

Room Data Sheets



E.1 Vivarium Room Data Sheets Table of Contents

The following room data sheets provide detailed specifications for the architectural, mechanical, electrical, telecommunications and special requirements for specific vivarium room types.

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E.2 General

These data sheets should be used as guides and references. Final vivarium layouts must be developed with the users and their research requirements. Specific criteria and requirements should be verified by the project team with the NIH, local, state, and federal regulatory agencies. For other abbreviations see section F - Appendix.

General Abbreviations:

AFF Above Finished Floor
BSC Biological Safety cabinet

Architectural Abbreviations:

ACT Lay-in acoustical ceiling tile
ACT-2 Lay-in acoustical tile with mylar protective finish
AFF Above finished floor
CMU Concrete masonry unit
CPT Carpet
CT Ceramic tile
ET Epoxy terrazo
GW Gypsum wallboard (with paint type not specified)
IR Integral resinous epoxy base
IV Integral sheet vinyl
PL Plastic laminate
R Resilient base (vinyl with cove base is acceptable)
RE Resinous epoxy
SS Stainless steel
SV Sheet vinyl
U/C Under-counter
VCT Vinyl composition tile
VWF Vinyl wall covering

Electrical Abbreviations:

GFI Ground fault interpreter
LAN Local area <computer> network
lx Lux
V Volts
A Amps

Mechanical Abbreviations:

°C Celsius
% Percentage
Sum Summer
Win Winter
L/s Liters per second



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	Yes (closeable)

Architectural Notes: Provide sound attenuation in Large-Animal Holding Room
All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned and able to withstand high pressure water.
Jamb guards around doors
Bumper guards on doors

MECHANICAL:

Room Pressure	Negative
Temperature °C	Variable, 16 to 29
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Low exhaust runs in walls, with mount for filter
Rough filter for hair and dander
Individual room temperature and humidity control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	No
Condensate	No

Plumbing Notes: Handwash sink, stainless steel
Consider trench drain with auto flushing system and animal drinking water system
Consider compressed air and vacuum outlets close to ceiling



ELECTRICAL:

Ambient Illum (lx) 270 - 800 variable

Electrical Notes: Provide waterproof GFI outlets and switches at 1500 mm AFF
Threaded conduit and boxes, recessed in walls and ceiling.
Seal conduits
Time of day lighting controls
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment.

COMMUNICATION:

Room should be monitored for temperature, humidity, air changes, smoke, automatic watering system pressure and flow, condition of filters at main banks and, optimally, access.

LAN

Voice Communication Fire Alarm System

SPECIAL REQUIREMENTS:

Strobe emergency warning light

Hose bib



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	Yes (closeable)

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned
Bumper guards on walls and doors
Jamb guards around doors

MECHANICAL:

Room Pressure	Negative
Temperature °C	Variable, 16 to 29
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Low exhaust runs in walls, with mount for filter
Rough filter for hair and dander
Individual room temperature and humidity control
HVAC connections required for animal racks

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Handwash sink, stainless steel
Animal compressed air and vacuum outlets close to ceiling



ELECTRICAL:

Ambient Illum (lx) 270 variable

Electrical Notes: Provide waterproof GFI outlets and switches at 1500 mm AFF
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Time of day lighting controls
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Room should be monitored for temperature, humidity, air changes, smoke, automatic watering system pressure and flow, condition of filters at main banks and, optimally, access.

LAN

Voice Communication Fire Alarm System

SPECIAL REQUIREMENTS:

Strobe emergency warning light

Hose bib



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	No

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned.

MECHANICAL:

Room Pressure	Negative
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control.

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Provide one set of laboratory gas services including laboratory air, laboratory vacuum, euthanasia gas, and gas on each laboratory bench.
Provide lab hot water, lab cold water, reverse osmosis water, and an eyewash at each main lab sink.



ELECTRICAL:

Ambient Illum (lx) 1100
Task Illum (lx) 1100

Electrical Notes: Provide waterproof GFI outlets and switches
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Provide a telephone near the door.
Room should be monitored for temperature, humidity, air changes, smoke, automatic
watering system pressure and flow condition of filters at main banks and, optimally,
access.
LAN
Voice Communication Fire Alarm System

SPECIAL REQUIREMENTS:

Downdraft sinks
Umbilical
Fume hood and/or Biosafety cabinet
Wall cabinets
Refrigerator
Freezer
Eyewash
Exam light



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	No

Architectural Notes: Provide sound attenuation in partitions
All finishes must be moisture resistant
Slope floor to floor drain at a minimum of 3 mm per 300 mm
All finishes must be resistant to scrubbing with detergents and easily cleaned.

