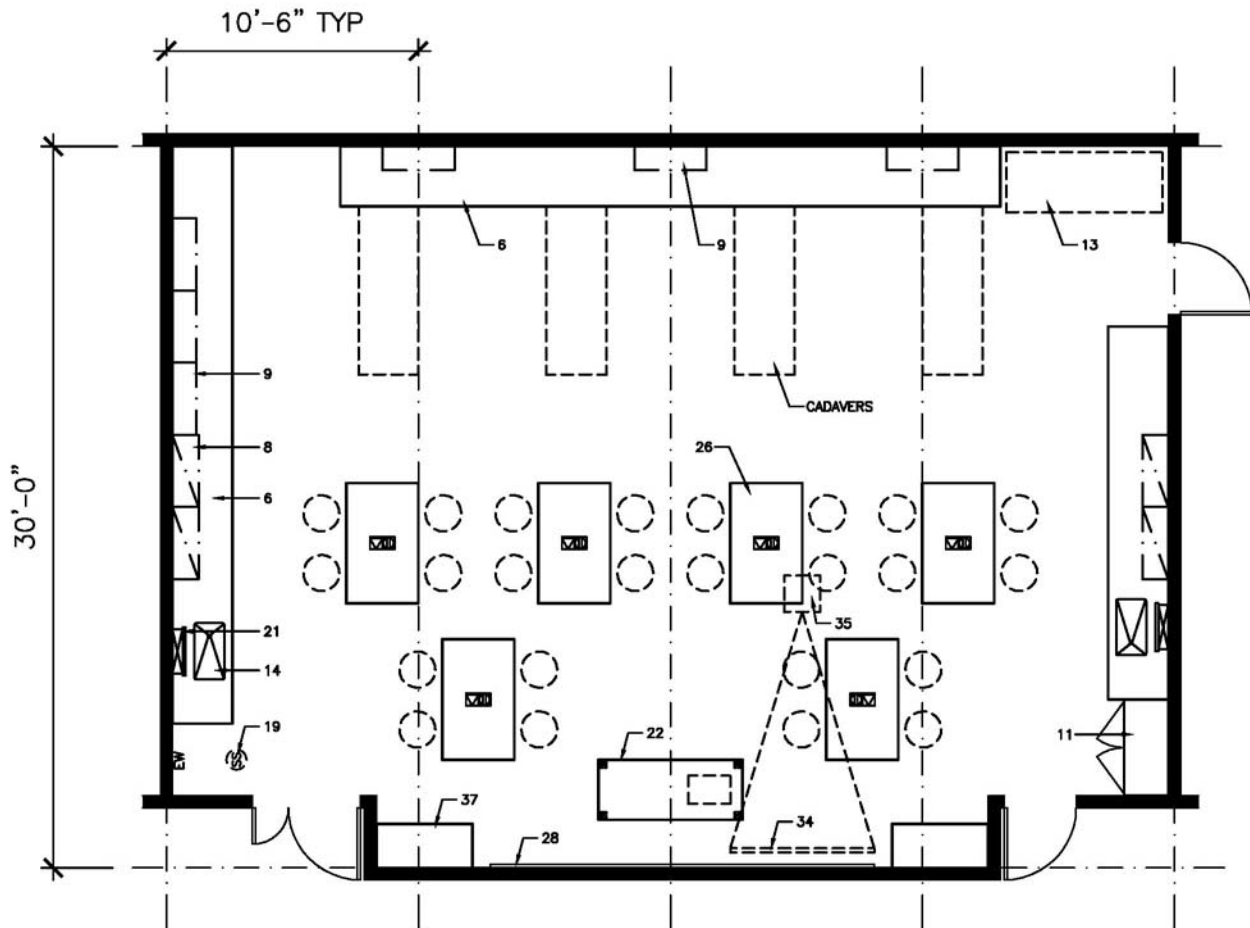
1. Air cyl & iso grd @ air table
2. (2) Large sinks @ perimeter
3. Space for 4 cadavers in the room

Appendix A: Room Data Sheets

Room ID No.: 3M.1-3
 Room Name: Anatomy/Physiology
 Unit: Biology Department

Occupancy: 24
 Room Size: 1,280 ASF x 3

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3N
 Room Name: Aquatics Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day ● _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F ● _____
 Other _____
 Humidity
 Uncontrolled ● _____
 Other _____
 Minimum Air Changes/Hr. 4 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative ● _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) ● _____
 Laboratory Vacuum (LV) ● _____
 Laboratory Air (LA) ● _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) ● _____
 Industrial Cold Water (ICW) ● _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) ● _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert ● _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) 2. _____
 Safety Shower/Eyewash (SS) ● _____
 Drench Hose (DH) ● _____

ELECTRICAL

110V, 20A, 1 Phase ● _____
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk ● _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting ● _____
 Other _____

CHEMICALS

Bases _____
 Acids ● _____
 Solvents ● _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage ● _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl ● _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' ● _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player ● _____
 Document Camera ● _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector ● _____
 Projection Screen(s) ● _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) ● _____
 Movable Desks _____
 Movable Laboratory Stations ● _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board ● _____
 Marker Board ● _____
 Clock ● _____
 Pencil Sharpener ● _____
 Teaching Podium ● _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

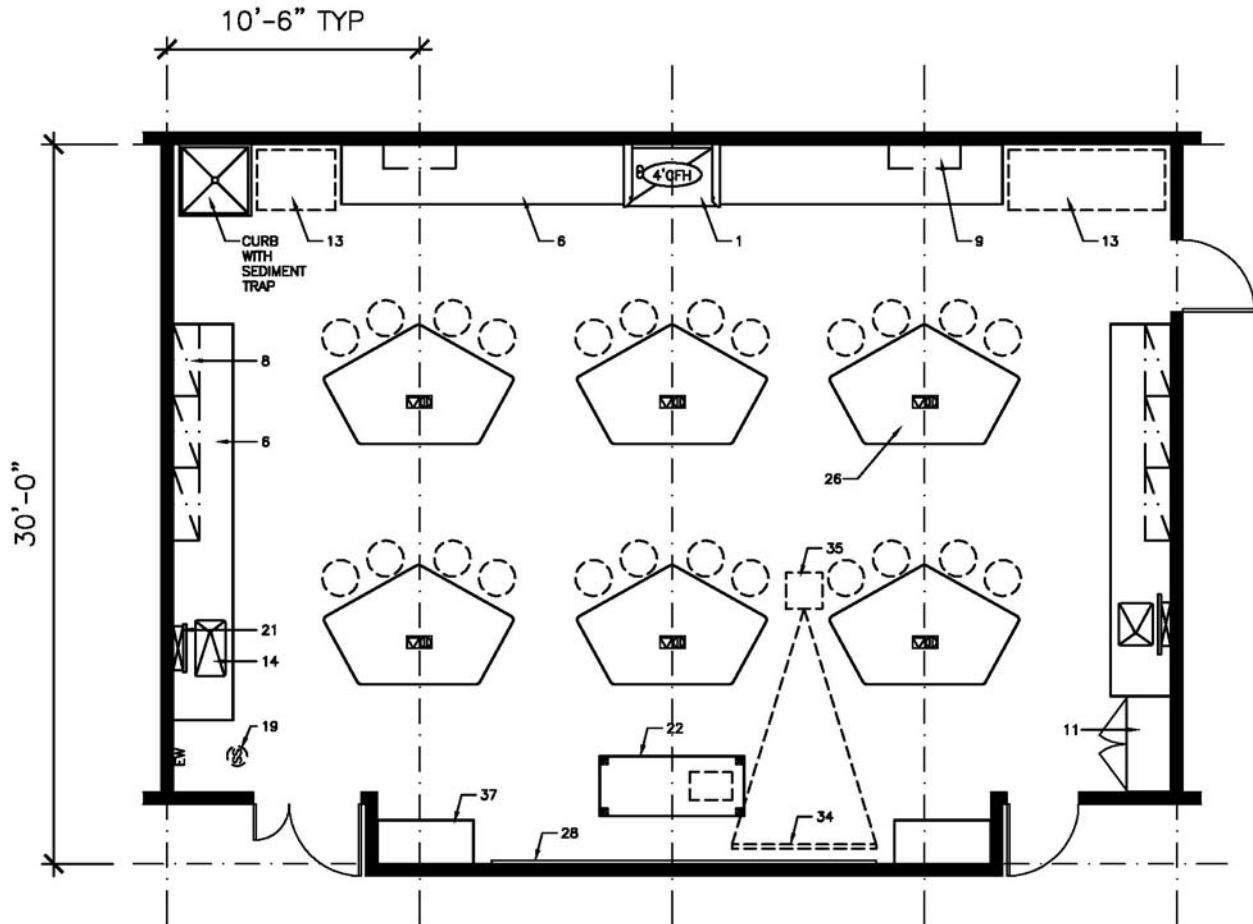
- A. 4' CFH @ 500cfm
- 1. (1) Large sink & (1) normal @ perimeter
- 2. (1) Floor curb w/ sed trap @ wall

Appendix A: Room Data Sheets

Room ID No.: 3N
 Room Name: Aquatics Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 30
 Room Name: Animal/Organizational Laboratory
 Unit: Biology Department

Occupancy: 24
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____●_____
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	_____●_____
Other	_____
Humidity	
Uncontrolled	_____●_____
Other	_____
Minimum Air Changes/Hr.	_____4_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____●_____
Laboratory Vacuum (LV)	_____●_____
Laboratory Air (LA)	_____●_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____●_____
Industrial Cold Water (ICW)	_____●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____●_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____●_____

ELECTRICAL

110V, 20A, 1 Phase	_____●_____
208V, 30A, 1 Phase	_____one_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____one_____
UPS (OFOI)	_____
Phone	_____●_____
Data	_____●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	_____●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____●_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	_____●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	_____●_____
Gyp Board, Epoxy Paint	_____
Height	_____9'-0" min._____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	_____●_____
1'-6" x 7'	_____●_____
Light Tight Rotating Door	_____
Vision Panel	_____●_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____●_____
DVD or Bluray Player	_____●_____
Document Camera	_____●_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____●_____
Projection Screen(s)	_____●_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____●_____
Task Chair(s)	_____●_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____●_____
Marker Board	_____●_____
Clock	_____●_____
Pencil Sharpener	_____●_____
Teaching Podium	_____●_____
Laboratory Workstations	_____●_____
Coat Hook(s)	_____●_____

ROOM DESCRIPTION

REMARKS

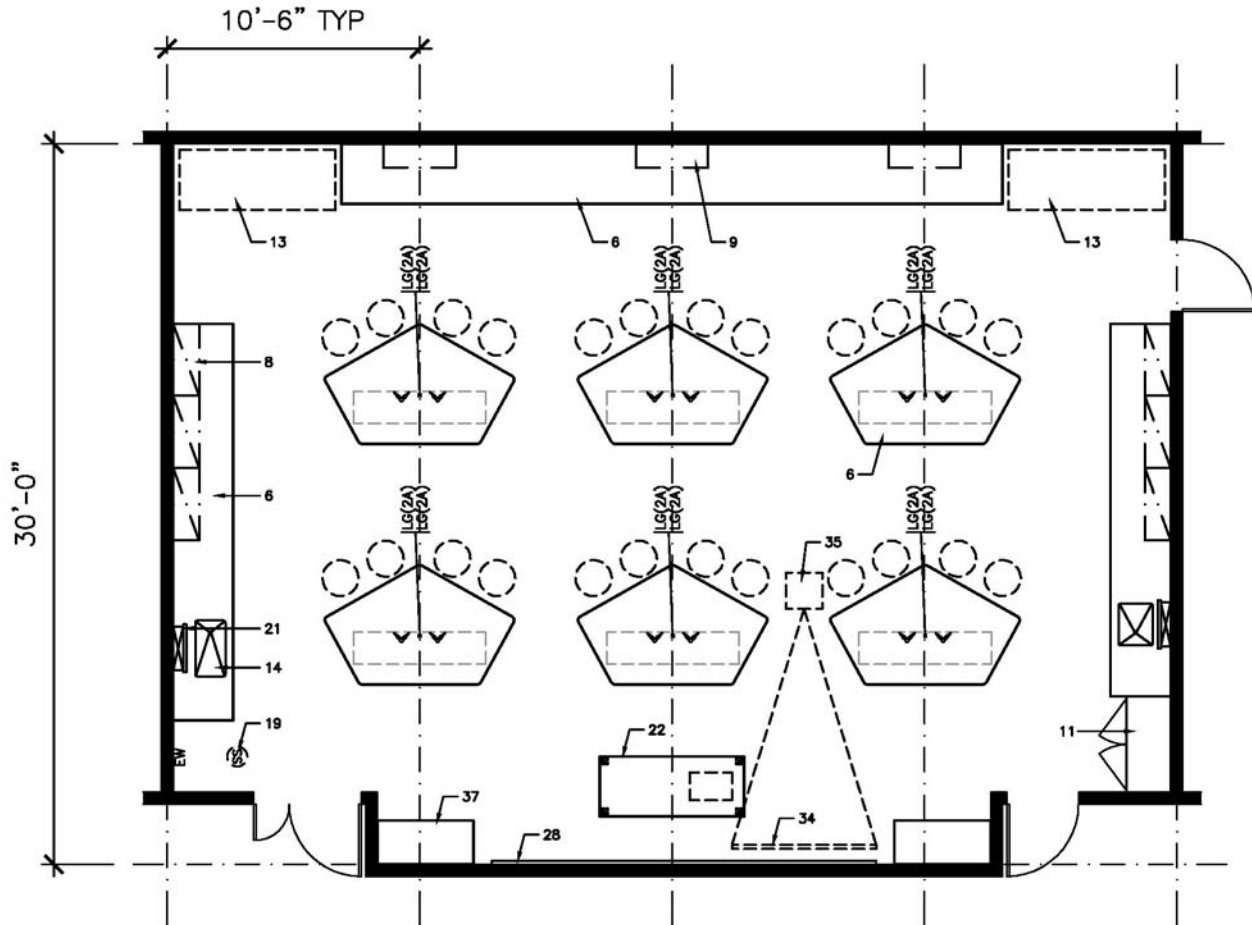
- (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 30
 Room Name: Animal/Organizational Laboratory
 Unit: Biology Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3P
 Room Name: Botany Laboratory
 Unit: Biology Department

Occupancy: 24
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	●_____
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●_____
Other	_____
Humidity	
Uncontrolled	●_____
Other	_____
Minimum Air Changes/Hr.	4_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	A_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●_____
Laboratory Vacuum (LV)	●_____
Laboratory Air (LA)	●_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●_____
Industrial Cold Water (ICW)	●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	●_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	●_____
Drench Hose (DH)	●_____

ELECTRICAL

110V, 20A, 1 Phase	●_____
208V, 30A, 1 Phase	one_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	one_____
UPS (OFOI)	_____
Phone	●_____
Data	●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	●_____
Other	_____

CHEMICALS

Bases	_____
Acids	●_____
Solvents	●_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	●_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●_____
Gyp Board, Epoxy Paint	_____
Height	9'-0" min. _____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●_____
1'-6" x 7'	●_____
Light Tight Rotating Door	_____
Vision Panel	●_____
Natural Daylight	_____

TECHNOLOGY

Computer	●_____
DVD or Bluray Player	●_____
Document Camera	●_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	●_____
Projection Screen(s)	●_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	●_____
Task Chair(s)	●_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	●_____
Marker Board	●_____
Clock	●_____
Pencil Sharpener	●_____
Teaching Podium	●_____
Laboratory Workstations	●_____
Coat Hook(s)	●_____

ROOM DESCRIPTION

REMARKS

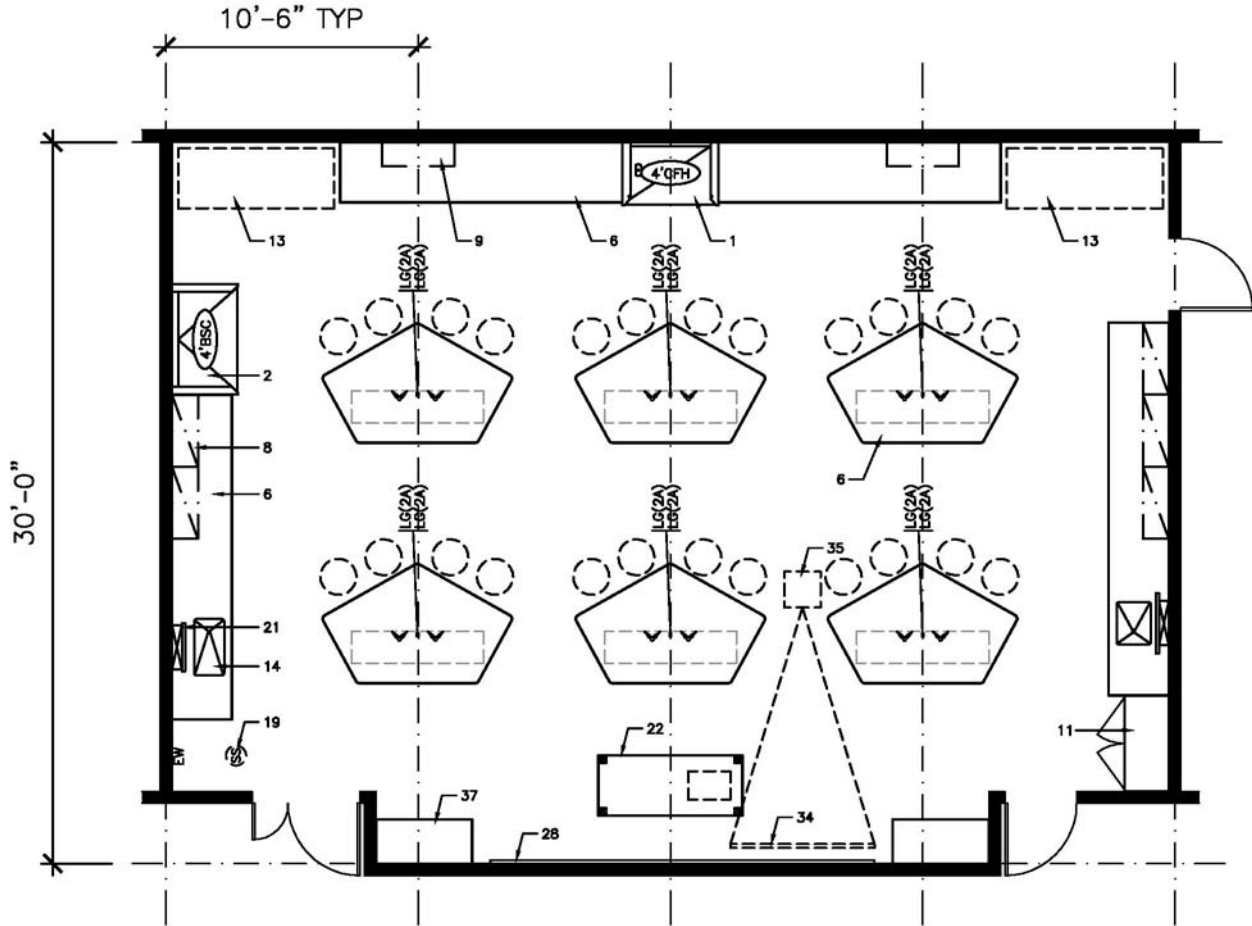
- A. 4' CFH @ 500cfm, 4' BSC recircu.
- 1. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3P
 Room Name: Botany Laboratory
 Unit: Biology Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3Q
 Room Name: Cell Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	●_____
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●_____
Other	_____
Humidity	
Uncontrolled	●_____
Other	_____
Minimum Air Changes/Hr.	4_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●_____
Laboratory Vacuum (LV)	●_____
Laboratory Air (LA)	●_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●_____
Industrial Cold Water (ICW)	●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	●_____
Drench Hose (DH)	●_____

ELECTRICAL

110V, 20A, 1 Phase	●_____
208V, 30A, 1 Phase	one_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	one_____
UPS (OFOI)	_____
Phone	_____
Data	●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	●_____
Other	_____

CHEMICALS

Bases	_____
Acids	●_____
Solvents	●_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	●_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●_____
Gyp Board, Epoxy Paint	_____
Height	9'-0" min. _____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●_____
1'-6" x 7'	●_____
Light Tight Rotating Door	_____
Vision Panel	●_____
Natural Daylight	_____

TECHNOLOGY

Computer	●_____
DVD or Bluray Player	●_____
Document Camera	●_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	●_____
Projection Screen(s)	●_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	●_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	●_____
Marker Board	●_____
Clock	●_____
Pencil Sharpener	●_____
Teaching Podium	●_____
Laboratory Workstations	●_____
Coat Hook(s)	●_____

ROOM DESCRIPTION

REMARKS

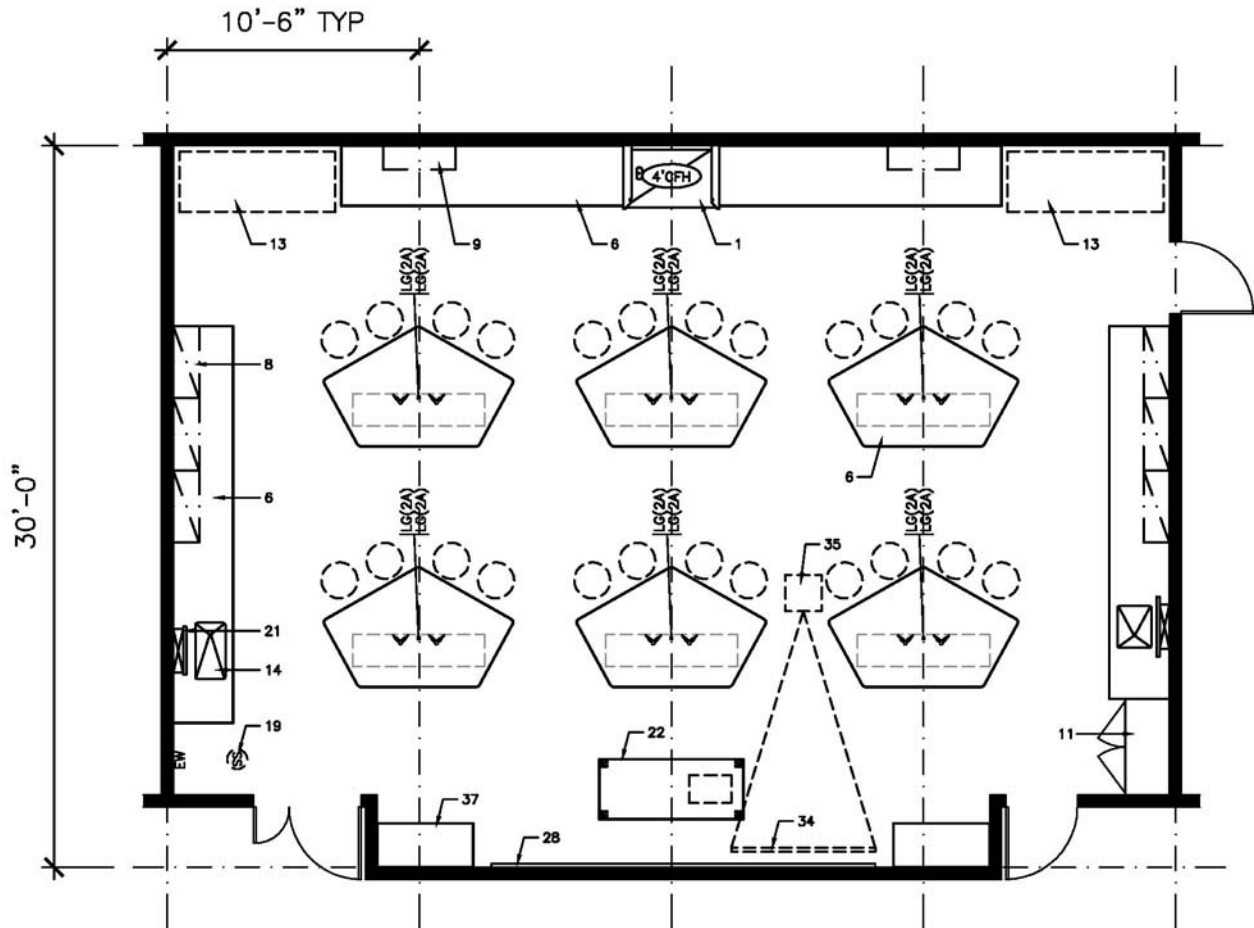
- A. 4' CFH @ 500cfm
- 1. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3Q
 Room Name: Cell Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3R
 Room Name: Genetics Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet B.
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer
 DVD or Bluray Player
 Document Camera
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector
 Projection Screen(s)
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board
 Clock
 Pencil Sharpener
 Teaching Podium
 Laboratory Workstations
 Coat Hook(s)

ROOM DESCRIPTION

REMARKS

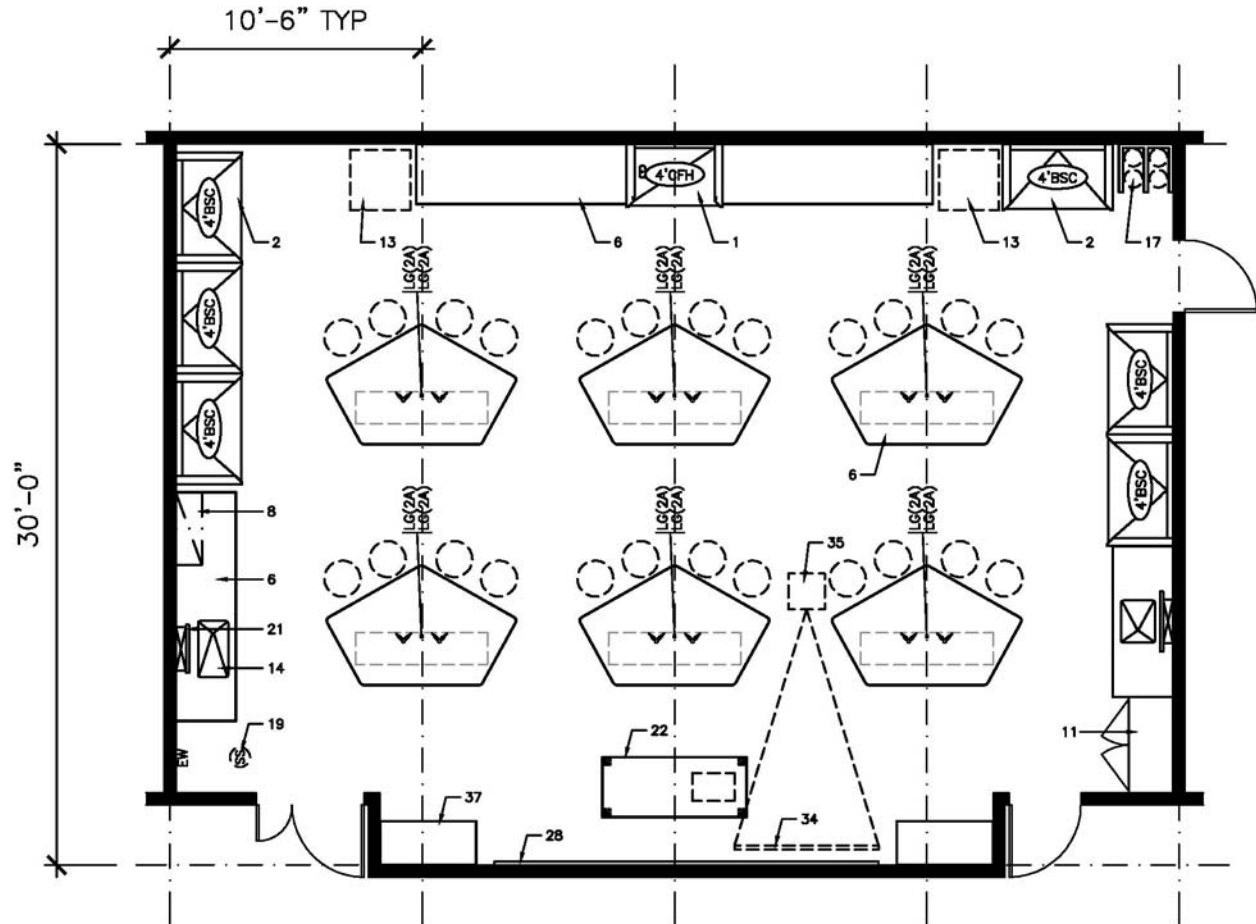
- A. 4' CFH @ 500 cfm
- B. (6) 4' BSC's
- 1. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3R
 Room Name: Genetics Laboratory
 Unit: Biology Department

Occupancy: 20
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 3S1
 Room Name: Anatomy/Physiology Prep & Cadaver Stor.
 Unit: Biology Department

Occupancy:
 Room Size: 1,280 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ● _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
MECHANICAL	Isolated Ground Outlet _____	Touch-Screen Controls _____
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F A. _____	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ● _____	Projection Screen(s) _____
Uncontrolled ● _____	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 15 _____	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ● _____	MOVABLE EQUIPMENT
Air Pressure Negative ● _____	Safe Light _____	Movable Chairs ● _____
Additional Supply Air Filtration _____	Special Lighting _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Darkenable _____	Movable Desks _____
HOODS	Zoned Lighting ● _____	Movable Laboratory Stations _____
Chemical Fume Hood B. _____	Other _____	Lounge Seating _____
Radioisotope Hood _____	CHEMICALS	Movable Table(s) _____
Horizontal Laminar Flow Hood _____	Bases _____	Recycling _____
Biological Safety Cabinet _____	Acids ● _____	Bookshelves _____
Snorkel _____	Solvents ● _____	Refrigerator _____
Canopy Hood _____	Radioisotopes _____	Microwave _____
Low Slotted Exhaust _____	Carcinogens/Regulated _____	Coffeemaker _____
Equipment Exhaust _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Other _____	Biological Storage ● _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	Radioisotope Storage _____	Bulletin Board ● _____
Vibration Sensitive _____	Chemical Storage _____	Marker Board _____
Light Sensitive _____	ARCHITECTURAL	Clock _____
Vibration Producing _____	Floor _____	Pencil Sharpener _____
Heat Producing _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Noise Producing _____	VCT _____	Laboratory Workstations ● _____
PLUMBING	Welded Seam Sheet Vinyl ● _____	Coat Hook(s) _____
Laboratory Gas (LG) ● _____	Epoxy _____	ROOM DESCRIPTION
Laboratory Vacuum (LV) ● _____	Carpet _____	
Laboratory Air (LA) ● _____	Sealed Concrete _____	
Compressed Air, 100 psi (A) _____	Terrazzo _____	
Industrial Hot Water (IHW) ● _____	Tile _____	
Industrial Cold Water (ICW) ● _____	Other _____	
Potable Hot Water (HW) _____	Base _____	
Potable Cold Water (CW) _____	4" Vinyl ● _____	
Purified Water (PW) ● _____	Carpet _____	
Chilled Water (CHW S/R) _____	Integral w/floor _____	
Steam _____	Terrazzo _____	
Condensate Return _____	Tile _____	
Carbon Dioxide (CO ₂) _____	Other _____	
Nitrogen Gas (N ₂) _____	Partitions _____	
Cylinder Gases _____	Gyp Board, Epoxy Paint _____	
Inert _____	Gyp Board, Paint ● _____	REMARKS
Flammable _____	Other _____	A. 72+/- 2 in Prep, 60 degrees in
Toxic _____	Ceiling _____	Cadaver Stiorage
Floor Drain (FD) _____	Open _____	B. 4' CFH @ 500 cfm
Floor Sink (FS) _____	Acoustical Tile ● _____	1. (2) Sinks @ perimeter
Safety Shower/Eyewash (SS) ● _____	Gyp Board, Epoxy Paint _____	2. Space to incorporate a separate
Drench Hose (DH) ● _____	Height 9'-0" min. _____	cooled room to store 12 cadavers.
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ● _____	
	1'-6" x 7' ● _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 3S2.1-2
 Room Name: Intro. Biology/Aquatics Prep/Storage
 Unit: Biology Department

Occupancy:
 Room Size: 320 ASF x 2

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 4	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) ●
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood _____	Bases _____	Recycling _____
Radioisotope Hood _____	Acids _____	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents _____	Refrigerator _____
Biological Safety Cabinet _____	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing _____	Welded Seam Sheet Vinyl ●	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl ●	
Industrial Hot Water (IHW) _____	Carpet _____	
Industrial Cold Water (ICW) ●	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint ●	
Carbon Dioxide (CO ₂) _____	Other _____	
Nitrogen Gas (N ₂) _____	Ceiling _____	
Cylinder Gases _____	Open _____	
Inert _____	Acoustical Tile ●	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height 9'-0" min.	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) _____	3'-0" x 7' ●	
Drench Hose (DH) ●	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		1. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3S3
 Room Name: Animal/Organizimal/Botany Prep/Storage
 Unit: Biology Department
 Occupancy: _____
 Room Size: 640 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	●
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	_____
Humidity	
Uncontrolled	●
Other	_____
Minimum Air Changes/Hr.	4
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	one
UPS (OFOI)	_____
Phone	_____
Data	●
In Use Light	_____
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	_____
75 fc at bench/desk	●
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●
Gyp Board, Epoxy Paint	_____
Height	9'-0" min.
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	_____
Vision Panel	_____
Natural Daylight	●

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	●
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	●
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3S4
 Room Name: Cell Genetics Prep/Autoclave
 Unit: Biology Department

Occupancy:
 Room Size: 960 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase two	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) ●
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood A.	Bases _____	Recycling _____
Radioisotope Hood _____	Acids ●	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents ●	Refrigerator _____
Biological Safety Cabinet _____	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Skirt @ Autoclave ●	Chemical Waste Storage ●	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing ●	Welded Seam Sheet Vinyl ●	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl ●	
Industrial Hot Water (IHW) ●	Carpet _____	
Industrial Cold Water (ICW) ●	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint ●	REMARKS
Carbon Dioxide (CO ₂) _____	Other _____	A. 4' CFH @ 500 cfm
Nitrogen Gas (N ₂) _____	Ceiling _____	B. At Autoclave Room
Cylinder Gases _____	Open _____	1. (2) Sinks @ perimeter
Inert ●	Acoustical Tile ●	2. Space to incorporate a separated
Flammable _____	Gyp Board, Epoxy Paint B.	room for a 20"x20"x38" autoclave
Toxic _____	Height 9'-0" min.	and scullery sink.
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) ●	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) ●	3'-0" x 7' ●	
Drench Hose (DH) ●	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 3S5
 Room Name: Core Microscope Suite
 Unit: Biology Department

Occupancy:
 Room Size: 960 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk ●	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable ●	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood A.	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids ●	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents ●	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage ●	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
LABORATORY EQUIPMENT	ARCHITECTURAL	Marker Board _____
Vibration Sensitive ●	Floor _____	Clock _____
Light Sensitive ●	VCT (Chemical Resistant) _____	Pencil Sharpener _____
Vibration Producing _____	VCT _____	Teaching Podium _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Laboratory Workstations ●
Noise Producing _____	Epoxy _____	Coat Hook(s) _____
PLUMBING	Carpet _____	ROOM DESCRIPTION
Laboratory Gas (LG) ●	Sealed Concrete _____	
Laboratory Vacuum (LV) ●	Terrazzo _____	
Laboratory Air (LA) ●	Tile _____	
Compressed Air, 100 psi (A) _____	Other _____	
Industrial Hot Water (IHW) ●	Base _____	
Industrial Cold Water (ICW) ●	4" Vinyl ●	
Potable Hot Water (HW) _____	Carpet _____	
Potable Cold Water (CW) _____	Integral w/floor _____	
Purified Water (PW) ●	Terrazzo _____	
Chilled Water (CHW S/R) _____	Tile _____	
Steam _____	Other _____	
Condensate Return _____	Partitions _____	
Carbon Dioxide (CO ₂) ●	Gyp Board, Epoxy Paint _____	REMARKS
Nitrogen Gas (N ₂) _____	Gyp Board, Paint ●	A. 4' CFH @ 500cfm
Cylinder Gases _____	Other _____	1. (1) Sink
Inert _____	Ceiling _____	
Flammable _____	Open _____	
Toxic _____	Acoustical Tile ●	
Floor Drain (FD) _____	Gyp Board, Epoxy Paint _____	
Floor Sink (FS) _____	Height 9'-0" min.	
Safety Shower/Eyewash (SS) ●	Doors _____	
Drench Hose (DH) ●	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 3S6
 Room Name: PCR Suite
 Unit: Biology Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3S7
 Room Name: Cold Room
 Unit: Biology Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other +4C _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. A. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD)
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other fab
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other fab
 Ceiling
 Open fab
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height 8'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 50 cfm exhaust
- 1. (1) Sink
- 2. Distillation rack

Appendix A: Room Data Sheets

Room ID No.: 3T
 Room Name: Biology Special Projects Laboratory
 Unit: Biology Department

Occupancy: 10
 Room Size: 480 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk ●	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk _____	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) _____
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood _____	Bases _____	Recycling _____
Radioisotope Hood _____	Acids ●	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents ●	Refrigerator _____
Biological Safety Cabinet A.	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage ●	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	FIXED EQUIPMENT
Equipment Exhaust _____	Radioisotope Storage _____	Bulletin Board ●
Other _____	Chemical Storage _____	Marker Board ●
		Clock _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Pencil Sharpener _____
Vibration Sensitive _____	Floor _____	Teaching Podium _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Laboratory Workstations ●
Vibration Producing _____	VCT _____	Coat Hook(s) _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	
Noise Producing _____	Epoxy _____	ROOM DESCRIPTION
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	REMARKS
	Other _____	A. (2) 4' BSC's recirculating
	Ceiling _____	1. (1) Sink
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min.	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 3U.1-7 Occupancy: 3
 Room Name: Faculty/Student Research (large paired lab) Room Size: 1,440 ASF x 7
 Unit: Biology Department

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	●_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●_____
Other	_____
Humidity	
Uncontrolled	●_____
Other	_____
Minimum Air Changes/Hr.	4 _____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A. _____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	B. _____
Biological Safety Cabinet	C. _____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●_____
Laboratory Vacuum (LV)	●_____
Laboratory Air (LA)	●_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●_____
Industrial Cold Water (ICW)	●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	●_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	●_____
Drench Hose (DH)	●_____

ELECTRICAL

110V, 20A, 1 Phase	●_____
208V, 30A, 1 Phase	●_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	●_____
UPS (OFOI)	_____
Phone	_____
Data	●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	●_____
Other	_____

CHEMICALS

Bases	_____
Acids	●_____
Solvents	●_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	●_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●_____
Gyp Board, Epoxy Paint	_____
Height	9'-0" min. _____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●_____
1'-6" x 7'	●_____
Light Tight Rotating Door	_____
Vision Panel	●_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	_____
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- A. (3) 4' CFH's @ 500 cfm each
- B. Space for 6' LFH recirculating
- C. Space for (3) 4' BSC's recir
- 1. 7 AC/H – Max
- 2. (6) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 3V.1-3
 Room Name: Faculty/Student Research (paired lab)
 Unit: Biology Department

Occupancy: 2
 Room Size: 640 ASF x 3

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day <input type="checkbox"/>	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input checked="" type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
MECHANICAL		
Temperature	Emergency Power <input type="checkbox"/>	Lighting <input type="checkbox"/>
68°-75° ± 2°F <input type="checkbox"/>	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
Other <input type="checkbox"/>	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
Humidity	Data <input checked="" type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
Uncontrolled <input type="checkbox"/>	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
Other <input type="checkbox"/>	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/>	Lighting Level	Digital Signage <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	100 fc at bench/desk <input checked="" type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
Air Pressure Positive <input type="checkbox"/>	75 fc at bench/desk <input type="checkbox"/>	
Air Pressure Negative <input type="checkbox"/>	Safe Light <input type="checkbox"/>	
Additional Supply Air Filtration <input type="checkbox"/>	Special Lighting <input type="checkbox"/>	
Additional Exhaust Air Filtration <input type="checkbox"/>	Darkenable <input type="checkbox"/>	
HOODS		
Chemical Fume Hood <input type="checkbox"/> A.	Zoned Lighting <input checked="" type="checkbox"/>	
Radioisotope Hood <input type="checkbox"/>	Other <input type="checkbox"/>	
Horizontal Laminar Flow Hood <input type="checkbox"/>		
Biological Safety Cabinet <input type="checkbox"/> B.		
Snorkel <input type="checkbox"/>		
Canopy Hood <input type="checkbox"/>		
Low Slotted Exhaust <input type="checkbox"/>		
Equipment Exhaust <input type="checkbox"/>		
Other <input type="checkbox"/>		
LABORATORY EQUIPMENT		
Vibration Sensitive <input type="checkbox"/>		
Light Sensitive <input type="checkbox"/>		
Vibration Producing <input type="checkbox"/>		
Heat Producing <input type="checkbox"/>		
Noise Producing <input type="checkbox"/>		
PLUMBING		
Laboratory Gas (LG) <input checked="" type="checkbox"/>		
Laboratory Vacuum (LV) <input checked="" type="checkbox"/>		
Laboratory Air (LA) <input checked="" type="checkbox"/>		
Compressed Air, 100 psi (A) <input type="checkbox"/>		
Industrial Hot Water (IHW) <input checked="" type="checkbox"/>		
Industrial Cold Water (ICW) <input checked="" type="checkbox"/>		
Potable Hot Water (HW) <input type="checkbox"/>		
Potable Cold Water (CW) <input type="checkbox"/>		
Purified Water (PW) <input checked="" type="checkbox"/>		
Chilled Water (CHW S/R) <input type="checkbox"/>		
Steam <input type="checkbox"/>		
Condensate Return <input type="checkbox"/>		
Carbon Dioxide (CO ₂) <input type="checkbox"/>		
Nitrogen Gas (N ₂) <input type="checkbox"/>		
Cylinder Gases		
Inert <input checked="" type="checkbox"/>		
Flammable <input type="checkbox"/>		
Toxic <input type="checkbox"/>		
Floor Drain (FD) <input type="checkbox"/>		
Floor Sink (FS) <input type="checkbox"/>		
Safety Shower/Eyewash (SS) <input checked="" type="checkbox"/>		
Drench Hose (DH) <input checked="" type="checkbox"/>		
CHEMICALS		
Bases <input type="checkbox"/>		
Acids <input checked="" type="checkbox"/>		
Solvents <input checked="" type="checkbox"/>		
Radioisotopes <input type="checkbox"/>		
Carcinogens/Regulated <input type="checkbox"/>		
Chemical Waste Storage <input type="checkbox"/>		
Biological Storage <input type="checkbox"/>		
Radioisotope Storage <input type="checkbox"/>		
Chemical Storage <input checked="" type="checkbox"/>		
ARCHITECTURAL		
Floor		
VCT (Chemical Resistant) <input type="checkbox"/>		
VCT <input type="checkbox"/>		
Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>		
Epoxy <input type="checkbox"/>		
Carpet <input type="checkbox"/>		
Sealed Concrete <input type="checkbox"/>		
Terrazzo <input type="checkbox"/>		
Tile <input type="checkbox"/>		
Other <input type="checkbox"/>		
Base		
4" Vinyl <input checked="" type="checkbox"/>		
Carpet <input type="checkbox"/>		
Integral w/floor <input type="checkbox"/>		
Terrazzo <input type="checkbox"/>		
Tile <input type="checkbox"/>		
Other <input type="checkbox"/>		
Partitions		
Gyp Board, Epoxy Paint <input type="checkbox"/>		
Gyp Board, Paint <input checked="" type="checkbox"/>		
Other <input type="checkbox"/>		
Ceiling		
Open <input type="checkbox"/>		
Acoustical Tile <input checked="" type="checkbox"/>		
Gyp Board, Epoxy Paint <input type="checkbox"/>		
Height <input type="checkbox"/> 9'-0" min.		
Doors		
3'-6" x 7' <input type="checkbox"/>		
3'-0" x 7' <input checked="" type="checkbox"/>		
1'-6" x 7' <input checked="" type="checkbox"/>		
Light Tight Rotating Door <input type="checkbox"/>		
Vision Panel <input checked="" type="checkbox"/>		
Natural Daylight <input type="checkbox"/>		
MOVABLE EQUIPMENT		
Movable Chairs <input type="checkbox"/>		
Task Chair(s) <input type="checkbox"/>		
Movable Desks <input type="checkbox"/>		
Movable Laboratory Stations <input type="checkbox"/>		
Lounge Seating <input type="checkbox"/>		
Movable Table(s) <input type="checkbox"/>		
Recycling <input type="checkbox"/>		
Bookshelves <input type="checkbox"/>		
Refrigerator <input type="checkbox"/>		
Microwave <input type="checkbox"/>		
Coffeemaker <input type="checkbox"/>		
Copier/Scanner/Printer <input type="checkbox"/>		
FIXED EQUIPMENT		
Bulletin Board <input type="checkbox"/>		
Marker Board <input type="checkbox"/>		
Clock <input type="checkbox"/>		
Pencil Sharpener <input type="checkbox"/>		
Teaching Podium <input type="checkbox"/>		
Laboratory Workstations <input type="checkbox"/>		
Coat Hook(s) <input type="checkbox"/>		
ROOM DESCRIPTION		
REMARKS		
A.	4' CFH @ 500 cfm	
B.	(2) BSC's recirculating	
1.	(4) Sinks @ perimeter	

Appendix A: Room Data Sheets

Room ID No.: 3W
 Room Name: Environmental Sample Processing Room
 Unit: Biology Department
 Occupancy:
 Room Size: 1,280 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	_____
8 hours/day	_____	208V, 30A, 1 Phase	one	DVD or Bluray Player	_____
14 hours/day	●	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
		Emergency Power	one	Lighting	_____
		UPS (OFOI)	_____	Audio/Visual	_____
		Phone	_____	Overhead Projector	_____
		Data	●	Projection Screen(s)	_____
		In Use Light	_____	Lecture Capture	_____
		Task Lighting	_____	Flat Panel Monitor	_____
		Lighting Level	_____	Digital Signage	_____
		100 fc at bench/desk	●	SMART Board Technology	_____
		75 fc at bench/desk	_____		
		Safe Light	_____		
		Special Lighting	_____		
		Darkenable	_____		
		Zoned Lighting	●		
		Other	_____		

MECHANICAL		CHEMICALS		MOVABLE EQUIPMENT	
Temperature		Bases	_____	Movable Chairs	_____
68°-75° ± 2°F	●	Acids	_____	Task Chair(s)	_____
Other	_____	Solvents	_____	Movable Desks	_____
Humidity		Radioisotopes	_____	Movable Laboratory Stations	_____
Uncontrolled	●	Carcinogens/Regulated	_____	Lounge Seating	_____
Other	_____	Chemical Waste Storage	_____	Movable Table(s)	_____
Minimum Air Changes/Hr.	4	Biological Storage	_____	Recycling	_____
Air Recirculation	_____	Radioisotope Storage	_____	Bookshelves	_____
Air Pressure Positive	_____	Chemical Storage	_____	Refrigerator	_____
Air Pressure Negative	●			Microwave	_____
Additional Supply Air Filtration	_____			Coffeemaker	_____
Additional Exhaust Air Filtration	_____			Copier/Scanner/Printer	_____
HOODS		ARCHITECTURAL		FIXED EQUIPMENT	
Chemical Fume Hood	_____	Floor	_____	Bulletin Board	_____
Radioisotope Hood	_____	VCT (Chemical Resistant)	_____	Marker Board	_____
Horizontal Laminar Flow Hood	_____	VCT	_____	Clock	_____
Biological Safety Cabinet	_____	Welded Seam Sheet Vinyl	_____	Pencil Sharpener	_____
Snorkel	_____	Epoxy	_____	Teaching Podium	_____
Canopy Hood	_____	Carpet	_____	Laboratory Workstations	_____
Low Slotted Exhaust	_____	Sealed Concrete	●	Coat Hook(s)	_____
Equipment Exhaust	_____	Terrazzo	_____		
Other	_____	Tile	_____		
		Other	_____		
		Base	_____		
		4" Vinyl	●		
		Carpet	_____		
		Integral w/floor	_____		
		Terrazzo	_____		
		Tile	_____		
		Other	_____		
		Partitions	_____		
		Gyp Board, Epoxy Paint	_____		
		Gyp Board, Paint	●		
		Other	_____		
		Ceiling	_____		
		Open	_____		
		Acoustical Tile	●		
		Gyp Board, Epoxy Paint	_____		
		Height	9'-0" min.		
		Doors	_____		
		3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	●		
		Light Tight Rotating Door	_____		
		Vision Panel	●		
		Natural Daylight	_____		

LABORATORY EQUIPMENT				ROOM DESCRIPTION	
Vibration Sensitive	_____				
Light Sensitive	_____				
Vibration Producing	_____				
Heat Producing	_____				
Noise Producing	_____				
PLUMBING				REMARKS	
Laboratory Gas (LG)	_____			A.	(2) floor sinks w/ sediment traps
Laboratory Vacuum (LV)	_____			1.	Perimeter benches w/ dissecting scopes
Laboratory Air (LA)	_____			2.	Moveable center tables
Compressed Air, 100 psi (A)	_____				
Industrial Hot Water (IHW)	●				
Industrial Cold Water (ICW)	●				
Potable Hot Water (HW)	_____				
Potable Cold Water (CW)	_____				
Purified Water (PW)	_____				
Chilled Water (CHW S/R)	_____				
Steam	_____				
Condensate Return	_____				
Carbon Dioxide (CO ₂)	_____				
Nitrogen Gas (N ₂)	_____				
Cylinder Gases	_____				
Inert	_____				
Flammable	_____				
Toxic	_____				
Floor Drain (FD)	_____				
Floor Sink (FS)	A				
Safety Shower/Eyewash (SS)	_____				
Drench Hose (DH)	_____				

Appendix A: Room Data Sheets

Room ID No.: 3X
 Room Name: Environmental Chamber Room
 Unit: Biology Department

Occupancy:
 Room Size: 400 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day <input type="checkbox"/>	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
MECHANICAL	Emergency Power <input type="checkbox"/>	Lighting <input type="checkbox"/>
Temperature	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
68°-75° ± 2°F <input checked="" type="checkbox"/>	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
Other <input type="checkbox"/>	Data <input checked="" type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
Humidity	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
Other <input type="checkbox"/>	Lighting Level <input type="checkbox"/>	Digital Signage <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/>	100 fc at bench/desk <input type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	75 fc at bench/desk <input checked="" type="checkbox"/>	
Air Pressure Positive <input type="checkbox"/>	Safe Light <input type="checkbox"/>	MOVABLE EQUIPMENT
Air Pressure Negative <input checked="" type="checkbox"/>	Special Lighting <input type="checkbox"/>	Movable Chairs <input type="checkbox"/>
Additional Supply Air Filtration <input type="checkbox"/>	Darkenable <input type="checkbox"/>	Task Chair(s) <input type="checkbox"/>
Additional Exhaust Air Filtration <input type="checkbox"/>	Zoned Lighting <input type="checkbox"/>	Movable Desks <input type="checkbox"/>
	Other <input type="checkbox"/>	Movable Laboratory Stations <input type="checkbox"/>
HOODS	CHEMICALS	Lounge Seating <input type="checkbox"/>
Chemical Fume Hood <input type="checkbox"/>	Bases <input type="checkbox"/>	Movable Table(s) <input type="checkbox"/>
Radioisotope Hood <input type="checkbox"/>	Acids <input type="checkbox"/>	Recycling <input type="checkbox"/>
Horizontal Laminar Flow Hood <input type="checkbox"/>	Solvents <input type="checkbox"/>	Bookshelves <input type="checkbox"/>
Biological Safety Cabinet <input type="checkbox"/>	Radioisotopes <input type="checkbox"/>	Refrigerator <input type="checkbox"/>
Snorkel <input type="checkbox"/>	Carcinogens/Regulated <input type="checkbox"/>	Microwave <input type="checkbox"/>
Canopy Hood <input type="checkbox"/>	Chemical Waste Storage <input type="checkbox"/>	Coffeemaker <input type="checkbox"/>
Low Slotted Exhaust <input type="checkbox"/>	Biological Storage <input type="checkbox"/>	Copier/Scanner/Printer <input type="checkbox"/>
Equipment Exhaust <input type="checkbox"/>	Radioisotope Storage <input type="checkbox"/>	
Other <input type="checkbox"/>	Chemical Storage <input type="checkbox"/>	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board <input type="checkbox"/>
Vibration Sensitive <input type="checkbox"/>	Floor <input type="checkbox"/>	Marker Board <input type="checkbox"/>
Light Sensitive <input type="checkbox"/>	VCT (Chemical Resistant) <input type="checkbox"/>	Clock <input type="checkbox"/>
Vibration Producing <input type="checkbox"/>	VCT <input type="checkbox"/>	Pencil Sharpener <input type="checkbox"/>
Heat Producing <input type="checkbox"/>	Welded Seam Sheet Vinyl <input type="checkbox"/>	Teaching Podium <input type="checkbox"/>
Noise Producing <input type="checkbox"/>	Epoxy <input type="checkbox"/>	Laboratory Workstations <input type="checkbox"/>
PLUMBING	Carpet <input type="checkbox"/>	Coat Hook(s) <input type="checkbox"/>
Laboratory Gas (LG) <input type="checkbox"/>	Sealed Concrete <input checked="" type="checkbox"/>	ROOM DESCRIPTION
Laboratory Vacuum (LV) <input type="checkbox"/>	Terrazzo <input type="checkbox"/>	
Laboratory Air (LA) <input type="checkbox"/>	Tile <input type="checkbox"/>	
Compressed Air, 100 psi (A) <input type="checkbox"/>	Other <input type="checkbox"/>	
Industrial Hot Water (IHW) <input checked="" type="checkbox"/>	Base <input type="checkbox"/>	
Industrial Cold Water (ICW) <input checked="" type="checkbox"/>	4" Vinyl <input checked="" type="checkbox"/>	
Potable Hot Water (HW) <input type="checkbox"/>	Carpet <input type="checkbox"/>	
Potable Cold Water (CW) <input type="checkbox"/>	Integral w/floor <input type="checkbox"/>	
Purified Water (PW) <input checked="" type="checkbox"/>	Terrazzo <input type="checkbox"/>	
Chilled Water (CHW S/R) <input type="checkbox"/>	Tile <input type="checkbox"/>	
Steam <input type="checkbox"/>	Other <input type="checkbox"/>	
Condensate Return <input type="checkbox"/>	Partitions <input type="checkbox"/>	
Carbon Dioxide (CO ₂) <input type="checkbox"/>	Gyp Board, Epoxy Paint <input type="checkbox"/>	
Nitrogen Gas (N ₂) <input type="checkbox"/>	Gyp Board, Paint <input checked="" type="checkbox"/>	
Cylinder Gases <input type="checkbox"/>	Other <input type="checkbox"/>	
Inert <input type="checkbox"/>	Ceiling <input type="checkbox"/>	
Flammable <input type="checkbox"/>	Open <input type="checkbox"/>	
Toxic <input type="checkbox"/>	Acoustical Tile <input checked="" type="checkbox"/>	
Floor Drain (FD) <input checked="" type="checkbox"/>	Gyp Board, Epoxy Paint <input type="checkbox"/>	
Floor Sink (FS) <input type="checkbox"/>	Height <input type="checkbox"/>	
Safety Shower/Eyewash (SS) <input type="checkbox"/>	9'-0" min. <input type="checkbox"/>	
Drench Hose (DH) <input type="checkbox"/>	Doors <input type="checkbox"/>	
	3'-6" x 7' <input type="checkbox"/>	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door <input type="checkbox"/>	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input type="checkbox"/>	
		REMARKS
		A. Based on the number of Enviro Chambers
		1. Wall hung hand wash sink
		2. Floor drains @ Enviro Chambers
		3. Sanitizing sterilizer
		4. Moveable center table

Appendix A: Room Data Sheets

Room ID No.: 3Y1.1-8
 Room Name: Vivarium - Animal Rooms
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF x 8

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power ●	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other A.	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other A.	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 15A.	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative A.	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting C.	Movable Chairs _____
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) _____
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	
Chemical Fume Hood _____	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids _____	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents _____	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust B.	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
		Bulletin Board _____
		Marker Board _____
		Clock _____
		Pencil Sharpener _____
		Teaching Podium _____
		Laboratory Workstations _____
		Coat Hook(s) _____
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive _____	Floor _____	
Light Sensitive _____	VCT (Chemical Resistant) _____	
Vibration Producing _____	VCT _____	
Heat Producing _____	Welded Seam Sheet Vinyl _____	
Noise Producing _____	Epoxy ●	
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl _____	
	Carpet _____	
	Integral w/floor ●	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint ●	
	Gyp Board, Paint _____	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile _____	
	Gyp Board, Epoxy Paint ●	
	Height 9'-0" min.	
	Doors _____	
	3'-6" x 7' ●	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
PLUMBING		REMARKS
Laboratory Gas (LG) _____		A. Monitored air change temperature, humidity & pressure for each animal room
Laboratory Vacuum (LV) _____		B. Exhaust provision for each cage rack
Laboratory Air (LA) _____		C. Lighting high/low & off times for each animal room
Compressed Air, 100 psi (A) _____		1. Hand wash sinks in all rooms
Industrial Hot Water (IHW) _____		2. WP elec. receptacles @ 54" aff.
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) ●		
Potable Cold Water (CW) ●		
Purified Water (PW) ●		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert ●		
Flammable _____		
Toxic _____		
Floor Drain (FD) ●		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) ●		
Drench Hose (DH) ●		

Appendix A: Room Data Sheets

Room ID No.: 3Y2.1-2
 Room Name: Vivarium – Procedures Room
 Unit: Biology Department

Occupancy: 1
 Room Size: 480 ASF x 2

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power ●	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting B.	Flat Panel Monitor _____
Minimum Air Changes/Hr. 10	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) ●
	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood _____	Bases _____	Recycling _____
Radioisotope Hood _____	Acids _____	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents _____	Refrigerator _____
Biological Safety Cabinet 4'	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Low Slotted Exhaust A.	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board _____
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing _____	Welded Seam Sheet Vinyl _____	Coat Hook(s) _____
Noise Producing _____	Epoxy ●	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl _____	
Industrial Hot Water (IHW) _____	Carpet _____	
Industrial Cold Water (ICW) _____	Integral w/floor ●	
Potable Hot Water (HW) ●	Terrazzo _____	
Potable Cold Water (CW) ●	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint ●	REMARKS
Condensate Return _____	Gyp Board, Paint _____	A. 200 cfm @ Procedure benchtop
Carbon Dioxide (CO ₂) _____	Other _____	B. Exam light above Procedure benchtop
Nitrogen Gas (N ₂) _____	Ceiling _____	1. (2) Sinks @ perimeter
Cylinder Gases _____	Open _____	2. WP elec. Receptacles @ 54" aff
Inert _____	Acoustical Tile _____	
Flammable _____	Gyp Board, Epoxy Paint ●	
Toxic _____	Height 9'	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' ●	
Safety Shower/Eyewash (SS) _____	3'-0" x 7' _____	
Drench Hose (DH) ●	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 3Y3
 Room Name: Vivarium – Cage Wash
 Unit: Biology Department

Occupancy: 1
 Room Size: 320 ASF

UTILIZATION

Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	10
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS

Chemical Fume Hood	
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	A.
Other	

LABORATORY EQUIPMENT

Vibration Sensitive	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING

Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	
Flammable	
Toxic	
Floor Drain (FD)	B.
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	
75 fc at bench/desk	●
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	
Other	

CHEMICALS

Bases	
Acids	
Solvents	
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	
Epoxy	●
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	
Carpet	
Integral w/floor	●
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	●
Gyp Board, Paint	
Other	
Ceiling	
Open	
Acoustical Tile	
Gyp Board, Epoxy Paint	●
Height	9'
Doors	
3'-6" x 7'	●
3'-0" x 7'	
1'-6" x 7'	
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY

Computer	
DVD or Bluray Player	
Document Camera	
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	
Projection Screen(s)	
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT

Movable Chairs	
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT

Bulletin Board	
Marker Board	
Clock	
Pencil Sharpener	
Teaching Podium	
Laboratory Workstations	●
Coat Hook(s)	

ROOM DESCRIPTION

REMARKS

- A. Cage washer
- B. Rack hose down bay w/ hose rack
- 1. (1) Double sink
- 2. WP elec. receptacles @ 54" aff

Appendix A: Room Data Sheets

Room ID No.: 3Y4.1-2
 Room Name: Vivarium – Feed/Bedding Storage
 Unit: Biology Department

Occupancy: 1
 Room Size: 160 ASF x 2

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 3Y5
 Room Name: Vivarium – Dirty Room
 Unit: Biology Department

Occupancy: 1
 Room Size: 160 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td>Hours of Use</td> <td>_____</td> </tr> <tr> <td> 8 hours/day</td> <td>_____</td> </tr> <tr> <td> 14 hours/day</td> <td>_____</td> </tr> <tr> <td> 24 hours/day</td> <td style="text-align: center;">●</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td>Temperature</td> <td>_____</td> </tr> <tr> <td> 68°-75° ± 2°F</td> <td style="text-align: center;">●</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Humidity</td> <td>_____</td> </tr> <tr> <td> Uncontrolled</td> <td style="text-align: center;">●</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Minimum Air Changes/Hr.</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Air Recirculation</td> <td>_____</td> </tr> <tr> <td>Air Pressure Positive</td> <td>_____</td> </tr> <tr> <td>Air Pressure Negative</td> <td style="text-align: center;">●</td> </tr> <tr> <td>Additional Supply Air Filtration</td> <td>_____</td> </tr> <tr> <td>Additional Exhaust Air Filtration</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 3Y6
 Room Name: Vivarium – Lab Manager
 Unit: Biology Department

Occupancy: 1
 Room Size: 120 ASF

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Appendix A: Room Data Sheets

Room ID No.: 3Z
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 Unit: Biology Department

Occupancy: 1
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<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td>Hours of Use</td> <td></td> </tr> <tr> <td>8 hours/day</td> <td>_____</td> </tr> <tr> <td>14 hours/day</td> <td>_____</td> </tr> <tr> <td>24 hours/day</td> <td>_____●</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td>Temperature</td> <td></td> </tr> <tr> <td>68°-75° ± 2°F</td> <td>_____●</td> </tr> <tr> <td>Other</td> <td>_____</td> </tr> <tr> <td>Humidity</td> <td></td> </tr> <tr> <td>Uncontrolled</td> <td>_____●</td> </tr> <tr> <td>Other</td> <td>_____</td> </tr> <tr> <td>Minimum Air Changes/Hr.</td> <td>_____4</td> </tr> <tr> <td>Air Recirculation</td> <td>_____</td> </tr> <tr> <td>Air Pressure Positive</td> <td>_____</td> </tr> <tr> <td>Air Pressure Negative</td> <td>_____●</td> </tr> <tr> <td>Additional Supply Air Filtration</td> <td>_____</td> </tr> <tr> <td>Additional Exhaust Air Filtration</td> <td>_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td>Chemical Fume Hood</td> <td>_____</td> </tr> <tr> <td>Radioisotope Hood</td> <td>_____</td> </tr> <tr> <td>Horizontal Laminar Flow Hood</td> <td>_____</td> </tr> <tr> <td>Biological Safety Cabinet</td> <td>_____</td> </tr> <tr> <td>Snorkel</td> <td>_____</td> </tr> <tr> <td>Canopy Hood</td> <td>_____</td> </tr> <tr> <td>Low Slotted Exhaust</td> <td>_____</td> </tr> <tr> <td>Equipment Exhaust</td> <td>_____</td> </tr> <tr> <td>Other</td> <td>_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td>Vibration Sensitive</td> <td>_____</td> </tr> <tr> <td>Light Sensitive</td> <td>_____</td> </tr> <tr> <td>Vibration Producing</td> <td>_____</td> </tr> <tr> <td>Heat Producing</td> <td>_____</td> </tr> <tr> <td>Noise Producing</td> <td>_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 3AA1
 Room Name: Greenhouse
 Unit: Biology Department

Occupancy: 1
 Room Size: 960 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other A. _____
 Humidity
 Uncontrolled A. _____
 Other _____
 Minimum Air Changes/Hr. 10 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A)
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW)
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD)
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting B. _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7'
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. Variable temperature and humidity
- B. Adjustable grow lights

Appendix A: Room Data Sheets

Room ID No.: 3AA2
 Room Name: Greenhouse – Headhouse
 Unit: Biology Department

Occupancy: 1
 Room Size: 160 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data ●	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk ●	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs _____
68°-75° ± 2°F ●	Acids _____	Task Chair(s) _____
Other _____	Solvents _____	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled ●	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. 6	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative ●		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet _____	Laboratory Workstations ●
Low Slotted Exhaust _____	Sealed Concrete ●	Coat Hook(s) _____
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint ●	
	Gyp Board, Paint _____	
	Other _____	
	Ceiling	
	Open ●	
	Acoustical Tile _____	
	Gyp Board, Epoxy Paint _____	
	Height _____	
	Doors	
	3'-6" x 7' ●	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
LABORATORY EQUIPMENT	REMARKS	
Vibration Sensitive _____	1. (1) Double sink	
Light Sensitive _____	2. Soil sanitizer	
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) ●		
Potable Cold Water (CW) ●		
Purified Water (PW) ●		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) ●		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) ●		

Appendix A: Room Data Sheets

Room ID No.: 3AA3
 Room Name: Greenhouse – Aquatics Space
 Unit: Biology Department

Occupancy: 1
 Room Size: 160 ASF

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Appendix A: Room Data Sheets

Room ID No.: 3AA4.1-2
 Room Name: Greenhouse – Isolation Space
 Unit: Biology Department

Occupancy: 1
 Room Size: 320 ASF x 2

<p>UTILIZATION</p> <p>Hours of Use _____</p> <p style="margin-left: 20px;">8 hours/day _____</p> <p style="margin-left: 20px;">14 hours/day _____</p> <p style="margin-left: 20px;">24 hours/day _____ ●</p> <hr/> <p>MECHANICAL</p> <p>Temperature _____</p> <p style="margin-left: 20px;">68°-75° ± 2°F _____</p> <p style="margin-left: 20px;">Other _____ A.</p> <p>Humidity _____</p> <p style="margin-left: 20px;">Uncontrolled _____</p> <p style="margin-left: 20px;">Other _____ A.</p> <p>Minimum Air Changes/Hr. _____</p> <p>Air Recirculation _____</p> <p>Air Pressure Positive _____</p> <p>Air Pressure Negative _____ ●</p> <p>Additional Supply Air Filtration _____</p> <p>Additional Exhaust Air Filtration _____</p> <hr/> <p style="text-align: center;">HOODS</p> <p>Chemical Fume Hood _____</p> <p>Radioisotope Hood _____</p> <p>Horizontal Laminar Flow Hood _____</p> <p>Biological Safety Cabinet _____</p> <p>Snorkel _____</p> <p>Canopy Hood _____</p> <p>Low Slotted Exhaust _____</p> <p>Equipment Exhaust _____</p> <p>Other _____</p> <hr/> <p>LABORATORY EQUIPMENT</p> <p>Vibration Sensitive _____</p> <p>Light Sensitive _____</p> <p>Vibration Producing _____</p> <p>Heat Producing _____</p> <p>Noise Producing _____</p> <hr/> <p>PLUMBING</p> <p>Laboratory Gas (LG) _____</p> <p>Laboratory Vacuum (LV) _____</p> <p>Laboratory Air (LA) _____</p> <p>Compressed Air, 100 psi (A) _____</p> <p>Industrial Hot Water (IHW) _____</p> <p>Industrial Cold Water (ICW) _____</p> <p>Potable Hot Water (HW) _____</p> <p>Potable Cold Water (CW) _____ ●</p> <p>Purified Water (PW) _____</p> <p>Chilled Water (CHW S/R) _____</p> <p>Steam _____</p> <p>Condensate Return _____</p> <p>Carbon Dioxide (CO₂) _____</p> <p>Nitrogen Gas (N₂) _____</p> <p>Cylinder Gases _____</p> <p style="margin-left: 20px;">Inert _____</p> <p style="margin-left: 20px;">Flammable _____</p> <p style="margin-left: 20px;">Toxic _____</p> <p>Floor Drain (FD) _____ ●</p> <p>Floor Sink (FS) _____</p> <p>Safety Shower/Eyewash (SS) _____</p> <p>Drench Hose (DH) _____</p>	<p>ELECTRICAL</p> <p>110V, 20A, 1 Phase _____ ●</p> <p>208V, 30A, 1 Phase _____</p> <p>208V, 30A, 3 Phase _____</p> <p>480V, 100A, 3 Phase _____</p> <p>Isolated Ground Outlet _____</p> <p>Emergency Power _____</p> <p>UPS (OFOI) _____</p> <p>Phone _____</p> <p>Data _____</p> <p>In Use Light _____</p> <p>Task Lighting _____</p> <p>Lighting Level _____</p> <p style="margin-left: 20px;">100 fc at bench/desk _____</p> <p style="margin-left: 20px;">75 fc at bench/desk _____ ●</p> <p>Safe Light _____</p> <p>Special Lighting _____ B.</p> <p>Darkenable _____</p> <p>Zoned Lighting _____</p> <p>Other _____</p> <hr/> <p>CHEMICALS</p> <p>Bases _____</p> <p>Acids _____</p> <p>Solvents _____</p> <p>Radioisotopes _____</p> <p>Carcinogens/Regulated _____</p> <p>Chemical Waste Storage _____</p> <p>Biological Storage _____</p> <p>Radioisotope Storage _____</p> <p>Chemical Storage _____</p> <hr/> <p>ARCHITECTURAL</p> <p>Floor _____</p> <p style="margin-left: 20px;">VCT (Chemical Resistant) _____</p> <p style="margin-left: 20px;">VCT _____</p> <p style="margin-left: 20px;">Welded Seam Sheet Vinyl _____</p> <p style="margin-left: 20px;">Epoxy _____</p> <p style="margin-left: 20px;">Carpet _____</p> <p style="margin-left: 20px;">Sealed Concrete _____ ●</p> <p style="margin-left: 20px;">Terrazzo _____</p> <p style="margin-left: 20px;">Tile _____</p> <p style="margin-left: 20px;">Other _____</p> <p>Base _____</p> <p style="margin-left: 20px;">4" Vinyl _____ ●</p> <p style="margin-left: 20px;">Carpet _____</p> <p style="margin-left: 20px;">Integral w/floor _____</p> <p style="margin-left: 20px;">Terrazzo _____</p> <p style="margin-left: 20px;">Tile _____</p> <p style="margin-left: 20px;">Other _____</p> <p>Partitions _____</p> <p style="margin-left: 20px;">Gyp Board, Epoxy Paint _____ ●</p> <p style="margin-left: 20px;">Gyp Board, Paint _____</p> <p style="margin-left: 20px;">Other _____</p> <p>Ceiling _____</p> <p style="margin-left: 20px;">Open _____ ●</p> <p style="margin-left: 20px;">Acoustical Tile _____</p> <p style="margin-left: 20px;">Gyp Board, Epoxy Paint _____</p> <p style="margin-left: 20px;">Height _____</p> <p>Doors _____</p> <p style="margin-left: 20px;">3'-6" x 7' _____ ●</p> <p style="margin-left: 20px;">3'-0" x 7' _____</p> <p style="margin-left: 20px;">1'-6" x 7' _____</p> <p style="margin-left: 20px;">Light Tight Rotating Door _____</p> <p style="margin-left: 20px;">Vision Panel _____ ●</p> <p>Natural Daylight _____</p>	<p>TECHNOLOGY</p> <p>Computer _____</p> <p>DVD or Bluray Player _____</p> <p>Document Camera _____</p> <p>Audio System _____</p> <p>Touch-Screen Controls _____</p> <p style="margin-left: 20px;">Lighting _____</p> <p style="margin-left: 20px;">Audio/Visual _____</p> <p>Overhead Projector _____</p> <p>Projection Screen(s) _____</p> <p>Lecture Capture _____</p> <p>Flat Panel Monitor _____</p> <p>Digital Signage _____</p> <p>SMART Board Technology _____</p> <hr/> <p>MOVABLE EQUIPMENT</p> <p>Movable Chairs _____</p> <p>Task Chair(s) _____</p> <p>Movable Desks _____</p> <p>Movable Laboratory Stations _____</p> <p>Lounge Seating _____</p> <p>Movable Table(s) _____</p> <p>Recycling _____</p> <p>Bookshelves _____</p> <p>Refrigerator _____</p> <p>Microwave _____</p> <p>Coffeemaker _____</p> <p>Copier/Scanner/Printer _____</p> <hr/> <p>FIXED EQUIPMENT</p> <p>Bulletin Board _____</p> <p>Marker Board _____</p> <p>Clock _____</p> <p>Pencil Sharpener _____</p> <p>Teaching Podium _____</p> <p>Laboratory Workstations _____</p> <p>Coat Hook(s) _____</p> <hr/> <p>ROOM DESCRIPTION</p> <hr/> <p>REMARKS</p> <ul style="list-style-type: none"> A. One room desert environment & one room tropical environment B. Adjustable height grow lights 1. WP elec. receptacles @ 54" aff
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Appendix A: Room Data Sheets

Room ID No.: 3AB1
 Room Name: Specimen Museum – Display Specimen
 Unit: Biology Department
 Occupancy: 1
 Room Size: 640 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
MECHANICAL	Phone _____	Overhead Projector _____
Temperature	Data _____	Projection Screen(s) _____
68°-75° ± 2°F _____	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Humidity	Lighting Level _____	Digital Signage _____
Uncontrolled _____	100 fc at bench/desk _____	SMART Board Technology _____
Other _____	75 fc at bench/desk _____	
Minimum Air Changes/Hr. _____	Safe Light _____	MOVABLE EQUIPMENT
Air Recirculation _____	Special Lighting _____	Movable Chairs _____
Air Pressure Positive _____	Darkenable _____	Task Chair(s) _____
Air Pressure Negative _____	Zoned Lighting _____	Movable Desks _____
Additional Supply Air Filtration _____	Other _____	Movable Laboratory Stations _____
Additional Exhaust Air Filtration _____		Lounge Seating _____
		Movable Table(s) _____
HOODS	CHEMICALS	Recycling _____
Chemical Fume Hood _____	Bases _____	Bookshelves _____
Radioisotope Hood _____	Acids _____	Refrigerator _____
Horizontal Laminar Flow Hood _____	Solvents _____	Microwave _____
Biological Safety Cabinet _____	Radioisotopes _____	Coffemaker _____
Snorkel _____	Carcinogens/Regulated _____	Copier/Scanner/Printer _____
Canopy Hood _____	Chemical Waste Storage _____	
Low Slotted Exhaust _____	Biological Storage _____	FIXED EQUIPMENT
Equipment Exhaust _____	Radioisotope Storage _____	Bulletin Board _____
Other _____	Chemical Storage _____	Marker Board _____
		Clock _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Pencil Sharpener _____
Vibration Sensitive _____	Floor _____	Teaching Podium _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Laboratory Workstations _____
Vibration Producing _____	VCT _____	Coat Hook(s) _____
Heat Producing _____	Welded Seam Sheet Vinyl _____	
Noise Producing _____	Epoxy _____	ROOM DESCRIPTION
	Carpet _____	
PLUMBING	Sealed Concrete _____	
Laboratory Gas (LG) _____	Terrazzo _____	
Laboratory Vacuum (LV) _____	Tile _____	
Laboratory Air (LV) _____	Other _____	
Compressed Air, 100 psi (A) _____	Base _____	
Industrial Hot Water (IHW) _____	4" Vinyl _____	
Industrial Cold Water (ICW) _____	Carpet _____	
Potable Hot Water (HW) _____	Integral w/floor _____	
Potable Cold Water (CW) _____	Terrazzo _____	
Purified Water (PW) _____	Tile _____	
Chilled Water (CHW S/R) _____	Other _____	
Steam _____	Partitions _____	
Condensate Return _____	Gyp Board, Epoxy Paint _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Paint _____	
Nitrogen Gas (N ₂) _____	Other _____	
Cylinder Gases _____	Ceiling _____	
Inert _____	Open _____	
Flammable _____	Acoustical Tile _____	
Toxic _____	Gyp Board, Epoxy Paint _____	
Floor Drain (FD) _____	Height _____	
Floor Sink (FS) _____	Doors _____	
Safety Shower/Eyewash (SS) _____	3'-6" x 7' _____	
Drench Hose (DH) _____	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
		REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3AB2.1-2 Occupancy: 1
 Room Name: Specimen Museum – Specimen Non-Disp. Room Size: 320 ASF x 2
 Unit: Biology Department

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Floor Drain (FD)	_____																																																																																																																																																																																																																																																																																																																													
Floor Sink (FS)	_____																																																																																																																																																																																																																																																																																																																													
Safety Shower/Eyewash (SS)	_____																																																																																																																																																																																																																																																																																																																													
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REMARKS																																																																																																																																																																																																																																																																																																																														

Appendix A: Room Data Sheets

Room ID No.: 3AB3
 Room Name: Specimen Museum – Office Area
 Unit: Biology Department
 Occupancy: 1
 Room Size: 60 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone • _____
 Data • _____
 In Use Light _____
 Task Lighting • _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet • _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet • _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint • _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile • _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' • _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer • _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) • _____
 Movable Desks • _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) • _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3AB4
 Room Name: Specimen Museum – Rock Collection
 Unit: Biology Department
 Occupancy:
 Room Size: 160 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 3AB5
 Room Name: Specimen Museum – Tables & Chairs
 Unit: Biology Department

Occupancy: 30
 Room Size: 750 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 3AC.1-3
 Room Name: General Lab/Departmental Storage
 Unit: Biology Department

Occupancy:
 Room Size: 120 ASF x 3

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">4 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	4 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 4A
 Room Name: Department Chair's Office
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">● _____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 4B.1-16
 Room Name: Ranked Faculty Office
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF x 16

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 4C
 Room Name: Future Ranked Faculty Office
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 4D.1-9
 Room Name: Lecturer – Full Time
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF x 9

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 4E.1-2
 Room Name: Lecturer – Part Time
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 60 ASF x 2

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 4F
 Room Name: Support Staff/Reception Area/Files
 Unit: Chemistry Department

Occupancy: 9
 Room Size: 446 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use 8 hours/day _____ 14 hours/day _____ 24 hours/day _____	110V, 20A, 1 Phase _____ 208V, 30A, 1 Phase _____ 208V, 30A, 3 Phase _____ 480V, 100A, 3 Phase _____ Isolated Ground Outlet _____ Emergency Power _____ UPS (OFOI) _____ Phone _____ ● Data _____ ● In Use Light _____ Task Lighting _____ ● Lighting Level 100 fc at bench/desk _____ 75 fc at bench/desk _____ Safe Light _____ Special Lighting _____ Darkenable _____ Zoned Lighting _____ Other _____	Computer _____ ● DVD or Bluray Player _____ Document Camera _____ Audio System _____ Touch-Screen Controls _____ Lighting _____ Audio/Visual _____ Overhead Projector _____ Projection Screen(s) _____ Lecture Capture _____ Flat Panel Monitor _____ Digital Signage _____ SMART Board Technology _____
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature 68°-75° ± 2°F _____ Other _____ Humidity Uncontrolled _____ Other _____ Minimum Air Changes/Hr. _____ Air Recirculation _____ Air Pressure Positive _____ Air Pressure Negative _____ Additional Supply Air Filtration _____ Additional Exhaust Air Filtration _____	100 fc at bench/desk _____ 75 fc at bench/desk _____ Safe Light _____ Special Lighting _____ Darkenable _____ Zoned Lighting _____ Other _____ Bases _____ Acids _____ Solvents _____ Radioisotopes _____ Carcinogens/Regulated _____ Chemical Waste Storage _____ Biological Storage _____ Radioisotope Storage _____ Chemical Storage _____	Movable Chairs _____ ● Task Chair(s) _____ ● Movable Desks _____ ● Movable Laboratory Stations _____ Lounge Seating _____ Movable Table(s) _____ Recycling _____ Bookshelves _____ Refrigerator _____ Microwave _____ Coffeemaker _____ Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____ Radioisotope Hood _____ Horizontal Laminar Flow Hood _____ Biological Safety Cabinet _____ Snorkel _____ Canopy Hood _____ Low Slotted Exhaust _____ Equipment Exhaust _____ Other _____	Floor VCT (Chemical Resistant) _____ VCT _____ Welded Seam Sheet Vinyl _____ Epoxy _____ Carpet _____ ● Sealed Concrete _____ Terrazzo _____ Tile _____ Other _____ Base 4" Vinyl _____ Carpet _____ ● Integral w/floor _____ Terrazzo _____ Tile _____ Other _____ Partitions Gyp Board, Epoxy Paint _____ Gyp Board, Paint _____ ● Other _____ Ceiling Open _____ Acoustical Tile _____ ● Gyp Board, Epoxy Paint _____ Height _____ 9'-0" min. Doors 3'-6" x 7' _____ 3'-0" x 7' _____ 1'-6" x 7' _____ Light Tight Rotating Door _____ Vision Panel _____ Natural Daylight _____	Bulletin Board _____ ● Marker Board _____ Clock _____ Pencil Sharpener _____ Teaching Podium _____ Laboratory Workstations _____ Coat Hook(s) _____ ●
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive _____ Light Sensitive _____ Vibration Producing _____ Heat Producing _____ Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____ Laboratory Vacuum (LV) _____ Laboratory Air (LV) _____ Compressed Air, 100 psi (A) _____ Industrial Hot Water (IHW) _____ Industrial Cold Water (ICW) _____ Potable Hot Water (HW) _____ Potable Cold Water (CW) _____ Purified Water (PW) _____ Chilled Water (CHW S/R) _____ Steam _____ Condensate Return _____ Carbon Dioxide (CO ₂) _____ Nitrogen Gas (N ₂) _____ Cylinder Gases _____ Inert _____ Flammable _____ Toxic _____ Floor Drain (FD) _____ Floor Sink (FS) _____ Safety Shower/Eyewash (SS) _____ Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 4G
 Room Name: Workroom
 Unit: Chemistry Department

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 4H
 Room Name: Secure Storage
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr><td>Hours of Use</td><td>_____</td></tr> <tr><td>8 hours/day</td><td>_____</td></tr> <tr><td>14 hours/day</td><td>_____</td></tr> <tr><td>24 hours/day</td><td>_____</td></tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr><td>Temperature</td><td>_____</td></tr> <tr><td>68°-75° ± 2°F</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Humidity</td><td>_____</td></tr> <tr><td>Uncontrolled</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td>_____</td></tr> <tr><td>Air Recirculation</td><td>_____</td></tr> <tr><td>Air Pressure Positive</td><td>_____</td></tr> <tr><td>Air Pressure Negative</td><td>_____</td></tr> <tr><td>Additional Supply Air Filtration</td><td>_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td>_____</td></tr> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 4I.1-2
 Room Name: Lab Support Staff
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 120 ASF x 2

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Appendix A: Room Data Sheets

Room ID No.: 4J
 Room Name: Student Workers (Lab Prep)
 Unit: Chemistry Department

Occupancy: 6
 Room Size: 210 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 4K.1-3
 Room Name: General Chemistry I Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 3

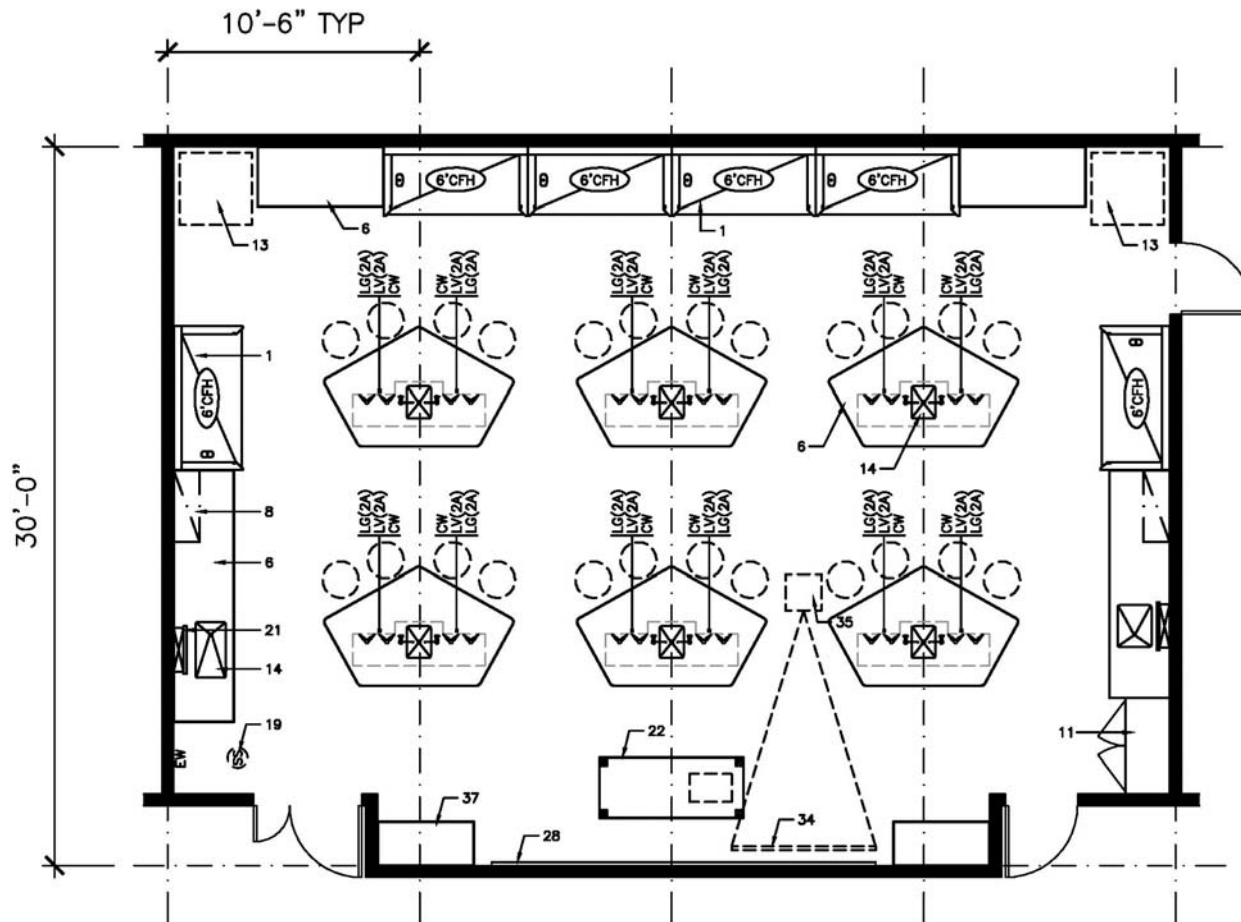
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ● _____	208V, 30A, 3 Phase 1	Document Camera ●
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector ●
Humidity	Data ●	Projection Screen(s) ●
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk ●	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk _____	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) _____
	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	
Chemical Fume Hood A.	Bases ●	Movable Table(s) _____
Radioisotope Hood _____	Acids ●	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents ●	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage ●	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
		Bulletin Board ●
		Marker Board ●
		Clock ●
		Pencil Sharpener ●
		Teaching Podium ●
		Laboratory Workstations ●
		Coat Hook(s) ●
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive _____	Floor _____	
Light Sensitive _____	VCT (Chemical Resistant) _____	
Vibration Producing _____	VCT _____	
Heat Producing _____	Welded Seam Sheet Vinyl ●	
Noise Producing _____	Epoxy _____	
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min.	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		A. (6) 6' CFH's comb @ 670cfm each
		1. 21 AC/H – Max
		2. (2) Sinks @ perimeter
		3. (6) Sinks @ Islands
		Discuss in the DD phase, the opportunity to reduce the (6) CFH's to one for chemical supplies and replace the rest with down draft units at the student stations that can be turned off when not in use..

Appendix A: Room Data Sheets

Room ID No.: 4K.1-3
 Room Name: General Chemistry I Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 3

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change. Discuss in the DD phase, the opportunity to provide (1) CFH and replace the rest with down draft units at the student stations.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4L.1-2
 Room Name: General Chemistry II Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

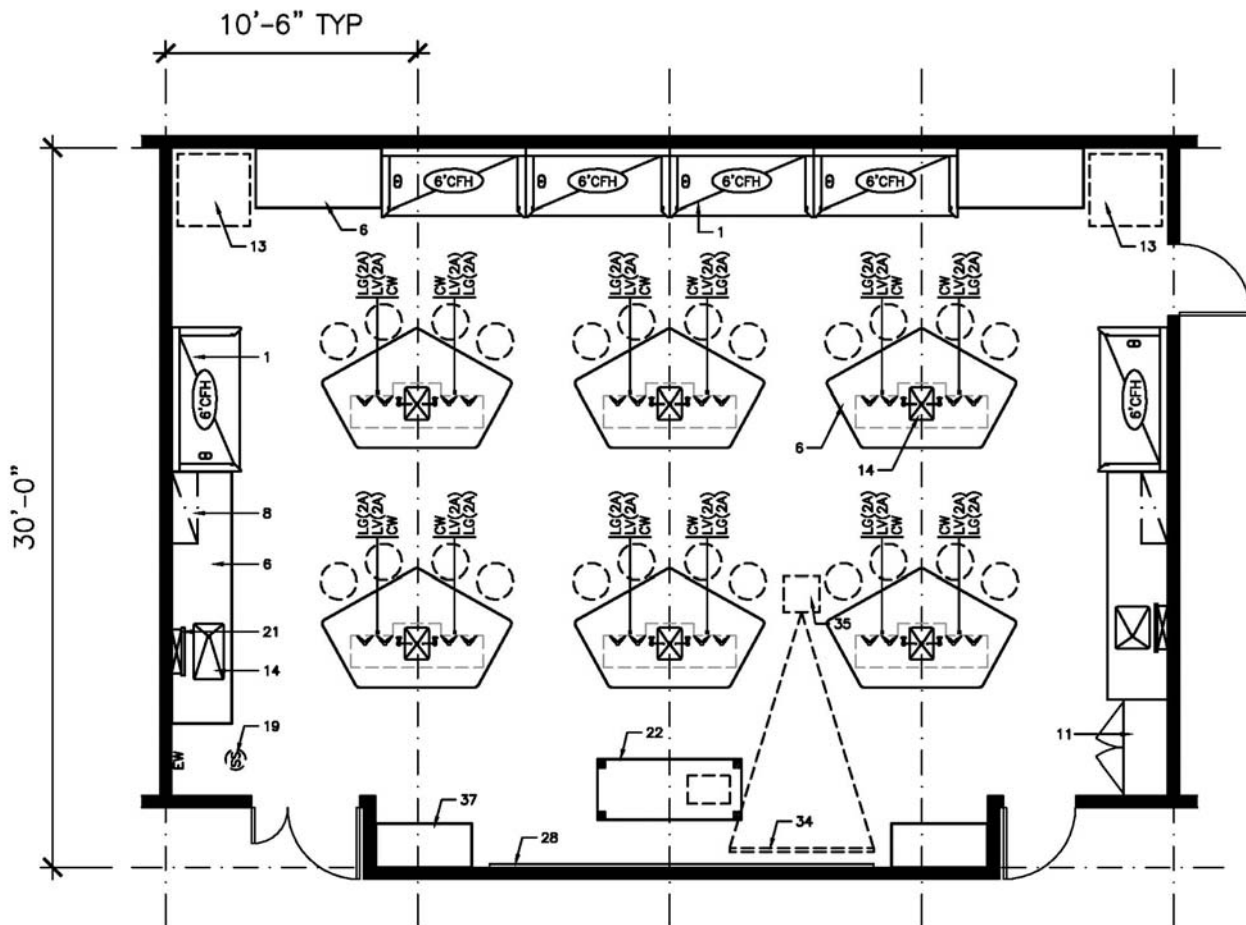
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase 1	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL		
Temperature	Emergency Power one	Lighting
68°-75° ± 2°F ●	UPS (OFOI)	Audio/Visual
Other	Phone	Overhead Projector ●
Humidity	Data ●	Projection Screen(s) ●
Uncontrolled ●	In Use Light	Lecture Capture
Other	Task Lighting	Flat Panel Monitor
Minimum Air Changes/Hr. 6	Lighting Level	Digital Signage
Air Recirculation	100 fc at bench/desk ●	SMART Board Technology
Air Pressure Positive	75 fc at bench/desk	
Air Pressure Negative ●	Safe Light	
Additional Supply Air Filtration	Special Lighting	
Additional Exhaust Air Filtration	Darkenable	
	Zoned Lighting ●	
	Other	
HOODS	CHEMICALS	MOVABLE EQUIPMENT
Chemical Fume Hood A.	Bases ●	Movable Chairs ●
Radioisotope Hood	Acids ●	Task Chair(s)
Horizontal Laminar Flow Hood	Solvents ●	Movable Desks
Biological Safety Cabinet	Radioisotopes	Movable Laboratory Stations
Snorkel	Carcinogens/Regulated	Lounge Seating
Canopy Hood	Chemical Waste Storage ●	Movable Table(s)
Low Slotted Exhaust	Biological Storage	Recycling
Equipment Exhaust	Radioisotope Storage	Bookshelves
Other	Chemical Storage	Refrigerator
		Microwave
		Coffeemaker
		Copier/Scanner/Printer
LABORATORY EQUIPMENT	ARCHITECTURAL	FIXED EQUIPMENT
Vibration Sensitive	Floor	Bulletin Board ●
Light Sensitive	VCT (Chemical Resistant)	Marker Board ●
Vibration Producing	VCT	Clock ●
Heat Producing	Welded Seam Sheet Vinyl ●	Pencil Sharpener ●
Noise Producing	Epoxy	Teaching Podium ●
	Carpet	Laboratory Workstations ●
	Sealed Concrete	Coat Hook(s) ●
	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl ●	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint ●	
	Other	
	Ceiling	
	Open	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint	
	Height 9'-0" min.	
	Doors	
	3'-6" x 7'	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	
PLUMBING		ROOM DESCRIPTION
Laboratory Gas (LG) ●		
Laboratory Vacuum (LV) ●		
Laboratory Air (LA) ●		
Compressed Air, 100 psi (A) ●		
Industrial Hot Water (IHW) ●		
Industrial Cold Water (ICW) ●		
Potable Hot Water (HW)		
Potable Cold Water (CW)		
Purified Water (PW) ●		
Chilled Water (CHW S/R)		
Steam		
Condensate Return		
Carbon Dioxide (CO ₂)		
Nitrogen Gas (N ₂)		
Cylinder Gases		
Inert		
Flammable		
Toxic		
Floor Drain (FD)		
Floor Sink (FS)		
Safety Shower/Eyewash (SS) ●		
Drench Hose (DH) ●		
REMARKS		
A. (6) 6' CFH's comb @ 670cfm each		
1. 21 AC/H – Max		
2. (2) Sinks @ perimeter		
3. (6) Sinks @ Islands		
Discuss in the DD phase, the opportunity to reduce the (6) CFH's to one for chemical supplies and replace the rest with down draft units at the student stations that turned off when not in use.		

Appendix A: Room Data Sheets

Room ID No.: 4L.1-2
 Room Name: General Chemistry II Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change. Discuss in the DD phase, the opportunity to provide (1) CFH and replace the rest with down draft units at the student stations.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4M.1-2
 Room Name: Biochemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

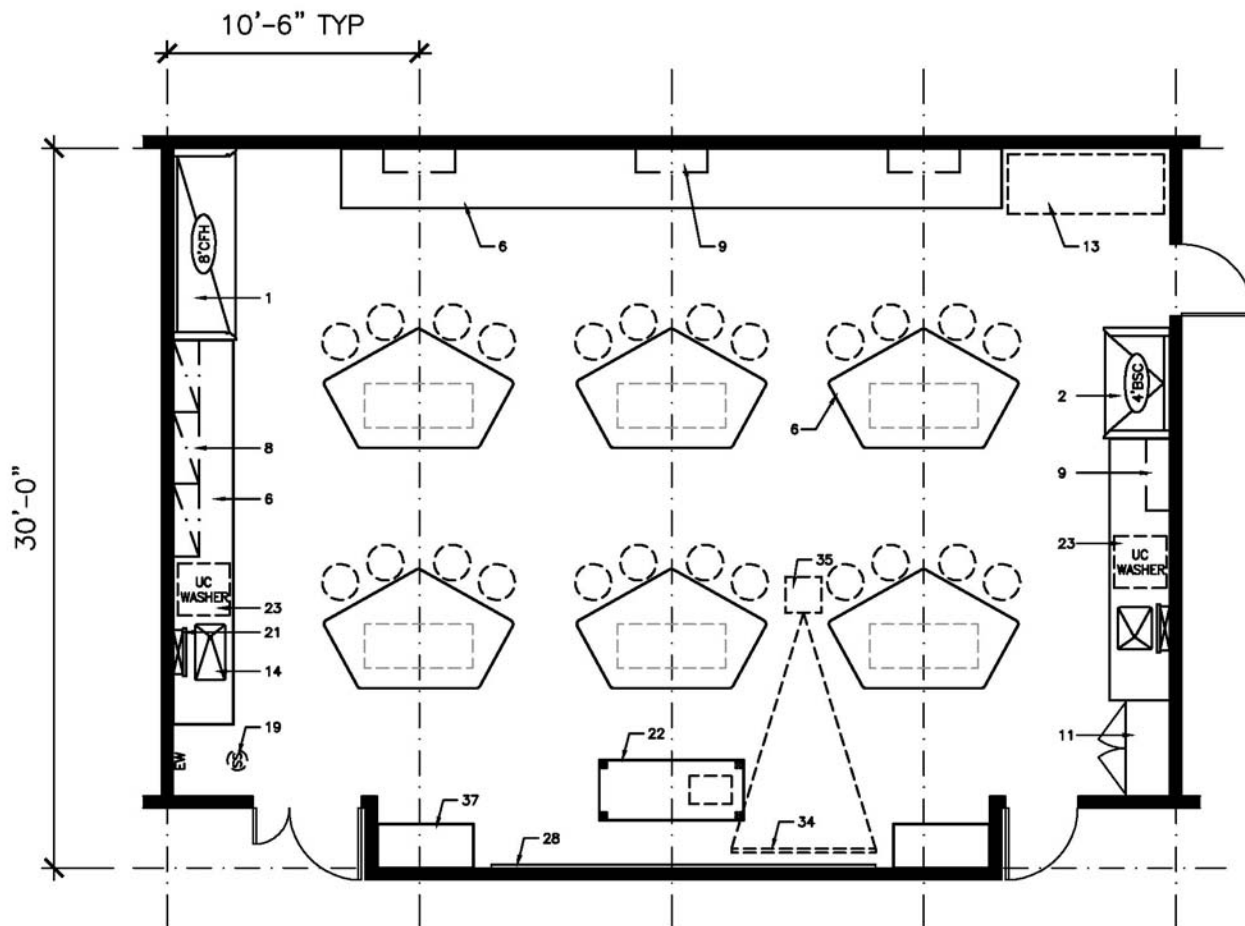
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL		
Temperature	Emergency Power one	Lighting
68°-75° ± 2°F ●	UPS (OFOI)	Audio/Visual
Other	Phone	Overhead Projector ●
Humidity	Data ●	Projection Screen(s) ●
Uncontrolled ●	In Use Light	Lecture Capture
Other	Task Lighting	Flat Panel Monitor
Minimum Air Changes/Hr. 6	Lighting Level	Digital Signage
Air Recirculation	100 fc at bench/desk ●	SMART Board Technology
Air Pressure Positive	75 fc at bench/desk	
Air Pressure Negative ●	Safe Light	
Additional Supply Air Filtration	Special Lighting	
Additional Exhaust Air Filtration	Darkenable	
	Zoned Lighting ●	
	Other	
HOODS	CHEMICALS	MOVABLE EQUIPMENT
Chemical Fume Hood A.	Bases ●	Movable Chairs ●
Radioisotope Hood	Acids ●	Task Chair(s)
Horizontal Laminar Flow Hood	Solvents ●	Movable Desks
Biological Safety Cabinet A.	Radioisotopes	Movable Laboratory Stations
Snorkel	Carcinogens/Regulated	Lounge Seating
Canopy Hood	Chemical Waste Storage ●	Movable Table(s)
Low Slotted Exhaust	Biological Storage ●	Recycling
Equipment Exhaust	Radioisotope Storage	Bookshelves
Other	Chemical Storage	Refrigerator
		Microwave
		Coffemaker
		Copier/Scanner/Printer
LABORATORY EQUIPMENT	ARCHITECTURAL	FIXED EQUIPMENT
Vibration Sensitive	Floor	Bulletin Board ●
Light Sensitive	VCT (Chemical Resistant)	Marker Board ●
Vibration Producing	VCT	Clock ●
Heat Producing	Welded Seam Sheet Vinyl ●	Pencil Sharpener ●
Noise Producing	Epoxy	Teaching Podium ●
	Carpet	Laboratory Workstations ●
	Sealed Concrete	Coat Hook(s) ●
	Terrazzo	
	Tile	
	Other	
PLUMBING		ROOM DESCRIPTION
Laboratory Gas (LG) ●	Base	
Laboratory Vacuum (LV) ●	4" Vinyl ●	
Laboratory Air (LA) ●	Carpet	
Compressed Air, 100 psi (A)	Integral w/floor	
Industrial Hot Water (IHW) ●	Terrazzo	
Industrial Cold Water (ICW) ●	Tile	
Potable Hot Water (HW)	Other	
Potable Cold Water (CW)	Partitions	
Purified Water (PW) ●	Gyp Board, Epoxy Paint	
Chilled Water (CHW S/R) ●	Gyp Board, Paint ●	
Steam	Other	
Condensate Return	Ceiling	
Carbon Dioxide (CO ₂)	Open	
Nitrogen Gas (N ₂) ●	Acoustical Tile ●	
Cylinder Gases	Gyp Board, Epoxy Paint	
Inert	Height 9'-0" min.	
Flammable	Doors	
Toxic	3'-6" x 7' ●	
Floor Drain (FD)	3'-0" x 7' ●	
Floor Sink (FS)	1'-6" x 7' ●	
Safety Shower/Eyewash (SS) ●	Light Tight Rotating Door	
Drench Hose (DH) ●	Vision Panel ●	
	Natural Daylight	
REMARKS		
A. 8' CFH @ 1100cfm, 4' BSC recircu.		
1. 6 AC/H – Max		
2. (2) Sinks @ perimeter		
3. (2) Under counter Washers		
4. Drawer cabinets below the student stations. No plumbing.		

Appendix A: Room Data Sheets

Room ID No.: 4M.1-2
 Room Name: Biochemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4N
 Room Name: Survey of Organic Chemistry Laboratory
 Unit: Chemistry Department
 Occupancy: 24
 Room Size: 1,280 ASF

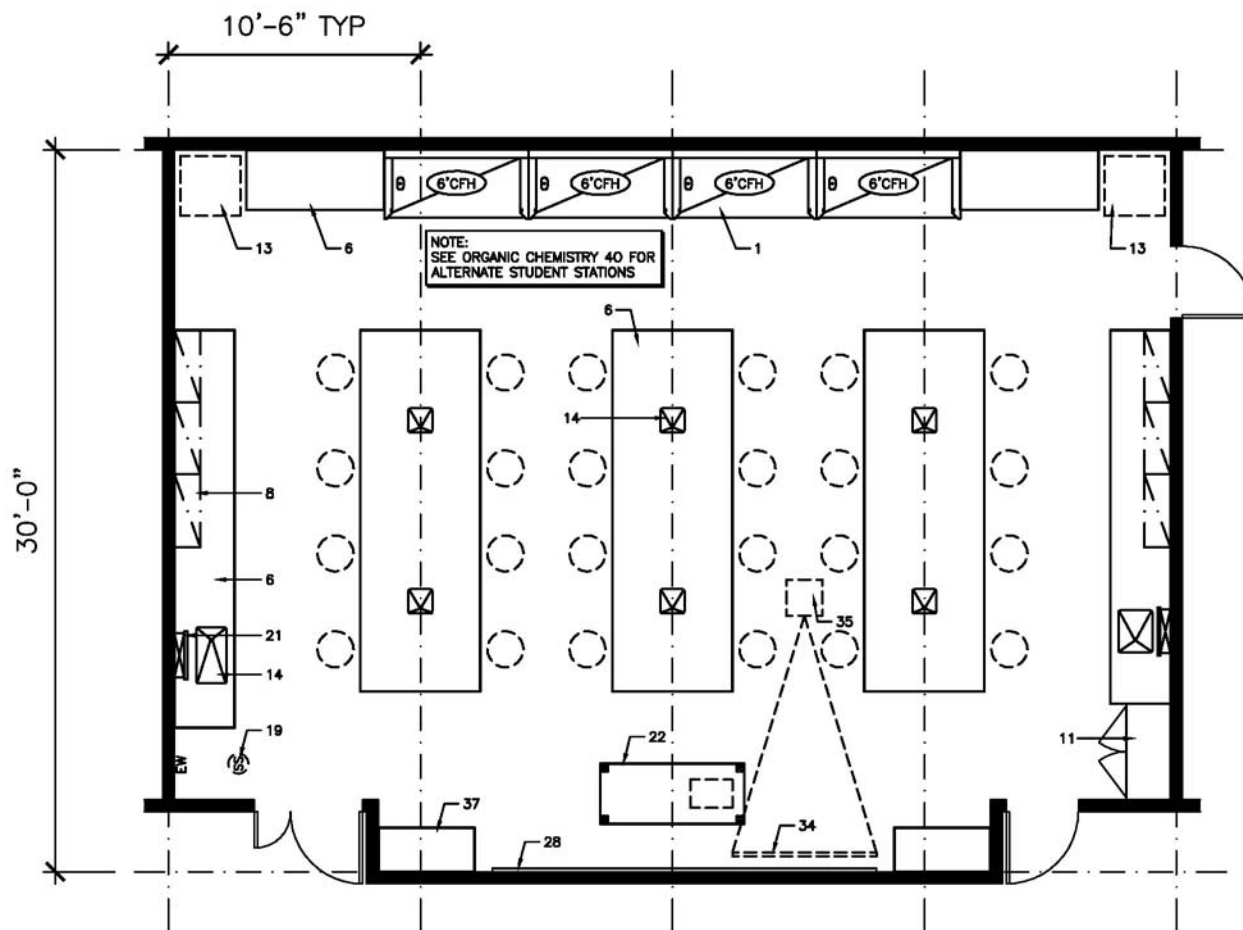
UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	●
8 hours/day	_____	208V, 30A, 1 Phase	one	DVD or Bluray Player	●
14 hours/day	●	208V, 30A, 3 Phase	_____	Document Camera	●
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
		Emergency Power	one	Lighting	_____
		UPS (OFOI)	_____	Audio/Visual	_____
		Phone	_____	Overhead Projector	●
		Data	●	Projection Screen(s)	●
		In Use Light	_____	Lecture Capture	_____
		Task Lighting	_____	Flat Panel Monitor	_____
		Lighting Level	_____	Digital Signage	_____
		100 fc at bench/desk	●	SMART Board Technology	_____
		75 fc at bench/desk	_____		
		Safe Light	_____		
		Special Lighting	_____		
		Darkenable	_____		
		Zoned Lighting	●		
		Other	_____		
MECHANICAL		CHEMICALS		MOVABLE EQUIPMENT	
Temperature		Bases	●	Movable Chairs	●
68°-75° ± 2°F	●	Acids	●	Task Chair(s)	_____
Other	_____	Solvents	●	Movable Desks	_____
Humidity		Radioisotopes	_____	Movable Laboratory Stations	_____
Uncontrolled	●	Carcinogens/Regulated	_____	Lounge Seating	_____
Other	_____	Chemical Waste Storage	●	Movable Table(s)	_____
Minimum Air Changes/Hr.	6	Biological Storage	_____	Recycling	_____
Air Recirculation	_____	Radioisotope Storage	_____	Bookshelves	_____
Air Pressure Positive	_____	Chemical Storage	_____	Refrigerator	_____
Air Pressure Negative	●			Microwave	_____
Additional Supply Air Filtration	_____			Coffeemaker	_____
Additional Exhaust Air Filtration	_____			Copier/Scanner/Printer	_____
HOODS		ARCHITECTURAL		FIXED EQUIPMENT	
Chemical Fume Hood	A.	Floor		Bulletin Board	●
Radioisotope Hood	_____	VCT (Chemical Resistant)	_____	Marker Board	●
Horizontal Laminar Flow Hood	_____	VCT	_____	Clock	●
Biological Safety Cabinet	_____	Welded Seam Sheet Vinyl	●	Pencil Sharpener	●
Snorkel	_____	Epoxy	_____	Teaching Podium	●
Canopy Hood	_____	Carpet	_____	Laboratory Workstations	●
Low Slotted Exhaust	_____	Sealed Concrete	_____	Coat Hook(s)	●
Equipment Exhaust	_____	Terrazzo	_____		
Other	_____	Tile	_____		
		Other	_____		
		Base			
		4" Vinyl	●		
		Carpet	_____		
		Integral w/floor	_____		
		Terrazzo	_____		
		Tile	_____		
		Other	_____		
		Partitions			
		Gyp Board, Epoxy Paint	_____		
		Gyp Board, Paint	●		
		Other	_____		
		Ceiling			
		Open	_____		
		Acoustical Tile	●		
		Gyp Board, Epoxy Paint	_____		
		Height	9'-0" min.		
		Doors			
		3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	●		
		Light Tight Rotating Door	_____		
		Vision Panel	●		
		Natural Daylight	_____		
LABORATORY EQUIPMENT				ROOM DESCRIPTION	
Vibration Sensitive	_____				
Light Sensitive	_____				
Vibration Producing	_____				
Heat Producing	_____				
Noise Producing	_____				
PLUMBING				REMARKS	
Laboratory Gas (LG)	●			A.	(4) 6' CFH's comb 670cfm each
Laboratory Vacuum (LV)	●			1.	14 AC/H – Max
Laboratory Air (LA)	●			2.	(2) Sinks @ perimeter
Compressed Air, 100 psi (A)	_____			3.	(6) Sinks @ islands
Industrial Hot Water (IHW)	●				
Industrial Cold Water (ICW)	●				
Potable Hot Water (HW)	_____				
Potable Cold Water (CW)	_____				
Purified Water (PW)	●				
Chilled Water (CHW S/R)	_____				
Steam	●				
Condensate Return	_____				
Carbon Dioxide (CO ₂)	_____				
Nitrogen Gas (N ₂)	●				
Cylinder Gases					
Inert	●				
Flammable	_____				
Toxic	_____				
Floor Drain (FD)	_____				
Floor Sink (FS)	_____				
Safety Shower/Eyewash (SS)	●				
Drench Hose (DH)	●				

Appendix A: Room Data Sheets

Room ID No.: 4N
 Room Name: Survey of Organic Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 40.1-2

Occupancy: 24

Room Name: Organic Chemistry Majors Laboratory

Room Size: 1,280 ASF x 2

Unit: Chemistry Department

UTILIZATION

Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	6
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS

Chemical Fume Hood	A.
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT

Vibration Sensitive	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	●
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	●
Cylinder Gases	
Inert	●
Flammable	
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	●
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	one
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	●
75 fc at bench/desk	
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	●
Other	

CHEMICALS

Bases	●
Acids	●
Solvents	●
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	●
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY

Computer	●
DVD or Bluray Player	●
Document Camera	●
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	●
Projection Screen(s)	●
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	●
Clock	●
Pencil Sharpener	●
Teaching Podium	●
Laboratory Workstations	●
Coat Hook(s)	●

ROOM DESCRIPTION

REMARKS

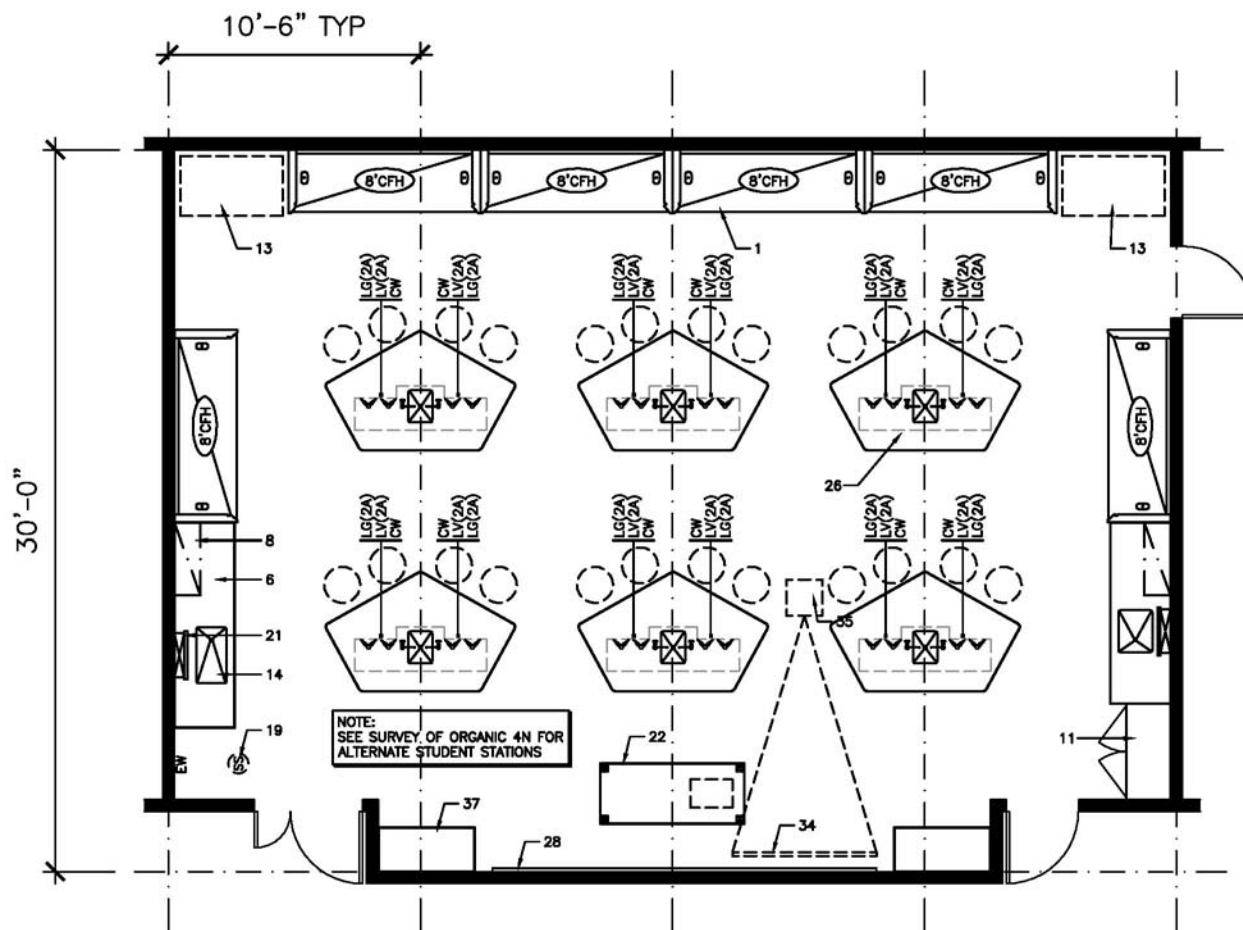
- A. (6) 8' CFH's comb @ 950cfm each
- 1. 30 AC/H – Max
- 2. (2) Sinks @ perimeter
- 3. (6) Sinks @ islands

Appendix A: Room Data Sheets

Room ID No.: 40
 Room Name: Organic Chemistry Majors Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4P.1-2
 Room Name: Analytical Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

UTILIZATION

Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	6
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS

Chemical Fume Hood	A.
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	B.
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT

Vibration Sensitive	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	●
Flammable	●
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	●
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	one
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	●
75 fc at bench/desk	
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	●
Other	

CHEMICALS

Bases	●
Acids	●
Solvents	●
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	●
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY

Computer	●
DVD or Bluray Player	●
Document Camera	●
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	●
Projection Screen(s)	●
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	●
Clock	●
Pencil Sharpener	●
Teaching Podium	●
Laboratory Workstations	●
Coat Hook(s)	●

ROOM DESCRIPTION

REMARKS

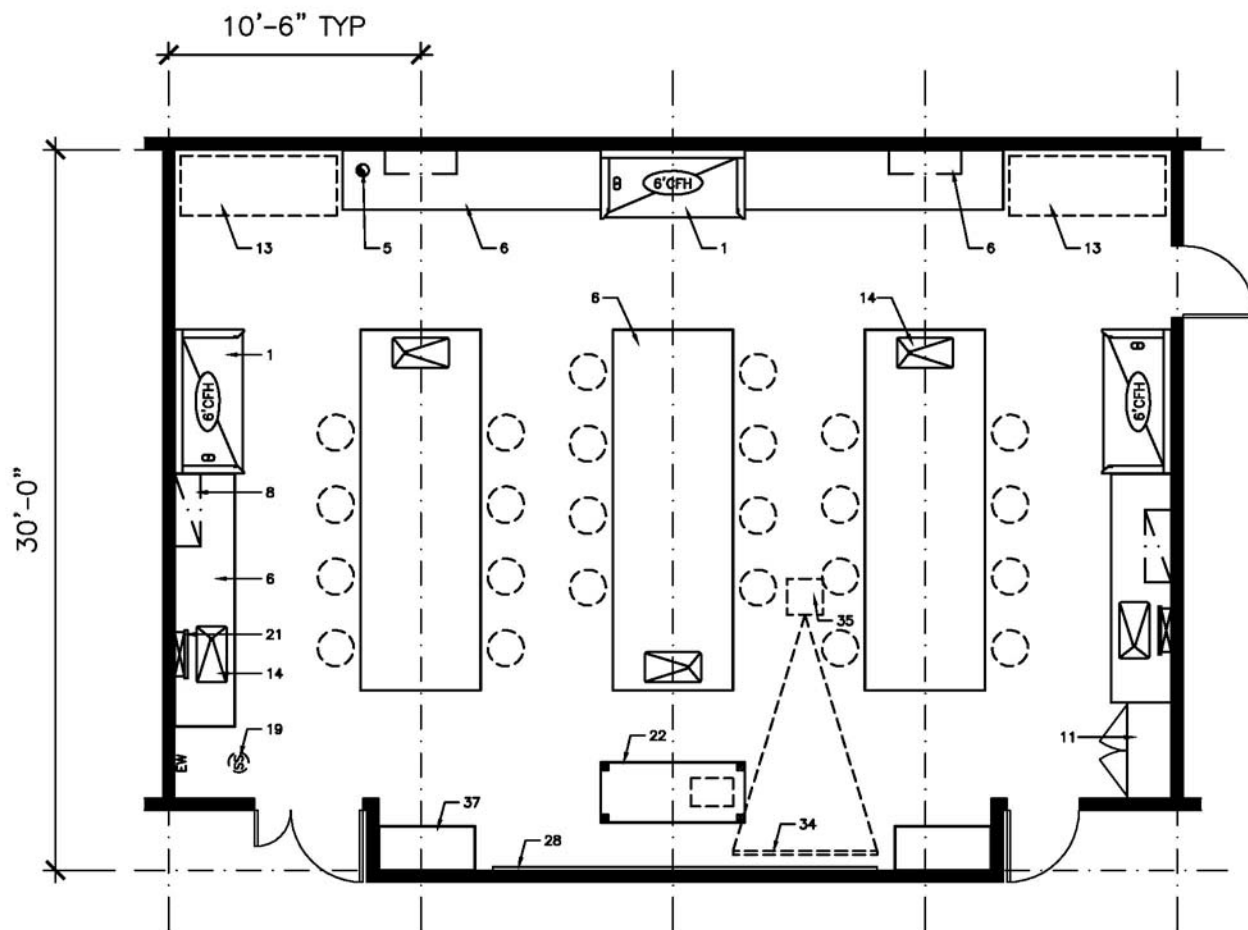
- A. (3) 6' CFH's comb @ 670cfm each
- B. (1) Snorkel @ AA @ 200cfm
- 1. 12 AC/H – Max
- 2. (2) Sinks @ perimeter
- 3. (3) Sinks @ islands

Appendix A: Room Data Sheets

Room ID No.: 4P.1-2
 Room Name: Analytical Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF x 2

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4Q
 Room Name: Instrumental Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 12
 Room Size: 1,280 ASF

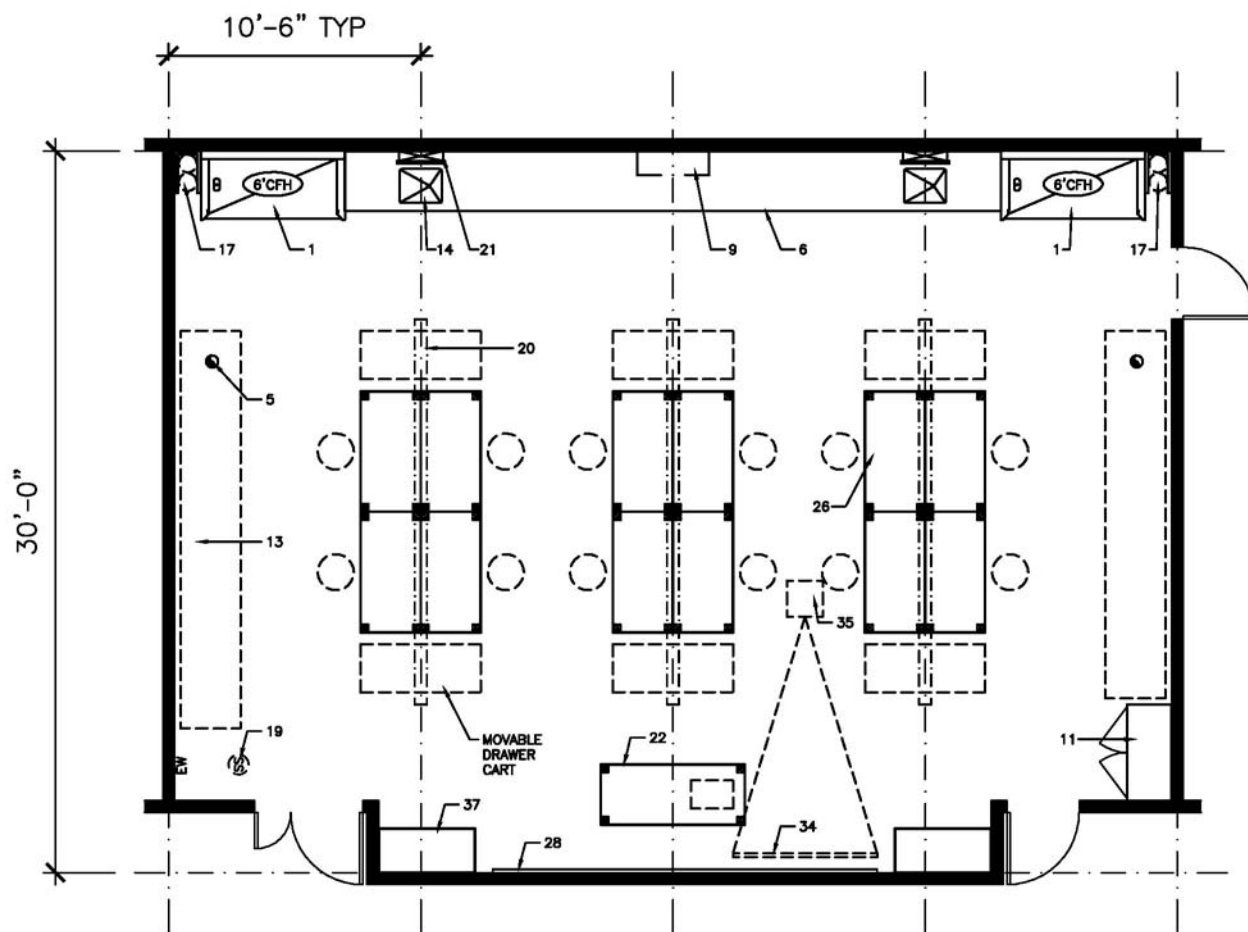
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day _____	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase _____	Document Camera <input type="checkbox"/>
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power <input type="checkbox"/>	Lighting _____
68°-75° ± 2°F <input checked="" type="checkbox"/>	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector <input type="checkbox"/>
Humidity	Data <input checked="" type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. <input type="checkbox"/>	Lighting Level _____	Digital Signage _____
Air Recirculation <input type="checkbox"/>	100 fc at bench/desk <input checked="" type="checkbox"/>	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk _____	
Air Pressure Negative <input checked="" type="checkbox"/>	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs <input checked="" type="checkbox"/>
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) _____
	Zoned Lighting <input checked="" type="checkbox"/>	Movable Desks _____
	Other _____	Movable Laboratory Stations <input checked="" type="checkbox"/>
		Lounge Seating _____
HOODS	CHEMICALS	
Chemical Fume Hood <input type="checkbox"/>	Bases <input checked="" type="checkbox"/>	Movable Table(s) _____
Radioisotope Hood _____	Acids <input checked="" type="checkbox"/>	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents <input checked="" type="checkbox"/>	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel <input type="checkbox"/>	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage <input checked="" type="checkbox"/>	FIXED EQUIPMENT
		Bulletin Board <input checked="" type="checkbox"/>
		Marker Board <input checked="" type="checkbox"/>
		Clock <input checked="" type="checkbox"/>
		Pencil Sharpener <input checked="" type="checkbox"/>
		Teaching Podium <input checked="" type="checkbox"/>
		Laboratory Workstations _____
		Coat Hook(s) <input checked="" type="checkbox"/>
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive _____	Floor _____	
Light Sensitive _____	VCT (Chemical Resistant) _____	
Vibration Producing _____	VCT _____	
Heat Producing <input checked="" type="checkbox"/>	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	
Noise Producing _____	Epoxy _____	
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl <input checked="" type="checkbox"/>	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint <input checked="" type="checkbox"/>	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile <input checked="" type="checkbox"/>	
	Gyp Board, Epoxy Paint _____	
	Height <input type="checkbox"/>	
	9'-0" min. _____	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door _____	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight _____	
REMARKS		
A. (2) 6' CFH's @ 800cfm each		
B. (2) Snorkels @ AA & GCMS @ 200cfm each		
1. 11 AC/H – Max		
2. (2) Sinks @ perimeter		

Appendix A: Room Data Sheets

Room ID No.: 4Q
 Room Name: Instrumental Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 12
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4R
 Room Name: Physical Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF

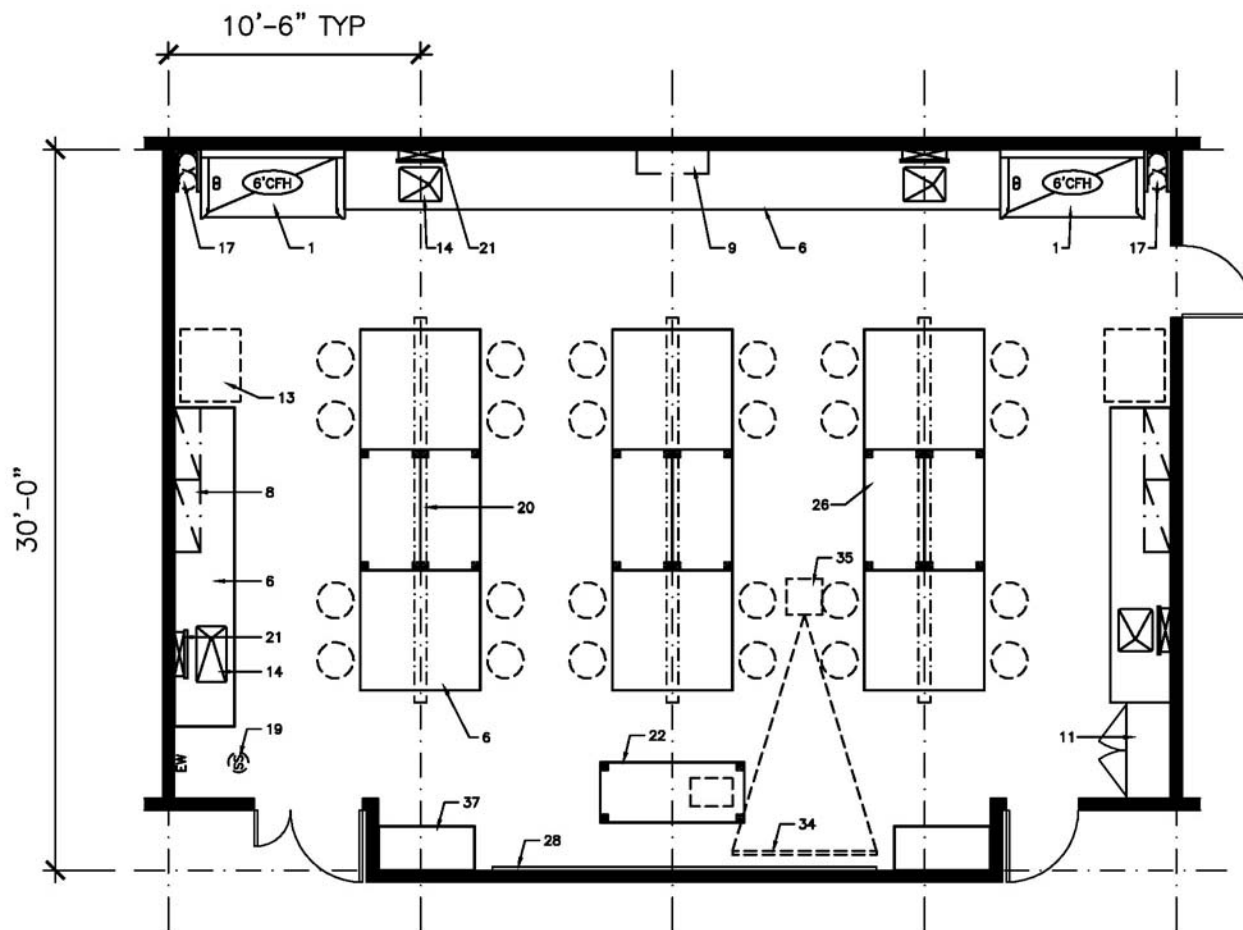
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
MECHANICAL		
Temperature	Emergency Power <input type="checkbox"/>	Lighting <input type="checkbox"/>
68°-75° ± 2°F <input checked="" type="checkbox"/>	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
Other <input type="checkbox"/>	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
Humidity	Data <input checked="" type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
Other <input type="checkbox"/>	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/>	Lighting Level <input type="checkbox"/>	Digital Signage <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	100 fc at bench/desk <input checked="" type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
Air Pressure Positive <input type="checkbox"/>	75 fc at bench/desk <input type="checkbox"/>	
Air Pressure Negative <input checked="" type="checkbox"/>	Safe Light <input type="checkbox"/>	MOVABLE EQUIPMENT
Additional Supply Air Filtration <input type="checkbox"/>	Special Lighting <input type="checkbox"/>	Movable Chairs <input checked="" type="checkbox"/>
Additional Exhaust Air Filtration <input type="checkbox"/>	Darkenable <input type="checkbox"/>	Task Chair(s) <input type="checkbox"/>
	Zoned Lighting <input checked="" type="checkbox"/>	Movable Desks <input type="checkbox"/>
	Other <input type="checkbox"/>	Movable Laboratory Stations <input type="checkbox"/>
		Lounge Seating <input type="checkbox"/>
		Movable Table(s) <input checked="" type="checkbox"/>
		Recycling <input type="checkbox"/>
		Bookshelves <input type="checkbox"/>
		Refrigerator <input type="checkbox"/>
		Microwave <input type="checkbox"/>
		Coffeemaker <input type="checkbox"/>
		Copier/Scanner/Printer <input type="checkbox"/>
HOODS	CHEMICALS	FIXED EQUIPMENT
Chemical Fume Hood <input type="checkbox"/>	Bases <input checked="" type="checkbox"/>	Bulletin Board <input checked="" type="checkbox"/>
Radioisotope Hood <input type="checkbox"/>	Acids <input checked="" type="checkbox"/>	Marker Board <input checked="" type="checkbox"/>
Horizontal Laminar Flow Hood <input type="checkbox"/>	Solvents <input checked="" type="checkbox"/>	Clock <input checked="" type="checkbox"/>
Biological Safety Cabinet <input type="checkbox"/>	Radioisotopes <input type="checkbox"/>	Pencil Sharpener <input checked="" type="checkbox"/>
Snorkel <input type="checkbox"/>	Carcinogens/Regulated <input type="checkbox"/>	Teaching Podium <input checked="" type="checkbox"/>
Canopy Hood <input type="checkbox"/>	Chemical Waste Storage <input checked="" type="checkbox"/>	Laboratory Workstations <input checked="" type="checkbox"/>
Low Slotted Exhaust <input type="checkbox"/>	Biological Storage <input type="checkbox"/>	Coat Hook(s) <input checked="" type="checkbox"/>
Equipment Exhaust <input type="checkbox"/>	Radioisotope Storage <input type="checkbox"/>	
Other <input type="checkbox"/>	Chemical Storage <input type="checkbox"/>	ROOM DESCRIPTION
LABORATORY EQUIPMENT	ARCHITECTURAL	REMARKS
Vibration Sensitive <input type="checkbox"/>	Floor <input type="checkbox"/>	A. (2) 6' CFH's @ 800cfm each
Light Sensitive <input type="checkbox"/>	VCT (Chemical Resistant) <input type="checkbox"/>	1. 9 AC/H – Max
Vibration Producing <input type="checkbox"/>	VCT <input type="checkbox"/>	2. (4) Sinks @ perimeter
Heat Producing <input type="checkbox"/>	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	
Noise Producing <input type="checkbox"/>	Epoxy <input type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Sealed Concrete <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Base <input type="checkbox"/>	
	4" Vinyl <input checked="" type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Integral w/floor <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Partitions <input type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Gyp Board, Paint <input checked="" type="checkbox"/>	
	Other <input type="checkbox"/>	
	Ceiling <input type="checkbox"/>	
	Open <input type="checkbox"/>	
	Acoustical Tile <input checked="" type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Height <input type="checkbox"/>	
	9'-0" min. <input type="checkbox"/>	
	Doors <input type="checkbox"/>	
	3'-6" x 7' <input type="checkbox"/>	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door <input type="checkbox"/>	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input type="checkbox"/>	

Appendix A: Room Data Sheets

Room ID No.: 4R
 Room Name: Physical Chemistry Laboratory
 Unit: Chemistry Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 4S1
 Room Name: General Chemistry Prep/Balance
 Unit: Chemistry Department

Occupancy:
 Room Size: 640 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive @ Balance Rm</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">● _____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	● _____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	6 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	A. _____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive @ Balance Rm	● _____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	● _____	Laboratory Vacuum (LV)	● _____	Laboratory Air (LA)	● _____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	● _____	Industrial Cold Water (ICW)	● _____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	● _____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	● _____	Drench Hose (DH)	● _____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 4S2

Occupancy:

Room Name: Gen./Survey of Org. Chem. Prep/Balance

Room Size: 640 ASF

Unit: Chemistry Department

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input checked="" type="checkbox"/>	Computer _____
8 hours/day _____	208V, 30A, 1 Phase <input type="checkbox"/> one _____	DVD or Bluray Player _____
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power <input type="checkbox"/> one _____	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F <input checked="" type="checkbox"/>	Phone _____	Overhead Projector _____
Other _____	Data <input checked="" type="checkbox"/>	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled <input checked="" type="checkbox"/>	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. <input type="checkbox"/> 6	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk <input checked="" type="checkbox"/>	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative <input checked="" type="checkbox"/>	Special Lighting _____	Movable Chairs <input checked="" type="checkbox"/>
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood <input type="checkbox"/> A.	Bases <input checked="" type="checkbox"/>	Movable Table(s) _____
Radioisotope Hood _____	Acids <input checked="" type="checkbox"/>	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents <input checked="" type="checkbox"/>	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage <input checked="" type="checkbox"/>	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board <input checked="" type="checkbox"/>
Vibration Sensitive @ Balance Rm <input checked="" type="checkbox"/>	Floor _____	Marker Board _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Clock _____
Vibration Producing _____	VCT _____	Pencil Sharpener _____
Heat Producing _____	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	Teaching Podium _____
Noise Producing _____	Epoxy _____	Laboratory Workstations <input checked="" type="checkbox"/>
	Carpet _____	Coat Hook(s) _____
PLUMBING	Sealed Concrete _____	ROOM DESCRIPTION
Laboratory Gas (LG) <input checked="" type="checkbox"/>	Terrazzo _____	
Laboratory Vacuum (LV) <input checked="" type="checkbox"/>	Tile _____	
Laboratory Air (LA) <input checked="" type="checkbox"/>	Other _____	
Compressed Air, 100 psi (A) _____	Base _____	
Industrial Hot Water (IHW) <input checked="" type="checkbox"/>	4" Vinyl <input checked="" type="checkbox"/>	
Industrial Cold Water (ICW) <input checked="" type="checkbox"/>	Carpet _____	
Potable Hot Water (HW) _____	Integral w/floor _____	
Potable Cold Water (CW) _____	Terrazzo _____	
Purified Water (PW) <input checked="" type="checkbox"/>	Tile _____	
Chilled Water (CHW S/R) _____	Other _____	
Steam _____	Partitions _____	REMARKS
Condensate Return _____	Gyp Board, Epoxy Paint _____	B. 6' CFH @ 800cfm
Carbon Dioxide (CO ₂) _____	Gyp Board, Paint <input checked="" type="checkbox"/>	4. 9 AC/H – Max
Nitrogen Gas (N ₂) _____	Other _____	5. (2) Sinks @ perimeter
Cylinder Gases _____	Ceiling _____	6. Space to incorporate a separate room for 6 balance stations
Inert _____	Open _____	
Flammable _____	Acoustical Tile <input checked="" type="checkbox"/>	
Toxic _____	Gyp Board, Epoxy Paint _____	
Floor Drain (FD) _____	Height <u>9'-0" min.</u>	
Floor Sink (FS) _____	Doors _____	
Safety Shower/Eyewash (SS) <input checked="" type="checkbox"/>	3'-6" x 7' _____	
Drench Hose (DH) <input checked="" type="checkbox"/>	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door _____	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 4S3
 Room Name: General Chemistry II Prep/Balance
 Unit: Chemistry Department

Occupancy:
 Room Size: 640 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive @ Balance Rm
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s)
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- C. 6' CFH @ 800cfm
7. 9 AC/H – Max
8. (2) Sinks @ perimeter
9. Space to incorporate a separate room for 6 balance stations

Appendix A: Room Data Sheets

Room ID No.: 4S4
 Room Name: Biochemistry Prep/Equipment
 Unit: Chemistry Department

Occupancy:
 Room Size: 640 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) ●
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood A.	Bases ●	Recycling _____
Radioisotope Hood _____	Acids ●	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents ●	Refrigerator _____
Biological Safety Cabinet A.	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage ●	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing _____	Welded Seam Sheet Vinyl ●	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl ●	
Industrial Hot Water (IHW) ●	Carpet _____	
Industrial Cold Water (ICW) ●	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) ●	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	REMARKS
Condensate Return _____	Gyp Board, Paint ●	A. 8' CFH comb @ 950cfm, 4' BSC rec
Carbon Dioxide (CO ₂) _____	Other _____	1. 10 AC/H – Max
Nitrogen Gas (N ₂) ●	Ceiling _____	2. (2) Sinks @ perimeter
Cylinder Gases _____	Open _____	3. (2) Under counter Washers
Inert _____	Acoustical Tile ●	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height 9'-0" min.	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) ●	3'-0" x 7' ●	
Drench Hose (DH) ●	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 4S5

Occupancy:

Room Name: Organic Chemistry Majors Prep/Equipment

Room Size: 640 ASF

Unit: Chemistry Department

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one _____	DVD or Bluray Player _____
14 hours/day ● _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power one _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data ● _____	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk ● _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases ●	Movable Chairs ●
68°-75° ± 2°F ● _____	Acids ●	Task Chair(s) _____
Other _____	Solvents ●	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled ● _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage ●	Movable Table(s) _____
Minimum Air Changes/Hr. 6 _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative ● _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood A. _____	Floor	Bulletin Board ●
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl ●	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet _____	Laboratory Workstations ●
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) _____
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min. _____	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive @ Balance Rm ●		A. 6' CFH @ 800cfm
Light Sensitive _____		1. 9 AC/H – Max
Vibration Producing _____		2. (2) Sinks @ perimeter
Heat Producing _____		3. Space to incorporate a separate room for 6 balance stations
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) ●		
Laboratory Vacuum (LV) ●		
Laboratory Air (LA) ●		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) ●		
Industrial Cold Water (ICW) ●		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) ●		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) ●		
Drench Hose (DH) ●		

Appendix A: Room Data Sheets

Room ID No.: 4S6
 Room Name: Analytical Chemistry Prep/Balance
 Unit: Chemistry Department

Occupancy:
 Room Size: 640 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive @ Balance Rm
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 6' CFH @ 800cfm
- 1. 9 AC/h – Max
- 2. (2) Sinks @ perimeter
- 3. Space to incorporate a separate room for 6 balance stations

Appendix A: Room Data Sheets

Room ID No.: 4S7
 Room Name: Instrumental/Physical Chem. Prep/Balance
 Unit: Chemistry Department
 Occupancy:
 Room Size: 640 ASF

UTILIZATION

Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	6
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS

Chemical Fume Hood	A.
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT

Vibration Sensitive @ Balance Rm	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	●
Flammable	
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	●
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	one
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	
75 fc at bench/desk	●
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	
Other	

CHEMICALS

Bases	●
Acids	●
Solvents	●
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	●
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY

Computer	
DVD or Bluray Player	
Document Camera	
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	
Projection Screen(s)	
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	
Clock	
Pencil Sharpener	
Teaching Podium	
Laboratory Workstations	●
Coat Hook(s)	

ROOM DESCRIPTION

REMARKS

- A. 4' CFH @ 500cfm
- 1. (2) Sinks @ perimeter
- 2. Space to incorporate a separate room for 6 balance stations

Appendix A: Room Data Sheets

Room ID No.: 4S8
 Room Name: NMR
 Unit: Chemistry Department

Occupancy:
 Room Size: 480

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A)
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R)
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) A.
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD)
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 10'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. LN2 cylinder
- 1. One sink @ perimeter
- 2. O2 sensor

Appendix A: Room Data Sheets

Room ID No.: 4S9
 Room Name: Stock Dispensing
 Unit: Chemistry Department

Occupancy:
 Room Size: 960 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer _____
8 hours/day _____	208V, 30A, 1 Phase <input type="checkbox"/> one	DVD or Bluray Player _____
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power <input type="checkbox"/> one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F <input checked="" type="checkbox"/>	Phone _____	Overhead Projector _____
Other _____	Data <input checked="" type="checkbox"/>	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled <input checked="" type="checkbox"/>	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. <input type="checkbox"/> 6	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk <input checked="" type="checkbox"/>	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative <input checked="" type="checkbox"/>	Special Lighting _____	Movable Chairs <input checked="" type="checkbox"/>
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) <input checked="" type="checkbox"/>
Additional Exhaust Air Filtration _____	Zoned Lighting <input checked="" type="checkbox"/>	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood <input type="checkbox"/> A.	Bases <input checked="" type="checkbox"/>	Movable Table(s) _____
Radioisotope Hood _____	Acids <input checked="" type="checkbox"/>	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents <input checked="" type="checkbox"/>	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage <input checked="" type="checkbox"/>	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage <input checked="" type="checkbox"/>	Bulletin Board <input checked="" type="checkbox"/>
LABORATORY EQUIPMENT	ARCHITECTURAL	Marker Board _____
Vibration Sensitive <input checked="" type="checkbox"/>	Floor _____	Clock _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Pencil Sharpener _____
Vibration Producing _____	VCT _____	Teaching Podium _____
Heat Producing _____	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	Laboratory Workstations <input checked="" type="checkbox"/>
Noise Producing _____	Epoxy _____	Coat Hook(s) _____
PLUMBING	Carpet _____	ROOM DESCRIPTION
Laboratory Gas (LG) <input checked="" type="checkbox"/>	Sealed Concrete _____	
Laboratory Vacuum (LV) <input checked="" type="checkbox"/>	Terrazzo _____	
Laboratory Air (LA) <input checked="" type="checkbox"/>	Tile _____	
Compressed Air, 100 psi (A) _____	Other _____	
Industrial Hot Water (IHW) <input checked="" type="checkbox"/>	Base _____	
Industrial Cold Water (ICW) <input checked="" type="checkbox"/>	4" Vinyl <input checked="" type="checkbox"/>	
Potable Hot Water (HW) _____	Carpet _____	
Potable Cold Water (CW) _____	Integral w/floor _____	
Purified Water (PW) <input checked="" type="checkbox"/>	Terrazzo _____	
Chilled Water (CHW S/R) _____	Tile _____	
Steam _____	Other _____	
Condensate Return _____	Partitions _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Epoxy Paint _____	
Nitrogen Gas (N ₂) _____	Gyp Board, Paint <input checked="" type="checkbox"/>	
Cylinder Gases _____	Other _____	
Inert _____	Ceiling _____	
Flammable _____	Open _____	
Toxic _____	Acoustical Tile <input checked="" type="checkbox"/>	
Floor Drain (FD) _____	Gyp Board, Epoxy Paint _____	
Floor Sink (FS) _____	Height <input type="checkbox"/> 9'-0" min.	
Safety Shower/Eyewash (SS) <input checked="" type="checkbox"/>	Doors _____	
Drench Hose (DH) <input checked="" type="checkbox"/>	3'-6" x 7' _____	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door _____	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight _____	

- REMARKS**
- A. (2) 6' CFH's comb @ 670cfm each
 - 1. 10 AC/H – Max
 - 2. Low exhaust in Flammable Room
 - 3. (2) Sinks @ perimeter
 - 4. Space for 3 balance stations.

Appendix A: Room Data Sheets

Room ID No.: 4S10
 Room Name: Flammable Storage
 Unit: Chemistry Department

Occupancy:
 Room Size: 320 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 4T
 Room Name: Chemical Analysis Computer Lab
 Unit: Chemistry Department
 Occupancy: 24
 Room Size: 840 ASF

UTILIZATION

Hours of Use
 8 hours/day ●
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel ●
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust ●
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) ●
 Industrial Hot Water (IHW) ●
 Industrial Cold Water (ICW) ●
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) ●
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases ●
 Inert ●
 Flammable ●
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase ●
 208V, 30A, 1 Phase ●
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ●
 Data ●
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases ●
 Acids ●
 Solvents ●
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage ●

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) ●
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ●
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board ●
 Clock ●
 Pencil Sharpener ●
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 4V1.1-4 Occupancy: 1
 Room Name: Faculty/Student Research - Biochemistry Room Size: 400 ASF x 4
 Unit: Chemistry Department

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk ●	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk _____	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs _____
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) _____
	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood A.	Bases _____	Recycling _____
Radioisotope Hood _____	Acids ●	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents ●	Refrigerator _____
Biological Safety Cabinet B.	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage ●	Bulletin Board _____
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl ●	
Industrial Hot Water (IHW) ●	Carpet _____	
Industrial Cold Water (ICW) ●	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint ●	
Carbon Dioxide (CO ₂) _____	Other _____	
Nitrogen Gas (N ₂) ●	Ceiling _____	
Cylinder Gases _____	Open _____	
Inert ●	Acoustical Tile ●	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height 9'-0" min.	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) ●	3'-0" x 7' ●	
Drench Hose (DH) ●	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		A. 6' CFH @ 800 cfm /ea 800 sf space
		B. 4' BSC recir each 400 sf space
		1. 7 AC/H – Max
		2. 1 perimeter sink / 400 sf space

Appendix A: Room Data Sheets

Room ID No.: 4V2.1-6
 Room Name: Faculty/Student Research - Synthesis
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 400 ASF x 6 (3 pairs @ 800 each)

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase 1/Pr	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power 1/Pr	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 6	100 fc at bench/desk ●	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk _____	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs _____
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood A.	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids ●	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents ●	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other B.	Chemical Storage ●	Bulletin Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Marker Board _____
Vibration Sensitive _____	Floor _____	Clock _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Pencil Sharpener _____
Vibration Producing _____	VCT _____	Teaching Podium _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Laboratory Workstations _____
Noise Producing _____	Epoxy _____	Coat Hook(s) _____
PLUMBING	Carpet _____	ROOM DESCRIPTION
Laboratory Gas (LG) ●	Sealed Concrete _____	
Laboratory Vacuum (LV) ●	Terrazzo _____	
Laboratory Air (LA) ●	Tile _____	
Compressed Air, 100 psi (A) _____	Other _____	
Industrial Hot Water (IHW) ●	Base _____	
Industrial Cold Water (ICW) ●	4" Vinyl ●	
Potable Hot Water (HW) _____	Carpet _____	
Potable Cold Water (CW) _____	Integral w/floor _____	
Purified Water (PW) ●	Terrazzo _____	
Chilled Water (CHW S/R) ●	Tile _____	
Steam _____	Other _____	
Condensate Return _____	Partitions _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Epoxy Paint _____	REMARKS
Nitrogen Gas (N ₂) ●	Gyp Board, Paint ●	A. (2) 8" CFH's comb w/ dist racks @ 950 cfm each for ea 400 sf space
Cylinder Gases _____	Other _____	B. (1) Glove box @ 150 cfm for each 800 sf space
Inert ●	Ceiling _____	1. 40 AC/H – Max
Flammable _____	Open _____	2. 2 perimeter sinks / 400 sf space
Toxic _____	Acoustical Tile ●	
Floor Drain (FD) _____	Gyp Board, Epoxy Paint _____	
Floor Sink (FS) _____	Height 9'-0" min.	
Safety Shower/Eyewash (SS) ●	Doors _____	
Drench Hose (DH) ●	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 4V3.1-3 Occupancy: 1
 Room Name: Faculty/Student Research - Analytical Room Size: 400 ASF x 3
 Unit: Chemistry Department

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">●_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	●_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	●_____	Other	_____	Humidity	_____	Uncontrolled	●_____	Other	_____	Minimum Air Changes/Hr.	6_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	●_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	A. _____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	●_____	Laboratory Vacuum (LV)	●_____	Laboratory Air (LA)	●_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	●_____	Industrial Cold Water (ICW)	●_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	●_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	●_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	●_____	Drench Hose (DH)	●_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	●_____	208V, 30A, 1 Phase	1/Pr_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	1/Pr_____	UPS (OFOI)	_____	Phone	_____	Data	●_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	●_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	●_____	Other	_____	CHEMICALS		Bases	_____	Acids	●_____	Solvents	●_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	●_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	●_____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	●_____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●_____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●_____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	●_____	1'-6" x 7'	●_____	Light Tight Rotating Door	_____	Vision Panel	●_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">REMARKS</th> </tr> <tr> <td style="padding: 2px;">A.</td> <td style="padding: 2px;">4' CFH @ 500 cfm /ea 400 sf space</td> </tr> <tr> <td style="padding: 2px;">1.</td> <td style="padding: 2px;">8 AC/H – Max</td> </tr> <tr> <td style="padding: 2px;">2.</td> <td style="padding: 2px;">2 perimeter sinks / 400 sf space</td> </tr> </table>	TECHNOLOGY		Computer	_____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	_____	Movable Desks	_____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	_____	ROOM DESCRIPTION				REMARKS		A.	4' CFH @ 500 cfm /ea 400 sf space	1.	8 AC/H – Max	2.	2 perimeter sinks / 400 sf space
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Appendix A: Room Data Sheets

Room ID No.: 4V4 Occupancy: 1
 Room Name: Faculty/Student Research – Chemistry Ed. Room Size: 400 ASF (comb w/ 1 Analytical for 800 space)
 Unit: Chemistry Department

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color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">● _____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	6 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	A. _____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	● _____	Laboratory Vacuum (LV)	● _____	Laboratory Air (LA)	● _____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	● _____	Industrial Cold Water (ICW)	● _____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	● _____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	● _____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	● _____	Drench Hose (DH)	● _____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; 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Appendix A: Room Data Sheets

Room ID No.: 4V5.1-2 Occupancy: 1
 Room Name: Faculty/Student Research – Phys./Instrum. Room Size: 400 ASF x 2 (pair up for one 800 space)
 Unit: Chemistry Department

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day <input type="checkbox"/>	208V, 30A, 1 Phase <input type="checkbox"/> 1/Pr	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input checked="" type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
MECHANICAL		
Temperature	Emergency Power <input type="checkbox"/> 1/Pr	Lighting <input type="checkbox"/>
68°-75° ± 2°F <input checked="" type="checkbox"/>	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
Other <input type="checkbox"/>	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
Humidity	Data <input checked="" type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
Other <input type="checkbox"/>	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/> 6	Lighting Level <input type="checkbox"/>	Digital Signage <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	100 fc at bench/desk <input checked="" type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
Air Pressure Positive <input type="checkbox"/>	75 fc at bench/desk <input type="checkbox"/>	
Air Pressure Negative <input checked="" type="checkbox"/>	Safe Light <input type="checkbox"/>	MOVABLE EQUIPMENT
Additional Supply Air Filtration <input type="checkbox"/>	Special Lighting <input type="checkbox"/>	Movable Chairs <input type="checkbox"/>
Additional Exhaust Air Filtration <input type="checkbox"/>	Darkenable <input type="checkbox"/>	Task Chair(s) <input type="checkbox"/>
	Zoned Lighting <input checked="" type="checkbox"/>	Movable Desks <input type="checkbox"/>
	Other <input type="checkbox"/>	Movable Laboratory Stations <input type="checkbox"/>
		Lounge Seating <input type="checkbox"/>
		Movable Table(s) <input type="checkbox"/>
		Recycling <input type="checkbox"/>
		Bookshelves <input type="checkbox"/>
		Refrigerator <input type="checkbox"/>
		Microwave <input type="checkbox"/>
		Coffemaker <input type="checkbox"/>
		Copier/Scanner/Printer <input type="checkbox"/>
HOODS	CHEMICALS	FIXED EQUIPMENT
Chemical Fume Hood <input type="checkbox"/> A.	Bases <input type="checkbox"/>	Bulletin Board <input type="checkbox"/>
Radioisotope Hood <input type="checkbox"/>	Acids <input checked="" type="checkbox"/>	Marker Board <input type="checkbox"/>
Horizontal Laminar Flow Hood <input type="checkbox"/>	Solvents <input checked="" type="checkbox"/>	Clock <input type="checkbox"/>
Biological Safety Cabinet <input type="checkbox"/> B.	Radioisotopes <input type="checkbox"/>	Pencil Sharpener <input type="checkbox"/>
Snorkel <input type="checkbox"/>	Carcinogens/Regulated <input type="checkbox"/>	Teaching Podium <input type="checkbox"/>
Canopy Hood <input type="checkbox"/>	Chemical Waste Storage <input type="checkbox"/>	Laboratory Workstations <input type="checkbox"/>
Low Slotted Exhaust <input type="checkbox"/>	Biological Storage <input type="checkbox"/>	Coat Hook(s) <input type="checkbox"/>
Equipment Exhaust <input type="checkbox"/>	Radioisotope Storage <input type="checkbox"/>	
Other <input type="checkbox"/>	Chemical Storage <input checked="" type="checkbox"/>	ROOM DESCRIPTION
LABORATORY EQUIPMENT	ARCHITECTURAL	REMARKS
Vibration Sensitive <input type="checkbox"/>	Floor <input type="checkbox"/>	A. 4' CFH @ 500 cfm /ea 400 sf space
Light Sensitive <input type="checkbox"/>	VCT (Chemical Resistant) <input type="checkbox"/>	B. 4' BSC recir each 800 sf space
Vibration Producing <input type="checkbox"/>	VCT <input type="checkbox"/>	1. 8 AC/H – Max
Heat Producing <input type="checkbox"/>	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	2. 1 perimeter sink / 400 sf space
Noise Producing <input type="checkbox"/>	Epoxy <input type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Sealed Concrete <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Base <input type="checkbox"/>	
	4" Vinyl <input checked="" type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Integral w/floor <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Partitions <input type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Gyp Board, Paint <input checked="" type="checkbox"/>	
	Other <input type="checkbox"/>	
	Ceiling <input type="checkbox"/>	
	Open <input type="checkbox"/>	
	Acoustical Tile <input checked="" type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Height <input type="checkbox"/> 9'-0" min.	
	Doors <input type="checkbox"/>	
	3'-6" x 7' <input type="checkbox"/>	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door <input type="checkbox"/>	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input type="checkbox"/>	

Appendix A: Room Data Sheets

Room ID No.: 4W
 Room Name: Faculty/Student Research (computational)
 Unit: Chemistry Department

Occupancy: 1
 Room Size: 200 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	_____	Computer	_____
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
MECHANICAL		Emergency Power	_____	Lighting	_____
Temperature		UPS (OFOI)	_____	Audio/Visual	_____
68°-75° ± 2°F	_____	Phone	_____	Overhead Projector	_____
Other	_____	Data	_____	Projection Screen(s)	_____
Humidity		In Use Light	_____	Lecture Capture	_____
Uncontrolled	_____	Task Lighting	_____	Flat Panel Monitor	_____
Other	_____	Lighting Level		Digital Signage	_____
Minimum Air Changes/Hr.	_____	100 fc at bench/desk	_____	SMART Board Technology	_____
Air Recirculation	_____	75 fc at bench/desk	_____		
Air Pressure Positive	_____	Safe Light	_____	MOVABLE EQUIPMENT	
Air Pressure Negative	_____	Special Lighting	_____	Movable Chairs	_____
Additional Supply Air Filtration	_____	Darkenable	_____	Task Chair(s)	_____
Additional Exhaust Air Filtration	_____	Zoned Lighting	_____	Movable Desks	_____
		Other	_____	Movable Laboratory Stations	_____
HOODS		CHEMICALS		Lounge Seating	_____
Chemical Fume Hood	_____	Bases	_____	Movable Table(s)	_____
Radioisotope Hood	_____	Acids	_____	Recycling	_____
Horizontal Laminar Flow Hood	_____	Solvents	_____	Bookshelves	_____
Biological Safety Cabinet	_____	Radioisotopes	_____	Refrigerator	_____
Snorkel	_____	Carcinogens/Regulated	_____	Microwave	_____
Canopy Hood	_____	Chemical Waste Storage	_____	Coffeemaker	_____
Low Slotted Exhaust	_____	Biological Storage	_____	Copier/Scanner/Printer	_____
Equipment Exhaust	_____	Radioisotope Storage	_____		
Other	_____	Chemical Storage	_____	FIXED EQUIPMENT	
LABORATORY EQUIPMENT		ARCHITECTURAL		Bulletin Board	_____
Vibration Sensitive	_____	Floor		Marker Board	_____
Light Sensitive	_____	VCT (Chemical Resistant)	_____	Clock	_____
Vibration Producing	_____	VCT	_____	Pencil Sharpener	_____
Heat Producing	_____	Welded Seam Sheet Vinyl	_____	Teaching Podium	_____
Noise Producing	_____	Epoxy	_____	Laboratory Workstations	_____
		Carpet	_____	Coat Hook(s)	_____
PLUMBING		Sealed Concrete	_____	ROOM DESCRIPTION	
Laboratory Gas (LG)	_____	Terrazzo	_____		
Laboratory Vacuum (LV)	_____	Tile	_____		
Laboratory Air (LV)	_____	Other	_____		
Compressed Air, 100 psi (A)	_____	Base			
Industrial Hot Water (IHW)	_____	4" Vinyl	_____		
Industrial Cold Water (ICW)	_____	Carpet	_____		
Potable Hot Water (HW)	_____	Integral w/floor	_____		
Potable Cold Water (CW)	_____	Terrazzo	_____		
Purified Water (PW)	_____	Tile	_____		
Chilled Water (CHW S/R)	_____	Other	_____		
Steam	_____	Partitions			
Condensate Return	_____	Gyp Board, Epoxy Paint	_____		
Carbon Dioxide (CO ₂)	_____	Gyp Board, Paint	_____	REMARKS	
Nitrogen Gas (N ₂)	_____	Other	_____		
Cylinder Gases		Ceiling			
Inert	_____	Open	_____		
Flammable	_____	Acoustical Tile	_____		
Toxic	_____	Gyp Board, Epoxy Paint	_____		
Floor Drain (FD)	_____	Height	_____		
Floor Sink (FS)	_____	Doors			
Safety Shower/Eyewash (SS)	_____	3'-6" x 7'	_____		
Drench Hose (DH)	_____	3'-0" x 7'	_____		
		1'-6" x 7'	_____		
		Light Tight Rotating Door	_____		
		Vision Panel	_____		
		Natural Daylight	_____		

Appendix A: Room Data Sheets

Room ID No.: 4X.1-3
 Room Name: General Lab/Departmental Storage
 Unit: Chemistry Department

Occupancy:
 Room Size: 120 ASF x 3

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">4 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	4 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">4" Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Height</td> <td style="padding: 2px;">9'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">1'-6" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	● _____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	● _____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	● _____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	● _____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	● _____	Light Tight Rotating Door	_____	Vision Panel	● _____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">TECHNOLOGY</th> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MOVABLE EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Movable Chairs</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Task Chair(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Movable Desks</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Movable Laboratory Stations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lounge Seating</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Movable Table(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Recycling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Bookshelves</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Refrigerator</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Microwave</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coffeemaker</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Copier/Scanner/Printer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 5A
 Room Name: Department Chair's Office
 Unit: Geography & Earth Science

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">● _____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	● _____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">TECHNOLOGY</td> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MOVABLE EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Movable Chairs</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Task Chair(s)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Movable Desks</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Movable Laboratory Stations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lounge Seating</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Movable Table(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Recycling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Bookshelves</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Refrigerator</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Microwave</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coffeemaker</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Copier/Scanner/Printer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">FIXED EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ROOM DESCRIPTION</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">REMARKS</td> </tr> </table>	TECHNOLOGY		Computer	● _____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	● _____	Task Chair(s)	● _____	Movable Desks	● _____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	● _____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	● _____	ROOM DESCRIPTION		REMARKS	
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Appendix A: Room Data Sheets

Room ID No.: 5B.1-7
 Room Name: Ranked Faculty Office
 Unit: Geography & Earth Science

Occupancy: 1
 Room Size: 120 ASF x 7

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ELECTRICAL</th> </tr> <tr> <td style="padding: 2px;">110V, 20A, 1 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 1 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">480V, 100A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Isolated Ground Outlet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Emergency Power</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">UPS (OFOI)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Phone</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Data</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">In Use Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Task Lighting</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Lighting Level</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 100 fc at bench/desk</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 75 fc at bench/desk</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safe Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Special Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Darkenable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Zoned Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">● _____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	● _____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">TECHNOLOGY</th> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MOVABLE EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Movable Chairs</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Task Chair(s)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Movable Desks</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Movable Laboratory Stations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lounge Seating</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Movable Table(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Recycling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Bookshelves</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Refrigerator</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Microwave</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coffeemaker</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Copier/Scanner/Printer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">REMARKS</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table>	TECHNOLOGY		Computer	● _____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	● _____	Task Chair(s)	● _____	Movable Desks	● _____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	● _____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	● _____	ROOM DESCRIPTION				REMARKS			
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Appendix A: Room Data Sheets

Room ID No.: 5D
 Room Name: Lab Support Staff
 Unit: Geography & Earth Science

Occupancy: 1
 Room Size: 120 ASF

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<td>_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2">ELECTRICAL</td> </tr> <tr> <td>110V, 20A, 1 Phase</td> <td>_____</td> </tr> <tr> <td>208V, 30A, 1 Phase</td> <td>_____</td> </tr> <tr> <td>208V, 30A, 3 Phase</td> <td>_____</td> </tr> <tr> <td>480V, 100A, 3 Phase</td> <td>_____</td> </tr> <tr> <td>Isolated Ground Outlet</td> <td>_____</td> </tr> <tr> <td>Emergency Power</td> <td>_____</td> </tr> <tr> <td>UPS (OFOI)</td> <td>_____</td> </tr> <tr> <td>Phone</td> <td>●</td> </tr> <tr> <td>Data</td> <td>●</td> </tr> <tr> <td>In Use Light</td> <td>_____</td> </tr> <tr> <td>Task Lighting</td> <td>●</td> </tr> <tr> <td>Lighting Level</td> <td>_____</td> </tr> 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Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	●	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	●	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	●	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2">TECHNOLOGY</td> </tr> <tr> <td>Computer</td> <td>●</td> </tr> <tr> <td>DVD or Bluray Player</td> <td>_____</td> </tr> <tr> <td>Document Camera</td> <td>_____</td> </tr> <tr> <td>Audio System</td> <td>_____</td> </tr> <tr> <td>Touch-Screen Controls</td> <td>_____</td> </tr> <tr> <td> Lighting</td> <td>_____</td> </tr> <tr> <td> Audio/Visual</td> <td>_____</td> </tr> <tr> <td>Overhead Projector</td> <td>_____</td> </tr> <tr> <td>Projection Screen(s)</td> <td>_____</td> </tr> <tr> <td>Lecture Capture</td> <td>_____</td> </tr> <tr> <td>Flat Panel Monitor</td> <td>_____</td> </tr> <tr> <td>Digital Signage</td> <td>_____</td> </tr> <tr> <td>SMART Board Technology</td> <td>_____</td> </tr> <tr> <td colspan="2">MOVABLE EQUIPMENT</td> </tr> <tr> <td>Movable Chairs</td> <td>●</td> </tr> <tr> <td>Task Chair(s)</td> <td>●</td> </tr> <tr> <td>Movable Desks</td> <td>●</td> </tr> <tr> <td>Movable Laboratory Stations</td> <td>_____</td> </tr> <tr> <td>Lounge Seating</td> <td>_____</td> </tr> <tr> <td>Movable Table(s)</td> <td>_____</td> </tr> <tr> <td>Recycling</td> <td>_____</td> </tr> <tr> <td>Bookshelves</td> <td>●</td> </tr> <tr> <td>Refrigerator</td> <td>_____</td> </tr> <tr> <td>Microwave</td> <td>_____</td> </tr> <tr> <td>Coffeemaker</td> <td>_____</td> </tr> <tr> <td>Copier/Scanner/Printer</td> <td>_____</td> </tr> <tr> <td colspan="2">FIXED EQUIPMENT</td> </tr> <tr> <td>Bulletin Board</td> <td>_____</td> </tr> <tr> <td>Marker Board</td> <td>_____</td> </tr> <tr> <td>Clock</td> <td>_____</td> </tr> <tr> <td>Pencil Sharpener</td> <td>_____</td> </tr> <tr> <td>Teaching Podium</td> <td>_____</td> </tr> <tr> <td>Laboratory Workstations</td> <td>_____</td> </tr> <tr> <td>Coat Hook(s)</td> <td>●</td> </tr> <tr> <td colspan="2">ROOM DESCRIPTION</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2">REMARKS</td> </tr> <tr> <td colspan="2"> </td> </tr> </table>	TECHNOLOGY		Computer	●	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	●	Task Chair(s)	●	Movable Desks	●	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	●	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	●	ROOM DESCRIPTION				REMARKS			
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Appendix A: Room Data Sheets

Room ID No.: 5E
 Room Name: Support Staff/Reception Area/Files
 Unit: Geography & Earth Science

Occupancy: 6
 Room Size: 248 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 5F
 Room Name: Office Storage
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr><td>Hours of Use</td><td>_____</td></tr> <tr><td>8 hours/day</td><td>_____</td></tr> <tr><td>14 hours/day</td><td>_____</td></tr> <tr><td>24 hours/day</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr><td>Temperature</td><td>_____</td></tr> <tr><td>68°-75° ± 2°F</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Humidity</td><td>_____</td></tr> <tr><td>Uncontrolled</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td>_____</td></tr> <tr><td>Air Recirculation</td><td>_____</td></tr> <tr><td>Air Pressure Positive</td><td>_____</td></tr> <tr><td>Air Pressure Negative</td><td>_____</td></tr> <tr><td>Additional Supply Air Filtration</td><td>_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr><td>Chemical Fume Hood</td><td>_____</td></tr> <tr><td>Radioisotope Hood</td><td>_____</td></tr> <tr><td>Horizontal Laminar Flow Hood</td><td>_____</td></tr> <tr><td>Biological Safety Cabinet</td><td>_____</td></tr> <tr><td>Snorkel</td><td>_____</td></tr> <tr><td>Canopy Hood</td><td>_____</td></tr> <tr><td>Low Slotted Exhaust</td><td>_____</td></tr> <tr><td>Equipment Exhaust</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr><td>Vibration Sensitive</td><td>_____</td></tr> <tr><td>Light Sensitive</td><td>_____</td></tr> <tr><td>Vibration Producing</td><td>_____</td></tr> <tr><td>Heat Producing</td><td>_____</td></tr> <tr><td>Noise Producing</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr><td>Laboratory Gas (LG)</td><td>_____</td></tr> <tr><td>Laboratory Vacuum (LV)</td><td>_____</td></tr> <tr><td>Laboratory Air (LV)</td><td>_____</td></tr> <tr><td>Compressed Air, 100 psi (A)</td><td>_____</td></tr> <tr><td>Industrial Hot Water (IHW)</td><td>_____</td></tr> <tr><td>Industrial Cold Water (ICW)</td><td>_____</td></tr> <tr><td>Potable Hot Water (HW)</td><td>_____</td></tr> <tr><td>Potable Cold Water (CW)</td><td>_____</td></tr> <tr><td>Purified Water (PW)</td><td>_____</td></tr> <tr><td>Chilled Water (CHW S/R)</td><td>_____</td></tr> <tr><td>Steam</td><td>_____</td></tr> <tr><td>Condensate Return</td><td>_____</td></tr> <tr><td>Carbon Dioxide (CO₂)</td><td>_____</td></tr> <tr><td>Nitrogen Gas (N₂)</td><td>_____</td></tr> <tr><td>Cylinder Gases</td><td>_____</td></tr> <tr><td> Inert</td><td>_____</td></tr> <tr><td> Flammable</td><td>_____</td></tr> <tr><td> Toxic</td><td>_____</td></tr> <tr><td>Floor Drain (FD)</td><td>_____</td></tr> <tr><td>Floor Sink (FS)</td><td>_____</td></tr> <tr><td>Safety Shower/Eyewash (SS)</td><td>_____</td></tr> <tr><td>Drench Hose (DH)</td><td>_____</td></tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr><td>Bases</td><td>_____</td></tr> <tr><td>Acids</td><td>_____</td></tr> <tr><td>Solvents</td><td>_____</td></tr> <tr><td>Radioisotopes</td><td>_____</td></tr> <tr><td>Carcinogens/Regulated</td><td>_____</td></tr> <tr><td>Chemical Waste Storage</td><td>_____</td></tr> <tr><td>Biological Storage</td><td>_____</td></tr> <tr><td>Radioisotope Storage</td><td>_____</td></tr> <tr><td>Chemical Storage</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr><td>Floor</td><td>_____</td></tr> <tr><td>VCT (Chemical Resistant)</td><td>_____</td></tr> <tr><td>VCT</td><td>_____</td></tr> <tr><td>Welded Seam Sheet Vinyl</td><td>_____</td></tr> <tr><td>Epoxy</td><td>_____</td></tr> <tr><td>Carpet</td><td style="text-align: center;">●</td></tr> <tr><td>Sealed Concrete</td><td>_____</td></tr> <tr><td>Terrazzo</td><td>_____</td></tr> <tr><td>Tile</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Base</td><td>_____</td></tr> <tr><td>4" Vinyl</td><td>_____</td></tr> <tr><td>Carpet</td><td style="text-align: center;">●</td></tr> <tr><td>Integral w/floor</td><td>_____</td></tr> <tr><td>Terrazzo</td><td>_____</td></tr> <tr><td>Tile</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Partitions</td><td>_____</td></tr> <tr><td>Gyp Board, Epoxy Paint</td><td>_____</td></tr> <tr><td>Gyp Board, Paint</td><td style="text-align: center;">●</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Ceiling</td><td>_____</td></tr> <tr><td>Open</td><td>_____</td></tr> <tr><td>Acoustical Tile</td><td style="text-align: center;">●</td></tr> <tr><td>Gyp Board, Epoxy Paint</td><td>_____</td></tr> <tr><td>Height</td><td>9'-0" min.</td></tr> <tr><td>Doors</td><td>_____</td></tr> <tr><td>3'-6" x 7'</td><td>_____</td></tr> <tr><td>3'-0" x 7'</td><td style="text-align: center;">●</td></tr> <tr><td>1'-6" x 7'</td><td>_____</td></tr> <tr><td>Light Tight Rotating Door</td><td>_____</td></tr> <tr><td>Vision Panel</td><td>_____</td></tr> <tr><td>Natural Daylight</td><td>_____</td></tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	●	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	●	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	●	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">TECHNOLOGY</td> </tr> <tr><td>Computer</td><td>_____</td></tr> <tr><td>DVD or Bluray Player</td><td>_____</td></tr> <tr><td>Document Camera</td><td>_____</td></tr> <tr><td>Audio System</td><td>_____</td></tr> <tr><td>Touch-Screen Controls</td><td>_____</td></tr> <tr><td> Lighting</td><td>_____</td></tr> <tr><td> Audio/Visual</td><td>_____</td></tr> <tr><td>Overhead Projector</td><td>_____</td></tr> <tr><td>Projection Screen(s)</td><td>_____</td></tr> <tr><td>Lecture Capture</td><td>_____</td></tr> <tr><td>Flat Panel Monitor</td><td>_____</td></tr> <tr><td>Digital Signage</td><td>_____</td></tr> <tr><td>SMART Board Technology</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MOVABLE EQUIPMENT</td> </tr> <tr><td>Movable Chairs</td><td>_____</td></tr> <tr><td>Task Chair(s)</td><td>_____</td></tr> <tr><td>Movable Desks</td><td>_____</td></tr> <tr><td>Movable Laboratory Stations</td><td>_____</td></tr> <tr><td>Lounge Seating</td><td>_____</td></tr> <tr><td>Movable Table(s)</td><td>_____</td></tr> <tr><td>Recycling</td><td>_____</td></tr> <tr><td>Bookshelves</td><td>_____</td></tr> <tr><td>Refrigerator</td><td>_____</td></tr> <tr><td>Microwave</td><td>_____</td></tr> <tr><td>Coffeemaker</td><td>_____</td></tr> <tr><td>Copier/Scanner/Printer</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">FIXED EQUIPMENT</td> </tr> <tr><td>Bulletin Board</td><td>_____</td></tr> <tr><td>Marker Board</td><td>_____</td></tr> <tr><td>Clock</td><td>_____</td></tr> <tr><td>Pencil Sharpener</td><td>_____</td></tr> <tr><td>Teaching Podium</td><td>_____</td></tr> <tr><td>Laboratory Workstations</td><td>_____</td></tr> <tr><td>Coat Hook(s)</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ROOM DESCRIPTION</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">REMARKS</td> </tr> <tr><td>1. 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Appendix A: Room Data Sheets

Room ID No.: 5G
 Room Name: Workroom
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr><td>Hours of Use</td><td>_____</td></tr> <tr><td>8 hours/day</td><td>_____</td></tr> <tr><td>14 hours/day</td><td>_____</td></tr> <tr><td>24 hours/day</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr><td>Temperature</td><td>_____</td></tr> <tr><td>68°-75° ± 2°F</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Humidity</td><td>_____</td></tr> <tr><td>Uncontrolled</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td>_____</td></tr> <tr><td>Air Recirculation</td><td>_____</td></tr> <tr><td>Air Pressure Positive</td><td>_____</td></tr> <tr><td>Air Pressure Negative</td><td>_____</td></tr> <tr><td>Additional Supply Air Filtration</td><td>_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr><td>Chemical Fume Hood</td><td>_____</td></tr> <tr><td>Radioisotope Hood</td><td>_____</td></tr> <tr><td>Horizontal Laminar Flow Hood</td><td>_____</td></tr> <tr><td>Biological Safety Cabinet</td><td>_____</td></tr> <tr><td>Snorkel</td><td>_____</td></tr> <tr><td>Canopy Hood</td><td>_____</td></tr> <tr><td>Low Slotted Exhaust</td><td>_____</td></tr> <tr><td>Equipment Exhaust</td><td>_____</td></tr> <tr><td>Other</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr><td>Vibration Sensitive</td><td>_____</td></tr> <tr><td>Light Sensitive</td><td>_____</td></tr> <tr><td>Vibration Producing</td><td>_____</td></tr> <tr><td>Heat Producing</td><td>_____</td></tr> <tr><td>Noise Producing</td><td>_____</td></tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr><td>Laboratory Gas (LG)</td><td>_____</td></tr> <tr><td>Laboratory Vacuum (LV)</td><td>_____</td></tr> <tr><td>Laboratory Air (LV)</td><td>_____</td></tr> <tr><td>Compressed Air, 100 psi (A)</td><td>_____</td></tr> <tr><td>Industrial Hot Water (IHW)</td><td>_____</td></tr> <tr><td>Industrial Cold Water (ICW)</td><td>_____</td></tr> <tr><td>Potable Hot Water (HW)</td><td>_____</td></tr> <tr><td>Potable Cold Water (CW)</td><td>_____</td></tr> <tr><td>Purified Water (PW)</td><td>_____</td></tr> <tr><td>Chilled Water (CHW S/R)</td><td>_____</td></tr> <tr><td>Steam</td><td>_____</td></tr> <tr><td>Condensate Return</td><td>_____</td></tr> <tr><td>Carbon Dioxide (CO₂)</td><td>_____</td></tr> <tr><td>Nitrogen Gas (N₂)</td><td>_____</td></tr> <tr><td>Cylinder Gases</td><td>_____</td></tr> <tr><td> Inert</td><td>_____</td></tr> <tr><td> Flammable</td><td>_____</td></tr> <tr><td> Toxic</td><td>_____</td></tr> <tr><td>Floor Drain (FD)</td><td>_____</td></tr> <tr><td>Floor Sink (FS)</td><td>_____</td></tr> <tr><td>Safety Shower/Eyewash (SS)</td><td>_____</td></tr> <tr><td>Drench Hose (DH)</td><td>_____</td></tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 5H
 Room Name: Earth Science Laboratory
 Unit: Geography & Earth Science

Occupancy: 30
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	● _____
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	● _____
Other	_____
Humidity	
Uncontrolled	● _____
Other	_____
Minimum Air Changes/Hr.	6 _____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	● _____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A. _____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	● _____
Laboratory Vacuum (LV)	● _____
Laboratory Air (LA)	● _____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	● _____
Industrial Cold Water (ICW)	● _____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	● _____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	● _____
Drench Hose (DH)	● _____

ELECTRICAL

110V, 20A, 1 Phase	● _____
208V, 30A, 1 Phase	one _____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	one _____
UPS (OFOI)	_____
Phone	_____
Data	● _____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	● _____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	● _____
Other	_____

CHEMICALS

Bases	_____
Acids	● _____
Solvents	● _____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	● _____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	● _____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	● _____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	● _____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	● _____
Gyp Board, Epoxy Paint	_____
Height	9'-0" min. _____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	● _____
1'-6" x 7'	● _____
Light Tight Rotating Door	_____
Vision Panel	● _____
Natural Daylight	_____

TECHNOLOGY

Computer	● _____
DVD or Bluray Player	● _____
Document Camera	● _____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	● _____
Projection Screen(s)	● _____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	● _____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	● _____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	● _____
Marker Board	● _____
Clock	● _____
Pencil Sharpener	● _____
Teaching Podium	● _____
Laboratory Workstations	_____
Coat Hook(s)	● _____

ROOM DESCRIPTION

REMARKS

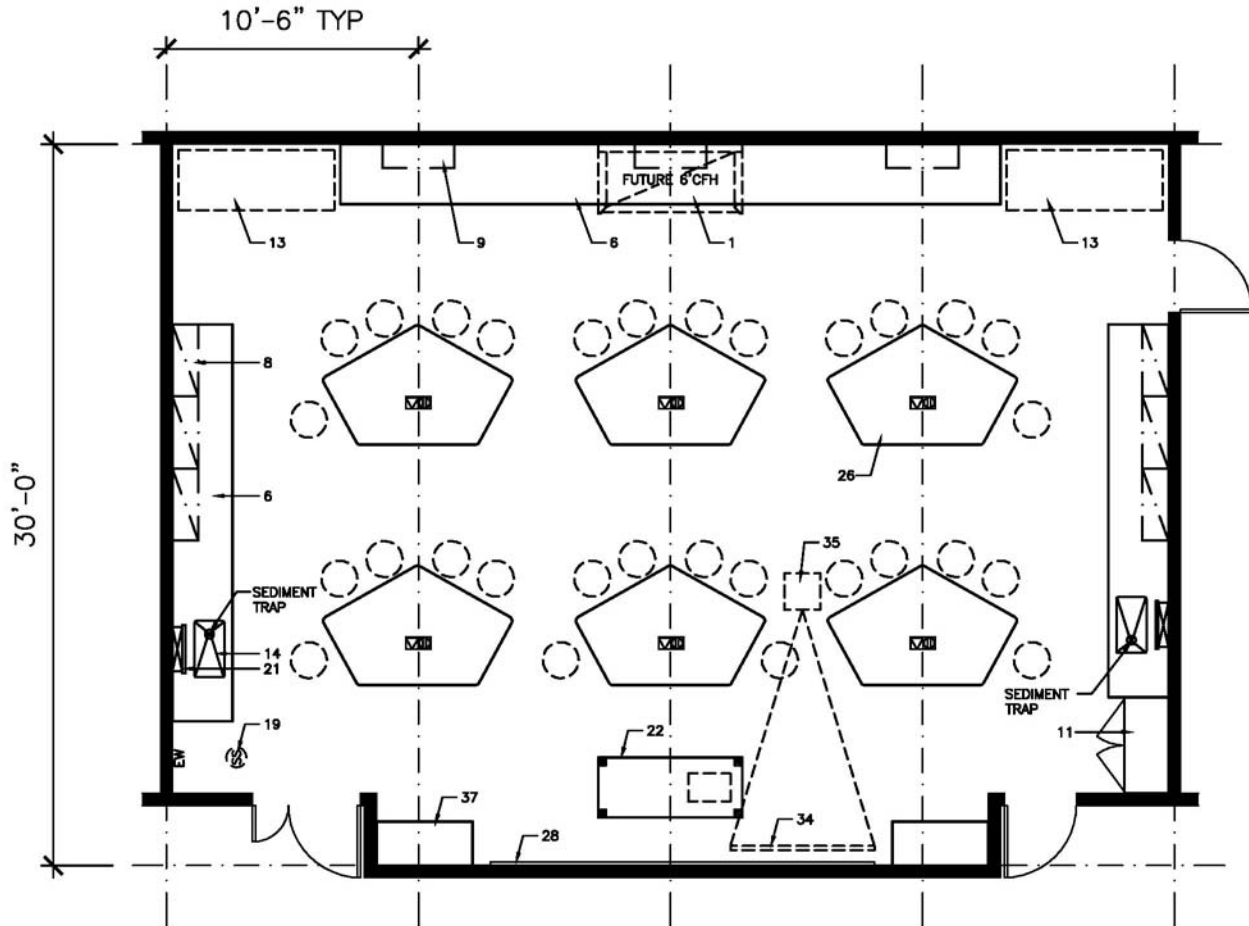
- A. 6' CFH @ 800cfm - future
- 1. (2) Sinks @ perimeter w/ sediment traps

Appendix A: Room Data Sheets

Room ID No.: 5H
 Room Name: Earth Science Laboratory
 Unit: Geography/Earth Science

Occupancy: 30
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 5I Occupancy: 30
 Room Name: Geomorphology & Weather Laboratory Room Size: 1,280 ASF
 Unit: Geography & Earth Science

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer
 DVD or Bluray Player
 Document Camera
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector
 Projection Screen(s)
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board
 Clock
 Pencil Sharpener
 Teaching Podium
 Laboratory Workstations _____
 Coat Hook(s)

ROOM DESCRIPTION

REMARKS

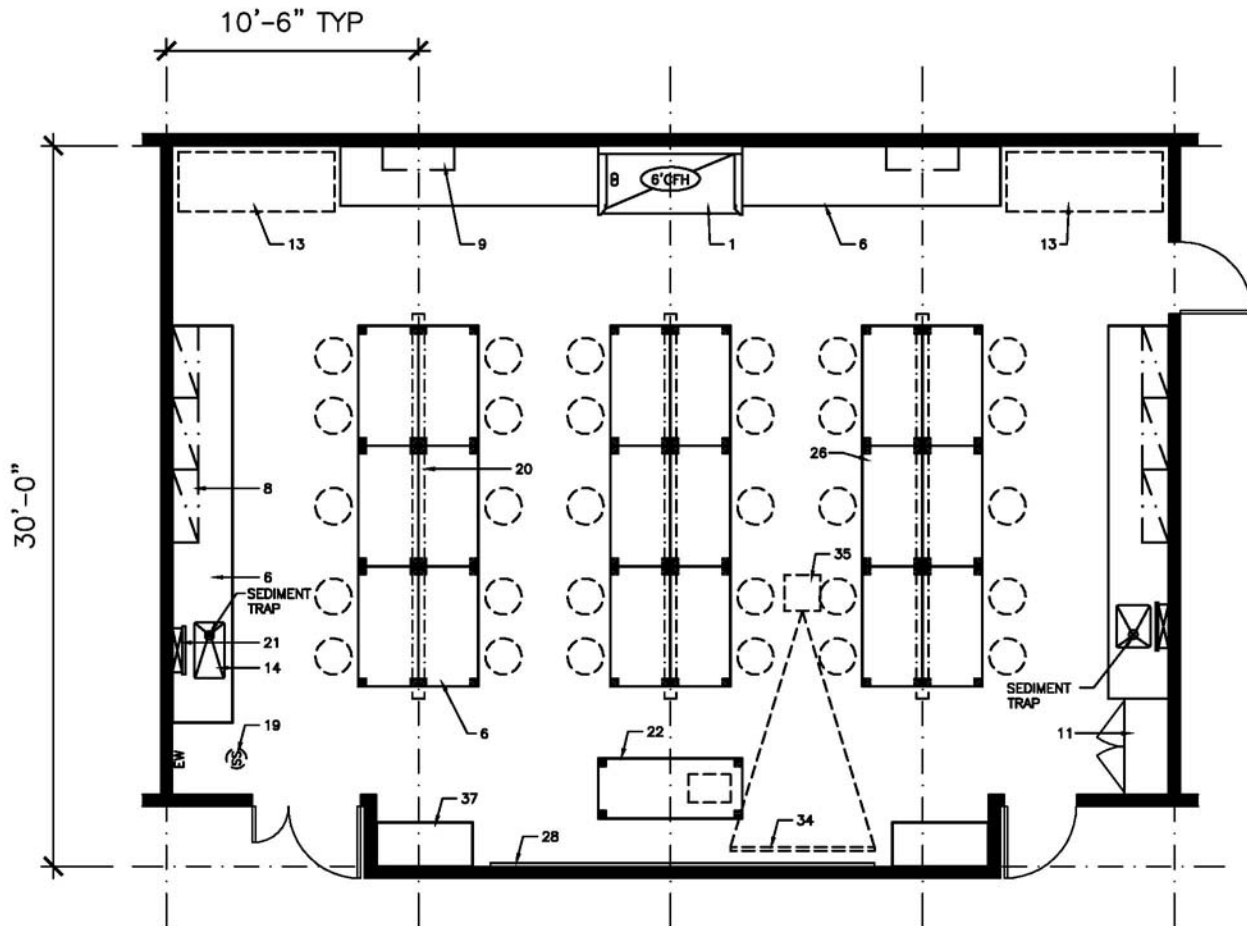
A. 6' CFH @ 800cfm
 1. (2) Sinks @ perimeter w/ sediment traps

Appendix A: Room Data Sheets

Room ID No.: 51
 Room Name: Geomorphology & Weather Laboratory
 Unit: Geography/Earth Science

Occupancy: 30
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 5J
 Room Name: Introductory GIS Laboratory
 Unit: Geography & Earth Science

Occupancy: 30
 Room Size: 1,280 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____ ●
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____ ●
24 hours/day _____ ●	480V, 100A, 3 Phase _____	Audio System _____ ●
	Isolated Ground Outlet _____	Touch-Screen Controls _____ ●
MECHANICAL		
Temperature	Emergency Power _____	Lighting _____
68°-75° ± 2°F _____	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____ ●	Overhead Projector _____ ●
Humidity	Data _____ ●	Projection Screen(s) _____ ●
Uncontrolled _____	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. _____	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____ ●	SMART Board Technology _____ ●
Air Pressure Positive _____	75 fc at bench/desk _____	
Air Pressure Negative _____	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs _____ ●
Additional Exhaust Air Filtration _____	Darkenable _____ ●	Task Chair(s) _____ ●
	Zoned Lighting _____ ●	Movable Desks _____ ●
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood _____	Bases _____	Recycling _____
Radioisotope Hood _____	Acids _____	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents _____	Refrigerator _____
Biological Safety Cabinet _____	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board _____ ●
		Marker Board _____ ●
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____ ●
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____ ●
Vibration Producing _____	VCT _____	Laboratory Workstations _____
Heat Producing _____	Welded Seam Sheet Vinyl _____	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) _____	Tile _____	
Laboratory Vacuum (LV) _____	Other _____	
Laboratory Air (LV) _____	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl _____	
Industrial Hot Water (IHW) _____	Carpet _____	
Industrial Cold Water (ICW) _____	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____ ●	
Purified Water (PW) _____	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint _____	
Carbon Dioxide (CO ₂) _____	Other _____	
Nitrogen Gas (N ₂) _____	Ceiling _____	
Cylinder Gases _____	Open _____	
Inert _____	Acoustical Tile _____ ●	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height _____	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' _____ ●	
Safety Shower/Eyewash (SS) _____	3'-0" x 7' _____	
Drench Hose (DH) _____	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
		REMARKS
		1. (40) data jacks
		2. Power outlets for (40) computers and monitors.
		3. Movable task chairs.

Appendix A: Room Data Sheets

Room ID No.: 5K1

Occupancy: 36

Room Name: Advanced GIS Laboratory – Main Lab.

Room Size: 1,600 ASF

Unit: Geography & Earth Science

UTILIZATION	
Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	<input checked="" type="checkbox"/>

MECHANICAL	
Temperature	
68°-75° ± 2°F	_____
Other	_____
Humidity	
Uncontrolled	_____
Other	_____
Minimum Air Changes/Hr.	_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS	
Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT	
Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING	
Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LV)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____
Industrial Cold Water (ICW)	_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____

ELECTRICAL	
110V, 20A, 1 Phase	<input checked="" type="checkbox"/>
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	<input checked="" type="checkbox"/>
Data	<input checked="" type="checkbox"/>
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	<input checked="" type="checkbox"/>
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	<input checked="" type="checkbox"/>
Zoned Lighting	<input checked="" type="checkbox"/>
Other	_____

CHEMICALS	
Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL	
Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	<input checked="" type="checkbox"/>
Other	_____
Base	
4" Vinyl	_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	<input checked="" type="checkbox"/>
Gyp Board, Epoxy Paint	_____
Height	_____
Doors	
3'-6" x 7'	<input checked="" type="checkbox"/>
3'-0" x 7'	_____
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	_____
Natural Daylight	_____

TECHNOLOGY	
Computer	<input checked="" type="checkbox"/>
DVD or Bluray Player	<input checked="" type="checkbox"/>
Document Camera	<input checked="" type="checkbox"/>
Audio System	<input checked="" type="checkbox"/>
Touch-Screen Controls	<input checked="" type="checkbox"/>
Lighting	_____
Audio/Visual	_____
Overhead Projector	<input checked="" type="checkbox"/>
Projection Screen(s)	<input checked="" type="checkbox"/>
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	<input checked="" type="checkbox"/>

MOVABLE EQUIPMENT	
Movable Chairs	<input checked="" type="checkbox"/>
Task Chair(s)	<input checked="" type="checkbox"/>
Movable Desks	<input checked="" type="checkbox"/>
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT	
Bulletin Board	<input checked="" type="checkbox"/>
Marker Board	<input checked="" type="checkbox"/>
Clock	<input checked="" type="checkbox"/>
Pencil Sharpener	_____
Teaching Podium	<input checked="" type="checkbox"/>
Laboratory Workstations	_____
Coat Hook(s)	_____

ROOM DESCRIPTION	
4.	(40) data jacks
5.	Power outlets for (40) computers and monitors.
6.	Movable task chairs.

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 5L1
 Room Name: Earth Science Prep/Storage
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 320 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 6	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk ●	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood A.	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids ●	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents ●	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage ●	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board ●
Vibration Sensitive _____	Floor _____	Marker Board _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Clock _____
Vibration Producing _____	VCT _____	Pencil Sharpener _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Teaching Podium _____
Noise Producing _____	Epoxy _____	Laboratory Workstations ●
	Carpet _____	Coat Hook(s) _____
PLUMBING	Sealed Concrete _____	ROOM DESCRIPTION
Laboratory Gas (LG) ●	Terrazzo _____	
Laboratory Vacuum (LV) ●	Tile _____	
Laboratory Air (LA) ●	Other _____	
Compressed Air, 100 psi (A) _____	Base _____	
Industrial Hot Water (IHW) ●	4" Vinyl ●	
Industrial Cold Water (ICW) ●	Carpet _____	
Potable Hot Water (HW) _____	Integral w/floor _____	
Potable Cold Water (CW) _____	Terrazzo _____	
Purified Water (PW) ●	Tile _____	
Chilled Water (CHW S/R) _____	Other _____	
Steam _____	Partitions _____	
Condensate Return _____	Gyp Board, Epoxy Paint _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Paint ●	
Nitrogen Gas (N ₂) _____	Other _____	
Cylinder Gases _____	Ceiling _____	
Inert _____	Open _____	
Flammable _____	Acoustical Tile ●	
Toxic _____	Gyp Board, Epoxy Paint _____	
Floor Drain (FD) _____	Height 9'-0" min.	
Floor Sink (FS) _____	Doors _____	
Safety Shower/Eyewash (SS) ●	3'-6" x 7' _____	
Drench Hose (DH) ●	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		A. 4' CFH comb @ 400cfm
		1. 9 AC/H – Max
		2. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 5L2
 Room Name: Geomorphology Prep/Storage
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 320 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL		
Temperature	Emergency Power one	Lighting _____
68°-75° ± 2°F ●	UPS (OFOI) _____	Audio/Visual _____
Other _____	Phone _____	Overhead Projector _____
Humidity	Data ●	Projection Screen(s) _____
Uncontrolled ●	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 6	Lighting Level _____	Digital Signage _____
Air Recirculation _____	100 fc at bench/desk _____	SMART Board Technology _____
Air Pressure Positive _____	75 fc at bench/desk ●	
Air Pressure Negative ●	Safe Light _____	MOVABLE EQUIPMENT
Additional Supply Air Filtration _____	Special Lighting _____	Movable Chairs ●
Additional Exhaust Air Filtration _____	Darkenable _____	Task Chair(s) ●
	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Movable Table(s) _____
Chemical Fume Hood A.	Bases _____	Recycling _____
Radioisotope Hood _____	Acids ●	Bookshelves _____
Horizontal Laminar Flow Hood _____	Solvents ●	Refrigerator _____
Biological Safety Cabinet _____	Radioisotopes _____	Microwave _____
Snorkel _____	Carcinogens/Regulated _____	Coffeemaker _____
Canopy Hood _____	Chemical Waste Storage ●	Copier/Scanner/Printer _____
Low Slotted Exhaust _____	Biological Storage _____	
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
		Marker Board _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Clock _____
Vibration Sensitive _____	Floor _____	Pencil Sharpener _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Vibration Producing _____	VCT _____	Laboratory Workstations ●
Heat Producing _____	Welded Seam Sheet Vinyl ●	Coat Hook(s) _____
Noise Producing _____	Epoxy _____	
	Carpet _____	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) ●	Tile _____	
Laboratory Vacuum (LV) ●	Other _____	
Laboratory Air (LA) ●	Base _____	
Compressed Air, 100 psi (A) _____	4" Vinyl ●	
Industrial Hot Water (IHW) ●	Carpet _____	
Industrial Cold Water (ICW) ●	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) ●	Other _____	
Chilled Water (CHW S/R) _____	Partitions _____	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint ●	REMARKS
Carbon Dioxide (CO ₂) _____	Other _____	A. 4' CFH comb @ 400cfm
Nitrogen Gas (N ₂) _____	Ceiling _____	1. 9 AC/H – Max
Cylinder Gases _____	Open _____	2. (1) Sink @ perimeter
Inert _____	Acoustical Tile ●	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height 9'-0" min.	
Floor Drain (FD) _____	Doors _____	
Floor Sink (FS) _____	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) ●	3'-0" x 7' ●	
Drench Hose (DH) ●	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 5L3
 Room Name: Geography Storage
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 480 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase <input type="checkbox"/>	Computer <input type="checkbox"/>
8 hours/day	208V, 30A, 1 Phase <input type="checkbox"/>	DVD or Bluray Player <input type="checkbox"/>
14 hours/day <input checked="" type="checkbox"/>	208V, 30A, 3 Phase <input type="checkbox"/>	Document Camera <input type="checkbox"/>
24 hours/day <input type="checkbox"/>	480V, 100A, 3 Phase <input type="checkbox"/>	Audio System <input type="checkbox"/>
	Isolated Ground Outlet <input type="checkbox"/>	Touch-Screen Controls <input type="checkbox"/>
	Emergency Power <input type="checkbox"/>	Lighting <input type="checkbox"/>
	UPS (OFOI) <input type="checkbox"/>	Audio/Visual <input type="checkbox"/>
	Phone <input type="checkbox"/>	Overhead Projector <input type="checkbox"/>
	Data <input type="checkbox"/>	Projection Screen(s) <input type="checkbox"/>
	In Use Light <input type="checkbox"/>	Lecture Capture <input type="checkbox"/>
	Task Lighting <input type="checkbox"/>	Flat Panel Monitor <input type="checkbox"/>
	Lighting Level <input type="checkbox"/>	Digital Signage <input type="checkbox"/>
	100 fc at bench/desk <input type="checkbox"/>	SMART Board Technology <input type="checkbox"/>
	75 fc at bench/desk <input checked="" type="checkbox"/>	
	Safe Light <input type="checkbox"/>	
	Special Lighting <input type="checkbox"/>	
	Darkenable <input type="checkbox"/>	
	Zoned Lighting <input type="checkbox"/>	
	Other <input type="checkbox"/>	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases <input type="checkbox"/>	Movable Chairs <input type="checkbox"/>
68°-75° ± 2°F <input checked="" type="checkbox"/>	Acids <input type="checkbox"/>	Task Chair(s) <input type="checkbox"/>
Other <input type="checkbox"/>	Solvents <input type="checkbox"/>	Movable Desks <input type="checkbox"/>
Humidity	Radioisotopes <input type="checkbox"/>	Movable Laboratory Stations <input type="checkbox"/>
Uncontrolled <input checked="" type="checkbox"/>	Carcinogens/Regulated <input type="checkbox"/>	Lounge Seating <input type="checkbox"/>
Other <input type="checkbox"/>	Chemical Waste Storage <input type="checkbox"/>	Movable Table(s) <input type="checkbox"/>
Minimum Air Changes/Hr. <input type="checkbox"/>	Biological Storage <input type="checkbox"/>	Recycling <input type="checkbox"/>
Air Recirculation <input type="checkbox"/>	Radioisotope Storage <input type="checkbox"/>	Bookshelves <input type="checkbox"/>
Air Pressure Positive <input type="checkbox"/>	Chemical Storage <input type="checkbox"/>	Refrigerator <input type="checkbox"/>
Air Pressure Negative <input checked="" type="checkbox"/>		Microwave <input type="checkbox"/>
Additional Supply Air Filtration <input type="checkbox"/>		Coffeemaker <input type="checkbox"/>
Additional Exhaust Air Filtration <input type="checkbox"/>		Copier/Scanner/Printer <input type="checkbox"/>
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood <input type="checkbox"/>	Floor	Bulletin Board <input checked="" type="checkbox"/>
Radioisotope Hood <input type="checkbox"/>	VCT (Chemical Resistant) <input type="checkbox"/>	Marker Board <input type="checkbox"/>
Horizontal Laminar Flow Hood <input type="checkbox"/>	VCT <input type="checkbox"/>	Clock <input type="checkbox"/>
Biological Safety Cabinet <input type="checkbox"/>	Welded Seam Sheet Vinyl <input checked="" type="checkbox"/>	Pencil Sharpener <input type="checkbox"/>
Snorkel <input type="checkbox"/>	Epoxy <input type="checkbox"/>	Teaching Podium <input type="checkbox"/>
Canopy Hood <input type="checkbox"/>	Carpet <input type="checkbox"/>	Laboratory Workstations <input type="checkbox"/>
Low Slotted Exhaust <input type="checkbox"/>	Sealed Concrete <input type="checkbox"/>	Coat Hook(s) <input type="checkbox"/>
Equipment Exhaust <input type="checkbox"/>	Terrazzo <input type="checkbox"/>	
Other <input type="checkbox"/>	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Base	
	4" Vinyl <input checked="" type="checkbox"/>	
	Carpet <input type="checkbox"/>	
	Integral w/floor <input type="checkbox"/>	
	Terrazzo <input type="checkbox"/>	
	Tile <input type="checkbox"/>	
	Other <input type="checkbox"/>	
	Partitions	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Gyp Board, Paint <input checked="" type="checkbox"/>	
	Other <input type="checkbox"/>	
	Ceiling	
	Open <input type="checkbox"/>	
	Acoustical Tile <input checked="" type="checkbox"/>	
	Gyp Board, Epoxy Paint <input type="checkbox"/>	
	Height <input type="checkbox"/>	
	9'-0" min. <input type="checkbox"/>	
	Doors	
	3'-6" x 7' <input type="checkbox"/>	
	3'-0" x 7' <input checked="" type="checkbox"/>	
	1'-6" x 7' <input checked="" type="checkbox"/>	
	Light Tight Rotating Door <input type="checkbox"/>	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input type="checkbox"/>	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive <input type="checkbox"/>		1. Rock storage and map storage cabinets.
Light Sensitive <input type="checkbox"/>		
Vibration Producing <input type="checkbox"/>		
Heat Producing <input type="checkbox"/>		
Noise Producing <input type="checkbox"/>		
PLUMBING		
Laboratory Gas (LG) <input type="checkbox"/>		
Laboratory Vacuum (LV) <input type="checkbox"/>		
Laboratory Air (LA) <input type="checkbox"/>		
Compressed Air, 100 psi (A) <input type="checkbox"/>		
Industrial Hot Water (IHW) <input type="checkbox"/>		
Industrial Cold Water (ICW) <input type="checkbox"/>		
Potable Hot Water (HW) <input type="checkbox"/>		
Potable Cold Water (CW) <input type="checkbox"/>		
Purified Water (PW) <input type="checkbox"/>		
Chilled Water (CHW S/R) <input type="checkbox"/>		
Steam <input type="checkbox"/>		
Condensate Return <input type="checkbox"/>		
Carbon Dioxide (CO ₂) <input type="checkbox"/>		
Nitrogen Gas (N ₂) <input type="checkbox"/>		
Cylinder Gases <input type="checkbox"/>		
Inert <input type="checkbox"/>		
Flammable <input type="checkbox"/>		
Toxic <input type="checkbox"/>		
Floor Drain (FD) <input type="checkbox"/>		
Floor Sink (FS) <input type="checkbox"/>		
Safety Shower/Eyewash (SS) <input type="checkbox"/>		
Drench Hose (DH) <input type="checkbox"/>		

Appendix A: Room Data Sheets

Room ID No.: 5L4
 Room Name: Cold Room
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 160 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">+4C _____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">A _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	+4C _____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	A _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	● _____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ELECTRICAL</td> </tr> <tr> <td style="padding: 2px;">110V, 20A, 1 Phase</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 1 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">480V, 100A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Isolated Ground Outlet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Emergency Power</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">UPS (OFOI)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Phone</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Data</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">In Use Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Task Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lighting Level</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">100 fc at bench/desk</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">75 fc at bench/desk</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Safe Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Special Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Darkenable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Zoned Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Sealed Concrete</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">fab _____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">fab _____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Open</td> <td style="padding: 2px;">fab _____</td> </tr> <tr> <td style="padding: 2px;">Acoustical Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Height</td> <td style="padding: 2px;">8'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	● _____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	● _____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	_____	Sealed Concrete	● _____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	fab _____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	_____	Other	fab _____	Ceiling	_____	Open	fab _____	Acoustical Tile	_____	Gyp Board, Epoxy Paint	_____	Height	8'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	● _____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">TECHNOLOGY</td> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">REMARKS</td> </tr> <tr> <td style="padding: 2px;">A.</td> <td style="padding: 2px;">50 cfm exhaust</td> </tr> <tr> <td style="padding: 2px;">1.</td> <td style="padding: 2px;">Storage of 10' long soil cores</td> </tr> </table>	TECHNOLOGY		Computer	_____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	_____	Movable Desks	_____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	_____	ROOM DESCRIPTION				REMARKS		A.	50 cfm exhaust	1.	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Appendix A: Room Data Sheets

Room ID No.: 5M.1-5 Occupancy: 1
 Room Name: Faculty/Student Research (standard) Room Size: 400 ASF x 5
 Unit: Geography & Earth Science

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color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">B. _____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">C. _____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">● _____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	6 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	A. _____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	B. _____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	C. _____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	● _____	Laboratory Air (LA)	● _____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	● _____	Industrial Cold Water (ICW)	● _____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	● _____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	A. _____	Drench Hose (DH)	● _____	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ELECTRICAL</th> </tr> <tr> <td style="padding: 2px;">110V, 20A, 1 Phase</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 1 Phase</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">480V, 100A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Isolated Ground Outlet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Emergency Power</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">UPS (OFOI)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Phone</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Data</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">In Use Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Task Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lighting Level</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 100 fc at bench/desk</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 75 fc at bench/desk</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Safe Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Special Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Darkenable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Zoned Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 5N.1-4 Occupancy: 1
 Room Name: Faculty/Student Research (computational) Room Size: 160 ASF x 4
 Unit: Geography & Earth Science

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	
8 hours/day		208V, 30A, 1 Phase		DVD or Bluray Player	
14 hours/day		208V, 30A, 3 Phase		Document Camera	
24 hours/day	●	480V, 100A, 3 Phase		Audio System	
		Isolated Ground Outlet		Touch-Screen Controls	
MECHANICAL				Lighting	
Temperature		Emergency Power		Audio/Visual	
68°-75° ± 2°F		UPS (OFOI)		Overhead Projector	
Other		Phone	●	Projection Screen(s)	
Humidity		Data	●	Lecture Capture	
Uncontrolled		In Use Light		Flat Panel Monitor	
Other		Task Lighting		Digital Signage	
Minimum Air Changes/Hr.		Lighting Level		SMART Board Technology	
Air Recirculation		100 fc at bench/desk	●	MOVABLE EQUIPMENT	
Air Pressure Positive		75 fc at bench/desk		Movable Chairs	●
Air Pressure Negative		Safe Light		Task Chair(s)	●
Additional Supply Air Filtration		Special Lighting		Movable Desks	●
Additional Exhaust Air Filtration		Darkenable		Movable Laboratory Stations	
		Zoned Lighting	●	Lounge Seating	
		Other		Movable Table(s)	●
HOODS		CHEMICALS		Recycling	
Chemical Fume Hood		Bases		Bookshelves	●
Radioisotope Hood		Acids		Refrigerator	
Horizontal Laminar Flow Hood		Solvents		Microwave	
Biological Safety Cabinet		Radioisotopes		Coffeemaker	
Snorkel		Carcinogens/Regulated		Copier/Scanner/Printer	
Canopy Hood		Chemical Waste Storage		FIXED EQUIPMENT	
Low Slotted Exhaust		Biological Storage		Bulletin Board	●
Equipment Exhaust		Radioisotope Storage		Marker Board	●
Other		Chemical Storage		Clock	●
		ARCHITECTURAL		Pencil Sharpener	
		Floor		Teaching Podium	
LABORATORY EQUIPMENT		VCT (Chemical Resistant)		Laboratory Workstations	
Vibration Sensitive		VCT		Coat Hook(s)	●
Light Sensitive		Welded Seam Sheet Vinyl		ROOM DESCRIPTION	
Vibration Producing		Epoxy			
Heat Producing		Carpet			
Noise Producing		Sealed Concrete			
		Terrazzo			
		Tile	●		
		Other			
PLUMBING		Base			
Laboratory Gas (LG)		4" Vinyl			
Laboratory Vacuum (LV)		Carpet			
Laboratory Air (LV)		Integral w/floor	●		
Compressed Air, 100 psi (A)		Terrazzo			
Industrial Hot Water (IHW)		Tile			
Industrial Cold Water (ICW)		Other			
Potable Hot Water (HW)		Partitions			
Potable Cold Water (CW)		Gyp Board, Epoxy Paint			
Purified Water (PW)		Gyp Board, Paint	●	REMARKS	
Chilled Water (CHW S/R)		Other			
Steam		Ceiling			
Condensate Return		Open			
Carbon Dioxide (CO ₂)		Acoustical Tile	●		
Nitrogen Gas (N ₂)		Gyp Board, Epoxy Paint			
Cylinder Gases		Height			
Inert		Doors			
Flammable		3'-6" x 7'			
Toxic		3'-0" x 7'	●		
Floor Drain (FD)		1'-6" x 7'			
Floor Sink (FS)		Light Tight Rotating Door			
Safety Shower/Eyewash (SS)		Vision Panel			
Drench Hose (DH)		Natural Daylight			

Appendix A: Room Data Sheets

Room ID No.: 50.1-3
 Room Name: General Lab/Departmental Storage
 Unit: Geography & Earth Science

Occupancy:
 Room Size: 120 ASF x 3

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Appendix A: Room Data Sheets

Room ID No.: 6A
 Room Name: Department Chair's Office
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">● _____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 6B.1-24
 Room Name: Ranked Faculty Office
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 120 ASF x 24

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 6C.1-3
 Room Name: Future Ranked Faculty Office
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 120 ASF x 3

<table border="0" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td></tr> <tr><td>Hours of Use</td><td style="text-align: right;">_____</td></tr> <tr><td>8 hours/day</td><td style="text-align: right;">_____</td></tr> <tr><td>14 hours/day</td><td style="text-align: right;">_____</td></tr> <tr><td>24 hours/day</td><td style="text-align: right;">_____</td></tr> <tr><td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td></tr> <tr><td>Temperature</td><td style="text-align: right;">_____</td></tr> <tr><td>68°-75° ± 2°F</td><td style="text-align: right;">_____</td></tr> <tr><td>Other</td><td style="text-align: right;">_____</td></tr> <tr><td>Humidity</td><td style="text-align: right;">_____</td></tr> <tr><td>Uncontrolled</td><td style="text-align: right;">_____</td></tr> <tr><td>Other</td><td style="text-align: right;">_____</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td style="text-align: right;">_____</td></tr> <tr><td>Air Recirculation</td><td style="text-align: right;">_____</td></tr> <tr><td>Air Pressure Positive</td><td style="text-align: right;">_____</td></tr> <tr><td>Air Pressure Negative</td><td style="text-align: right;">_____</td></tr> <tr><td>Additional Supply Air Filtration</td><td style="text-align: right;">_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td style="text-align: right;">_____</td></tr> <tr><td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td></tr> <tr><td>Chemical Fume Hood</td><td style="text-align: right;">_____</td></tr> <tr><td>Radioisotope Hood</td><td style="text-align: right;">_____</td></tr> <tr><td>Horizontal Laminar Flow Hood</td><td style="text-align: right;">_____</td></tr> <tr><td>Biological Safety Cabinet</td><td style="text-align: right;">_____</td></tr> <tr><td>Snorkel</td><td style="text-align: right;">_____</td></tr> <tr><td>Canopy Hood</td><td style="text-align: right;">_____</td></tr> <tr><td>Low Slotted Exhaust</td><td style="text-align: right;">_____</td></tr> <tr><td>Equipment Exhaust</td><td style="text-align: right;">_____</td></tr> <tr><td>Other</td><td style="text-align: right;">_____</td></tr> <tr><td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td></tr> <tr><td>Vibration Sensitive</td><td style="text-align: right;">_____</td></tr> <tr><td>Light Sensitive</td><td style="text-align: right;">_____</td></tr> <tr><td>Vibration Producing</td><td style="text-align: right;">_____</td></tr> <tr><td>Heat Producing</td><td style="text-align: right;">_____</td></tr> <tr><td>Noise Producing</td><td style="text-align: right;">_____</td></tr> <tr><td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 6D.1-5
 Room Name: Lecturer – Full Time
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 120 ASF x 5

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 6E.1-2
 Room Name: Lecturer – Part Time
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 60 ASF x 2

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 6F
 Room Name: Lab Support Staff
 Unit: Mathematics Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 6G Occupancy: 11
 Room Name: Support Staff/Reception Area/Files Room Size: 428 ASF
 Unit: Mathematics Department

UTILIZATION	
Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	_____

MECHANICAL	
Temperature	
68°-75° ± 2°F	_____
Other	_____
Humidity	
Uncontrolled	_____
Other	_____
Minimum Air Changes/Hr.	_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS	
Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT	
Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING	
Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LV)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____
Industrial Cold Water (ICW)	_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____

ELECTRICAL	
110V, 20A, 1 Phase	_____
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	●
Data	●
In Use Light	_____
Task Lighting	●
Lighting Level	
100 fc at bench/desk	_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS	
Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL	
Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	●
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____
Carpet	●
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●
Gyp Board, Epoxy Paint	_____
Height	9'-0" min.
Doors	
3'-6" x 7'	_____
3'-0" x 7'	_____
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	_____
Natural Daylight	_____

TECHNOLOGY	
Computer	●
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT	
Movable Chairs	●
Task Chair(s)	●
Movable Desks	●
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT	
Bulletin Board	●
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	_____
Coat Hook(s)	●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 6H
 Room Name: Graduate Students
 Unit: Mathematics Department

Occupancy: 2
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	● _____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 6I
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 Unit: Mathematics Department

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 6J
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 Unit: Mathematics Department

Occupancy:
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<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 6K.1-2
 Room Name: Math Education Laboratory
 Unit: Mathematics Department

Occupancy: 40
 Room Size: 1,600 ASF x 2

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____ ●
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____ ●
 Document Camera _____ ●
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____ ●
 Projection Screen(s) _____ ●
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____ ●

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____ ●
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____ ●
 Clock _____ ●
 Pencil Sharpener _____ ●
 Teaching Podium _____ ●
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 6L1-3 Occupancy: 8
 Room Name: Math Research Team Rooms/Collaboration Room Size: 240 ASF x 3
 Unit: Mathematics Department

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature _____
 68°-75° ± 2°F _____
 Other _____
 Humidity _____
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet ● _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl _____
 Carpet ● _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling _____
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor ● _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board ● _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 6M
 Room Name: Undergraduate Research/Library
 Unit: Mathematics Department
 Occupancy: 8
 Room Size: 1,095 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	_____	Computer	_____
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
		Emergency Power	_____	Lighting	_____
		UPS (OFOI)	_____	Audio/Visual	_____
		Phone	_____	Overhead Projector	_____
		Data	_____	Projection Screen(s)	_____
		In Use Light	_____	Lecture Capture	_____
		Task Lighting	_____	Flat Panel Monitor	_____
		Lighting Level	_____	Digital Signage	_____
		100 fc at bench/desk	_____	SMART Board Technology	_____
		75 fc at bench/desk	_____		
		Safe Light	_____		
		Special Lighting	_____		
		Darkenable	_____		
		Zoned Lighting	_____		
		Other	_____		
MECHANICAL		CHEMICALS		MOVABLE EQUIPMENT	
Temperature		Bases	_____	Movable Chairs	_____
68°-75° ± 2°F	_____	Acids	_____	Task Chair(s)	_____
Other	_____	Solvents	_____	Movable Desks	_____
Humidity		Radioisotopes	_____	Movable Laboratory Stations	_____
Uncontrolled	_____	Carcinogens/Regulated	_____	Lounge Seating	_____
Other	_____	Chemical Waste Storage	_____	Movable Table(s)	_____
Minimum Air Changes/Hr.	_____	Biological Storage	_____	Recycling	_____
Air Recirculation	_____	Radioisotope Storage	_____	Bookshelves	_____
Air Pressure Positive	_____	Chemical Storage	_____	Refrigerator	_____
Air Pressure Negative	_____			Microwave	_____
Additional Supply Air Filtration	_____			Coffeemaker	_____
Additional Exhaust Air Filtration	_____			Copier/Scanner/Printer	_____
HOODS		ARCHITECTURAL		FIXED EQUIPMENT	
Chemical Fume Hood	_____	Floor		Bulletin Board	_____
Radioisotope Hood	_____	VCT (Chemical Resistant)	_____	Marker Board	_____
Horizontal Laminar Flow Hood	_____	VCT	_____	Clock	_____
Biological Safety Cabinet	_____	Welded Seam Sheet Vinyl	_____	Pencil Sharpener	_____
Snorkel	_____	Epoxy	_____	Teaching Podium	_____
Canopy Hood	_____	Carpet	_____	Laboratory Workstations	_____
Low Slotted Exhaust	_____	Sealed Concrete	_____	Coat Hook(s)	_____ ●
Equipment Exhaust	_____	Terrazzo	_____		
Other	_____	Tile	_____		
		Other	_____		
		Base			
		4" Vinyl	_____		
		Carpet	_____ ●		
		Integral w/floor	_____		
		Terrazzo	_____		
		Tile	_____		
		Other	_____		
		Partitions			
		Gyp Board, Epoxy Paint	_____		
		Gyp Board, Paint	_____ ●		
		Other	_____		
		Ceiling			
		Open	_____		
		Acoustical Tile	_____ ●		
		Gyp Board, Epoxy Paint	_____		
		Height	_____		
		Doors			
		3'-6" x 7'	_____		
		3'-0" x 7'	_____ ●		
		1'-6" x 7'	_____		
		Light Tight Rotating Door	_____		
		Vision Panel	_____ ●		
		Natural Daylight	_____		
LABORATORY EQUIPMENT		PLUMBING		REMARKS	
Vibration Sensitive	_____	Laboratory Gas (LG)	_____		
Light Sensitive	_____	Laboratory Vacuum (LV)	_____		
Vibration Producing	_____	Laboratory Air (LV)	_____		
Heat Producing	_____	Compressed Air, 100 psi (A)	_____		
Noise Producing	_____	Industrial Hot Water (IHW)	_____		
		Industrial Cold Water (ICW)	_____		
		Potable Hot Water (HW)	_____		
		Potable Cold Water (CW)	_____		
		Purified Water (PW)	_____		
		Chilled Water (CHW S/R)	_____		
		Steam	_____		
		Condensate Return	_____		
		Carbon Dioxide (CO ₂)	_____		
		Nitrogen Gas (N ₂)	_____		
		Cylinder Gases	_____		
		Inert	_____		
		Flammable	_____		
		Toxic	_____		
		Floor Drain (FD)	_____		
		Floor Sink (FS)	_____		
		Safety Shower/Eyewash (SS)	_____		
		Drench Hose (DH)	_____		

Appendix A: Room Data Sheets

Room ID No.: 6N
 Room Name: General Lab Storage
 Unit: Mathematics Department

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	●	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	●	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●	Gyp Board, Epoxy Paint	_____	Height	_____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	●	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">FIXED EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ROOM DESCRIPTION</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">REMARKS</td> </tr> <tr> <td style="padding: 2px;">1.</td> <td style="padding: 2px;">Metal storage cabinets</td> </tr> <tr> <td style="padding: 2px;">2.</td> <td style="padding: 2px;">Metal shelving</td> </tr> </table>	TECHNOLOGY		Computer	_____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	_____	Movable Desks	_____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	_____	ROOM DESCRIPTION		REMARKS		1.	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Appendix A: Room Data Sheets

Room ID No.: 7A
 Room Name: Department Chair's Office
 Unit: Microbiology Department

Occupancy: 1
 Room Size: 120 ASF

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Appendix A: Room Data Sheets

Room ID No.: 7B.1-6
 Room Name: Ranked Faculty Office
 Unit: Microbiology Department

Occupancy: 1
 Room Size: 120 ASF x 6

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 7C
 Room Name: Future Ranked Faculty Office
 Unit: Microbiology Department

Occupancy: 1
 Room Size: 120 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting ● _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet ● _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet ● _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight ● _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) ● _____
 Movable Desks ● _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves ● _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 7D.1-5
 Room Name: Lecturer – Full Time
 Unit: Microbiology Department

Occupancy: 1
 Room Size: 120 ASF x 5

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carpet</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Paint</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acoustical Tile</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">3'-0" x 7'</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vision Panel</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">●</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	●	Data	●	In Use Light	_____	Task Lighting	●	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	●	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	●	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 7E Occupancy: 6
 Room Name: Support Staff/Reception Area/Files Room Size: 283 ASF
 Unit: Microbiology Department

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase		Computer	●
8 hours/day		208V, 30A, 1 Phase		DVD or Bluray Player	
14 hours/day		208V, 30A, 3 Phase		Document Camera	
24 hours/day		480V, 100A, 3 Phase		Audio System	
		Isolated Ground Outlet		Touch-Screen Controls	
		Emergency Power		Lighting	
		UPS (OFOI)		Audio/Visual	
MECHANICAL		TECHNOLOGY		MOVABLE EQUIPMENT	
Temperature		Phone	●	Overhead Projector	
68°-75° ± 2°F		Data	●	Projection Screen(s)	
Other		In Use Light		Lecture Capture	
Humidity		Task Lighting	●	Flat Panel Monitor	
Uncontrolled		Lighting Level		Digital Signage	
Other		100 fc at bench/desk		SMART Board Technology	
Minimum Air Changes/Hr.		75 fc at bench/desk			
Air Recirculation		Safe Light			
Air Pressure Positive		Special Lighting			
Air Pressure Negative		Darkenable			
Additional Supply Air Filtration		Zoned Lighting			
Additional Exhaust Air Filtration		Other			
HOODS		CHEMICALS		FIXED EQUIPMENT	
Chemical Fume Hood		Bases		Bulletin Board	●
Radioisotope Hood		Acids		Marker Board	
Horizontal Laminar Flow Hood		Solvents		Clock	
Biological Safety Cabinet		Radioisotopes		Pencil Sharpener	
Snorkel		Carcinogens/Regulated		Teaching Podium	
Canopy Hood		Chemical Waste Storage		Laboratory Workstations	
Low Slotted Exhaust		Biological Storage		Coat Hook(s)	●
Equipment Exhaust		Radioisotope Storage			
Other		Chemical Storage			
LABORATORY EQUIPMENT		ARCHITECTURAL		ROOM DESCRIPTION	
Vibration Sensitive		Floor			
Light Sensitive		VCT (Chemical Resistant)			
Vibration Producing		VCT			
Heat Producing		Welded Seam Sheet Vinyl			
Noise Producing		Epoxy			
		Carpet	●		
PLUMBING		ARCHITECTURAL		ROOM DESCRIPTION	
Laboratory Gas (LG)		Sealed Concrete			
Laboratory Vacuum (LV)		Terrazzo			
Laboratory Air (LV)		Tile			
Compressed Air, 100 psi (A)		Other			
Industrial Hot Water (IHW)		Base			
Industrial Cold Water (ICW)		4" Vinyl			
Potable Hot Water (HW)		Carpet	●		
Potable Cold Water (CW)		Integral w/floor			
Purified Water (PW)		Terrazzo			
Chilled Water (CHW S/R)		Tile			
Steam		Other			
Condensate Return		Partitions			
Carbon Dioxide (CO ₂)		Gyp Board, Epoxy Paint			
Nitrogen Gas (N ₂)		Gyp Board, Paint	●		
Cylinder Gases		Other			
Inert		Ceiling			
Flammable		Open			
Toxic		Acoustical Tile	●		
Floor Drain (FD)		Gyp Board, Epoxy Paint			
Floor Sink (FS)		Height	9'-0" min.		
Safety Shower/Eyewash (SS)		Doors			
Drench Hose (DH)		3'-6" x 7'			
		3'-0" x 7'			
		1'-6" x 7'			
		Light Tight Rotating Door			
		Vision Panel			
		Natural Daylight			
REMARKS					

Appendix A: Room Data Sheets

Room ID No.: 7F.1-9
 Room Name: Graduate Assistants/Students
 Unit: Microbiology Department

Occupancy: 2
 Room Size: 120 ASF x 9

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	● _____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	● _____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____	Carpet	● _____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 7G
 Room Name: Office Storage
 Unit: Microbiology Department

Occupancy:
 Room Size: 120 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase	Computer
8 hours/day	208V, 30A, 1 Phase	DVD or Bluray Player
14 hours/day	208V, 30A, 3 Phase	Document Camera
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
	Emergency Power	Lighting
	UPS (OFOI)	Audio/Visual
	Phone	Overhead Projector
	Data	Projection Screen(s)
	In Use Light	Lecture Capture
	Task Lighting	Flat Panel Monitor
	Lighting Level	Digital Signage
	100 fc at bench/desk	SMART Board Technology
	75 fc at bench/desk	
	Safe Light	
	Special Lighting	
	Darkenable	
	Zoned Lighting	
	Other	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases	Movable Chairs
68°-75° ± 2°F	Acids	Task Chair(s)
Other	Solvents	Movable Desks
Humidity	Radioisotopes	Movable Laboratory Stations
Uncontrolled	Carcinogens/Regulated	Lounge Seating
Other	Chemical Waste Storage	Movable Table(s)
Minimum Air Changes/Hr.	Biological Storage	Recycling
Air Recirculation	Radioisotope Storage	Bookshelves
Air Pressure Positive	Chemical Storage	Refrigerator
Air Pressure Negative		Microwave
Additional Supply Air Filtration		Coffeemaker
Additional Exhaust Air Filtration		Copier/Scanner/Printer
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood	Floor	Bulletin Board
Radioisotope Hood	VCT (Chemical Resistant)	Marker Board
Horizontal Laminar Flow Hood	VCT	Clock
Biological Safety Cabinet	Welded Seam Sheet Vinyl	Pencil Sharpener
Snorkel	Epoxy	Teaching Podium
Canopy Hood	Carpet	Laboratory Workstations
Low Slotted Exhaust	Carpet	Coat Hook(s)
Equipment Exhaust	Sealed Concrete	
Other	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint	
	Other	
	Ceiling	
	Open	
	Acoustical Tile	
	Gyp Board, Epoxy Paint	
	Height	
	9'-0" min.	
	Doors	
	3'-6" x 7'	
	3'-0" x 7'	
	1'-6" x 7'	
	Light Tight Rotating Door	
	Vision Panel	
	Natural Daylight	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive		1. Metal file cabinets
Light Sensitive		2. Metal storage cabinets
Vibration Producing		
Heat Producing		
Noise Producing		
PLUMBING		
Laboratory Gas (LG)		
Laboratory Vacuum (LV)		
Laboratory Air (LV)		
Compressed Air, 100 psi (A)		
Industrial Hot Water (IHW)		
Industrial Cold Water (ICW)		
Potable Hot Water (HW)		
Potable Cold Water (CW)		
Purified Water (PW)		
Chilled Water (CHW S/R)		
Steam		
Condensate Return		
Carbon Dioxide (CO ₂)		
Nitrogen Gas (N ₂)		
Cylinder Gases		
Inert		
Flammable		
Toxic		
Floor Drain (FD)		
Floor Sink (FS)		
Safety Shower/Eyewash (SS)		
Drench Hose (DH)		

Appendix A: Room Data Sheets

Room ID No.: 7H.1-3
 Room Name: Lab Support Staff
 Unit: Microbiology Department

Occupancy: 1
 Room Size: 120 ASF x 3

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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Laboratory Gas (LG)	_____																																																																																																																																																																																																																																																																																																																																	
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Compressed Air, 100 psi (A)	_____																																																																																																																																																																																																																																																																																																																																	
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Industrial Cold Water (ICW)	_____																																																																																																																																																																																																																																																																																																																																	
Potable Hot Water (HW)	_____																																																																																																																																																																																																																																																																																																																																	
Potable Cold Water (CW)	_____																																																																																																																																																																																																																																																																																																																																	
Purified Water (PW)	_____																																																																																																																																																																																																																																																																																																																																	
Chilled Water (CHW S/R)	_____																																																																																																																																																																																																																																																																																																																																	
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Carbon Dioxide (CO ₂)	_____																																																																																																																																																																																																																																																																																																																																	
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Floor Sink (FS)	_____																																																																																																																																																																																																																																																																																																																																	
Safety Shower/Eyewash (SS)	_____																																																																																																																																																																																																																																																																																																																																	
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208V, 30A, 1 Phase	_____																																																																																																																																																																																																																																																																																																																																	
208V, 30A, 3 Phase	_____																																																																																																																																																																																																																																																																																																																																	
480V, 100A, 3 Phase	_____																																																																																																																																																																																																																																																																																																																																	
Isolated Ground Outlet	_____																																																																																																																																																																																																																																																																																																																																	
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Movable Laboratory Stations	_____																																																																																																																																																																																																																																																																																																																																	
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Teaching Podium	_____																																																																																																																																																																																																																																																																																																																																	
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Appendix A: Room Data Sheets

Room ID No.: 71
 Room Name: Fundamental Microbiology Laboratory
 Unit: Microbiology Department

Occupancy: 20
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	4
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS

Chemical Fume Hood	
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT

Vibration Sensitive	
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	
Flammable	
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	one
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	●
75 fc at bench/desk	
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	●
Other	

CHEMICALS

Bases	
Acids	
Solvents	
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	
Biological Storage	
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY

Computer	●
DVD or Bluray Player	●
Document Camera	●
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	●
Projection Screen(s)	●
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffeemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	●
Clock	●
Pencil Sharpener	●
Teaching Podium	●
Laboratory Workstations	●
Coat Hook(s)	●

ROOM DESCRIPTION

REMARKS

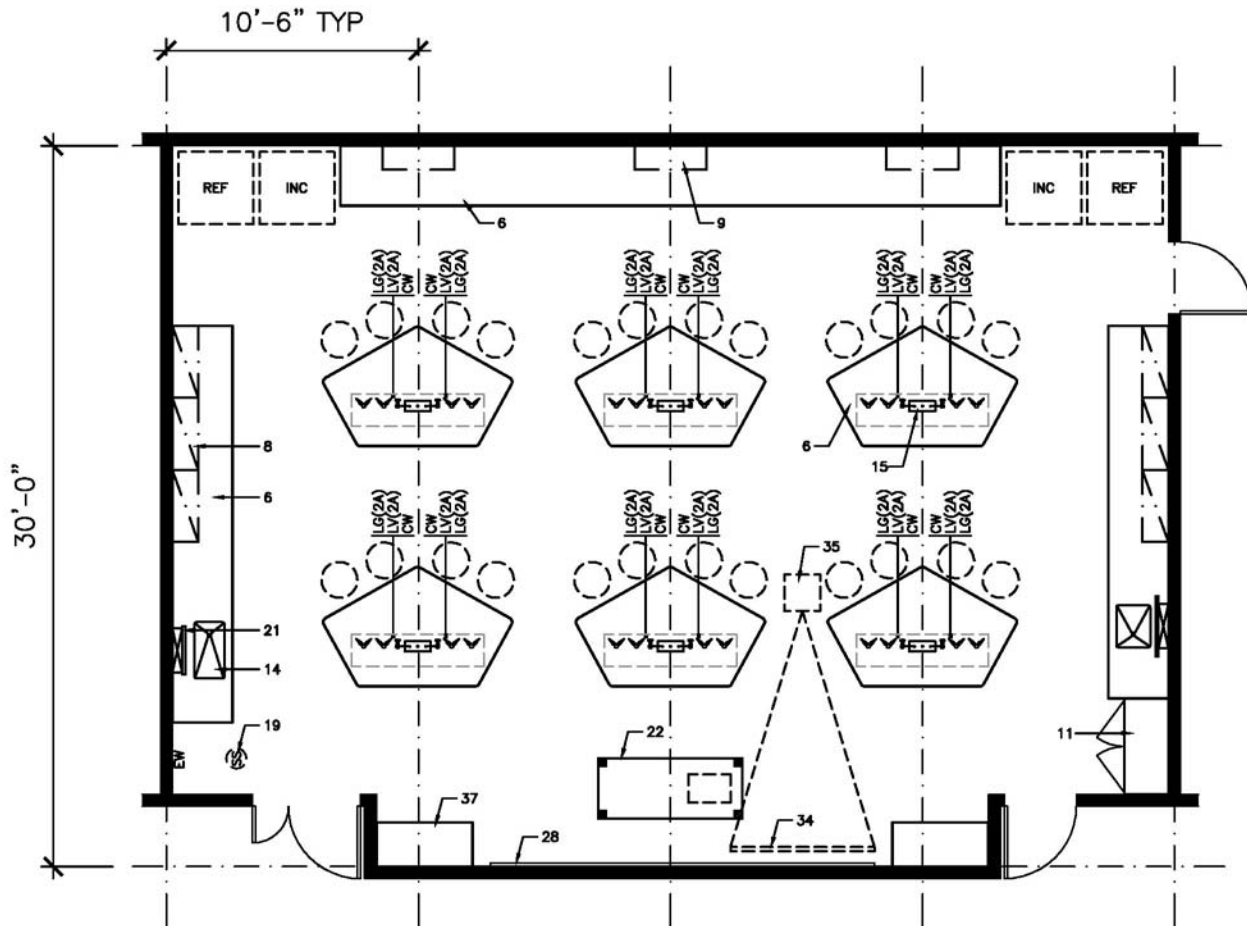
1. (2) Sinks @ perimeter
2. Drainage sinks @ Workstations

Appendix A: Room Data Sheets

Room ID No.: 71
 Room Name: Fundamental Microbiology Laboratory
 Unit: Microbiology Department

Occupancy: 20
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 7J
 Room Name: Path. Bact./Med. Mycology Laboratory
 Unit: Microbiology Department
 Occupancy: 24
 Room Size: 1,280 ASF

UTILIZATION	
Hours of Use	
8 hours/day	
14 hours/day	●
24 hours/day	

MECHANICAL	
Temperature	
68°-75° ± 2°F	●
Other	
Humidity	
Uncontrolled	●
Other	
Minimum Air Changes/Hr.	6
Air Recirculation	
Air Pressure Positive	
Air Pressure Negative	●
Additional Supply Air Filtration	
Additional Exhaust Air Filtration	

HOODS	
Chemical Fume Hood	
Radioisotope Hood	
Horizontal Laminar Flow Hood	
Biological Safety Cabinet	A.
Snorkel	
Canopy Hood	
Low Slotted Exhaust	
Equipment Exhaust	
Other	

LABORATORY EQUIPMENT	
Vibration Sensitive	●
Light Sensitive	
Vibration Producing	
Heat Producing	
Noise Producing	

PLUMBING	
Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (PW)	●
Chilled Water (CHW S/R)	
Steam	
Condensate Return	
Carbon Dioxide (CO ₂)	
Nitrogen Gas (N ₂)	
Cylinder Gases	
Inert	
Flammable	
Toxic	
Floor Drain (FD)	
Floor Sink (FS)	
Safety Shower/Eyewash (SS)	●
Drench Hose (DH)	●

ELECTRICAL	
110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	
480V, 100A, 3 Phase	
Isolated Ground Outlet	
Emergency Power	●
UPS (OFOI)	
Phone	
Data	●
In Use Light	
Task Lighting	
Lighting Level	
100 fc at bench/desk	●
75 fc at bench/desk	
Safe Light	
Special Lighting	
Darkenable	
Zoned Lighting	●
Other	

CHEMICALS	
Bases	
Acids	●
Solvents	●
Radioisotopes	
Carcinogens/Regulated	
Chemical Waste Storage	●
Biological Storage	●
Radioisotope Storage	
Chemical Storage	

ARCHITECTURAL	
Floor	
VCT (Chemical Resistant)	
VCT	
Welded Seam Sheet Vinyl	●
Epoxy	
Carpet	
Sealed Concrete	
Terrazzo	
Tile	
Other	
Base	
4" Vinyl	●
Carpet	
Integral w/floor	
Terrazzo	
Tile	
Other	
Partitions	
Gyp Board, Epoxy Paint	
Gyp Board, Paint	●
Other	
Ceiling	
Open	
Acoustical Tile	●
Gyp Board, Epoxy Paint	
Height	9'-0" min.
Doors	
3'-6" x 7'	
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	
Vision Panel	●
Natural Daylight	

TECHNOLOGY	
Computer	●
DVD or Bluray Player	●
Document Camera	●
Audio System	
Touch-Screen Controls	
Lighting	
Audio/Visual	
Overhead Projector	●
Projection Screen(s)	●
Lecture Capture	
Flat Panel Monitor	
Digital Signage	
SMART Board Technology	

MOVABLE EQUIPMENT	
Movable Chairs	●
Task Chair(s)	
Movable Desks	
Movable Laboratory Stations	
Lounge Seating	
Movable Table(s)	
Recycling	
Bookshelves	
Refrigerator	
Microwave	
Coffemaker	
Copier/Scanner/Printer	

FIXED EQUIPMENT	
Bulletin Board	●
Marker Board	●
Clock	●
Pencil Sharpener	●
Teaching Podium	●
Laboratory Workstations	●
Coat Hook(s)	●

ROOM DESCRIPTION	

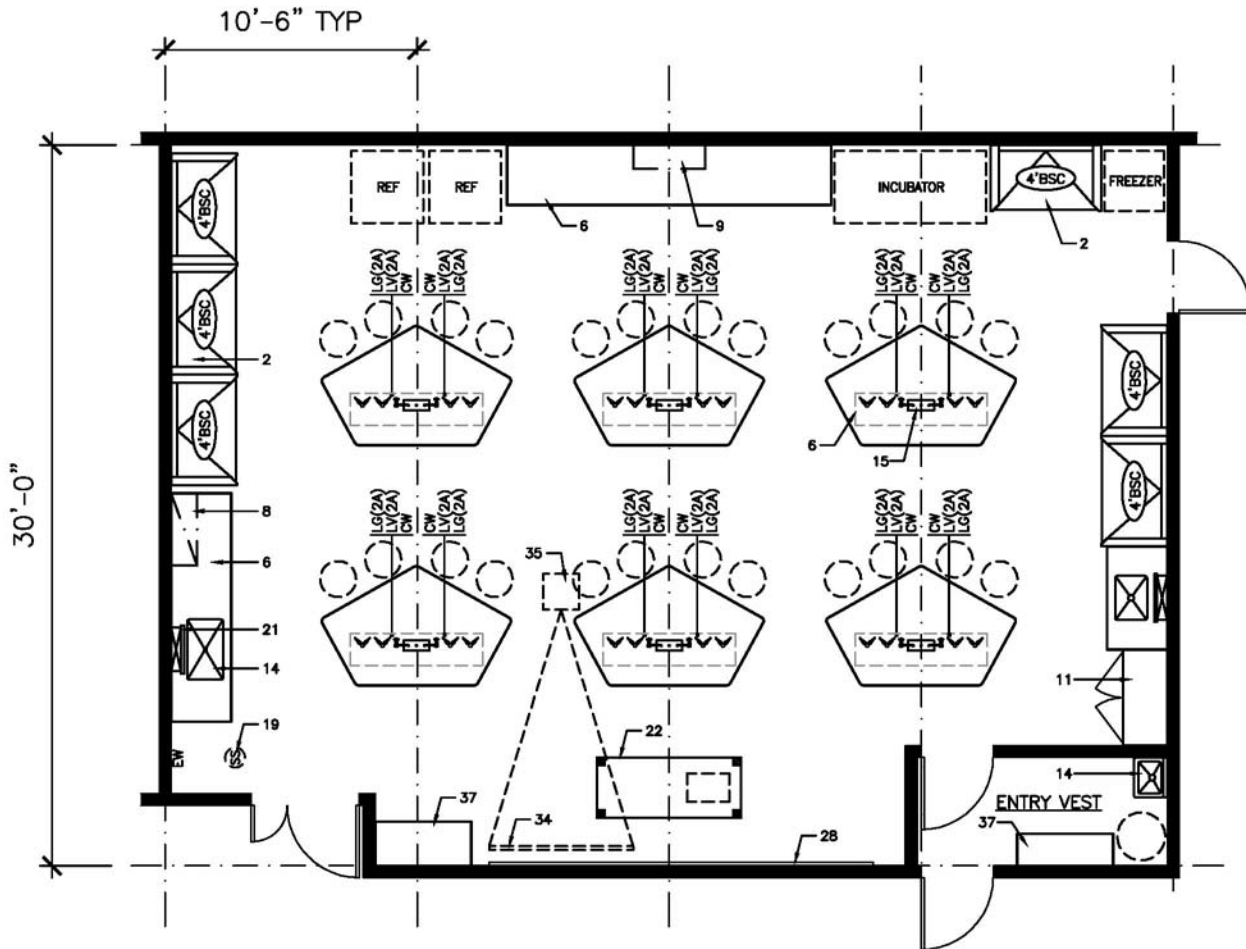
REMARKS	
A.	(6) 4' BSC's class II recirculating
1.	(2) Sinks @ perimeter
2.	Drainage sinks @ Workstations

Appendix A: Room Data Sheets

Room ID No.: 7J
 Room Name: Path. Bact./Med. Mycology Laboratory
 Unit: Microbiology Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 7K Occupancy: 24
 Room Name: Bact. Phy./Genetics/Micro Eco Laboratory Room Size: 1,280 ASF
 Unit: Microbiology Department

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	●
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●
Other	_____
Humidity	
Uncontrolled	●
Other	_____
Minimum Air Changes/Hr.	6
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A.
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●
Laboratory Vacuum (LV)	●
Laboratory Air (LA)	●
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●
Industrial Cold Water (ICW)	●
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	●
Drench Hose (DH)	●

ELECTRICAL

110V, 20A, 1 Phase	●
208V, 30A, 1 Phase	one
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	one
UPS (OFOI)	_____
Phone	_____
Data	●
In Use Light	_____
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	●
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	●
Other	_____

CHEMICALS

Bases	_____
Acids	●
Solvents	●
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	●
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●
Gyp Board, Epoxy Paint	_____
Height	9'-0" min.
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●
1'-6" x 7'	●
Light Tight Rotating Door	_____
Vision Panel	●
Natural Daylight	_____

TECHNOLOGY

Computer	●
DVD or Bluray Player	●
Document Camera	●
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	●
Projection Screen(s)	●
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	●
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	●
Marker Board	●
Clock	●
Pencil Sharpener	●
Teaching Podium	●
Laboratory Workstations	●
Coat Hook(s)	●

ROOM DESCRIPTION

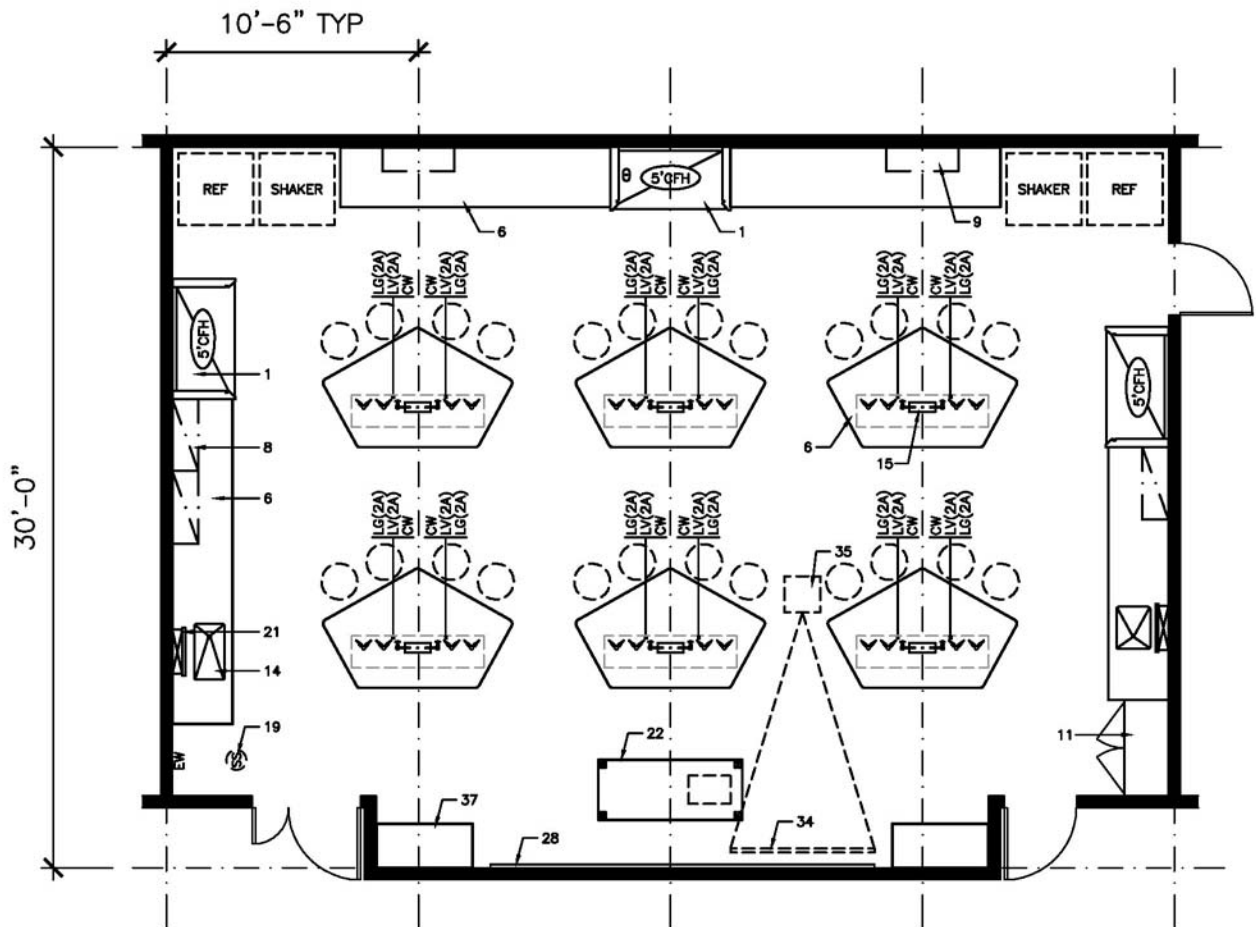
REMARKS

- A. (3) 5' CFH's comb @ 540 cfm each
- 1. 9 AC/H - Max
- 2. (2) Sinks @ perimeter
- 3. Drainage sinks @ Workstations

Appendix A: Room Data Sheets

Room ID No.: 7K Occupancy: 24
 Room Name: Bact Physiology/Genetics/Mic Ecology Lab. Room Size: 1,280 ASF
 Unit: Microbiology Department

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 7L
 Room Name: Gen Ed/Food Micro/Nutrition Laboratory
 Unit: Microbiology Department

Occupancy: 24
 Room Size: 1,280 ASF

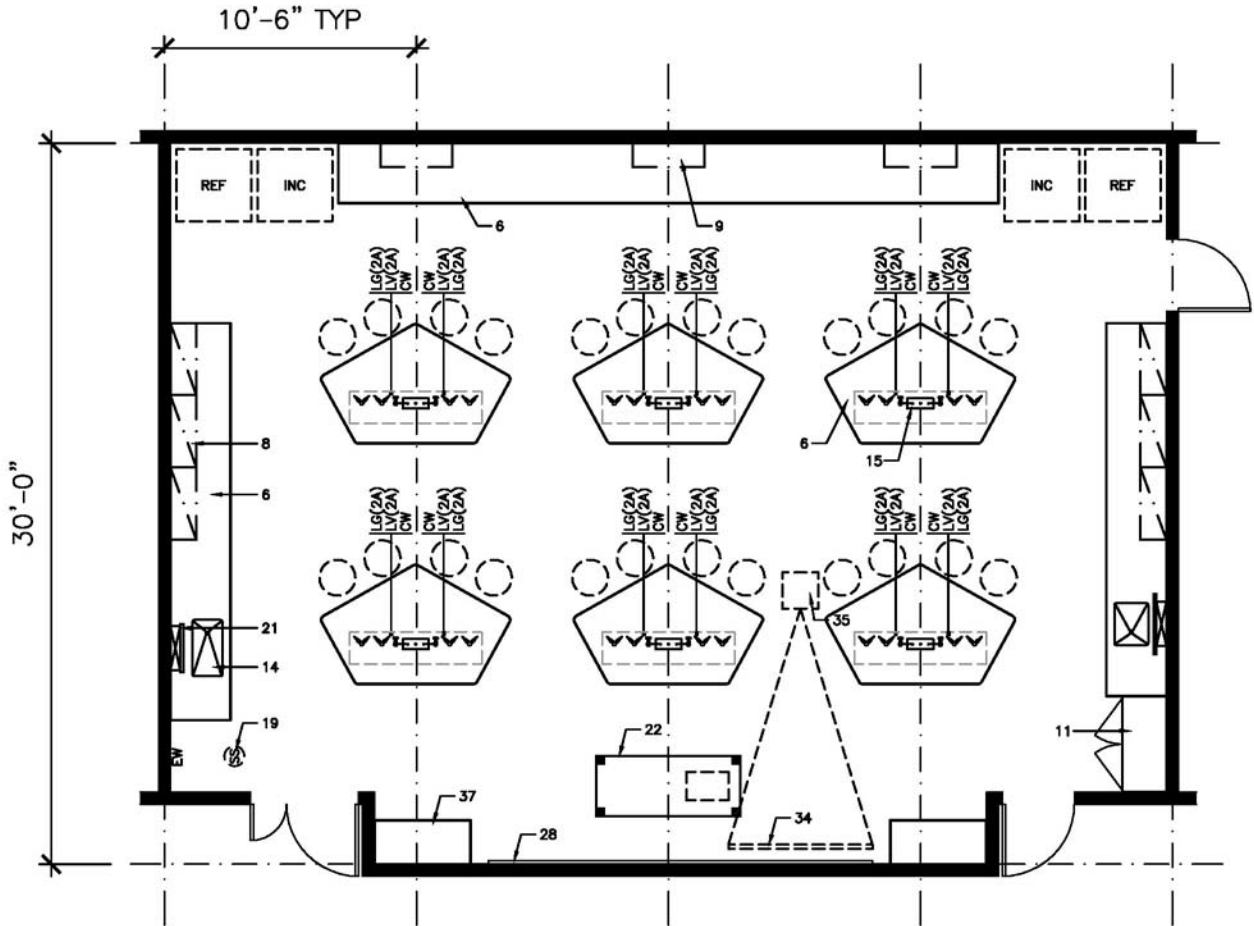
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL	Emergency Power one	Lighting
Temperature	UPS (OFOI)	Audio/Visual
68°-75° ± 2°F ●	Phone	Overhead Projector ●
Other	Data ●	Projection Screen(s) ●
Humidity	In Use Light	Lecture Capture
Uncontrolled ●	Task Lighting	Flat Panel Monitor
Other	Lighting Level	Digital Signage
Minimum Air Changes/Hr. 4	100 fc at bench/desk ●	SMART Board Technology
Air Recirculation	75 fc at bench/desk	
Air Pressure Positive	Safe Light	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting	Movable Chairs ●
Additional Supply Air Filtration	Darkenable	Task Chair(s)
Additional Exhaust Air Filtration	Zoned Lighting ●	Movable Desks
	Other	Movable Laboratory Stations
HOODS	CHEMICALS	Lounge Seating
Chemical Fume Hood	Bases	Movable Table(s)
Radioisotope Hood	Acids	Recycling
Horizontal Laminar Flow Hood	Solvents	Bookshelves
Biological Safety Cabinet	Radioisotopes	Refrigerator
Snorkel	Carcinogens/Regulated	Microwave
Canopy Hood	Chemical Waste Storage	Coffemaker
Low Slotted Exhaust	Biological Storage	Copier/Scanner/Printer
Equipment Exhaust	Radioisotope Storage	
Other	Chemical Storage	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board ●
Vibration Sensitive	Floor	Marker Board ●
Light Sensitive	VCT (Chemical Resistant)	Clock ●
Vibration Producing	VCT	Pencil Sharpener ●
Heat Producing	Welded Seam Sheet Vinyl ●	Teaching Podium ●
Noise Producing	Epoxy	Laboratory Workstations ●
PLUMBING	Carpet	Coat Hook(s) ●
Laboratory Gas (LG) ●	Sealed Concrete	
Laboratory Vacuum (LV) ●	Terrazzo	ROOM DESCRIPTION
Laboratory Air (LA) ●	Tile	
Compressed Air, 100 psi (A)	Other	
Industrial Hot Water (IHW)	Base	
Industrial Cold Water (ICW) ●	4" Vinyl ●	
Potable Hot Water (HW)	Carpet	
Potable Cold Water (CW)	Integral w/floor	
Purified Water (PW) ●	Terrazzo	
Chilled Water (CHW S/R)	Tile	
Steam	Other	
Condensate Return	Partitions	
Carbon Dioxide (CO ₂)	Gyp Board, Epoxy Paint	
Nitrogen Gas (N ₂)	Gyp Board, Paint ●	
Cylinder Gases	Other	
Inert	Ceiling	
Flammable	Open	
Toxic	Acoustical Tile ●	
Floor Drain (FD)	Gyp Board, Epoxy Paint	
Floor Sink (FS)	Height 9'-0" min.	
Safety Shower/Eyewash (SS)	Doors	
Drench Hose (DH) ●	3'-6" x 7'	
	3'-0" x 7'	
	1'-6" x 7'	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	

REMARKS
1. (2) Sinks @ perimeter
2. Drainage sinks @ Workstations

Appendix A: Room Data Sheets

Room ID No.: 7L	Occupancy: 24
Room Name: Gen Ed/Food Micro/Nutrition Laboratory	Room Size: 1,280 ASF
Unit: Microbiology Department	

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 7M
 Room Name: Immunology/Virology Laboratory
 Unit: Microbiology Department

Occupancy: 24
 Room Size: 1,280 ASF

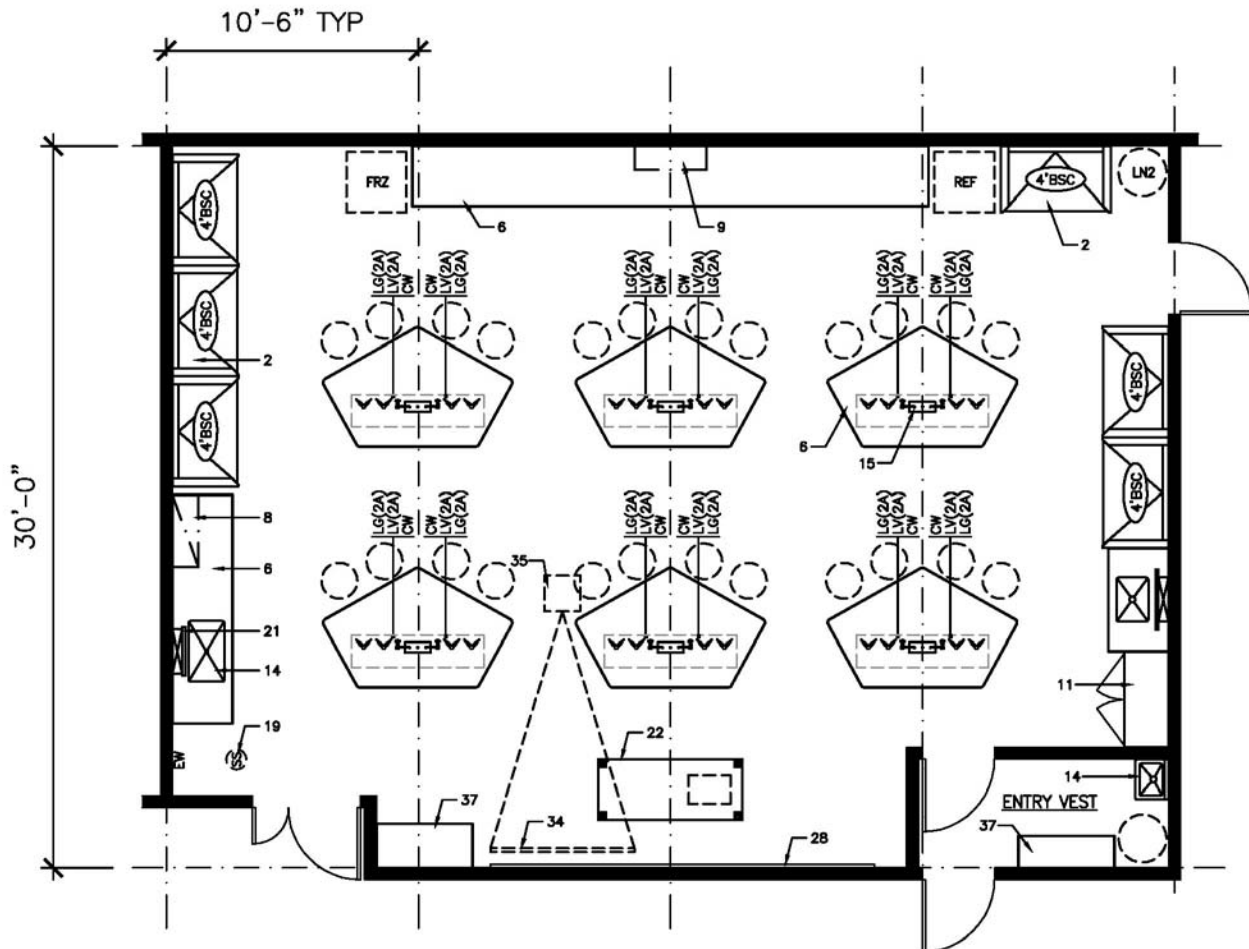
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL		
Temperature	Emergency Power ●	Lighting
68°-75° ± 2°F ●	UPS (OFOI)	Audio/Visual
Other	Phone	Overhead Projector ●
Humidity	Data ●	Projection Screen(s) ●
Uncontrolled ●	In Use Light	Lecture Capture
Other	Task Lighting	Flat Panel Monitor
Minimum Air Changes/Hr. 6	Lighting Level	Digital Signage
Air Recirculation	100 fc at bench/desk ●	SMART Board Technology
Air Pressure Positive	75 fc at bench/desk	
Air Pressure Negative ●	Safe Light	
Additional Supply Air Filtration	Special Lighting	
Additional Exhaust Air Filtration	Darkenable	
	Zoned Lighting ●	
	Other	
HOODS	CHEMICALS	MOVABLE EQUIPMENT
Chemical Fume Hood	Bases	Movable Chairs ●
Radioisotope Hood	Acids ●	Task Chair(s)
Horizontal Laminar Flow Hood	Solvents ●	Movable Desks
Biological Safety Cabinet A.	Radioisotopes	Movable Laboratory Stations
Snorkel	Carcinogens/Regulated	Lounge Seating
Canopy Hood	Chemical Waste Storage ●	Movable Table(s)
Low Slotted Exhaust	Biological Storage ●	Recycling
Equipment Exhaust	Radioisotope Storage	Bookshelves
Other	Chemical Storage	Refrigerator
		Microwave
		Coffeemaker
		Copier/Scanner/Printer
LABORATORY EQUIPMENT	ARCHITECTURAL	FIXED EQUIPMENT
Vibration Sensitive ●	Floor	Bulletin Board ●
Light Sensitive	VCT (Chemical Resistant)	Marker Board ●
Vibration Producing	VCT	Clock ●
Heat Producing	Welded Seam Sheet Vinyl ●	Pencil Sharpener ●
Noise Producing	Epoxy	Teaching Podium ●
	Carpet	Laboratory Workstations ●
	Sealed Concrete	Coat Hook(s) ●
	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl ●	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint ●	
	Other	
	Ceiling	
	Open	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint	
	Height 9'-0" min.	
	Doors	
	3'-6" x 7'	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	
ROOM DESCRIPTION	REMARKS	
	A. (6) 4' BSC's class II recirculating	
	1. (2) Sinks @ perimeter	
	2. Drainage sinks @ Workstations	

Appendix A: Room Data Sheets

Room ID No.: 7M
 Room Name: Immunology/Virology (1)
 Unit: Microbiology Department

Occupancy: 24
 Room Size: 1280

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 7N2
 Room Name: Tissue Culture
 Unit: Microbiology Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet A
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂)
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. (2) 5' BSC's recirculating
- 1. (1) Sink

Appendix A: Room Data Sheets

Room ID No.: 7N3
 Room Name: Centrifuge Room
 Unit: Microbiology Department

Occupancy:
 Room Size: 480 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 7N4
 Room Name: Fermentation Lab
 Unit: Microbiology Department

Occupancy:
 Room Size: 800 ASF

<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">● _____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	6 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	● _____	Heat Producing	● _____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	● _____	Laboratory Vacuum (LV)	● _____	Laboratory Air (LA)	● _____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	● _____	Industrial Cold Water (ICW)	● _____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	● _____	Chilled Water (CHW S/R)	● _____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	● _____	Cylinder Gases	_____	Inert	● _____	Flammable	_____	Toxic	_____	Floor Drain (FD)	● _____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	● _____	<table border="0" style="width: 100%; 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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	● _____	208V, 30A, 1 Phase	● _____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	● _____	Isolated Ground Outlet	_____	Emergency Power	● _____	UPS (OFOI)	_____	Phone	_____	Data	● _____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	● _____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	● _____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	● _____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	● _____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	● _____	Light Tight Rotating Door	_____	Vision Panel	● _____	Natural Daylight	_____	<table border="0" style="width: 100%; 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color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; 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Laboratory Vacuum (LV)	● _____																																																																																																																																																																																																																																																																																																																																	
Laboratory Air (LA)	● _____																																																																																																																																																																																																																																																																																																																																	
Compressed Air, 100 psi (A)	_____																																																																																																																																																																																																																																																																																																																																	
Industrial Hot Water (IHW)	● _____																																																																																																																																																																																																																																																																																																																																	
Industrial Cold Water (ICW)	● _____																																																																																																																																																																																																																																																																																																																																	
Potable Hot Water (HW)	_____																																																																																																																																																																																																																																																																																																																																	
Potable Cold Water (CW)	_____																																																																																																																																																																																																																																																																																																																																	
Purified Water (PW)	● _____																																																																																																																																																																																																																																																																																																																																	
Chilled Water (CHW S/R)	● _____																																																																																																																																																																																																																																																																																																																																	
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Floor Sink (FS)	_____																																																																																																																																																																																																																																																																																																																																	
Safety Shower/Eyewash (SS)	_____																																																																																																																																																																																																																																																																																																																																	
Drench Hose (DH)	● _____																																																																																																																																																																																																																																																																																																																																	
ELECTRICAL																																																																																																																																																																																																																																																																																																																																		
110V, 20A, 1 Phase	● _____																																																																																																																																																																																																																																																																																																																																	
208V, 30A, 1 Phase	● _____																																																																																																																																																																																																																																																																																																																																	
208V, 30A, 3 Phase	_____																																																																																																																																																																																																																																																																																																																																	
480V, 100A, 3 Phase	● _____																																																																																																																																																																																																																																																																																																																																	
Isolated Ground Outlet	_____																																																																																																																																																																																																																																																																																																																																	
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Movable Laboratory Stations	_____																																																																																																																																																																																																																																																																																																																																	
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1. (1) Sink																																																																																																																																																																																																																																																																																																																																		

Appendix A: Room Data Sheets

Room ID No.: 7N5
 Room Name: Cold Room
 Unit: Microbiology Department

Occupancy:
 Room Size: 160 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	●_____

MECHANICAL

Temperature	
68°-75° ± 2°F	_____
Other	+4C_____
Humidity	
Uncontrolled	●_____
Other	_____
Minimum Air Changes/Hr.	A._____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LA)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____
Industrial Cold Water (ICW)	●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	●_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____

ELECTRICAL

110V, 20A, 1 Phase	●_____
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	_____
Data	●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	_____
100 fc at bench/desk	_____
75 fc at bench/desk	●_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	_____
Sealed Concrete	●_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	fab_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	_____
Other	fab_____
Ceiling	
Open	fab_____
Acoustical Tile	_____
Gyp Board, Epoxy Paint	_____
Height	8'-0" min._____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●_____
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	●_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	●_____
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- A. 50 cfm exhaust
- 1. (1) Sink
- 2. Distillation rack

Appendix A: Room Data Sheets

Room ID No.: 7N6
Room Name: Equipment/Instrument Room and Storage
Unit: Microbiology Department
Occupancy: _____
Room Size: 480 ASF

UTILIZATION

Hours of Use
8 hours/day _____
14 hours/day _____
24 hours/day

MECHANICAL

Temperature
68°-75° ± 2°F
Other _____
Humidity
Uncontrolled
Other _____
Minimum Air Changes/Hr. 6
Air Recirculation _____
Air Pressure Positive _____
Air Pressure Negative
Additional Supply Air Filtration _____
Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
Radioisotope Hood _____
Horizontal Laminar Flow Hood _____
Biological Safety Cabinet _____
Snorkel _____
Canopy Hood _____
Low Slotted Exhaust _____
Equipment Exhaust _____
Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
Light Sensitive _____
Vibration Producing
Heat Producing
Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
Laboratory Vacuum (LV) _____
Laboratory Air (LA) _____
Compressed Air, 100 psi (A) _____
Industrial Hot Water (IHW) _____
Industrial Cold Water (ICW) _____
Potable Hot Water (HW) _____
Potable Cold Water (CW) _____
Purified Water (PW) _____
Chilled Water (CHW S/R) _____
Steam _____
Condensate Return _____
Carbon Dioxide (CO₂) _____
Nitrogen Gas (N₂) _____
Cylinder Gases
Inert _____
Flammable _____
Toxic _____
Floor Drain (FD) _____
Floor Sink (FS) _____
Safety Shower/Eyewash (SS) _____
Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
208V, 30A, 1 Phase
208V, 30A, 3 Phase _____
480V, 100A, 3 Phase _____
Isolated Ground Outlet _____
Emergency Power
UPS (OFOI) _____
Phone _____
Data _____
In Use Light _____
Task Lighting _____
Lighting Level _____
100 fc at bench/desk _____
75 fc at bench/desk
Safe Light _____
Special Lighting _____
Darkenable _____
Zoned Lighting _____
Other _____

CHEMICALS

Bases _____
Acids _____
Solvents _____
Radioisotopes _____
Carcinogens/Regulated _____
Chemical Waste Storage _____
Biological Storage _____
Radioisotope Storage _____
Chemical Storage _____

ARCHITECTURAL

Floor
VCT (Chemical Resistant) _____
VCT _____
Welded Seam Sheet Vinyl
Epoxy _____
Carpet _____
Sealed Concrete _____
Terrazzo _____
Tile _____
Other _____
Base
4" Vinyl
Carpet _____
Integral w/floor _____
Terrazzo _____
Tile _____
Other _____
Partitions
Gyp Board, Epoxy Paint _____
Gyp Board, Paint
Other _____
Ceiling
Open _____
Acoustical Tile
Gyp Board, Epoxy Paint _____
Height 9'-0" min.
Doors
3'-6" x 7' _____
3'-0" x 7'
1'-6" x 7'
Light Tight Rotating Door _____
Vision Panel
Natural Daylight _____

TECHNOLOGY

Computer _____
DVD or Bluray Player _____
Document Camera _____
Audio System _____
Touch-Screen Controls _____
Lighting _____
Audio/Visual _____
Overhead Projector _____
Projection Screen(s) _____
Lecture Capture _____
Flat Panel Monitor _____
Digital Signage _____
SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
Task Chair(s) _____
Movable Desks _____
Movable Laboratory Stations _____
Lounge Seating _____
Movable Table(s) _____
Recycling _____
Bookshelves _____
Refrigerator _____
Microwave _____
Coffeemaker _____
Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
Marker Board _____
Clock _____
Pencil Sharpener _____
Teaching Podium _____
Laboratory Workstations _____
Coat Hook(s) _____

ROOM DESCRIPTION**REMARKS**

Appendix A: Room Data Sheets

Room ID No.: 701
 Room Name: Faculty/Student Research – Virology
 Unit: Microbiology Department
 Occupancy: 1
 Room Size: 960 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	
8 hours/day	_____	208V, 30A, 1 Phase	one	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	●	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
MECHANICAL		UPS (OFOI)		Lighting	
Temperature		Emergency Power	●	Audio/Visual	_____
68°-75° ± 2°F	●	Phone	_____	Overhead Projector	_____
Other	_____	Data	●	Projection Screen(s)	_____
Humidity		In Use Light	_____	Lecture Capture	_____
Uncontrolled	●	Task Lighting	_____	Flat Panel Monitor	_____
Other	_____	Lighting Level		Digital Signage	_____
Minimum Air Changes/Hr.	4	100 fc at bench/desk	●	SMART Board Technology	_____
Air Recirculation	_____	75 fc at bench/desk	_____		
Air Pressure Positive	_____	Safe Light	_____		
Air Pressure Negative	●	Special Lighting	_____		
Additional Supply Air Filtration	_____	Darkenable	_____		
Additional Exhaust Air Filtration	_____	Zoned Lighting	●		
		Other	_____		
HOODS		CHEMICALS		MOVABLE EQUIPMENT	
Chemical Fume Hood	A.	Bases	_____	Movable Chairs	_____
Radioisotope Hood	_____	Acids	●	Task Chair(s)	_____
Horizontal Laminar Flow Hood	_____	Solvents	●	Movable Desks	_____
Biological Safety Cabinet	_____	Radioisotopes	_____	Movable Laboratory Stations	_____
Snorkel	_____	Carcinogens/Regulated	_____	Lounge Seating	_____
Canopy Hood	_____	Chemical Waste Storage	●	Movable Table(s)	_____
Low Slotted Exhaust	_____	Biological Storage	●	Recycling	_____
Equipment Exhaust	_____	Radioisotope Storage	_____	Bookshelves	_____
Other	_____	Chemical Storage	_____	Refrigerator	_____
		ARCHITECTURAL		Microwave	_____
		Floor		Coffeemaker	_____
		VCT (Chemical Resistant)	_____	Copier/Scanner/Printer	_____
		VCT	_____	FIXED EQUIPMENT	
		Welded Seam Sheet Vinyl	●	Bulletin Board	_____
		Epoxy	_____	Marker Board	_____
		Carpet	_____	Clock	_____
		Sealed Concrete	_____	Pencil Sharpener	_____
		Terrazzo	_____	Teaching Podium	_____
		Tile	_____	Laboratory Workstations	_____
		Other	_____	Coat Hook(s)	_____
		Base		ROOM DESCRIPTION	
		4" Vinyl	●		
		Carpet	_____		
		Integral w/floor	_____		
		Terrazzo	_____		
		Tile	_____		
		Other	_____		
		Partitions		REMARKS	
		Gyp Board, Epoxy Paint	_____	A.	5' CFH @ 650 cfm
		Gyp Board, Paint	●	1.	5 AC/H - Max
		Other	_____	2.	2 sinks @ perimeter
		Ceiling			
		Open	_____		
		Acoustical Tile	●		
		Gyp Board, Epoxy Paint	_____		
		Height	9'-0" min.		
		Doors			
		3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	●		
		Light Tight Rotating Door	_____		
		Vision Panel	●		
		Natural Daylight	_____		

Appendix A: Room Data Sheets

Room ID No.: 702 Occupancy: 1
 Room Name: Faculty/Student Research – Pathogenic Room Size: 960 ASF
 Unit: Microbiology Department

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	●_____

MECHANICAL

Temperature	
68°-75° ± 2°F	●_____
Other	_____
Humidity	
Uncontrolled	●_____
Other	_____
Minimum Air Changes/Hr.	4_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	A._____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	B._____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	●_____
Laboratory Vacuum (LV)	●_____
Laboratory Air (LA)	●_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	●_____
Industrial Cold Water (ICW)	●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	●_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	_____
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	●_____
Drench Hose (DH)	●_____

ELECTRICAL

110V, 20A, 1 Phase	●_____
208V, 30A, 1 Phase	one_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	●_____
UPS (OFOI)	_____
Phone	_____
Data	●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	●_____
Other	_____

CHEMICALS

Bases	_____
Acids	●_____
Solvents	●_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	●_____
Biological Storage	●_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●_____
Gyp Board, Epoxy Paint	_____
Height	9'-0" min._____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●_____
1'-6" x 7'	●_____
Light Tight Rotating Door	_____
Vision Panel	●_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	_____
Coat Hook(s)	_____

ROOM DESCRIPTION

REMARKS

- A. 4' CFH @ 500 cfm
- B. 4' BSC recirculating
- 1. 2 sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 703 Occupancy: 1
 Room Name: Faculty/Student Research – Genetics Room Size: 960 ASF
 Unit: Microbiology Department

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A. _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW)
 Potable Hot Water (HW)
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R)
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 5' CFH @ 650 cfm
- 1. 5 AC/H – Max
- 2. 2 sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 7P1
 Room Name: Faculty/Student Research –Immunology
 Unit: Microbiology Department
 Occupancy: 1
 Room Size: 640 ASF

<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">UTILIZATION</div> <p>Hours of Use _____ 8 hours/day _____ 14 hours/day _____ 24 hours/day _____ ●</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">ELECTRICAL</div> <p>110V, 20A, 1 Phase ● 208V, 30A, 1 Phase <u>one</u> 208V, 30A, 3 Phase _____ 480V, 100A, 3 Phase _____ Isolated Ground Outlet _____ Emergency Power ● UPS (OFOI) _____ Phone _____ Data ● In Use Light _____ Task Lighting _____ Lighting Level _____ 100 fc at bench/desk ● 75 fc at bench/desk _____ Safe Light _____ Special Lighting _____ Darkenable _____ Zoned Lighting _____ Other _____</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">TECHNOLOGY</div> <p>Computer _____ DVD or Bluray Player _____ Document Camera _____ Audio System _____ Touch-Screen Controls _____ Lighting _____ Audio/Visual _____ Overhead Projector _____ Projection Screen(s) _____ Lecture Capture _____ Flat Panel Monitor _____ Digital Signage _____ SMART Board Technology _____</p>
<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">MECHANICAL</div> <p>Temperature _____ 68°-75° ± 2°F ● Other _____ Humidity _____ Uncontrolled ● Other _____ Minimum Air Changes/Hr. <u>4</u> Air Recirculation _____ Air Pressure Positive _____ Air Pressure Negative ● Additional Supply Air Filtration _____ Additional Exhaust Air Filtration _____</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">CHEMICALS</div> <p>Bases _____ Acids ● Solvents ● Radioisotopes _____ Carcinogens/Regulated _____ Chemical Waste Storage ● Biological Storage ● Radioisotope Storage _____ Chemical Storage _____</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">MOVABLE EQUIPMENT</div> <p>Movable Chairs _____ Task Chair(s) _____ Movable Desks _____ Movable Laboratory Stations _____ Lounge Seating _____ Movable Table(s) _____ Recycling _____ Bookshelves _____ Refrigerator _____ Microwave _____ Coffeemaker _____ Copier/Scanner/Printer _____</p>
<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">HOODS</div> <p>Chemical Fume Hood <u>A.</u> Radioisotope Hood _____ Horizontal Laminar Flow Hood <u>B.</u> Biological Safety Cabinet _____ Snorkel _____ Canopy Hood _____ Low Slotted Exhaust _____ Equipment Exhaust _____ Other _____</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">ARCHITECTURAL</div> <p>Floor _____ VCT (Chemical Resistant) _____ VCT _____ Welded Seam Sheet Vinyl ● Epoxy _____ Carpet _____ Sealed Concrete _____ Terrazzo _____ Tile _____ Other _____ Base _____ 4" Vinyl ● Carpet _____ Integral w/floor _____ Terrazzo _____ Tile _____ Other _____ Partitions _____ Gyp Board, Epoxy Paint _____ Gyp Board, Paint ● Other _____ Ceiling _____ Open _____ Acoustical Tile ● Gyp Board, Epoxy Paint _____ Height <u>9'-0" min.</u> Doors _____ 3'-6" x 7' _____ 3'-0" x 7' ● 1'-6" x 7' ● Light Tight Rotating Door _____ Vision Panel ● Natural Daylight _____</p>	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">FIXED EQUIPMENT</div> <p>Bulletin Board _____ Marker Board _____ Clock _____ Pencil Sharpener _____ Teaching Podium _____ Laboratory Workstations _____ Coat Hook(s) _____</p>
<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">LABORATORY EQUIPMENT</div> <p>Vibration Sensitive _____ Light Sensitive _____ Vibration Producing _____ Heat Producing _____ Noise Producing _____</p>		<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">ROOM DESCRIPTION</div>
<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">PLUMBING</div> <p>Laboratory Gas (LG) ● Laboratory Vacuum (LV) ● Laboratory Air (LA) ● Compressed Air, 100 psi (A) _____ Industrial Hot Water (IHW) ● Industrial Cold Water (ICW) ● Potable Hot Water (HW) _____ Potable Cold Water (CW) _____ Purified Water (PW) ● Chilled Water (CHW S/R) _____ Steam _____ Condensate Return _____ Carbon Dioxide (CO₂) ● Nitrogen Gas (N₂) _____ Cylinder Gases _____ Inert _____ Flammable _____ Toxic _____ Floor Drain (FD) _____ Floor Sink (FS) _____ Safety Shower/Eyewash (SS) ● Drench Hose (DH) ●</p>		<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">REMARKS</div> <p>A. 5'CFH @ 650 cfm B. 5' LFH recirculating 1. 5 AC/H – Max 2. 2 sinks @ perimeter</p>

Appendix A: Room Data Sheets

Room ID No.: 7P2 Occupancy: 1
 Room Name: Faculty/Student Research –Bacterial Phys. Room Size: 640 ASF
 Unit: Microbiology Department

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power ●	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk ●	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk _____	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs _____
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood A.	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids ●	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents ●	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage ●	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage ●	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board _____
Vibration Sensitive _____	Floor _____	Marker Board _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Clock _____
Vibration Producing _____	VCT _____	Pencil Sharpener _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Teaching Podium _____
Noise Producing _____	Epoxy _____	Laboratory Workstations _____
	Carpet _____	Coat Hook(s) _____
PLUMBING	Sealed Concrete _____	ROOM DESCRIPTION
Laboratory Gas (LG) ●	Terrazzo _____	
Laboratory Vacuum (LV) ●	Tile _____	
Laboratory Air (LA) ●	Other _____	
Compressed Air, 100 psi (A) _____	Base _____	
Industrial Hot Water (IHW) ●	4" Vinyl _____	
Industrial Cold Water (ICW) ●	Carpet _____	
Potable Hot Water (HW) _____	Integral w/floor _____	
Potable Cold Water (CW) _____	Terrazzo _____	
Purified Water (PW) ●	Tile _____	
Chilled Water (CHW S/R) _____	Other _____	
Steam _____	Partitions _____	
Condensate Return _____	Gyp Board, Epoxy Paint _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Paint ●	
Nitrogen Gas (N ₂) _____	Other _____	
Cylinder Gases ●	Ceiling _____	
Inert _____	Open _____	
Flammable _____	Acoustical Tile ●	
Toxic _____	Gyp Board, Epoxy Paint _____	
Floor Drain (FD) _____	Height 9'-0" min.	
Floor Sink (FS) _____	Doors _____	
Safety Shower/Eyewash (SS) ●	3'-6" x 7' _____	
Drench Hose (DH) ●	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		A. 5' CFH @ 650 cfm
		1. 5AC/H – Max
		2. 2 sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 7P3 Occupancy: 1
 Room Name: Faculty/Student Research –Microbial Eco. Room Size: 640 ASF
 Unit: Microbiology Department

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature _____
 68°-75° ± 2°F
 Other _____
 Humidity _____
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂)
 Cylinder Gases _____
 Inert
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling _____
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION
REMARKS

- A. 4' CFH @ 500cfm
- 1. 2 sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 7Q1 Occupancy: 1
 Room Name: Faculty/Student Research - Microbiology Room Size: 480 ASF
 Unit: Microbiology Department

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature _____
 68°-75° ± 2°F
 Other _____
 Humidity _____
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A. _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet B. _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling _____
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 4' CFH @ 500 cfm
- B. 4' BSC recirculating
- 1. 1 sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 7R.1-3
 Room Name: General Lab/Departmental Storage
 Unit: Microbiology Department

Occupancy:
 Room Size: 120 ASF x 3

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">4 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	4 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">9'-0" min. _____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	● _____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	● _____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	● _____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	● _____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	9'-0" min. _____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	● _____	1'-6" x 7'	● _____	Light Tight Rotating Door	_____	Vision Panel	● _____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">TECHNOLOGY</th> </tr> <tr> <td style="padding: 2px;">Computer</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">DVD or Bluray Player</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Document Camera</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Audio System</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Touch-Screen Controls</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Audio/Visual</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Overhead Projector</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Projection Screen(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lecture Capture</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Flat Panel Monitor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Digital Signage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">SMART Board Technology</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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Industrial shelving units</td> </tr> </table>	TECHNOLOGY		Computer	_____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	_____	Movable Desks	_____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	_____	ROOM DESCRIPTION				REMARKS			1. Industrial shelving units
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Appendix A: Room Data Sheets

Room ID No.: 8A
 Room Name: Department Chair's Office
 Unit: Physics Department

Occupancy: 1
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 8B.1-7
 Room Name: Ranked Faculty Office
 Unit: Physics Department

Occupancy: 1
 Room Size: 120 ASF x 7

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Appendix A: Room Data Sheets

Room ID No.: 8C
 Room Name: Future Ranked Faculty Office
 Unit: Physics Department

Occupancy: 1
 Room Size: 120 ASF

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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 8D
 Room Name: Lecturer – Part Time
 Unit: Physics Department

Occupancy: 2
 Room Size: 120 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting ● _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet ● _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet ● _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) ● _____
 Movable Desks ● _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 8E
 Room Name: Support Staff/Reception Area/Files
 Unit: Physics Department

Occupancy: 6
 Room Size: 237 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer ●
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone ●	Overhead Projector _____
	Data ●	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting ●	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs ●
68°-75° ± 2°F _____	Acids _____	Task Chair(s) ●
Other _____	Solvents _____	Movable Desks ●
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board ●
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet ●	Laboratory Workstations _____
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) ●
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl _____	
	Carpet ●	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min. _____	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
LABORATORY EQUIPMENT	ROOM DESCRIPTION	REMARKS
Vibration Sensitive _____		
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 8F
 Room Name: Workroom
 Unit: Physics Department

Occupancy:
 Room Size: 120 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT ● _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator ● _____
 Microwave _____
 Coffeemaker ● _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

1. Single compartment sink
2. (1) Mail slot organizer

Appendix A: Room Data Sheets

Room ID No.: 8G
 Room Name: Office Storage
 Unit: Physics Department

Occupancy:
 Room Size: 120 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td>Hours of Use</td> <td>_____</td> </tr> <tr> <td> 8 hours/day</td> <td>_____</td> </tr> <tr> <td> 14 hours/day</td> <td>_____</td> </tr> <tr> <td> 24 hours/day</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td>Temperature</td> <td>_____</td> </tr> <tr> <td> 68°-75° ± 2°F</td> <td>_____</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Humidity</td> <td>_____</td> </tr> <tr> <td> Uncontrolled</td> <td>_____</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Minimum Air Changes/Hr.</td> <td>_____</td> </tr> <tr> <td>Air Recirculation</td> <td>_____</td> </tr> <tr> <td>Air Pressure Positive</td> <td>_____</td> </tr> <tr> <td>Air Pressure Negative</td> <td>_____</td> </tr> <tr> <td>Additional Supply Air Filtration</td> <td>_____</td> </tr> <tr> <td>Additional Exhaust Air Filtration</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 8H
 Room Name: Lab Support Staff
 Unit: Physics Department

Occupancy: 1
 Room Size: 120 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting ● _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet ● _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet ● _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) ● _____
 Movable Desks ● _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves ● _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 8I.1-3
 Room Name: Student Workers (Lab Prep)
 Unit: Physics Department

Occupancy: 1
 Room Size: 35 ASF x 3

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 8J
 Room Name: Introductory Physics Laboratory
 Unit: Physics Department

Occupancy: 30
 Room Size: 1,920 ASF

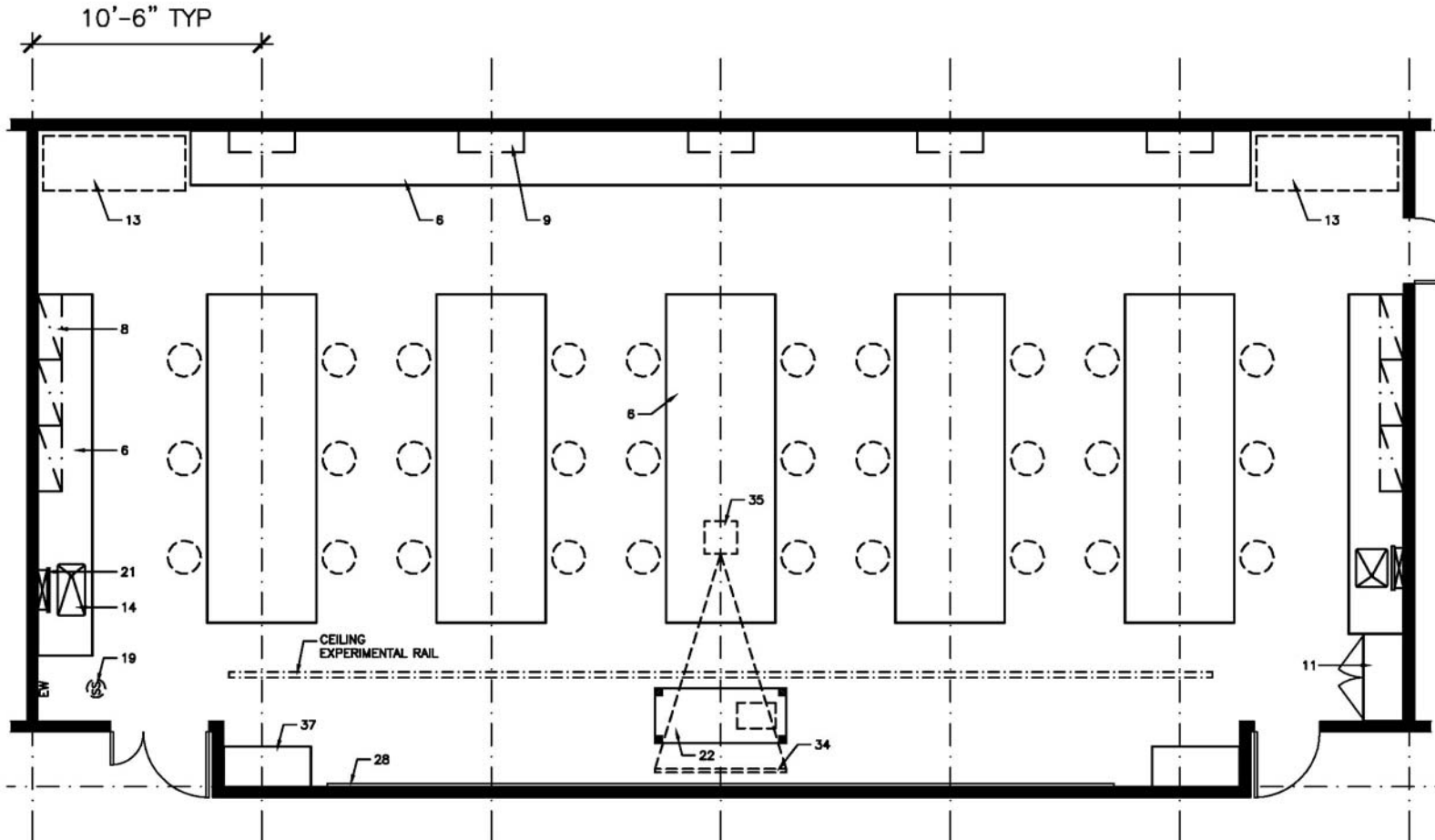
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL	EMERGENCY POWER	MOVABLE EQUIPMENT
Temperature	Emergency Power one	Movable Chairs ●
68°-75° ± 2°F ●	UPS (OFOI)	Task Chair(s)
Other	Phone	Movable Desks
Humidity	Data ●	Movable Laboratory Stations
Uncontrolled ●	In Use Light	Lounge Seating
Other	Task Lighting	Movable Table(s)
Minimum Air Changes/Hr. 4	Lighting Level	Recycling
Air Recirculation	100 fc at bench/desk ●	Bookshelves
Air Pressure Positive	75 fc at bench/desk	Refrigerator
Air Pressure Negative ●	Safe Light	Microwave
Additional Supply Air Filtration	Special Lighting	Coffeemaker
Additional Exhaust Air Filtration	Darkenable	Copier/Scanner/Printer
	Zoned Lighting ●	
	Other	
HOODS	CHEMICALS	FIXED EQUIPMENT
Chemical Fume Hood	Bases	Bulletin Board ●
Radioisotope Hood	Acids	Marker Board ●
Horizontal Laminar Flow Hood	Solvents	Clock ●
Biological Safety Cabinet	Radioisotopes	Pencil Sharpener ●
Snorkel	Carcinogens/Regulated	Teaching Podium ●
Canopy Hood	Chemical Waste Storage	Laboratory Workstations ●
Low Slotted Exhaust	Biological Storage	Coat Hook(s) ●
Equipment Exhaust	Radioisotope Storage	
Other	Chemical Storage	
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive	Floor	
Light Sensitive	VCT (Chemical Resistant)	
Vibration Producing	VCT	
Heat Producing	Welded Seam Sheet Vinyl ●	
Noise Producing	Epoxy	
	Carpet	
	Sealed Concrete	
	Terrazzo	
	Tile	
	Other	
	Base	
	4" Vinyl ●	
	Carpet	
	Integral w/floor	
	Terrazzo	
	Tile	
	Other	
	Partitions	
	Gyp Board, Epoxy Paint	
	Gyp Board, Paint ●	
	Other	
	Ceiling	
	Open	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint	
	Height 9'-0" min.	
	Doors	
	3'-6" x 7'	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	
REMARKS		
1. Ceiling experimental rail		
2. (2) Sinks @ perimeter		

Appendix A: Room Data Sheets

Room ID No.: 8J
 Room Name: Introductory Physics Laboratory
 Unit: Physics Department

Occupancy: 30
 Room Size: 1,920 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 8K
 Room Name: Electronics/Astronomy Laboratory
 Unit: Physics Department

Occupancy: 30
 Room Size: 1,280 ASF

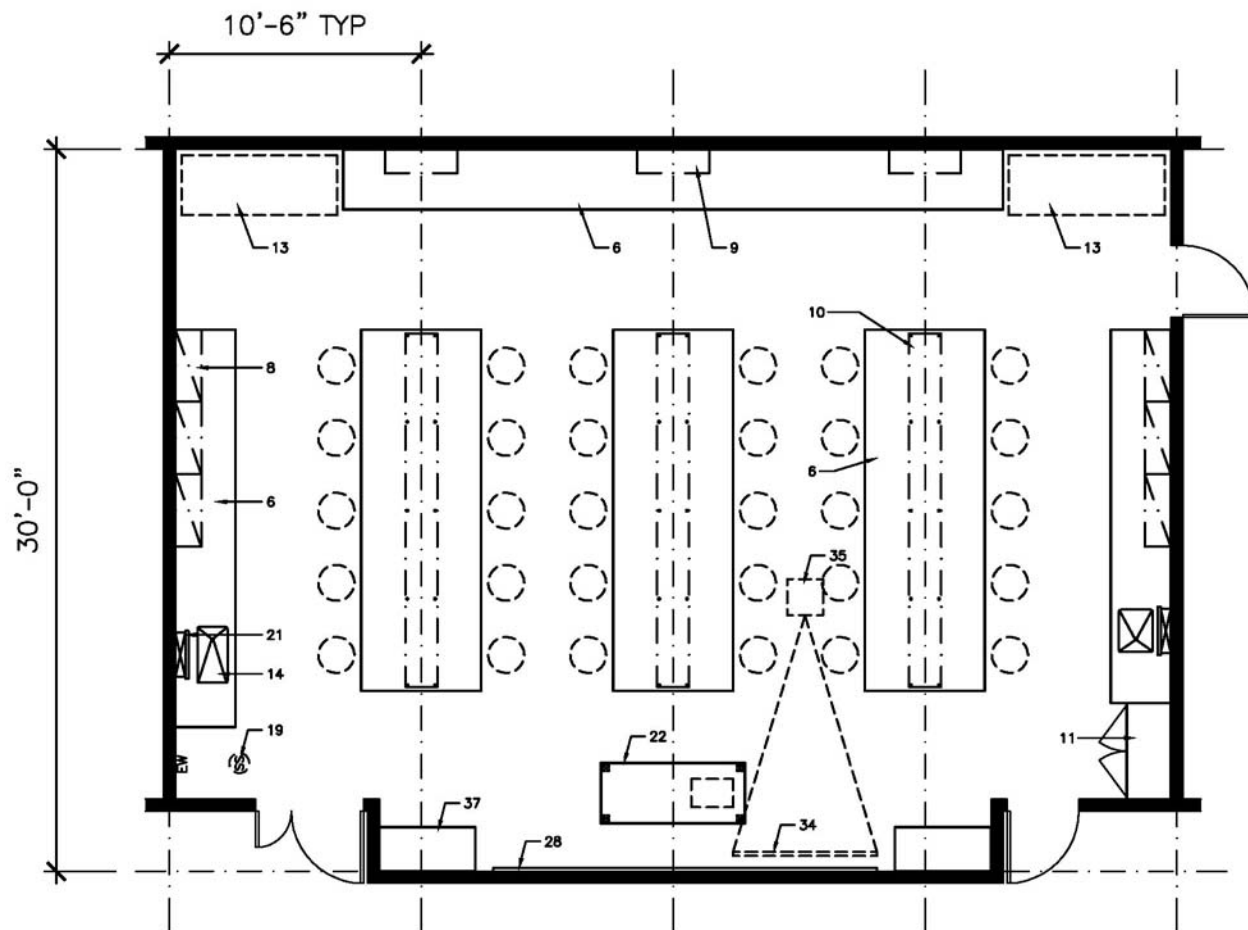
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL	Emergency Power one	Lighting
Temperature	UPS (OFOI)	Audio/Visual
68°-75° ± 2°F ●	Phone	Overhead Projector ●
Other	Data ●	Projection Screen(s) ●
Humidity	In Use Light	Lecture Capture
Uncontrolled ●	Task Lighting	Flat Panel Monitor
Other	Lighting Level	Digital Signage
Minimum Air Changes/Hr. 6	100 fc at bench/desk ●	SMART Board Technology
Air Recirculation	75 fc at bench/desk	
Air Pressure Positive	Safe Light	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting	Movable Chairs ●
Additional Supply Air Filtration	Darkenable	Task Chair(s)
Additional Exhaust Air Filtration	Zoned Lighting ●	Movable Desks
	Other	Movable Laboratory Stations
HOODS		Lounge Seating
Chemical Fume Hood	CHEMICALS	Movable Table(s)
Radioisotope Hood	Bases	Recycling
Horizontal Laminar Flow Hood	Acids	Bookshelves
Biological Safety Cabinet	Solvents	Refrigerator
Snorkel	Radioisotopes	Microwave
Canopy Hood	Carcinogens/Regulated	Coffeemaker
Low Slotted Exhaust	Chemical Waste Storage	Copier/Scanner/Printer
Equipment Exhaust	Biological Storage	
Other	Radioisotope Storage	FIXED EQUIPMENT
	Chemical Storage	Bulletin Board ●
LABORATORY EQUIPMENT	ARCHITECTURAL	Marker Board ●
Vibration Sensitive	Floor	Clock ●
Light Sensitive	VCT (Chemical Resistant)	Pencil Sharpener ●
Vibration Producing	VCT	Teaching Podium ●
Heat Producing	Welded Seam Sheet Vinyl ●	Laboratory Workstations 1.
Noise Producing	Epoxy	Coat Hook(s) ●
	Carpet	
PLUMBING	Sealed Concrete	ROOM DESCRIPTION
Laboratory Gas (LG)	Terrazzo	
Laboratory Vacuum (LV) ●	Tile	
Laboratory Air (LA) ●	Other	
Compressed Air, 100 psi (A)	Base	
Industrial Hot Water (IHW)	4" Vinyl ●	
Industrial Cold Water (ICW)	Carpet	
Potable Hot Water (HW)	Integral w/floor	
Potable Cold Water (CW)	Terrazzo	
Purified Water (PW)	Tile	
Chilled Water (CHW S/R)	Other	
Steam	Partitions	
Condensate Return	Gyp Board, Epoxy Paint	
Carbon Dioxide (CO ₂)	Gyp Board, Paint ●	
Nitrogen Gas (N ₂)	Other	
Cylinder Gases	Ceiling	
Inert	Open	
Flammable	Acoustical Tile ●	
Toxic	Gyp Board, Epoxy Paint	
Floor Drain (FD)	Height 9'-0" min.	
Floor Sink (FS)	Doors	
Safety Shower/Eyewash (SS)	3'-6" x 7'	
Drench Hose (DH) ●	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	
		REMARKS
		1. Equipment over shelf at student stations
		2. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8K
 Room Name: Electronics/Astronomy Laboratory
 Unit: Physics Department

Occupancy: 30
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 8L
 Room Name: Studio Lab
 Unit: Physics Department

Occupancy: 24
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day ● _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F ● _____
 Other _____
 Humidity
 Uncontrolled ● _____
 Other _____
 Minimum Air Changes/Hr. 4 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative ● _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) ● _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) ● _____
 Industrial Cold Water (ICW) ● _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert ● _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) ● _____

ELECTRICAL

110V, 20A, 1 Phase ● _____
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one _____
 UPS (OFOI) _____
 Phone _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk ● _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting ● _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl ● _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' ● _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player ● _____
 Document Camera ● _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector ● _____
 Projection Screen(s) ● _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board ● _____
 Marker Board ● _____
 Clock ● _____
 Pencil Sharpener ● _____
 Teaching Podium ● _____
 Laboratory Workstations ● _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

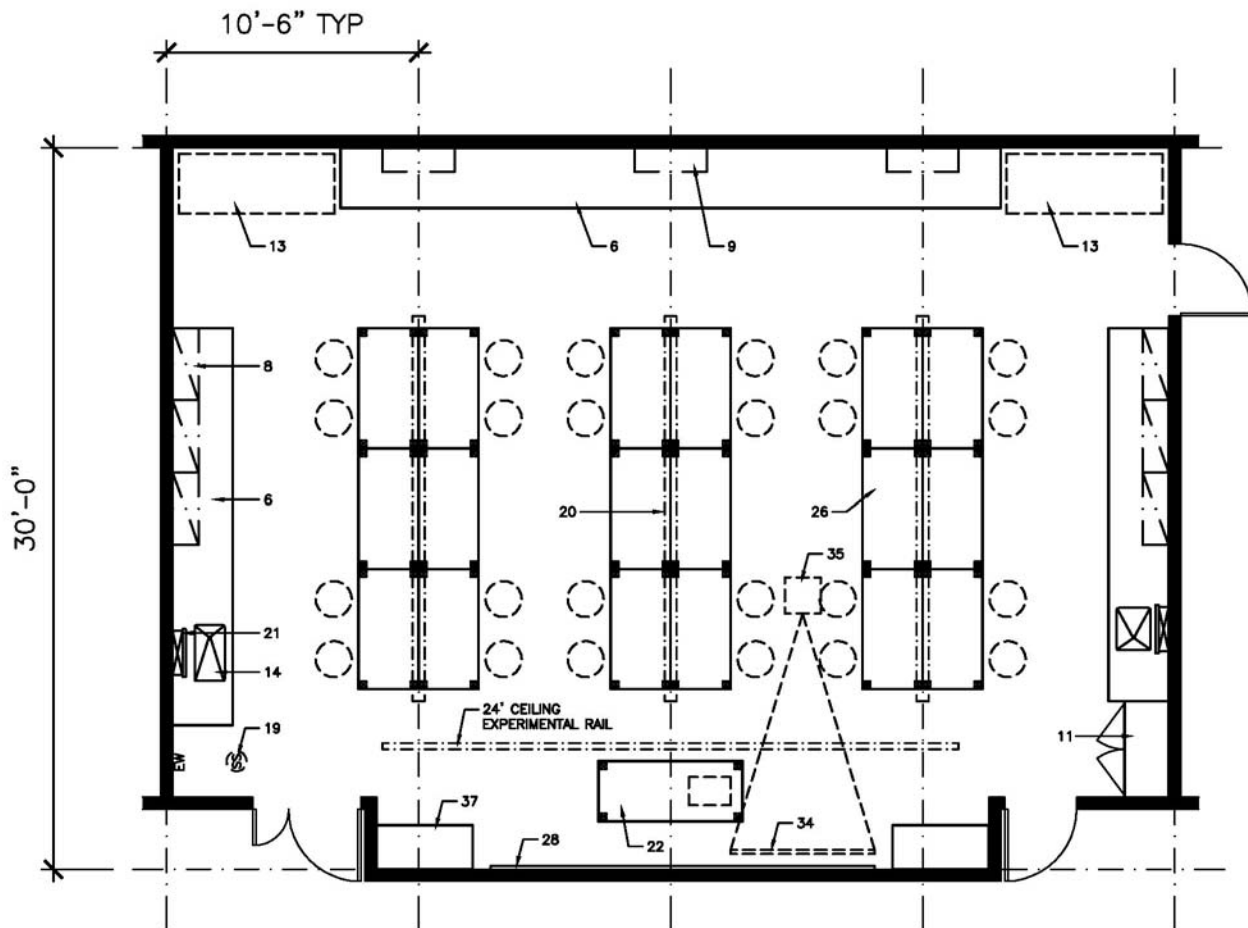
1. (2) Sinks @ perimeter
2. Ceiling experimental rail

Appendix A: Room Data Sheets

Room ID No.: 8L
 Room Name: Studio Lab
 Unit: Physics Department

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 8M1
 Room Name: Introductory Prep & Storage
 Unit: Physics Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk ●	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood _____	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids _____	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents _____	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board ●
Vibration Sensitive _____	Floor _____	Marker Board _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Clock _____
Vibration Producing _____	VCT _____	Pencil Sharpener _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Teaching Podium _____
Noise Producing _____	Epoxy _____	Laboratory Workstations ●
	Carpet _____	Coat Hook(s) _____
PLUMBING	Sealed Concrete _____	ROOM DESCRIPTION
Laboratory Gas (LG) _____	Terrazzo _____	
Laboratory Vacuum (LV) _____	Tile _____	
Laboratory Air (LA) ●	Other _____	
Compressed Air, 100 psi (A) _____	Base _____	
Industrial Hot Water (IHW) ●	4" Vinyl ●	
Industrial Cold Water (ICW) ●	Carpet _____	
Potable Hot Water (HW) _____	Integral w/floor _____	
Potable Cold Water (CW) _____	Terrazzo _____	
Purified Water (PW) _____	Tile _____	
Chilled Water (CHW S/R) _____	Other _____	
Steam _____	Partitions _____	
Condensate Return _____	Gyp Board, Epoxy Paint _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Paint ●	
Nitrogen Gas (N ₂) _____	Other _____	
Cylinder Gases _____	Ceiling _____	
Inert _____	Open _____	
Flammable _____	Acoustical Tile ●	
Toxic _____	Gyp Board, Epoxy Paint _____	
Floor Drain (FD) _____	Height 9'-0" min.	
Floor Sink (FS) _____	Doors _____	
Safety Shower/Eyewash (SS) _____	3'-6" x 7' _____	
Drench Hose (DH) ●	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

REMARKS

1. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8M2
 Room Name: Electronics Prep & Storage
 Unit: Physics Department

Occupancy:
 Room Size: 320 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">4 _____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">● _____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	● _____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	4 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	● _____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	● _____	Industrial Cold Water (ICW)	● _____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	● _____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ELECTRICAL</th> </tr> <tr> <td style="padding: 2px;">110V, 20A, 1 Phase</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 1 Phase</td> <td style="padding: 2px;">one _____</td> </tr> <tr> <td style="padding: 2px;">208V, 30A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">480V, 100A, 3 Phase</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Isolated Ground Outlet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Emergency Power</td> <td style="padding: 2px;">one _____</td> </tr> <tr> <td style="padding: 2px;">UPS (OFOI)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Phone</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Data</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">In Use Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Task Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Lighting Level</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 100 fc at bench/desk</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 75 fc at bench/desk</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;">Safe Light</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Special Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Darkenable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Zoned Lighting</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 8M3
 Room Name: Studio Prep & Storage
 Unit: Physics Department

Occupancy:
 Room Size: 640 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk ●	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) ●
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
		Lounge Seating _____
HOODS	CHEMICALS	Recycling _____
Chemical Fume Hood _____	Bases _____	Bookshelves _____
Radioisotope Hood _____	Acids _____	Refrigerator _____
Horizontal Laminar Flow Hood _____	Solvents _____	Microwave _____
Biological Safety Cabinet _____	Radioisotopes _____	Coffeemaker _____
Snorkel _____	Carcinogens/Regulated _____	Copier/Scanner/Printer _____
Canopy Hood _____	Chemical Waste Storage _____	
Low Slotted Exhaust _____	Biological Storage _____	FIXED EQUIPMENT
Equipment Exhaust _____	Radioisotope Storage _____	Bulletin Board ●
Other _____	Chemical Storage _____	Marker Board _____
		Clock _____
LABORATORY EQUIPMENT	ARCHITECTURAL	Pencil Sharpener _____
Vibration Sensitive _____	Floor _____	Teaching Podium _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Laboratory Workstations ●
Vibration Producing _____	VCT _____	Coat Hook(s) _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	
Noise Producing _____	Epoxy _____	ROOM DESCRIPTION
	Carpet _____	
	Sealed Concrete _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min.	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
		REMARKS
		1. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8N
 Room Name: Holography Laboratory
 Unit: Physics Department

Occupancy: 6
 Room Size: 320 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day ● _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F ● _____
 Other _____
 Humidity
 Uncontrolled ● _____
 Other _____
 Minimum Air Changes/Hr. 6 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative ● _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A. _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive ● _____
 Light Sensitive ● _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) ● _____
 Laboratory Vacuum (LV) ● _____
 Laboratory Air (LA) ● _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) ● _____
 Industrial Cold Water (ICW) ● _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) ● _____

ELECTRICAL

110V, 20A, 1 Phase ● _____
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one _____
 UPS (OFOI) _____
 Phone _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk ● _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents ● _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage ● _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl ● _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' ● _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

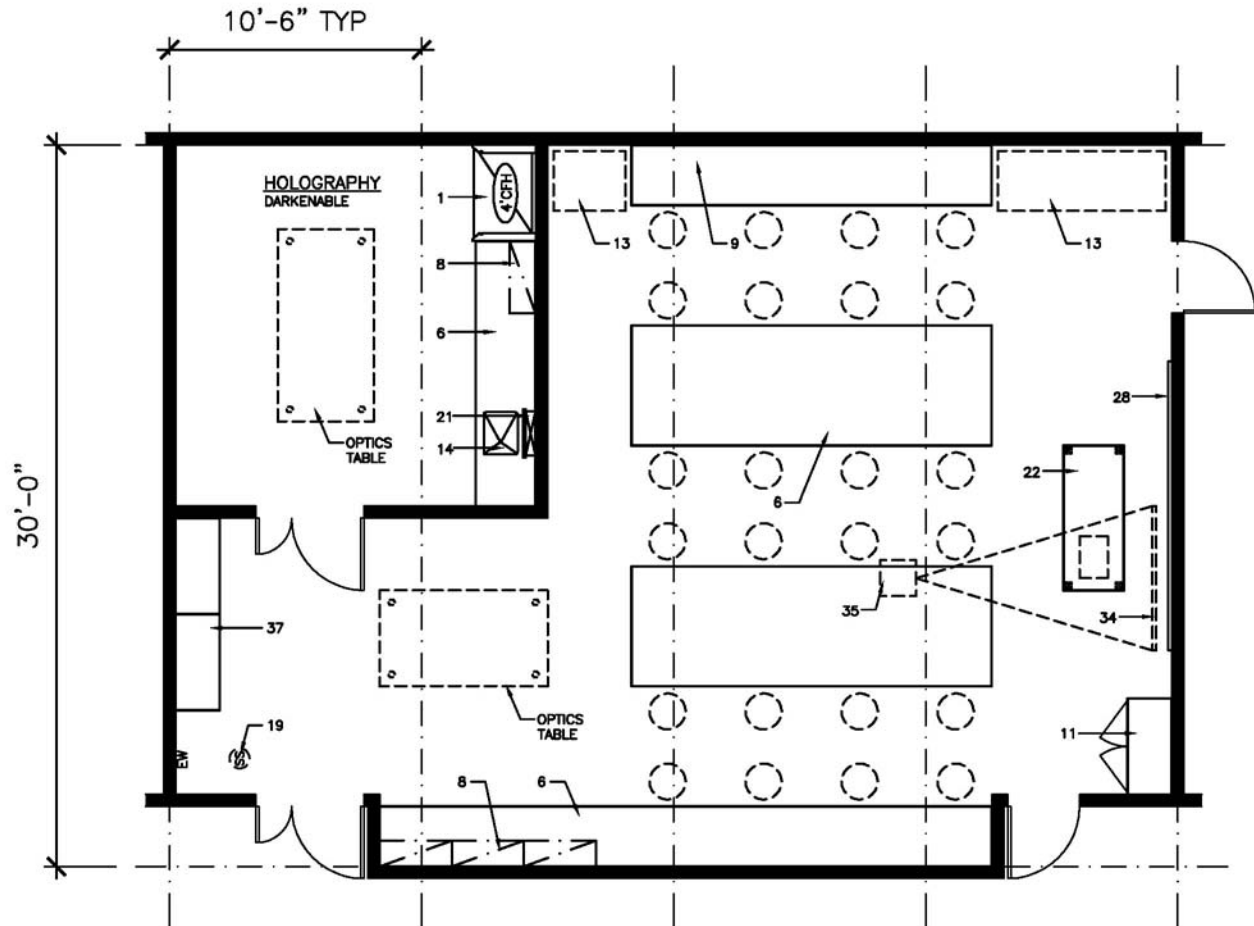
- A. 4' CFH comb @ 400cfm
- 1. 4'x8' Optics table
- 2. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8N
 Room Name: Holography Laboratory
 Unit: Physics Department

Occupancy: 6
 Room Size: 320 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 80
 Room Name: Optics Laboratory
 Unit: Physics Department

Occupancy: 24
 Room Size: 960 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day ● _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F ● _____
 Other _____
 Humidity
 Uncontrolled ● _____
 Other _____
 Minimum Air Changes/Hr. 6 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative ● _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive ● _____
 Light Sensitive ● _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) ● _____
 Laboratory Vacuum (LV) ● _____
 Laboratory Air (LA) ● _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) ● _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase ● _____
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one _____
 UPS (OFOI) _____
 Phone _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk ● _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting ● _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl ● _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint ● _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' ● _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer ● _____
 DVD or Bluray Player ● _____
 Document Camera ● _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector ● _____
 Projection Screen(s) ● _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board ● _____
 Marker Board ● _____
 Clock ● _____
 Pencil Sharpener ● _____
 Teaching Podium ● _____
 Laboratory Workstations ● _____
 Coat Hook(s) ● _____

ROOM DESCRIPTION

REMARKS

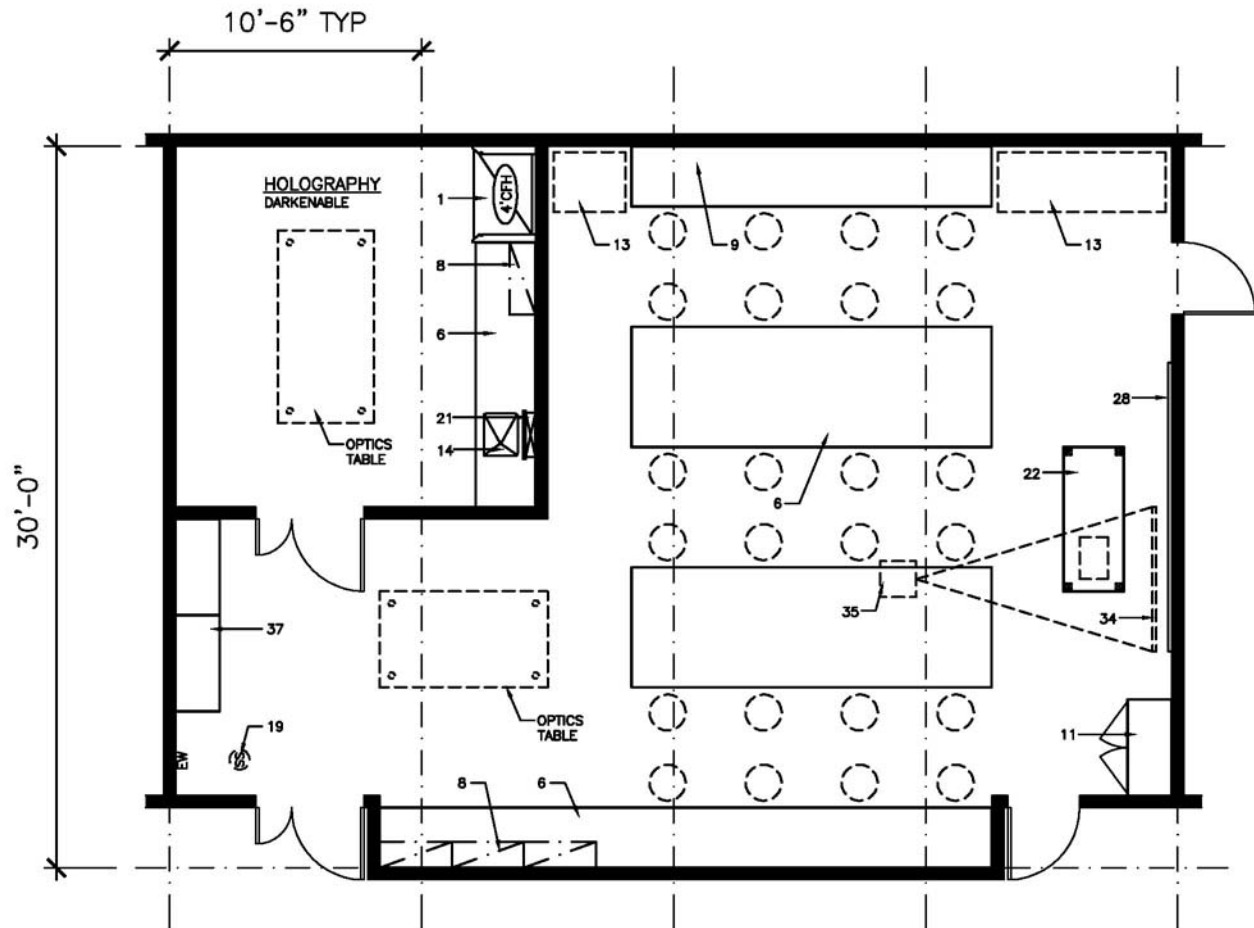
1. 4'x7' Optics table

Appendix A: Room Data Sheets

Room ID No.: 80
 Room Name: Optics Laboratory
 Unit: Physics Department

Occupancy: 24
 Room Size: 960 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 8P Occupancy: 24
 Room Name: Advanced/Experimental Physics Laboratory Room Size: 1,280 ASF
 Unit: Physics Department

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature _____
 68°-75° ± 2°F
 Other _____
 Humidity _____
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) one
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling _____
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer
 DVD or Bluray Player
 Document Camera
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector
 Projection Screen(s)
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board
 Clock
 Pencil Sharpener
 Teaching Podium
 Laboratory Workstations _____
 Coat Hook(s)

ROOM DESCRIPTION

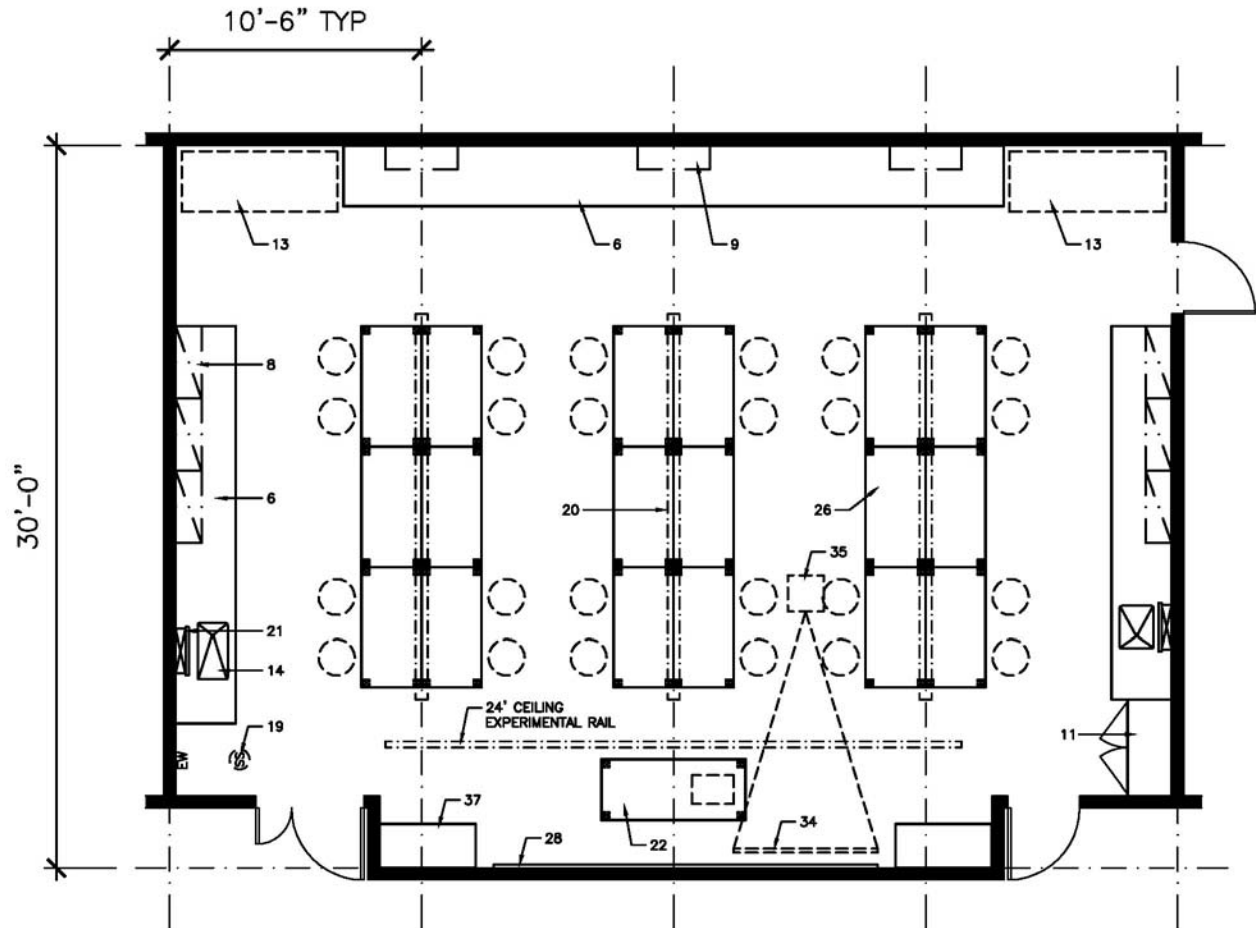
REMARKS

1. Ceiling experimental rail
2. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8P Occupancy: 24
Room Name: Advanced/Experimental Physics Laboratory Room Size: 1,280 ASF
Unit: Physics Department

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 8Q1
 Room Name: Optics Prep & Storage
 Unit: Physics Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power one	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data ●	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled ●	Task Lighting _____	Flat Panel Monitor _____
Other _____	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk _____	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk ●	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) ●
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood _____	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids _____	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents _____	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Other _____	Chemical Storage _____	Bulletin Board ●
LABORATORY EQUIPMENT	ARCHITECTURAL	Marker Board _____
Vibration Sensitive _____	Floor _____	Clock _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Pencil Sharpener _____
Vibration Producing _____	VCT _____	Teaching Podium _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Laboratory Workstations ●
Noise Producing _____	Epoxy _____	Coat Hook(s) _____
PLUMBING	Carpet _____	ROOM DESCRIPTION
Laboratory Gas (LG) _____	Sealed Concrete _____	
Laboratory Vacuum (LV) _____	Terrazzo _____	
Laboratory Air (LA) ●	Tile _____	
Compressed Air, 100 psi (A) _____	Other _____	
Industrial Hot Water (IHW) ●	Base _____	
Industrial Cold Water (ICW) ●	4" Vinyl ●	
Potable Hot Water (HW) _____	Carpet _____	
Potable Cold Water (CW) _____	Integral w/floor _____	
Purified Water (PW) _____	Terrazzo _____	
Chilled Water (CHW S/R) _____	Tile _____	
Steam _____	Other _____	
Condensate Return _____	Partitions _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Epoxy Paint _____	
Nitrogen Gas (N ₂) _____	Gyp Board, Paint ●	REMARKS
Cylinder Gases _____	Other _____	1. (1) Sink @ perimeter
Inert _____	Ceiling _____	
Flammable _____	Open _____	
Toxic _____	Acoustical Tile ●	
Floor Drain (FD) _____	Gyp Board, Epoxy Paint _____	
Floor Sink (FS) _____	Height 9'-0" min.	
Safety Shower/Eyewash (SS) _____	Doors _____	
Drench Hose (DH) ●	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	

Appendix A: Room Data Sheets

Room ID No.: 8Q2
 Room Name: Advanced Prep & Storage
 Unit: Physics Department

Occupancy:
 Room Size: 320 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer _____
8 hours/day _____	208V, 30A, 1 Phase one	DVD or Bluray Player _____
14 hours/day ●	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	EMERGENCY POWER	MOVABLE EQUIPMENT
Temperature	UPS (OFOI) one	Lighting _____
68°-75° ± 2°F ●	Phone _____	Audio/Visual _____
Other _____	Data ●	Overhead Projector _____
Humidity	In Use Light _____	Projection Screen(s) _____
Uncontrolled ●	Task Lighting _____	Lecture Capture _____
Other _____	Lighting Level _____	Flat Panel Monitor _____
Minimum Air Changes/Hr. 4	100 fc at bench/desk _____	Digital Signage _____
Air Recirculation _____	75 fc at bench/desk ●	SMART Board Technology _____
Air Pressure Positive _____	Safe Light _____	
Air Pressure Negative ●	Special Lighting _____	Movable Chairs ●
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) ●
Additional Exhaust Air Filtration _____	Zoned Lighting _____	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	FIXED EQUIPMENT
Chemical Fume Hood _____	Bases _____	Lounge Seating _____
Radioisotope Hood _____	Acids _____	Movable Table(s) _____
Horizontal Laminar Flow Hood _____	Solvents _____	Recycling _____
Biological Safety Cabinet _____	Radioisotopes _____	Bookshelves _____
Snorkel _____	Carcinogens/Regulated _____	Refrigerator _____
Canopy Hood _____	Chemical Waste Storage _____	Microwave _____
Low Slotted Exhaust _____	Biological Storage _____	Coffeemaker _____
Equipment Exhaust _____	Radioisotope Storage _____	Copier/Scanner/Printer _____
Other _____	Chemical Storage _____	
LABORATORY EQUIPMENT	ARCHITECTURAL	ROOM DESCRIPTION
Vibration Sensitive _____	Floor _____	Bulletin Board ●
Light Sensitive _____	VCT (Chemical Resistant) _____	Marker Board _____
Vibration Producing _____	VCT _____	Clock _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Pencil Sharpener _____
Noise Producing _____	Epoxy _____	Teaching Podium _____
	Carpet _____	Laboratory Workstations ●
	Sealed Concrete _____	Coat Hook(s) _____
	Terrazzo _____	
	Tile _____	
	Other _____	
	Base _____	
	4" Vinyl ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions _____	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint ●	
	Other _____	
	Ceiling _____	
	Open _____	
	Acoustical Tile ●	
	Gyp Board, Epoxy Paint _____	
	Height 9'-0" min.	
	Doors _____	
	3'-6" x 7' _____	
	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door _____	
	Vision Panel ●	
	Natural Daylight _____	
REMARKS		
1. (1) Sink @ perimeter		

Appendix A: Room Data Sheets

Room ID No.: 8R
 Room Name: Computational Computer Lab
 Unit: Physics Department

Occupancy: 12
 Room Size: 480 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 8S.1-2 Occupancy: 1
 Room Name: Faculty/Student Research (x-large) Room Size: 1,280 ASF x 2
 Unit: Physics Department

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature _____
 68°-75° ± 2°F
 Other _____
 Humidity _____
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel B.
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust C.
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing
 Heat Producing
 Noise Producing

PLUMBING

Laboratory Gas (LG)
 Laboratory Vacuum (LV)
 Laboratory Air (LA)
 Compressed Air, 100 psi (A)
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R)
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert
 Flammable
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling _____
 Open
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7' two
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations
 Lounge Seating _____
 Movable Table(s)
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 4' CFH @ 500 cfm
- B. Six Snorkels @ 200 cfm each
- C. Cylinder gas cab exh @ 150 cfm
- 1. 6 AC/H – Max
- 2. 4 sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 8T
 Room Name: Faculty/Student Research (Theorists)
 Unit: Physics Department

Occupancy: 3
 Room Size: 960 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day ● _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F ● _____
 Other _____
 Humidity
 Uncontrolled ● _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase ● _____
 208V, 30A, 1 Phase one _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one _____
 UPS (OFOI) ● _____
 Phone ● _____
 Data ● _____
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk ● _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting ● _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl ● _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl ● _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint ● _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile ● _____
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' ● _____
 1'-6" x 7' ● _____
 Light Tight Rotating Door _____
 Vision Panel ● _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
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MOVABLE EQUIPMENT

Movable Chairs ● _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board ● _____
 Marker Board ● _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 8U.1-3 Occupancy: 1
 Room Name: Faculty/Student Research (Experimentalist) Room Size: 640 ASF x 3
 Unit: Physics Department

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="background-color: black; color: white;">UTILIZATION</th></tr> <tr><td>Hours of Use</td><td></td></tr> <tr><td> 8 hours/day</td><td>_____</td></tr> <tr><td> 14 hours/day</td><td>_____</td></tr> <tr><td> 24 hours/day</td><td style="text-align: center;">●</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="background-color: black; color: white;">MECHANICAL</th></tr> <tr><td>Temperature</td><td></td></tr> <tr><td> 68°-75° ± 2°F</td><td style="text-align: center;">●</td></tr> <tr><td> Other</td><td>_____</td></tr> <tr><td>Humidity</td><td></td></tr> <tr><td> Uncontrolled</td><td style="text-align: center;">●</td></tr> <tr><td> Other</td><td style="text-align: center;">Xa.</td></tr> <tr><td>Minimum Air Changes/Hr.</td><td style="text-align: center;">6</td></tr> <tr><td>Air Recirculation</td><td>_____</td></tr> <tr><td>Air Pressure Positive</td><td>_____</td></tr> <tr><td>Air Pressure Negative</td><td style="text-align: center;">●</td></tr> <tr><td>Additional Supply Air Filtration</td><td>_____</td></tr> <tr><td>Additional Exhaust Air Filtration</td><td>_____</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="background-color: black; color: white;">HOODS</th></tr> <tr><td>Chemical Fume Hood</td><td style="text-align: center;">A.</td></tr> <tr><td>Radioisotope Hood</td><td>_____</td></tr> <tr><td>Horizontal Laminar Flow Hood</td><td>_____</td></tr> <tr><td>Biological Safety Cabinet</td><td>_____</td></tr> <tr><td>Snorkel</td><td style="text-align: center;">B.</td></tr> <tr><td>Canopy Hood</td><td>_____</td></tr> <tr><td>Low Slotted Exhaust</td><td>_____</td></tr> <tr><td>Equipment Exhaust</td><td style="text-align: center;">C.</td></tr> <tr><td>Other</td><td>_____</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="background-color: black; color: white;">LABORATORY EQUIPMENT</th></tr> <tr><td>Vibration Sensitive</td><td style="text-align: center;">Xb.</td></tr> <tr><td>Light Sensitive</td><td style="text-align: center;">Xb.</td></tr> <tr><td>Vibration Producing</td><td style="text-align: center;">●</td></tr> <tr><td>Heat Producing</td><td style="text-align: center;">●</td></tr> <tr><td>Noise Producing</td><td style="text-align: center;">●</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="background-color: black; color: white;">PLUMBING</th></tr> <tr><td>Laboratory Gas (LG)</td><td>_____</td></tr> <tr><td>Laboratory Vacuum (LV)</td><td>_____</td></tr> <tr><td>Laboratory Air (LA)</td><td style="text-align: center;">●</td></tr> <tr><td>Compressed Air, 100 psi (A)</td><td style="text-align: center;">●</td></tr> <tr><td>Industrial Hot Water (IHW)</td><td style="text-align: center;">●</td></tr> <tr><td>Industrial Cold Water (ICW)</td><td style="text-align: center;">●</td></tr> <tr><td>Potable Hot Water (HW)</td><td>_____</td></tr> <tr><td>Potable Cold Water (CW)</td><td>_____</td></tr> <tr><td>Purified Water (PW)</td><td>_____</td></tr> <tr><td>Chilled Water (CHW S/R)</td><td style="text-align: center;">●</td></tr> <tr><td>Steam</td><td>_____</td></tr> <tr><td>Condensate Return</td><td>_____</td></tr> <tr><td>Carbon Dioxide (CO₂)</td><td>_____</td></tr> <tr><td>Nitrogen Gas (N₂)</td><td>_____</td></tr> <tr><td>Cylinder Gases</td><td>_____</td></tr> <tr><td> Inert</td><td style="text-align: center;">●</td></tr> <tr><td> Flammable</td><td style="text-align: center;">●</td></tr> <tr><td> Toxic</td><td>_____</td></tr> <tr><td>Floor Drain (FD)</td><td>_____</td></tr> <tr><td>Floor Sink (FS)</td><td>_____</td></tr> <tr><td>Safety Shower/Eyewash (SS)</td><td style="text-align: center;">●</td></tr> <tr><td>Drench Hose (DH)</td><td style="text-align: center;">●</td></tr> </table>	UTILIZATION		Hours of Use		8 hours/day	_____	14 hours/day	_____	24 hours/day	●	MECHANICAL		Temperature		68°-75° ± 2°F	●	Other	_____	Humidity		Uncontrolled	●	Other	Xa.	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Appendix A: Room Data Sheets

Room ID No.: 8V1
 Room Name: Planetarium
 Unit: Physics Department

Occupancy: 70
 Room Size: 1,050 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other 65°-70°
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation A
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive
 Vibration Producing _____
 Heat Producing _____
 Noise Producing

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone
 Data
 In Use Light
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting
 Darkenable
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other B
 Ceiling
 Open
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height 30' min.
 Doors
 3'-6" x 7'
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer
 DVD or Bluray Player
 Document Camera _____
 Audio System
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

Circular room layout with 30' diameter dome that protrudes about 25' above floor.

REMARKS

- A. Good air circulation required.
- B. Circular room with 2 rows of semi-circular bench seating arrangement. ADA accessible.

Appendix A: Room Data Sheets

Room ID No.: 8V2.1-2
 Room Name: Storage
 Unit: Physics Department

Occupancy: 1
 Room Size: 240 ASF x 2

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">24 hours/day</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Laboratory Vacuum (LV)	_____																																																																																																																																																																																																																																																																																																																													
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Appendix A: Room Data Sheets

Room ID No.: 8V3
 Room Name: Prefunction/Welcome Area
 Unit: Physics Department

Occupancy: 1
 Room Size: 500 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	●
8 hours/day		208V, 30A, 1 Phase		DVD or Bluray Player	●
14 hours/day	●	208V, 30A, 3 Phase		Document Camera	●
24 hours/day		480V, 100A, 3 Phase		Audio System	●
		Isolated Ground Outlet		Touch-Screen Controls	
MECHANICAL					
Temperature		Emergency Power		Lighting	
68°-75° ± 2°F	●	UPS (OFOI)		Audio/Visual	
Other		Phone	●	Overhead Projector	●
Humidity		Data	●	Projection Screen(s)	●
Uncontrolled		In Use Light		Lecture Capture	
Other		Task Lighting		Flat Panel Monitor	
Minimum Air Changes/Hr.		Lighting Level		Digital Signage	
Air Recirculation		100 fc at bench/desk		SMART Board Technology	
Air Pressure Positive		75 fc at bench/desk			
Air Pressure Negative		Safe Light		MOVABLE EQUIPMENT	
Additional Supply Air Filtration		Special Lighting		Movable Chairs	●
Additional Exhaust Air Filtration		Darkenable	●	Task Chair(s)	
		Zoned Lighting	●	Movable Desks	●
		Other		Movable Laboratory Stations	
				Lounge Seating	
HOODS		CHEMICALS			
Chemical Fume Hood		Bases		Movable Table(s)	
Radioisotope Hood		Acids		Recycling	
Horizontal Laminar Flow Hood		Solvents		Bookshelves	
Biological Safety Cabinet		Radioisotopes		Refrigerator	
Snorkel		Carcinogens/Regulated		Microwave	
Canopy Hood		Chemical Waste Storage		Coffeemaker	
Low Slotted Exhaust		Biological Storage		Copier/Scanner/Printer	
Equipment Exhaust		Radioisotope Storage		FIXED EQUIPMENT	
Other		Chemical Storage		Bulletin Board	●
				Marker Board	
				Clock	●
				Pencil Sharpener	
				Teaching Podium	
				Laboratory Workstations	
				Coat Hook(s)	●
LABORATORY EQUIPMENT		ARCHITECTURAL		ROOM DESCRIPTION	
Vibration Sensitive		Floor		Windowless room with dimmable zoned lighting.	
Light Sensitive	●	VCT (Chemical Resistant)			
Vibration Producing		VCT			
Heat Producing		Welded Seam Sheet Vinyl			
Noise Producing		Epoxy			
		Carpet	●		
		Sealed Concrete			
		Terrazzo			
		Tile			
		Other			
		Base			
		4" Vinyl			
		Carpet	●		
		Integral w/floor			
		Terrazzo			
		Tile			
		Other			
		Partitions			
		Gyp Board, Epoxy Paint			
		Gyp Board, Paint	●		
		Other			
		Ceiling			
		Open			
		Acoustical Tile			
		Gyp Board, Epoxy Paint			
		Height			
		Doors			
		3'-6" x 7'	●		
		3'-0" x 7'			
		1'-6" x 7'			
		Light Tight Rotating Door			
		Vision Panel			
		Natural Daylight			
PLUMBING				REMARKS	
Laboratory Gas (LG)					
Laboratory Vacuum (LV)					
Laboratory Air (LV)					
Compressed Air, 100 psi (A)					
Industrial Hot Water (IHW)					
Industrial Cold Water (ICW)					
Potable Hot Water (HW)					
Potable Cold Water (CW)					
Purified Water (PW)					
Chilled Water (CHW S/R)					
Steam					
Condensate Return					
Carbon Dioxide (CO ₂)					
Nitrogen Gas (N ₂)					
Cylinder Gases					
Inert					
Flammable					
Toxic					
Floor Drain (FD)					
Floor Sink (FS)					
Safety Shower/Eyewash (SS)					
Drench Hose (DH)					

Appendix A: Room Data Sheets

Room ID No.: 8V4
 Room Name: Display Cases
 Unit: Physics Department

Occupancy:
 Room Size: 40 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____ ●

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____ ●
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____ ●
 Darkenable _____ ●
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 8W1
 Room Name: Telescopes
 Unit: Physics Department

Occupancy:
 Room Size: 360 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____ ●

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____ A
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____ 6
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____ 3
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____ B
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____ C
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____ C
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____ C
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____ ●
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____ ●
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

Covered locked rooftop observing area with roll-off roof.

REMARKS

- A. 3 piers connected to non-vibrating foundation.
- B. Red lighting placed low to ground. General full-cutoff lighting with on/off switch.
- C. Slide-off roof must protect telescopes/piers when in place, role off to provide view of sky during observing sessions. Rigid floor with isolation of telescope piers. High walls to block campus lights.

Appendix A: Room Data Sheets

Room ID No.: 8W2
 Room Name: Observation Platform
 Unit: Physics Department

Occupancy: 50
 Room Size: 750 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____●_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____A_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____●_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____A_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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B.	Red lighting placed low to ground. General full-cutoff lighting with on/off switch.																																																																																																																																																																																																																																																																																																																																					
C.	Slide-off roof must protect telescopes/piers when in place, role off to provide view of sky during observing sessions. Rigid floor with isolation of telescope piers. High walls to block campus lights.																																																																																																																																																																																																																																																																																																																																					

Appendix A: Room Data Sheets

Room ID No.: 8W3
 Room Name: Waiting Area
 Unit: Physics Department

Occupancy: 20
 Room Size: 300 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____ ●

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____ 2
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____ 1
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____ A
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____ B
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____ ●
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

Uncovered rooftop space for people to gather while waiting to use telescopes.

REMARKS

- A. Red lighting placed low to ground. General full-cutoff lighting with on/off switch.
- B. Floor will be exposed to elements and will need to be durable.

Appendix A: Room Data Sheets

Room ID No.: 8W4
 Room Name: Storage
 Unit: Physics Department

Occupancy: 1
 Room Size: 120 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase 3	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day ●	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
MECHANICAL	Emergency Power _____	Lighting _____
Temperature	UPS (OFOI) _____	Audio/Visual _____
68°-75° ± 2°F ●	Phone _____	Overhead Projector _____
Other _____	Data 1	Projection Screen(s) _____
Humidity	In Use Light _____	Lecture Capture _____
Uncontrolled _____	Task Lighting _____	Flat Panel Monitor _____
Other A	Lighting Level _____	Digital Signage _____
Minimum Air Changes/Hr. _____	100 fc at bench/desk ●	SMART Board Technology _____
Air Recirculation _____	75 fc at bench/desk _____	
Air Pressure Positive _____	Safe Light _____	MOVABLE EQUIPMENT
Air Pressure Negative _____	Special Lighting _____	Movable Chairs _____
Additional Supply Air Filtration _____	Darkenable _____	Task Chair(s) _____
Additional Exhaust Air Filtration _____	Zoned Lighting ●	Movable Desks _____
	Other _____	Movable Laboratory Stations _____
HOODS	CHEMICALS	Lounge Seating _____
Chemical Fume Hood _____	Bases _____	Movable Table(s) _____
Radioisotope Hood _____	Acids _____	Recycling _____
Horizontal Laminar Flow Hood _____	Solvents _____	Bookshelves _____
Biological Safety Cabinet _____	Radioisotopes _____	Refrigerator _____
Snorkel _____	Carcinogens/Regulated _____	Microwave _____
Canopy Hood _____	Chemical Waste Storage _____	Coffeemaker _____
Low Slotted Exhaust _____	Biological Storage _____	Copier/Scanner/Printer _____
Equipment Exhaust _____	Radioisotope Storage _____	
Other _____	Chemical Storage _____	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board _____
Vibration Sensitive _____	Floor _____	Marker Board _____
Light Sensitive _____	VCT (Chemical Resistant) _____	Clock _____
Vibration Producing _____	VCT _____	Pencil Sharpener _____
Heat Producing _____	Welded Seam Sheet Vinyl ●	Teaching Podium _____
Noise Producing _____	Epoxy _____	Laboratory Workstations _____
PLUMBING	Carpet _____	Coat Hook(s) _____
Laboratory Gas (LG) _____	Sealed Concrete _____	
Laboratory Vacuum (LV) _____	Terrazzo _____	ROOM DESCRIPTION
Laboratory Air (LV) _____	Tile _____	Rooftop storage room for telescopes and accessories.
Compressed Air, 100 psi (A) _____	Other _____	
Industrial Hot Water (IHW) _____	Base _____	
Industrial Cold Water (ICW) _____	4" Vinyl ●	
Potable Hot Water (HW) _____	Carpet _____	
Potable Cold Water (CW) _____	Integral w/floor _____	
Purified Water (PW) _____	Terrazzo _____	
Chilled Water (CHW S/R) _____	Tile _____	
Steam _____	Other _____	
Condensate Return _____	Partitions _____	
Carbon Dioxide (CO ₂) _____	Gyp Board, Epoxy Paint _____	
Nitrogen Gas (N ₂) _____	Gyp Board, Paint _____	
Cylinder Gases _____	Other _____	
Inert _____	Ceiling _____	
Flammable _____	Open _____	
Toxic _____	Acoustical Tile ●	
Floor Drain (FD) _____	Gyp Board, Epoxy Paint _____	
Floor Sink (FS) _____	Height _____	
Safety Shower/Eyewash (SS) _____	Doors _____	
Drench Hose (DH) _____	3'-6" x 7' ●	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
		REMARKS
		A. Humidity <50%

Appendix A: Room Data Sheets

Room ID No.: 8X.1-2
 Room Name: General Lab/Departmental Storage
 Unit: Physics Department

Occupancy:
 Room Size: 120 ASF x 2

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padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	● _____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	● _____	Other	_____	Humidity	_____	Uncontrolled	● _____	Other	_____	Minimum Air Changes/Hr.	4 _____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	● _____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; 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Industrial shelving units</td> </tr> </table>	TECHNOLOGY		Computer	_____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	_____	Movable Desks	_____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	_____	ROOM DESCRIPTION				REMARKS			1. Industrial shelving units
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Appendix A: Room Data Sheets

Room ID No.: 8Y.1-2
 Room Name: Student Organization Space
 Unit: Physics Department

Occupancy: 2
 Room Size: 120 ASF x 2

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____	Other	_____	Humidity	_____	Uncontrolled	_____	Other	_____	Minimum Air Changes/Hr.	_____	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LV)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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color: white; font-weight: bold; padding: 2px;">FIXED EQUIPMENT</td> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ROOM DESCRIPTION</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">REMARKS</td> </tr> </table>	TECHNOLOGY		Computer	● _____	DVD or Bluray Player	_____	Document Camera	_____	Audio System	_____	Touch-Screen Controls	_____	Lighting	_____	Audio/Visual	_____	Overhead Projector	_____	Projection Screen(s)	_____	Lecture Capture	_____	Flat Panel Monitor	_____	Digital Signage	_____	SMART Board Technology	_____	MOVABLE EQUIPMENT		Movable Chairs	_____	Task Chair(s)	● _____	Movable Desks	● _____	Movable Laboratory Stations	_____	Lounge Seating	_____	Movable Table(s)	_____	Recycling	_____	Bookshelves	_____	Refrigerator	_____	Microwave	_____	Coffeemaker	_____	Copier/Scanner/Printer	_____	FIXED EQUIPMENT		Bulletin Board	_____	Marker Board	_____	Clock	_____	Pencil Sharpener	_____	Teaching Podium	_____	Laboratory Workstations	_____	Coat Hook(s)	● _____	ROOM DESCRIPTION		REMARKS	
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Appendix A: Room Data Sheets

Room ID No.: 9A
 Room Name: Director/Safety Officer
 Unit: Radiation Center

Occupancy: 1
 Room Size: 120 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____ ●
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 9B
 Room Name: Sealed Source Laboratory
 Unit: Radiation Center

Occupancy: 24
 Room Size: 1,280 ASF

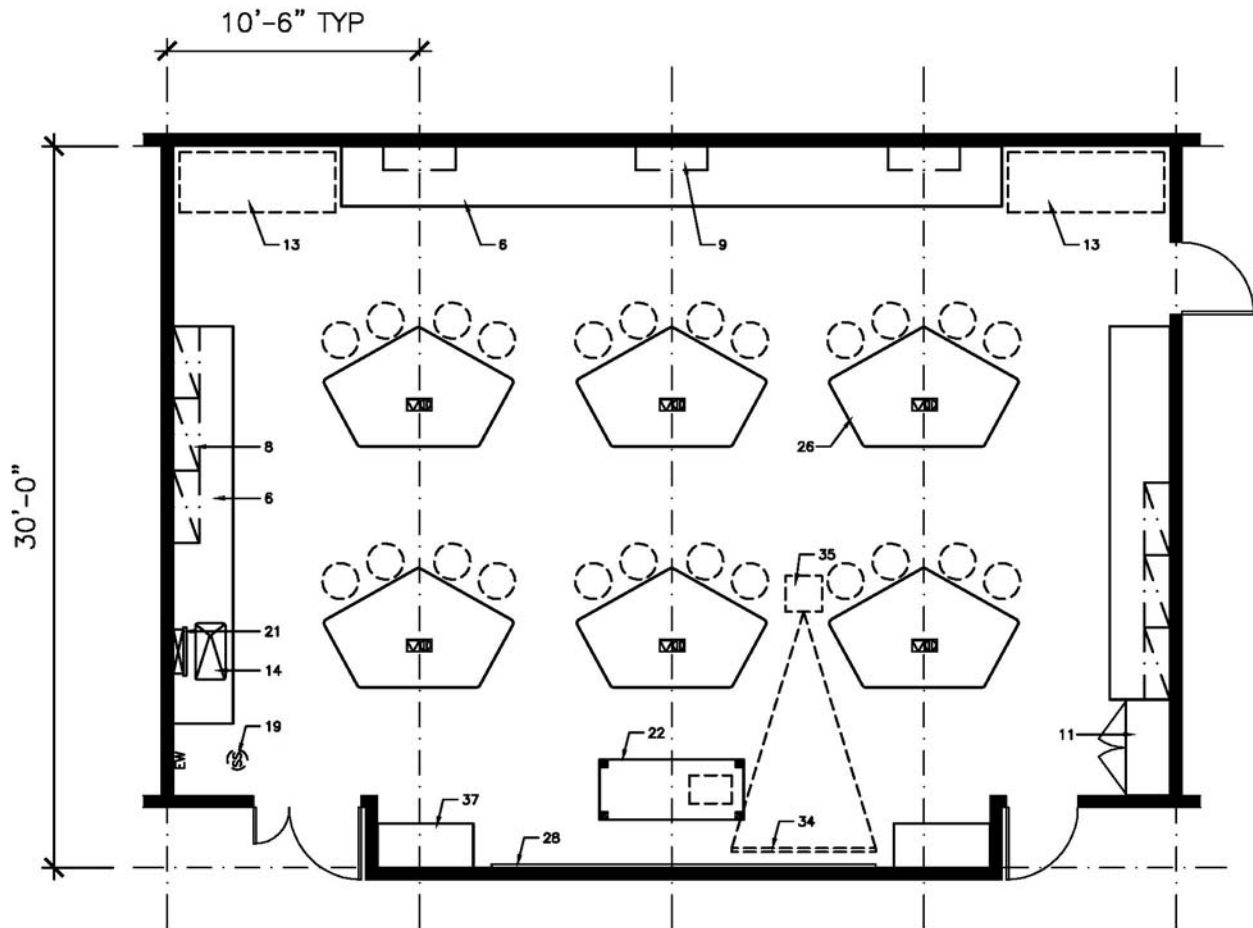
UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase ●	Computer ●
8 hours/day	208V, 30A, 1 Phase one	DVD or Bluray Player ●
14 hours/day ●	208V, 30A, 3 Phase	Document Camera ●
24 hours/day	480V, 100A, 3 Phase	Audio System
	Isolated Ground Outlet	Touch-Screen Controls
MECHANICAL	UPS (OFOI) one	Lighting
Temperature	Phone	Audio/Visual
68°-75° ± 2°F ●	Data ●	Overhead Projector ●
Other	In Use Light	Projection Screen(s) ●
Humidity	Task Lighting	Lecture Capture
Uncontrolled ●	Lighting Level	Flat Panel Monitor
Other	100 fc at bench/desk ●	Digital Signage
Minimum Air Changes/Hr. 4	75 fc at bench/desk	SMART Board Technology
Air Recirculation	Safe Light	
Air Pressure Positive	Special Lighting	MOVABLE EQUIPMENT
Air Pressure Negative ●	Darkenable	Movable Chairs ●
Additional Supply Air Filtration	Zoned Lighting ●	Task Chair(s)
Additional Exhaust Air Filtration	Other	Movable Desks
		Movable Laboratory Stations ●
HOODS	CHEMICALS	Lounge Seating
Chemical Fume Hood	Bases	Movable Table(s)
Radioisotope Hood	Acids	Recycling
Horizontal Laminar Flow Hood	Solvents	Bookshelves
Biological Safety Cabinet	Radioisotopes A.	Refrigerator
Snorkel	Carcinogens/Regulated	Microwave
Canopy Hood	Chemical Waste Storage	Coffeemaker
Low Slotted Exhaust	Biological Storage	Copier/Scanner/Printer
Equipment Exhaust	Radioisotope Storage	
Other	Chemical Storage	FIXED EQUIPMENT
LABORATORY EQUIPMENT	ARCHITECTURAL	Bulletin Board ●
Vibration Sensitive	Floor	Marker Board ●
Light Sensitive	VCT (Chemical Resistant)	Clock ●
Vibration Producing	VCT	Pencil Sharpener ●
Heat Producing	Welded Seam Sheet Vinyl ●	Teaching Podium ●
Noise Producing	Epoxy	Laboratory Workstations
	Carpet	Coat Hook(s) ●
PLUMBING	Sealed Concrete	ROOM DESCRIPTION
Laboratory Gas (LG)	Terrazzo	
Laboratory Vacuum (LV)	Tile	
Laboratory Air (LA)	Other	
Compressed Air, 100 psi (A)	Base	
Industrial Hot Water (IHW) ●	4" Vinyl ●	
Industrial Cold Water (ICW) ●	Carpet	
Potable Hot Water (HW)	Integral w/floor	
Potable Cold Water (CW)	Terrazzo	
Purified Water (PW)	Tile	
Chilled Water (CHW S/R)	Other	
Steam	Partitions	
Condensate Return	Gyp Board, Epoxy Paint	
Carbon Dioxide (CO ₂)	Gyp Board, Paint ●	REMARKS
Nitrogen Gas (N ₂)	Other	A. Sealed exempt and naturally occurring sources only.
Cylinder Gases	Ceiling	1. (6) AC/H – Max
Inert	Open	2. (1) Hand wash sink @ perimeter
Flammable	Acoustical Tile ●	
Toxic	Gyp Board, Epoxy Paint	
Floor Drain (FD)	Height 9'-0" min.	
Floor Sink (FS)	Doors	
Safety Shower/Eyewash (SS)	3'-6" x 7'	
Drench Hose (DH) ●	3'-0" x 7' ●	
	1'-6" x 7' ●	
	Light Tight Rotating Door	
	Vision Panel ●	
	Natural Daylight	

Appendix A: Room Data Sheets

Room ID No.: 9B
 Room Name: Sealed Source Laboratory
 Unit: Radiation Center

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 9C
 Room Name: Open Source Laboratory
 Unit: Radiation Center

Occupancy: 24
 Room Size: 1,280 ASF

UTILIZATION

Hours of Use	
8 hours/day	_____
14 hours/day	_____●_____
24 hours/day	_____

MECHANICAL

Temperature	
68°-75° ± 2°F	_____●_____
Other	_____
Humidity	
Uncontrolled	_____●_____
Other	_____
Minimum Air Changes/Hr.	_____6_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____●_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS

Chemical Fume Hood	_____A._____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT

Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING

Laboratory Gas (LG)	_____●_____
Laboratory Vacuum (LV)	_____●_____
Laboratory Air (LA)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____●_____
Industrial Cold Water (ICW)	_____●_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____●_____
Chilled Water (CHW S/R)	_____●_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____●_____
Drench Hose (DH)	_____●_____

ELECTRICAL

110V, 20A, 1 Phase	_____●_____
208V, 30A, 1 Phase	_____one_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____one_____
UPS (OFOI)	_____
Phone	_____
Data	_____●_____
In Use Light	_____
Task Lighting	_____
Lighting Level	
100 fc at bench/desk	_____●_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____●_____
Other	_____

CHEMICALS

Bases	_____
Acids	_____
Solvents	_____●_____
Radioisotopes	_____●_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____●_____
Biological Storage	_____
Radioisotope Storage	_____●_____
Chemical Storage	_____

ARCHITECTURAL

Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____●_____
Epoxy	_____
Carpet	_____
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____●_____
Carpet	_____
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	_____●_____
Other	_____
Ceiling	
Open	_____
Acoustical Tile	_____●_____
Gyp Board, Epoxy Paint	_____
Height	_____9'-0" min._____
Doors	
3'-6" x 7'	_____
3'-0" x 7'	_____●_____
1'-6" x 7'	_____●_____
Light Tight Rotating Door	_____
Vision Panel	_____●_____
Natural Daylight	_____

TECHNOLOGY

Computer	_____●_____
DVD or Bluray Player	_____●_____
Document Camera	_____●_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____●_____
Projection Screen(s)	_____●_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT

Movable Chairs	_____●_____
Task Chair(s)	_____
Movable Desks	_____
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	_____
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT

Bulletin Board	_____●_____
Marker Board	_____●_____
Clock	_____●_____
Pencil Sharpener	_____●_____
Teaching Podium	_____●_____
Laboratory Workstations	_____●_____
Coat Hook(s)	_____●_____

ROOM DESCRIPTION

REMARKS

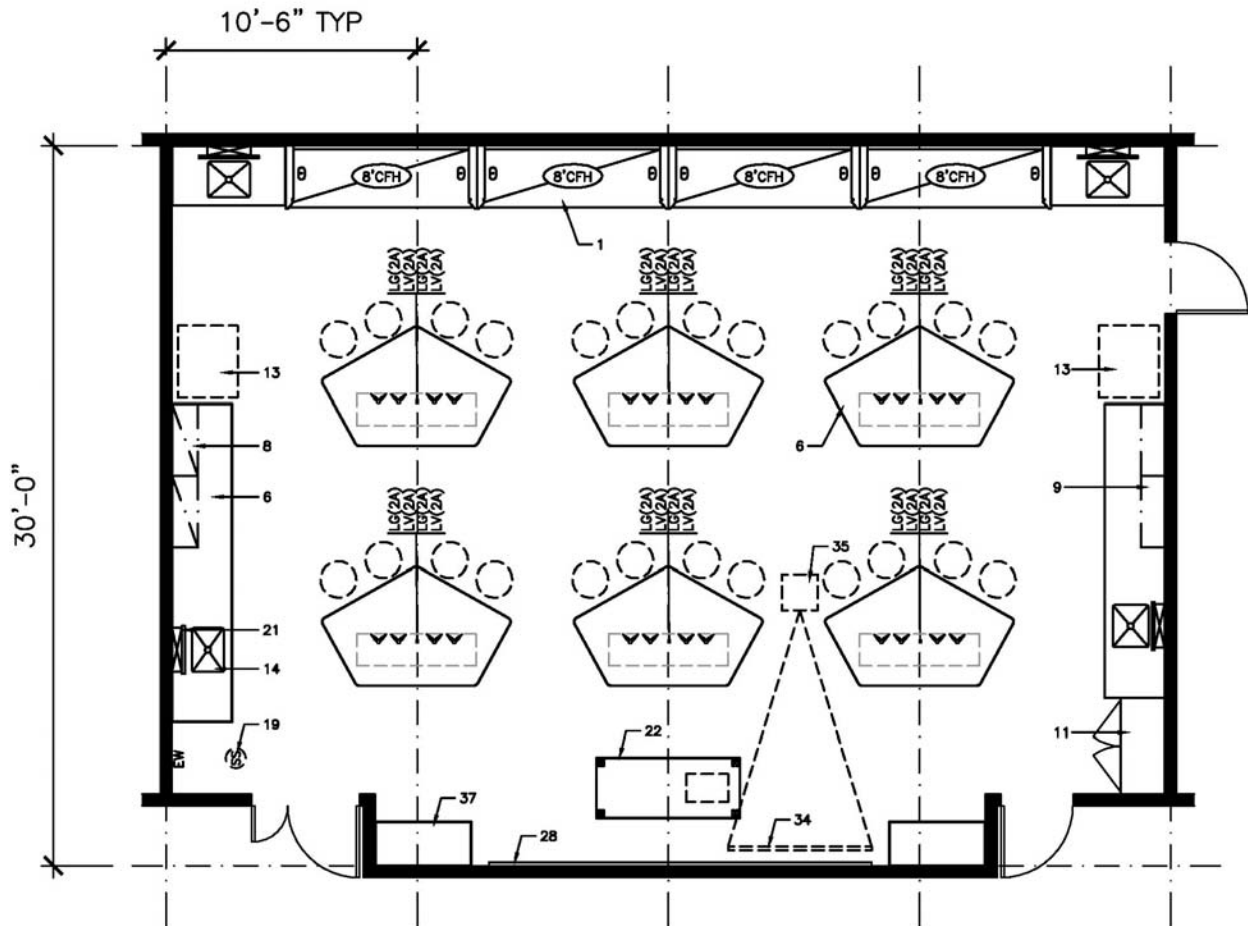
- A. (4) 8' CFH's w/ ss liner & benchtop comb @ 950cfm each
- 1. 20 AC/H - Max
- 2. (4) Sinks @ perimeter. One hands free

Appendix A: Room Data Sheets

Room ID No.: 9C
 Room Name: Open Source Laboratory
 Unit: Radiation Center

Occupancy: 24
 Room Size: 1,280 ASF

This diagram is conceptual and is provided only to indicate required furnishings, equipment, and general room proportions. The actual room design may change.



FURNISHINGS

- | | | |
|--------------------------------------|----------------------------------|---|
| 1. Chemical Fume Hood | 13. Equipment Space | 25. Autoclave |
| 2. Biological Safety Cabinet | 14. Laboratory Sink | 26. Moveable Laboratory Table |
| 3. Radioisotope Hood | 15. Cupsink | 27. Wire Shelving |
| 4. Vented Workstation | 16. Processing Sink | 28. White Markerboard |
| 5. Snorkel Exhaust | 17. Cylinder Rack | 29. Black Chalkboard |
| 6. Laboratory Bench, Standing Height | 18. Gas Cabinet | 30. Tackboard |
| 7. Laboratory Bench, Sitting Height | 19. Safety Shower/Eyewash | 31. Desk |
| 8. Wall Cabinet | 20. Overhead Service Carrier | 32. Balance Table |
| 9. Adjustable Shelves | 21. Pipe Drop Enclosure | 33. Writing Table |
| 10. Reagent Shelves | 22. Moveable Demonstration Bench | 34. A/V Screen |
| 11. Tall Storage Cabinet | 23. Glassware Washer | 35. Multi-media Projector (Ceiling Mounted) |
| 12. Vented Flammable Storage Cabinet | 24. Glassware Dryer | 36. File Cabinet |
| | | 37. Coat/Book Bag Storage Unit |

Appendix A: Room Data Sheets

Room ID No.: 9D
 Room Name: Laboratory Support - Stock Room
 Unit: Radiation Center
 Occupancy:
 Room Size: 160 ASF

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____ 4</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">LABORATORY EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Vibration Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Light Sensitive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Vibration Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Heat Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Noise Producing</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">PLUMBING</th> </tr> <tr> <td style="padding: 2px;">Laboratory Gas (LG)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Vacuum (LV)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Air (LA)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Compressed Air, 100 psi (A)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Hot Water (IHW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Industrial Cold Water (ICW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Hot Water (HW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Potable Cold Water (CW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Purified Water (PW)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chilled Water (CHW S/R)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Steam</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Condensate Return</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carbon Dioxide (CO₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Nitrogen Gas (N₂)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Cylinder Gases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Inert</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Flammable</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Toxic</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Drain (FD)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Floor Sink (FS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Safety Shower/Eyewash (SS)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Drench Hose (DH)</td> <td style="padding: 2px;">_____</td> </tr> </table>	UTILIZATION		Hours of Use	_____	8 hours/day	_____	14 hours/day	_____ ●	24 hours/day	_____	MECHANICAL		Temperature	_____	68°-75° ± 2°F	_____ ●	Other	_____	Humidity	_____	Uncontrolled	_____ ●	Other	_____	Minimum Air Changes/Hr.	_____ 4	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	_____ ●	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	_____	Light Sensitive	_____	Vibration Producing	_____	Heat Producing	_____	Noise Producing	_____	PLUMBING		Laboratory Gas (LG)	_____	Laboratory Vacuum (LV)	_____	Laboratory Air (LA)	_____	Compressed Air, 100 psi (A)	_____	Industrial Hot Water (IHW)	_____	Industrial Cold Water (ICW)	_____	Potable Hot Water (HW)	_____	Potable Cold Water (CW)	_____	Purified Water (PW)	_____	Chilled Water (CHW S/R)	_____	Steam	_____	Condensate Return	_____	Carbon Dioxide (CO ₂)	_____	Nitrogen Gas (N ₂)	_____	Cylinder Gases	_____	Inert	_____	Flammable	_____	Toxic	_____	Floor Drain (FD)	_____	Floor Sink (FS)	_____	Safety Shower/Eyewash (SS)	_____	Drench Hose (DH)	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">CHEMICALS</th> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">_____ 9'-0" min.</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____ ●</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____ ●	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	_____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____ ●	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____ ●	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	_____ ●	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	_____ ●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	_____ ●	Gyp Board, Epoxy Paint	_____	Height	_____ 9'-0" min.	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Appendix A: Room Data Sheets

Room ID No.: 9E
 Room Name: Shared Isotope Prep
 Unit: Radiation Center

Occupancy: 1
 Room Size: 400 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV)
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R)
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂)
 Cylinder Gases
 Inert
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage
 Radioisotope Storage
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____
 Gyp Board, Epoxy Paint
 Height 9'-0" min
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- A. 8' CFH w/ ss liner & benchtop comb @ 950 cfm
- 1. 14 AC/H - Max
- 2. Hands free sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 9H1
 Room Name: Special Instruments
 Unit: Radiation Center

Occupancy:
 Room Size: 267 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4 _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents
 Radioisotopes
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

- Scintillation counter on a cart

Appendix A: Room Data Sheets

Room ID No.: 9H2
 Room Name: Nuclide Storage
 Unit: Radiation Center

Occupancy:
 Room Size: 160 ASF

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	●	Computer	
8 hours/day		208V, 30A, 1 Phase		DVD or Bluray Player	
14 hours/day		208V, 30A, 3 Phase		Document Camera	
24 hours/day	●	480V, 100A, 3 Phase		Audio System	
		Isolated Ground Outlet		Touch-Screen Controls	
		Emergency Power		Lighting	
		UPS (OFOI)		Audio/Visual	
		Phone		Overhead Projector	
		Data		Projection Screen(s)	
		In Use Light		Lecture Capture	
		Task Lighting		Flat Panel Monitor	
		Lighting Level		Digital Signage	
		100 fc at bench/desk		SMART Board Technology	
		75 fc at bench/desk	●		
		Safe Light			
		Special Lighting			
		Darkenable			
		Zoned Lighting			
		Other			
MECHANICAL		CHEMICALS		MOVABLE EQUIPMENT	
Temperature		Bases		Movable Chairs	
68°-75° ± 2°F	●	Acids		Task Chair(s)	
Other		Solvents		Movable Desks	
Humidity		Radioisotopes	●	Movable Laboratory Stations	
Uncontrolled	●	Carcinogens/Regulated		Lounge Seating	
Other		Chemical Waste Storage		Movable Table(s)	
Minimum Air Changes/Hr.	1	Biological Storage		Recycling	
Air Recirculation		Radioisotope Storage	●	Bookshelves	
Air Pressure Positive		Chemical Storage		Refrigerator	
Air Pressure Negative	●			Microwave	
Additional Supply Air Filtration				Coffeemaker	
Additional Exhaust Air Filtration				Copier/Scanner/Printer	
HOODS		ARCHITECTURAL		FIXED EQUIPMENT	
Chemical Fume Hood		Floor		Bulletin Board	
Radioisotope Hood		VCT (Chemical Resistant)		Marker Board	
Horizontal Laminar Flow Hood		VCT		Clock	
Biological Safety Cabinet		Welded Seam Sheet Vinyl	●	Pencil Sharpener	
Snorkel		Epoxy		Teaching Podium	
Canopy Hood		Carpet		Laboratory Workstations	
Low Slotted Exhaust		Sealed Concrete		Coat Hook(s)	
Equipment Exhaust		Terrazzo			
Other		Tile			
		Other			
		Base			
		4" Vinyl	●		
		Carpet			
		Integral w/floor			
		Terrazzo			
		Tile			
		Other			
		Partitions			
		Gyp Board, Epoxy Paint			
		Gyp Board, Paint			
		Other	conc		
		Ceiling			
		Open			
		Acoustical Tile			
		Gyp Board, Epoxy Paint	●		
		Height	9'-0" min.		
		Doors			
		3'-6" x 7'			
		3'-0" x 7'	●		
		1'-6" x 7'			
		Light Tight Rotating Door			
		Vision Panel			
		Natural Daylight			
LABORATORY EQUIPMENT				ROOM DESCRIPTION	
Vibration Sensitive					
Light Sensitive					
Vibration Producing					
Heat Producing					
Noise Producing					
PLUMBING				REMARKS	
Laboratory Gas (LG)				1.	Requires floor, wall and ceiling radiation protection.
Laboratory Vacuum (LV)				2.	Requires three levels of alarmed security access.
Laboratory Air (LA)					
Compressed Air, 100 psi (A)					
Industrial Hot Water (IHW)					
Industrial Cold Water (ICW)					
Potable Hot Water (HW)					
Potable Cold Water (CW)					
Purified Water (PW)					
Chilled Water (CHW S/R)					
Steam					
Condensate Return					
Carbon Dioxide (CO ₂)					
Nitrogen Gas (N ₂)					
Cylinder Gases					
Inert					
Flammable					
Toxic					
Floor Drain (FD)					
Floor Sink (FS)					
Safety Shower/Eyewash (SS)					
Drench Hose (DH)					

Appendix A: Room Data Sheets

Room ID No.: 9H3
 Room Name: Neutron Howitzer
 Unit: Radiation Center

Occupancy:
 Room Size: 53 ASF

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Appendix A: Room Data Sheets

Room ID No.: 10B Occupancy: 1
 Room Name: Class 100 Clean Research Laboratory Room Size: 320 ASF
 Unit: River Studies Center

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">6_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">●_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">A. _____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">B. _____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; 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Appendix A: Room Data Sheets

Room ID No.: 10C
 Room Name: Faculty/Student Research
 Unit: River Studies Center

Occupancy: 1
 Room Size: 1,440 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 6
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood A.
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase one
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power one
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids
 Solvents
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7'
 Light Tight Rotating Door _____
 Vision Panel
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s)

ROOM DESCRIPTION

REMARKS

- A. 6' CFH comb @ 670cfm
- 1. 10 AC/H – Max
- 2. (2) Sinks @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 10D1
 Room Name: Microscope
 Unit: River Studies Center

Occupancy:
 Room Size: 160 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td>Hours of Use</td> <td></td> </tr> <tr> <td> 8 hours/day</td> <td>_____</td> </tr> <tr> <td> 14 hours/day</td> <td>_____</td> </tr> <tr> <td> 24 hours/day</td> <td style="text-align: center;">●</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td>Temperature</td> <td></td> </tr> <tr> <td> 68°-75° ± 2°F</td> <td style="text-align: center;">●</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Humidity</td> <td></td> </tr> <tr> <td> Uncontrolled</td> <td style="text-align: center;">●</td> </tr> <tr> <td> Other</td> <td>_____</td> </tr> <tr> <td>Minimum Air Changes/Hr.</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Air Recirculation</td> <td>_____</td> </tr> <tr> <td>Air Pressure Positive</td> <td>_____</td> </tr> <tr> <td>Air Pressure Negative</td> <td style="text-align: center;">●</td> </tr> <tr> <td>Additional Supply Air Filtration</td> <td>_____</td> </tr> <tr> <td>Additional Exhaust Air Filtration</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td>Chemical Fume Hood</td> <td>_____</td> </tr> <tr> <td>Radioisotope Hood</td> <td>_____</td> </tr> <tr> <td>Horizontal Laminar Flow Hood</td> <td>_____</td> </tr> <tr> <td>Biological Safety Cabinet</td> <td>_____</td> </tr> <tr> <td>Snorkel</td> <td>_____</td> </tr> <tr> <td>Canopy Hood</td> <td>_____</td> </tr> <tr> <td>Low Slotted Exhaust</td> <td>_____</td> </tr> <tr> <td>Equipment Exhaust</td> <td>_____</td> </tr> <tr> <td>Other</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">LABORATORY EQUIPMENT</td> </tr> <tr> <td>Vibration Sensitive</td> <td style="text-align: center;">●</td> </tr> <tr> <td>Light Sensitive</td> <td style="text-align: center;">A.</td> </tr> <tr> <td>Vibration Producing</td> <td>_____</td> </tr> <tr> <td>Heat Producing</td> <td>_____</td> </tr> <tr> <td>Noise Producing</td> <td>_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">PLUMBING</td> </tr> <tr> <td>Laboratory Gas (LG)</td> <td>_____</td> </tr> <tr> <td>Laboratory Vacuum (LV)</td> <td>_____</td> </tr> <tr> <td>Laboratory Air (LA)</td> <td>_____</td> </tr> <tr> <td>Compressed Air, 100 psi (A)</td> <td>_____</td> </tr> <tr> <td>Industrial Hot Water (IHW)</td> <td>_____</td> </tr> <tr> <td>Industrial Cold Water (ICW)</td> <td>_____</td> </tr> <tr> <td>Potable Hot Water (HW)</td> <td>_____</td> </tr> <tr> <td>Potable Cold Water (CW)</td> <td>_____</td> </tr> <tr> <td>Purified Water (PW)</td> <td>_____</td> </tr> <tr> <td>Chilled Water (CHW S/R)</td> <td>_____</td> </tr> <tr> <td>Steam</td> <td>_____</td> </tr> <tr> <td>Condensate Return</td> <td>_____</td> </tr> <tr> <td>Carbon Dioxide (CO₂)</td> <td>_____</td> </tr> <tr> <td>Nitrogen Gas (N₂)</td> <td>_____</td> </tr> <tr> <td>Cylinder Gases</td> <td>_____</td> </tr> <tr> <td> Inert</td> <td>_____</td> </tr> <tr> <td> Flammable</td> <td>_____</td> </tr> <tr> <td> Toxic</td> <td>_____</td> </tr> <tr> <td>Floor Drain (FD)</td> <td>_____</td> </tr> <tr> <td>Floor Sink (FS)</td> <td>_____</td> </tr> <tr> <td>Safety Shower/Eyewash (SS)</td> <td>_____</td> </tr> <tr> <td>Drench Hose (DH)</td> <td>_____</td> </tr> </table>	UTILIZATION		Hours of Use		8 hours/day	_____	14 hours/day	_____	24 hours/day	●	MECHANICAL		Temperature		68°-75° ± 2°F	●	Other	_____	Humidity		Uncontrolled	●	Other	_____	Minimum Air Changes/Hr.	4	Air Recirculation	_____	Air Pressure Positive	_____	Air Pressure Negative	●	Additional Supply Air Filtration	_____	Additional Exhaust Air Filtration	_____	HOODS		Chemical Fume Hood	_____	Radioisotope Hood	_____	Horizontal Laminar Flow Hood	_____	Biological Safety Cabinet	_____	Snorkel	_____	Canopy Hood	_____	Low Slotted Exhaust	_____	Equipment Exhaust	_____	Other	_____	LABORATORY EQUIPMENT		Vibration Sensitive	●	Light Sensitive	A.	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Appendix A: Room Data Sheets

Room ID No.: 10D2
 Room Name: Fish Culture
 Unit: River Studies Center

Occupancy:
 Room Size: 160 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day

MECHANICAL

Temperature
 68°-75° ± 2°F
 Other _____
 Humidity
 Uncontrolled
 Other _____
 Minimum Air Changes/Hr. 4
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LA)
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW)
 Industrial Cold Water (ICW)
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW)
 Chilled Water (CHW S/R) _____
 Well Water
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases
 Inert
 Flammable _____
 Toxic _____
 Floor Drain (FD)
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS)
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint
 Other _____
 Ceiling
 Open _____
 Acoustical Tile
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7'
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

1. (1) Sink @ perimeter

Appendix A: Room Data Sheets

Room ID No.: 11A
Room Name: Dean’s Office
Unit: College of Science & Health – Dean’s Office

Occupancy: 1
Room Size: 185 ASF

UTILIZATION

Hours of Use
8 hours/day
14 hours/day
24 hours/day

MECHANICAL

Temperature
68°-75° ± 2°F
Other
Humidity
Uncontrolled
Other
Minimum Air Changes/Hr.
Air Recirculation
Air Pressure Positive
Air Pressure Negative
Additional Supply Air Filtration
Additional Exhaust Air Filtration

HOODS

Chemical Fume Hood
Radioisotope Hood
Horizontal Laminar Flow Hood
Biological Safety Cabinet
Snorkel
Canopy Hood
Low Slotted Exhaust
Equipment Exhaust
Other

LABORATORY EQUIPMENT

Vibration Sensitive
Light Sensitive
Vibration Producing
Heat Producing
Noise Producing

PLUMBING

Laboratory Gas (LG)
Laboratory Vacuum (LV)
Laboratory Air (LV)
Compressed Air, 100 psi (A)
Industrial Hot Water (IHW)
Industrial Cold Water (ICW)
Potable Hot Water (HW)
Potable Cold Water (CW)
Purified Water (PW)
Chilled Water (CHW S/R)
Steam
Condensate Return
Carbon Dioxide (CO₂)
Nitrogen Gas (N₂)
Cylinder Gases
Inert
Flammable
Toxic
Floor Drain (FD)
Floor Sink (FS)
Safety Shower/Eyewash (SS)
Drench Hose (DH)

ELECTRICAL

110V, 20A, 1 Phase
208V, 30A, 1 Phase
208V, 30A, 3 Phase
480V, 100A, 3 Phase
Isolated Ground Outlet
Emergency Power
UPS (OFOI)
Phone
Data
In Use Light
Task Lighting
Lighting Level
100 fc at bench/desk
75 fc at bench/desk
Safe Light
Special Lighting
Darkenable
Zoned Lighting
Other

CHEMICALS

Bases
Acids
Solvents
Radioisotopes
Carcinogens/Regulated
Chemical Waste Storage
Biological Storage
Radioisotope Storage
Chemical Storage

ARCHITECTURAL

Floor
VCT (Chemical Resistant)
VCT
Welded Seam Sheet Vinyl
Epoxy
Carpet
Sealed Concrete
Terrazzo
Tile
Other
Base
4” Vinyl
Carpet
Integral w/floor
Terrazzo
Tile
Other
Partitions
Gyp Board, Epoxy Paint
Gyp Board, Paint
Other
Ceiling
Open
Acoustical Tile
Gyp Board, Epoxy Paint
Height
9'-0" min.
Doors
3'-6" x 7'
3'-0" x 7'
1'-6" x 7'
Light Tight Rotating Door
Vision Panel
Natural Daylight

TECHNOLOGY

Computer
DVD or Bluray Player
Document Camera
Audio System
Touch-Screen Controls
Lighting
Audio/Visual
Overhead Projector
Projection Screen(s)
Lecture Capture
Flat Panel Monitor
Digital Signage
SMART Board Technology

MOVABLE EQUIPMENT

Movable Chairs
Task Chair(s)
Movable Desks
Movable Laboratory Stations
Lounge Seating
Movable Table(s)
Recycling
Bookshelves
Refrigerator
Microwave
Coffeemaker
Copier/Scanner/Printer

FIXED EQUIPMENT

Bulletin Board
Marker Board
Clock
Pencil Sharpener
Teaching Podium
Laboratory Workstations
Coat Hook(s)

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 11C
 Room Name: Assistant to Dean's Office
 Unit: College of Science & Health – Dean's Office
 Occupancy: 1
 Room Size: 135 ASF

UTILIZATION	
Hours of Use	
8 hours/day	_____
14 hours/day	_____
24 hours/day	_____

MECHANICAL	
Temperature	
68°-75° ± 2°F	_____
Other	_____
Humidity	
Uncontrolled	_____
Other	_____
Minimum Air Changes/Hr.	_____
Air Recirculation	_____
Air Pressure Positive	_____
Air Pressure Negative	_____
Additional Supply Air Filtration	_____
Additional Exhaust Air Filtration	_____

HOODS	
Chemical Fume Hood	_____
Radioisotope Hood	_____
Horizontal Laminar Flow Hood	_____
Biological Safety Cabinet	_____
Snorkel	_____
Canopy Hood	_____
Low Slotted Exhaust	_____
Equipment Exhaust	_____
Other	_____

LABORATORY EQUIPMENT	
Vibration Sensitive	_____
Light Sensitive	_____
Vibration Producing	_____
Heat Producing	_____
Noise Producing	_____

PLUMBING	
Laboratory Gas (LG)	_____
Laboratory Vacuum (LV)	_____
Laboratory Air (LV)	_____
Compressed Air, 100 psi (A)	_____
Industrial Hot Water (IHW)	_____
Industrial Cold Water (ICW)	_____
Potable Hot Water (HW)	_____
Potable Cold Water (CW)	_____
Purified Water (PW)	_____
Chilled Water (CHW S/R)	_____
Steam	_____
Condensate Return	_____
Carbon Dioxide (CO ₂)	_____
Nitrogen Gas (N ₂)	_____
Cylinder Gases	
Inert	_____
Flammable	_____
Toxic	_____
Floor Drain (FD)	_____
Floor Sink (FS)	_____
Safety Shower/Eyewash (SS)	_____
Drench Hose (DH)	_____

ELECTRICAL	
110V, 20A, 1 Phase	_____
208V, 30A, 1 Phase	_____
208V, 30A, 3 Phase	_____
480V, 100A, 3 Phase	_____
Isolated Ground Outlet	_____
Emergency Power	_____
UPS (OFOI)	_____
Phone	●
Data	●
In Use Light	_____
Task Lighting	●
Lighting Level	
100 fc at bench/desk	_____
75 fc at bench/desk	_____
Safe Light	_____
Special Lighting	_____
Darkenable	_____
Zoned Lighting	_____
Other	_____

CHEMICALS	
Bases	_____
Acids	_____
Solvents	_____
Radioisotopes	_____
Carcinogens/Regulated	_____
Chemical Waste Storage	_____
Biological Storage	_____
Radioisotope Storage	_____
Chemical Storage	_____

ARCHITECTURAL	
Floor	
VCT (Chemical Resistant)	_____
VCT	_____
Welded Seam Sheet Vinyl	_____
Epoxy	_____
Carpet	●
Sealed Concrete	_____
Terrazzo	_____
Tile	_____
Other	_____
Base	
4" Vinyl	_____
Carpet	●
Integral w/floor	_____
Terrazzo	_____
Tile	_____
Other	_____
Partitions	
Gyp Board, Epoxy Paint	_____
Gyp Board, Paint	●
Other	_____
Ceiling	
Open	_____
Acoustical Tile	●
Gyp Board, Epoxy Paint	_____
Height	9'-0" min.
Doors	
3'-6" x 7'	_____
3'-0" x 7'	●
1'-6" x 7'	_____
Light Tight Rotating Door	_____
Vision Panel	●
Natural Daylight	●

TECHNOLOGY	
Computer	●
DVD or Bluray Player	_____
Document Camera	_____
Audio System	_____
Touch-Screen Controls	_____
Lighting	_____
Audio/Visual	_____
Overhead Projector	_____
Projection Screen(s)	_____
Lecture Capture	_____
Flat Panel Monitor	_____
Digital Signage	_____
SMART Board Technology	_____

MOVABLE EQUIPMENT	
Movable Chairs	●
Task Chair(s)	●
Movable Desks	●
Movable Laboratory Stations	_____
Lounge Seating	_____
Movable Table(s)	_____
Recycling	_____
Bookshelves	●
Refrigerator	_____
Microwave	_____
Coffeemaker	_____
Copier/Scanner/Printer	_____

FIXED EQUIPMENT	
Bulletin Board	_____
Marker Board	_____
Clock	_____
Pencil Sharpener	_____
Teaching Podium	_____
Laboratory Workstations	_____
Coat Hook(s)	●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 11D Occupancy: 1
Room Name: Dean's Assistant Room Size: 135 ASF
Unit: College of Science & Health – Dean's Office

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use		110V, 20A, 1 Phase	_____	Computer	●
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
		Emergency Power	_____	Lighting	_____
		UPS (OFOI)	_____	Audio/Visual	_____
MECHANICAL		Phone	●	Overhead Projector	_____
Temperature		Data	●	Projection Screen(s)	_____
68°-75° ± 2°F	_____	In Use Light	_____	Lecture Capture	_____
Other	_____	Task Lighting	●	Flat Panel Monitor	_____
Humidity		Lighting Level	_____	Digital Signage	_____
Uncontrolled	_____	100 fc at bench/desk	_____	SMART Board Technology	_____
Other	_____	75 fc at bench/desk	_____		
Minimum Air Changes/Hr.	_____	Safe Light	_____	MOVABLE EQUIPMENT	
Air Recirculation	_____	Special Lighting	_____	Movable Chairs	●
Air Pressure Positive	_____	Darkenable	_____	Task Chair(s)	●
Air Pressure Negative	_____	Zoned Lighting	_____	Movable Desks	●
Additional Supply Air Filtration	_____	Other	_____	Movable Laboratory Stations	_____
Additional Exhaust Air Filtration	_____			Lounge Seating	_____
				Movable Table(s)	_____
HOODS		CHEMICALS		Recycling	_____
Chemical Fume Hood	_____	Bases	_____	Bookshelves	●
Radioisotope Hood	_____	Acids	_____	Refrigerator	_____
Horizontal Laminar Flow Hood	_____	Solvents	_____	Microwave	_____
Biological Safety Cabinet	_____	Radioisotopes	_____	Coffeemaker	_____
Snorkel	_____	Carcinogens/Regulated	_____	Copier/Scanner/Printer	_____
Canopy Hood	_____	Chemical Waste Storage	_____		
Low Slotted Exhaust	_____	Biological Storage	_____	FIXED EQUIPMENT	
Equipment Exhaust	_____	Radioisotope Storage	_____	Bulletin Board	_____
Other	_____	Chemical Storage	_____	Marker Board	_____
				Clock	_____
LABORATORY EQUIPMENT		ARCHITECTURAL		Pencil Sharpener	_____
Vibration Sensitive	_____	Floor		Teaching Podium	_____
Light Sensitive	_____	VCT (Chemical Resistant)	_____	Laboratory Workstations	_____
Vibration Producing	_____	VCT	_____	Coat Hook(s)	●
Heat Producing	_____	Welded Seam Sheet Vinyl	_____		
Noise Producing	_____	Epoxy	_____	ROOM DESCRIPTION	
		Carpet	●		
PLUMBING		Sealed Concrete	_____		
Laboratory Gas (LG)	_____	Terrazzo	_____		
Laboratory Vacuum (LV)	_____	Tile	_____		
Laboratory Air (LV)	_____	Other	_____		
Compressed Air, 100 psi (A)	_____				
Industrial Hot Water (IHW)	_____	Base			
Industrial Cold Water (ICW)	_____	4" Vinyl	_____		
Potable Hot Water (HW)	_____	Carpet	●		
Potable Cold Water (CW)	_____	Integral w/floor	_____		
Purified Water (PW)	_____	Terrazzo	_____		
Chilled Water (CHW S/R)	_____	Tile	_____		
Steam	_____	Other	_____		
Condensate Return	_____	Partitions			
Carbon Dioxide (CO ₂)	_____	Gyp Board, Epoxy Paint	_____		
Nitrogen Gas (N ₂)	_____	Gyp Board, Paint	●		
Cylinder Gases		Other	_____		
Inert	_____	Ceiling			
Flammable	_____	Open	_____		
Toxic	_____	Acoustical Tile	●		
Floor Drain (FD)	_____	Gyp Board, Epoxy Paint	_____		
Floor Sink (FS)	_____	Height	9'-0" min.		
Safety Shower/Eyewash (SS)	_____	Doors			
Drench Hose (DH)	_____	3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	_____		
		Light Tight Rotating Door	_____		
		Vision Panel	●		
		Natural Daylight	●		

REMARKS					

Appendix A: Room Data Sheets

Room ID No.: 11E
 Room Name: Assistant to Dean
 Unit: College of Science & Health – Dean’s Office

Occupancy: 1
 Room Size: 135 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer <input checked="" type="checkbox"/>
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
MECHANICAL	Phone <input checked="" type="checkbox"/>	Overhead Projector _____
Temperature	Data <input checked="" type="checkbox"/>	Projection Screen(s) _____
68°-75° ± 2°F _____	In Use Light _____	Lecture Capture _____
Other _____	Task Lighting <input checked="" type="checkbox"/>	Flat Panel Monitor _____
Humidity	Lighting Level _____	Digital Signage _____
Uncontrolled _____	100 fc at bench/desk _____	SMART Board Technology _____
Other _____	75 fc at bench/desk _____	
Minimum Air Changes/Hr. _____	Safe Light _____	MOVABLE EQUIPMENT
Air Recirculation _____	Special Lighting _____	Movable Chairs <input checked="" type="checkbox"/>
Air Pressure Positive _____	Darkenable _____	Task Chair(s) <input checked="" type="checkbox"/>
Air Pressure Negative _____	Zoned Lighting _____	Movable Desks <input checked="" type="checkbox"/>
Additional Supply Air Filtration _____	Other _____	Movable Laboratory Stations _____
Additional Exhaust Air Filtration _____		Lounge Seating _____
	CHEMICALS	Movable Table(s) _____
HOODS	Bases _____	Recycling _____
Chemical Fume Hood _____	Acids _____	Bookshelves <input checked="" type="checkbox"/>
Radioisotope Hood _____	Solvents _____	Refrigerator _____
Horizontal Laminar Flow Hood _____	Radioisotopes _____	Microwave _____
Biological Safety Cabinet _____	Carcinogens/Regulated _____	Coffeemaker _____
Snorkel _____	Chemical Waste Storage _____	Copier/Scanner/Printer _____
Canopy Hood _____	Biological Storage _____	
Low Slotted Exhaust _____	Radioisotope Storage _____	FIXED EQUIPMENT
Equipment Exhaust _____	Chemical Storage _____	Bulletin Board _____
Other _____		Marker Board _____
	ARCHITECTURAL	Clock _____
LABORATORY EQUIPMENT	Floor	Pencil Sharpener _____
Vibration Sensitive _____	VCT (Chemical Resistant) _____	Teaching Podium _____
Light Sensitive _____	VCT _____	Laboratory Workstations _____
Vibration Producing _____	Welded Seam Sheet Vinyl _____	Coat Hook(s) <input checked="" type="checkbox"/>
Heat Producing _____	Epoxy _____	
Noise Producing _____	Carpet <input checked="" type="checkbox"/>	ROOM DESCRIPTION
	Sealed Concrete _____	
PLUMBING	Terrazzo _____	
Laboratory Gas (LG) _____	Tile _____	
Laboratory Vacuum (LV) _____	Other _____	
Laboratory Air (LV) _____	Base	
Compressed Air, 100 psi (A) _____	4" Vinyl _____	
Industrial Hot Water (IHW) _____	Carpet <input checked="" type="checkbox"/>	
Industrial Cold Water (ICW) _____	Integral w/floor _____	
Potable Hot Water (HW) _____	Terrazzo _____	
Potable Cold Water (CW) _____	Tile _____	
Purified Water (PW) _____	Other _____	
Chilled Water (CHW S/R) _____	Partitions	
Steam _____	Gyp Board, Epoxy Paint _____	
Condensate Return _____	Gyp Board, Paint <input checked="" type="checkbox"/>	
Carbon Dioxide (CO ₂) _____	Other _____	
Nitrogen Gas (N ₂) _____	Ceiling	
Cylinder Gases _____	Open _____	
Inert _____	Acoustical Tile <input checked="" type="checkbox"/>	
Flammable _____	Gyp Board, Epoxy Paint _____	
Toxic _____	Height 9'-0" min. _____	
Floor Drain (FD) _____	Doors	
Floor Sink (FS) _____	3'-6" x 7' _____	
Safety Shower/Eyewash (SS) _____	3'-0" x 7' <input checked="" type="checkbox"/>	
Drench Hose (DH) _____	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel <input checked="" type="checkbox"/>	
	Natural Daylight <input checked="" type="checkbox"/>	
		REMARKS

Appendix A: Room Data Sheets

Room ID No.: 11F Occupancy: 8
 Room Name: Program Assistant/Reception Area/Files Room Size: 449 ASF
 Unit: College of Science & Health – Dean's Office

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____ ●
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____ ●
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____ ●
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____ 9'-0" min.
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____ ●
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____ ●
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____ ●
 Task Chair(s) _____ ●
 Movable Desks _____ ●
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____ ●
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____ ●

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 11G

Occupancy:

Room Name: Workroom

Room Size: 120 ASF

Unit: College of Science & Health – Dean's Office

UTILIZATION

Hours of Use _____
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature _____
 68°-75° ± 2°F _____
 Other _____
 Humidity _____
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____
 Lighting Level _____
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor _____
 VCT (Chemical Resistant) _____
 VCT _____ ●
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____
 Tile _____
 Other _____
 Base _____
 4" Vinyl _____ ●
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions _____
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling _____
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height 9'-0" min. _____
 Doors _____
 3'-6" x 7' _____
 3'-0" x 7' _____ ●
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____ ●
 Microwave _____
 Coffeemaker _____ ●
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

1. (1) Single compartment sink

Appendix A: Room Data Sheets

Room ID No.: 111 Occupancy: 1
 Room Name: Storage Room Size: 120 ASF
 Unit: College of Science & Health – Dean’s Office

UTILIZATION		ELECTRICAL		TECHNOLOGY	
Hours of Use	_____	110V, 20A, 1 Phase	_____	Computer	_____
8 hours/day	_____	208V, 30A, 1 Phase	_____	DVD or Bluray Player	_____
14 hours/day	_____	208V, 30A, 3 Phase	_____	Document Camera	_____
24 hours/day	_____	480V, 100A, 3 Phase	_____	Audio System	_____
MECHANICAL		Isolated Ground Outlet	_____	Touch-Screen Controls	_____
Temperature	_____	Emergency Power	_____	Lighting	_____
68°-75° ± 2°F	_____	UPS (OFOI)	_____	Audio/Visual	_____
Other	_____	Phone	_____	Overhead Projector	_____
Humidity	_____	Data	_____	Projection Screen(s)	_____
Uncontrolled	_____	In Use Light	_____	Lecture Capture	_____
Other	_____	Task Lighting	_____	Flat Panel Monitor	_____
Minimum Air Changes/Hr.	_____	Lighting Level	_____	Digital Signage	_____
Air Recirculation	_____	100 fc at bench/desk	_____	SMART Board Technology	_____
Air Pressure Positive	_____	75 fc at bench/desk	_____	MOVABLE EQUIPMENT	
Air Pressure Negative	_____	Safe Light	_____	Movable Chairs	_____
Additional Supply Air Filtration	_____	Special Lighting	_____	Task Chair(s)	_____
Additional Exhaust Air Filtration	_____	Darkenable	_____	Movable Desks	_____
HOODS		Zoned Lighting	_____	Movable Laboratory Stations	_____
Chemical Fume Hood	_____	Other	_____	Lounge Seating	_____
Radioisotope Hood	_____	CHEMICALS		Movable Table(s)	_____
Horizontal Laminar Flow Hood	_____	Bases	_____	Recycling	_____
Biological Safety Cabinet	_____	Acids	_____	Bookshelves	_____
Snorkel	_____	Solvents	_____	Refrigerator	_____
Canopy Hood	_____	Radioisotopes	_____	Microwave	_____
Low Slotted Exhaust	_____	Carcinogens/Regulated	_____	Coffeemaker	_____
Equipment Exhaust	_____	Chemical Waste Storage	_____	Copier/Scanner/Printer	_____
Other	_____	Biological Storage	_____	FIXED EQUIPMENT	
LABORATORY EQUIPMENT		Radioisotope Storage	_____	Bulletin Board	_____
Vibration Sensitive	_____	Chemical Storage	_____	Marker Board	_____
Light Sensitive	_____	ARCHITECTURAL		Clock	_____
Vibration Producing	_____	Floor	_____	Pencil Sharpener	_____
Heat Producing	_____	VCT (Chemical Resistant)	_____	Teaching Podium	_____
Noise Producing	_____	VCT	_____	Laboratory Workstations	_____
PLUMBING		Welded Seam Sheet Vinyl	_____	Coat Hook(s)	_____
Laboratory Gas (LG)	_____	Epoxy	_____	ROOM DESCRIPTION	
Laboratory Vacuum (LV)	_____	Carpet	●		
Laboratory Air (LV)	_____	Sealed Concrete	_____		
Compressed Air, 100 psi (A)	_____	Terrazzo	_____		
Industrial Hot Water (IHW)	_____	Tile	_____		
Industrial Cold Water (ICW)	_____	Other	_____		
Potable Hot Water (HW)	_____	Base	_____	REMARKS	
Potable Cold Water (CW)	_____	4" Vinyl	_____	<ol style="list-style-type: none"> 1. Metal file cabinets 2. Metal storage cabinets 	
Purified Water (PW)	_____	Carpet	●		
Chilled Water (CHW S/R)	_____	Integral w/floor	_____		
Steam	_____	Terrazzo	_____		
Condensate Return	_____	Tile	_____		
Carbon Dioxide (CO ₂)	_____	Other	_____		
Nitrogen Gas (N ₂)	_____	Partitions	_____		
Cylinder Gases	_____	Gyp Board, Epoxy Paint	_____		
Inert	_____	Gyp Board, Paint	●		
Flammable	_____	Other	_____		
Toxic	_____	Ceiling	_____		
Floor Drain (FD)	_____	Open	_____		
Floor Sink (FS)	_____	Acoustical Tile	●		
Safety Shower/Eyewash (SS)	_____	Gyp Board, Epoxy Paint	_____		
Drench Hose (DH)	_____	Height	9'-0" min.		
		Doors	_____		
		3'-6" x 7'	_____		
		3'-0" x 7'	●		
		1'-6" x 7'	_____		
		Light Tight Rotating Door	_____		
		Vision Panel	_____		
		Natural Daylight	_____		

Appendix A: Room Data Sheets

Room ID No.: 11K Occupancy: 1
 Room Name: Administrative Specialist Room Size: 120 ASF
 Unit: College of Science & Health – Dean’s Office

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer <input checked="checked" type="checkbox"/>
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone <input checked="checked" type="checkbox"/>	Overhead Projector _____
	Data <input checked="checked" type="checkbox"/>	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting <input checked="checked" type="checkbox"/>	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs <input checked="checked" type="checkbox"/>
68°-75° ± 2°F _____	Acids _____	Task Chair(s) <input checked="checked" type="checkbox"/>
Other _____	Solvents _____	Movable Desks <input checked="checked" type="checkbox"/>
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves <input checked="checked" type="checkbox"/>
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet <input checked="checked" type="checkbox"/>	Laboratory Workstations _____
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) <input checked="checked" type="checkbox"/>
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl _____	
	Carpet <input checked="checked" type="checkbox"/>	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint <input checked="checked" type="checkbox"/>	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile <input checked="checked" type="checkbox"/>	
	Gyp Board, Epoxy Paint _____	
	Height <u>9'-0"</u> min.	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' <input checked="checked" type="checkbox"/>	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel <input checked="checked" type="checkbox"/>	
	Natural Daylight <input checked="checked" type="checkbox"/>	
LABORATORY EQUIPMENT		ROOM DESCRIPTION
Vibration Sensitive _____		
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		REMARKS
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 12A
 Room Name: Arrival Space Primary
 Unit: Building Support

Occupancy:
 Room Size: 1,500 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____
 Data _____ ●
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____
 Terrazzo _____ ●
 Tile _____ ●
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____ ●
 Tile _____ ●
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____ ●
 Other _____
 Ceiling
 Open _____
 Acoustical Tile _____ ●
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____ ●

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____ ●
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____ ●
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 12B.1-2
 Room Name: Arrival Space Secondary
 Unit: Building Support

Occupancy:
 Room Size: 900 ASF x 2

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">●</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">●</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	●	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	_____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	●	Tile	●	Other	_____	Base	_____	4" Vinyl	_____	Carpet	_____	Integral w/floor	_____	Terrazzo	●	Tile	●	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	●	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	●	Gyp Board, Epoxy Paint	_____	Height	_____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	_____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	●	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 12C
 Room Name: Equipment Storage
 Unit: Building Support

Occupancy:
 Room Size: 500 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 12D
 Room Name: Supply Storage
 Unit: Building Support

Occupancy:
 Room Size: 400 ASF

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padding: 2px;">ARCHITECTURAL</th> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	_____	Data	● _____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	● _____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	● _____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	_____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	_____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; 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color: white; text-align: left; padding: 2px;">FIXED EQUIPMENT</th> </tr> <tr> <td style="padding: 2px;">Bulletin Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Marker Board</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Clock</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Pencil Sharpener</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Teaching Podium</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Laboratory Workstations</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Coat Hook(s)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">ROOM DESCRIPTION</th> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; 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Appendix A: Room Data Sheets

Room ID No.: 12E
 Room Name: Custodial Maintenance Room
 Unit: Building Support

Occupancy:
 Room Size: 200 ASF

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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color: white; font-weight: bold; padding: 2px;">CHEMICALS</td> </tr> <tr> <td style="padding: 2px;">Bases</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Acids</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Solvents</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotopes</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Carcinogens/Regulated</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Waste Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Chemical Storage</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">ARCHITECTURAL</td> </tr> <tr> <td style="padding: 2px;">Floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT (Chemical Resistant)</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> VCT</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Welded Seam Sheet Vinyl</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Epoxy</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Sealed Concrete</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Base</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 4" Vinyl</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Carpet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Integral w/floor</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Terrazzo</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Tile</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Partitions</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Paint</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Ceiling</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Open</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Acoustical Tile</td> <td style="padding: 2px;">● _____</td> </tr> <tr> <td style="padding: 2px;"> Gyp Board, Epoxy Paint</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Height</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Doors</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 3'-0" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 1'-6" x 7'</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Light Tight Rotating Door</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Vision Panel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Natural Daylight</td> <td style="padding: 2px;">_____</td> </tr> </table>	ELECTRICAL		110V, 20A, 1 Phase	_____	208V, 30A, 1 Phase	_____	208V, 30A, 3 Phase	_____	480V, 100A, 3 Phase	_____	Isolated Ground Outlet	_____	Emergency Power	_____	UPS (OFOI)	_____	Phone	● _____	Data	● _____	In Use Light	_____	Task Lighting	_____	Lighting Level	_____	100 fc at bench/desk	_____	75 fc at bench/desk	_____	Safe Light	_____	Special Lighting	_____	Darkenable	_____	Zoned Lighting	_____	Other	_____	CHEMICALS		Bases	_____	Acids	_____	Solvents	_____	Radioisotopes	_____	Carcinogens/Regulated	_____	Chemical Waste Storage	_____	Biological Storage	_____	Radioisotope Storage	_____	Chemical Storage	_____	ARCHITECTURAL		Floor	_____	VCT (Chemical Resistant)	_____	VCT	● _____	Welded Seam Sheet Vinyl	_____	Epoxy	_____	Carpet	_____	Sealed Concrete	_____	Terrazzo	_____	Tile	_____	Other	_____	Base	_____	4" Vinyl	● _____	Carpet	_____	Integral w/floor	_____	Terrazzo	_____	Tile	_____	Other	_____	Partitions	_____	Gyp Board, Epoxy Paint	_____	Gyp Board, Paint	● _____	Other	_____	Ceiling	_____	Open	_____	Acoustical Tile	● _____	Gyp Board, Epoxy Paint	_____	Height	_____	Doors	_____	3'-6" x 7'	_____	3'-0" x 7'	_____	1'-6" x 7'	_____	Light Tight Rotating Door	_____	Vision Panel	_____	Natural Daylight	_____	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 12F
 Room Name: Loading Dock
 Unit: Building Support

Occupancy:
 Room Size: 320 ASF

UTILIZATION

Hours of Use
 8 hours/day _____
 14 hours/day _____
 24 hours/day _____

MECHANICAL

Temperature
 68°-75° ± 2°F _____
 Other _____
 Humidity
 Uncontrolled _____
 Other _____
 Minimum Air Changes/Hr. _____
 Air Recirculation _____
 Air Pressure Positive _____
 Air Pressure Negative _____
 Additional Supply Air Filtration _____
 Additional Exhaust Air Filtration _____

HOODS

Chemical Fume Hood _____
 Radioisotope Hood _____
 Horizontal Laminar Flow Hood _____
 Biological Safety Cabinet _____
 Snorkel _____
 Canopy Hood _____
 Low Slotted Exhaust _____
 Equipment Exhaust _____
 Other _____

LABORATORY EQUIPMENT

Vibration Sensitive _____
 Light Sensitive _____
 Vibration Producing _____
 Heat Producing _____
 Noise Producing _____

PLUMBING

Laboratory Gas (LG) _____
 Laboratory Vacuum (LV) _____
 Laboratory Air (LV) _____
 Compressed Air, 100 psi (A) _____
 Industrial Hot Water (IHW) _____
 Industrial Cold Water (ICW) _____
 Potable Hot Water (HW) _____
 Potable Cold Water (CW) _____
 Purified Water (PW) _____
 Chilled Water (CHW S/R) _____
 Steam _____
 Condensate Return _____
 Carbon Dioxide (CO₂) _____
 Nitrogen Gas (N₂) _____
 Cylinder Gases _____
 Inert _____
 Flammable _____
 Toxic _____
 Floor Drain (FD) _____
 Floor Sink (FS) _____
 Safety Shower/Eyewash (SS) _____
 Drench Hose (DH) _____

ELECTRICAL

110V, 20A, 1 Phase _____
 208V, 30A, 1 Phase _____
 208V, 30A, 3 Phase _____
 480V, 100A, 3 Phase _____
 Isolated Ground Outlet _____
 Emergency Power _____
 UPS (OFOI) _____
 Phone _____ ●
 Data _____ ●
 In Use Light _____
 Task Lighting _____
 Lighting Level
 100 fc at bench/desk _____
 75 fc at bench/desk _____
 Safe Light _____
 Special Lighting _____
 Darkenable _____
 Zoned Lighting _____
 Other _____

CHEMICALS

Bases _____
 Acids _____
 Solvents _____
 Radioisotopes _____
 Carcinogens/Regulated _____
 Chemical Waste Storage _____
 Biological Storage _____
 Radioisotope Storage _____
 Chemical Storage _____

ARCHITECTURAL

Floor
 VCT (Chemical Resistant) _____
 VCT _____
 Welded Seam Sheet Vinyl _____
 Epoxy _____
 Carpet _____
 Sealed Concrete _____ ●
 Terrazzo _____
 Tile _____
 Other _____
 Base
 4" Vinyl _____
 Carpet _____
 Integral w/floor _____
 Terrazzo _____
 Tile _____
 Other _____
 Partitions
 Gyp Board, Epoxy Paint _____
 Gyp Board, Paint _____
 Other _____
 Ceiling
 Open _____ ●
 Acoustical Tile _____
 Gyp Board, Epoxy Paint _____
 Height _____
 Doors
 3'-6" x 7' _____
 3'-0" x 7' _____
 1'-6" x 7' _____
 Light Tight Rotating Door _____
 Vision Panel _____
 Natural Daylight _____

TECHNOLOGY

Computer _____
 DVD or Bluray Player _____
 Document Camera _____
 Audio System _____
 Touch-Screen Controls _____
 Lighting _____
 Audio/Visual _____
 Overhead Projector _____
 Projection Screen(s) _____
 Lecture Capture _____
 Flat Panel Monitor _____
 Digital Signage _____
 SMART Board Technology _____

MOVABLE EQUIPMENT

Movable Chairs _____
 Task Chair(s) _____
 Movable Desks _____
 Movable Laboratory Stations _____
 Lounge Seating _____
 Movable Table(s) _____
 Recycling _____
 Bookshelves _____
 Refrigerator _____
 Microwave _____
 Coffeemaker _____
 Copier/Scanner/Printer _____

FIXED EQUIPMENT

Bulletin Board _____
 Marker Board _____
 Clock _____
 Pencil Sharpener _____
 Teaching Podium _____
 Laboratory Workstations _____
 Coat Hook(s) _____

ROOM DESCRIPTION

REMARKS

Appendix A: Room Data Sheets

Room ID No.: 12G
 Room Name: Temporary Storage
 Unit: Building Support

Occupancy:
 Room Size: 640 ASF

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data _____ ●	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs _____
68°-75° ± 2°F _____	Acids _____	Task Chair(s) _____
Other _____	Solvents _____	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____ ●	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet _____	Laboratory Workstations _____
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) _____
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____	
	Other _____	
	Base	
	4" Vinyl _____ ●	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint _____	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile _____ ●	
	Gyp Board, Epoxy Paint _____	
	Height _____	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
LABORATORY EQUIPMENT	REMARKS	
Vibration Sensitive _____	1. Metal storage shelving	
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		
Laboratory Gas (LG) _____		
Laboratory Vacuum (LV) _____		
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		

Appendix A: Room Data Sheets

Room ID No.: 121.1-8
 Room Name: Recycling Area
 Unit: Building Support

Occupancy:
 Room Size: 25 ASF x 8

<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">UTILIZATION</td> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px;">MECHANICAL</td> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; padding: 2px; text-align: center;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; 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Appendix A: Room Data Sheets

Room ID No.: 12J.1-4
 Room Name: IT & Electrical Closets
 Unit: Building Support

Occupancy:
 Room Size: 100 SF x 4

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 12K
 Room Name: Sustainability Support Space
 Unit: Building Support

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color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 12L.1-8
 Room Name: Custodial Closets
 Unit: Building Support

Occupancy:
 Room Size: 100 ASF x 8

<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">UTILIZATION</th> </tr> <tr> <td style="padding: 2px;">Hours of Use</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 8 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 14 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 24 hours/day</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">MECHANICAL</th> </tr> <tr> <td style="padding: 2px;">Temperature</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> 68°-75° ± 2°F</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Humidity</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Uncontrolled</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;"> Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Minimum Air Changes/Hr.</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Recirculation</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Positive</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Air Pressure Negative</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Supply Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Additional Exhaust Air Filtration</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; padding: 2px;">HOODS</th> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <th colspan="2" style="background-color: black; color: white; text-align: left; 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Appendix A: Room Data Sheets

Room ID No.: 12M
 Room Name: IT Storage/Workroom
 Unit: Building Support

Occupancy:
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color: white; font-weight: bold; padding: 2px;">HOODS</td> </tr> <tr> <td style="padding: 2px;">Chemical Fume Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Radioisotope Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Horizontal Laminar Flow Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Biological Safety Cabinet</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Snorkel</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Canopy Hood</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Low Slotted Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Equipment Exhaust</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td style="padding: 2px;">Other</td> <td style="padding: 2px;">_____</td> </tr> <tr> <td colspan="2" style="background-color: black; color: white; font-weight: bold; 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Appendix A: Room Data Sheets

Room ID No.: 12N.1-8
 Room Name: Uni-Sex Restrooms
 Unit: Building Support

Occupancy: 1
 Room Size: 70 ASF x 8

UTILIZATION	ELECTRICAL	TECHNOLOGY
Hours of Use	110V, 20A, 1 Phase _____	Computer _____
8 hours/day _____	208V, 30A, 1 Phase _____	DVD or Bluray Player _____
14 hours/day _____	208V, 30A, 3 Phase _____	Document Camera _____
24 hours/day _____	480V, 100A, 3 Phase _____	Audio System _____
	Isolated Ground Outlet _____	Touch-Screen Controls _____
	Emergency Power _____	Lighting _____
	UPS (OFOI) _____	Audio/Visual _____
	Phone _____	Overhead Projector _____
	Data _____	Projection Screen(s) _____
	In Use Light _____	Lecture Capture _____
	Task Lighting _____	Flat Panel Monitor _____
	Lighting Level _____	Digital Signage _____
	100 fc at bench/desk _____	SMART Board Technology _____
	75 fc at bench/desk _____	
	Safe Light _____	
	Special Lighting _____	
	Darkenable _____	
	Zoned Lighting _____	
	Other _____	
MECHANICAL	CHEMICALS	MOVABLE EQUIPMENT
Temperature	Bases _____	Movable Chairs _____
68°-75° ± 2°F _____	Acids _____	Task Chair(s) _____
Other _____	Solvents _____	Movable Desks _____
Humidity	Radioisotopes _____	Movable Laboratory Stations _____
Uncontrolled _____	Carcinogens/Regulated _____	Lounge Seating _____
Other _____	Chemical Waste Storage _____	Movable Table(s) _____
Minimum Air Changes/Hr. _____	Biological Storage _____	Recycling _____
Air Recirculation _____	Radioisotope Storage _____	Bookshelves _____
Air Pressure Positive _____	Chemical Storage _____	Refrigerator _____
Air Pressure Negative _____		Microwave _____
Additional Supply Air Filtration _____		Coffeemaker _____
Additional Exhaust Air Filtration _____		Copier/Scanner/Printer _____
HOODS	ARCHITECTURAL	FIXED EQUIPMENT
Chemical Fume Hood _____	Floor	Bulletin Board _____
Radioisotope Hood _____	VCT (Chemical Resistant) _____	Marker Board _____
Horizontal Laminar Flow Hood _____	VCT _____	Clock _____
Biological Safety Cabinet _____	Welded Seam Sheet Vinyl _____	Pencil Sharpener _____
Snorkel _____	Epoxy _____	Teaching Podium _____
Canopy Hood _____	Carpet _____	Laboratory Workstations _____
Low Slotted Exhaust _____	Sealed Concrete _____	Coat Hook(s) _____
Equipment Exhaust _____	Terrazzo _____	
Other _____	Tile _____ ●	
	Other _____	
	Base	
	4" Vinyl _____	
	Carpet _____	
	Integral w/floor _____	
	Terrazzo _____	
	Tile _____ ●	
	Other _____	
	Partitions	
	Gyp Board, Epoxy Paint _____	
	Gyp Board, Paint _____	
	Other _____	
	Ceiling	
	Open _____	
	Acoustical Tile _____ ●	
	Gyp Board, Epoxy Paint _____	
	Height _____	
	Doors	
	3'-6" x 7' _____	
	3'-0" x 7' _____	
	1'-6" x 7' _____	
	Light Tight Rotating Door _____	
	Vision Panel _____	
	Natural Daylight _____	
LABORATORY EQUIPMENT		ROOM DESCRIPTION
Vibration Sensitive _____		
Light Sensitive _____		
Vibration Producing _____		
Heat Producing _____		
Noise Producing _____		
PLUMBING		REMARKS
Laboratory Gas (LG) _____		1. Main floor restroom to include sink, water closet, and floor mounted urinal.
Laboratory Vacuum (LV) _____		2. Upper floor restrooms to sink and water closet.
Laboratory Air (LV) _____		
Compressed Air, 100 psi (A) _____		
Industrial Hot Water (IHW) _____		
Industrial Cold Water (ICW) _____		
Potable Hot Water (HW) _____		
Potable Cold Water (CW) _____		
Purified Water (PW) _____		
Chilled Water (CHW S/R) _____		
Steam _____		
Condensate Return _____		
Carbon Dioxide (CO ₂) _____		
Nitrogen Gas (N ₂) _____		
Cylinder Gases _____		
Inert _____		
Flammable _____		
Toxic _____		
Floor Drain (FD) _____		
Floor Sink (FS) _____		
Safety Shower/Eyewash (SS) _____		
Drench Hose (DH) _____		