MECHANICAL:

Room Pressure	23 L/s/Module
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Necropsy table exhausted
Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	Possibly for autoclave (with large animal or biohazard areas)
Condensate	No

Plumbing Notes: Provide one set of laboratory gas services including laboratory air, laboratory vacuum, euthanasia gas, and gas on each laboratory bench
Provide lab hot water, lab cold water, reverse osmosis water, and an eyewash at each main lab sink



ELECTRICAL:

Ambient Illum (lx) 1100
Task Illum (lx) 1100

Electrical Notes: Provide waterproof GFI outlets and switches
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
Room should be monitored for temperature, humidity, air changes, smoke, automatic
watering system pressure and flow condition of filters at main banks and, optimally,
access.

SPECIAL REQUIREMENTS:

Necropsy table, Downdraft
Eyewash
Exam light
SS counter and sink
Wall cabinets
Refrigerator/Freezer (explosion proof)



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	Yes

Architectural Notes: All finishes must be moisture resistant
Power operated automatic doors
All finishes must be resistant to scrubbing with detergents and easily cleaned

MECHANICAL:

Room Pressure	23 L/s/Module
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Provide one set of laboratory gas services including laboratory air, laboratory vacuum, euthanasia gas, and gas on each laboratory bench
Provide lab hot water, lab cold water, reverse osmosis water, and an eyewash at each main lab sink



ELECTRICAL:

Ambient Illum (lx) 1100
Task Illum (lx) 1100

Electrical Notes: Provide waterproof GFI outlets and switches
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
Room should be monitored for temperature, humidity, air changes, smoke, automatic
watering system pressure and flow condition of filters at main banks and, optimally,
access.

SPECIAL REQUIREMENTS:

Exam lights (ceiling mounted)
Procedure able
Vacuum at table
SS counter and sink
Wall cabinets
Clock



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1200 mm
Vision Panel in Door	Special monitoring equipment

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned

MECHANICAL:

Room Pressure	20% Positive
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature and humidity control
Low exhaust runs in walls, with mount for filter
Rough filter for hair and dander

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Provide surgical vacuum, oxygen, medical air, and anesthesia scavenger
Medical gas dispenser



ELECTRICAL:

Ambient Illum (lx) 1100 - 2200

Electrical Notes: Provide outlets at 1500 mm AFF
Isolation Panel on emergency power, type XHHW wire insulation,
4mm² ground wire
Provide explosion proof lights, receptacles, switches, etc. only if
explosive anesthetizing gases are used
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
Room should be monitored for temperature, humidity, air changes, smoke, automatic
watering system pressure and flow condition of filters at main banks and, optimally,
access.
Intercom

SPECIAL REQUIREMENTS:

Surgical light (2)
Digital clocks (2) - real time and elapsed time
X-ray film illuminator
White board
Operating table
Instrument table



ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	Yes

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned
Power operated automatic doors

MECHANICAL:

Room Pressure	Negative
Temperature °C	Variable, 16 to 29
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	No
Condensate	No

Plumbing Notes: Provide surgical vacuum, oxygen, and medical air
Provide animal watering



ELECTRICAL:

Ambient Illum (lx) 270 - 800 variable
Task Illum (lx) Exam 1100

Electrical Notes: Provide waterproof GFI outlets
Provide waterproof timer or computer monitored switching, switches mounted at 1500 mm AFF
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum select receptacles caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
Room should be monitored for temperature, humidity, air changes, smoke, automatic watering system pressure and flow, condition of filters at main banks and, optimally, access.
Intercom

SPECIAL REQUIREMENTS:

SS counter and sink
Wall cabinets



Cage Wash (Clean, Dirty, Equipment Area) V.8

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	Yes

Architectural Notes: All finishes must be moisture resistant (clean)
All finishes must be waterproof (dirty area)
All finishes must be resistant to scrubbing with detergents and easily cleaned

MECHANICAL:

Room Pressure	Negative
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Supplemental exhaust required for stainless steel canopy hood for rack washer and autoclave
Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	Yes
Condensate	No

Plumbing Notes: Stainless steel sinks
Trench drain with slurry removal system



ELECTRICAL:

Ambient Illum (1x) 800

Electrical Notes: Provide GFI outlets at 1500 mm AFF
Provide enclosed and gasketed lighting fixtures with wet location
U.L. label

COMMUNICATION:

Provide a telephone near the door, clean side and dirty side

SPECIAL REQUIREMENTS:

Cage and Rack washers
Bottle filler (i.e. to fill bottles)
Tunnel washer
Canopy hood (clean side)
Bottle washer
Bedding dispenser (clean)
Emergency eyewash and shower (clean and dirty areas)
Scullery sink (dirty)
Autoclave (clean)
Slurry equipment (dirty)



ARCHITECTURAL:

Finishes - Walls	GW
Base	IV
Floor	SV
Ceiling	ACT-2
Ceiling Height	2400 mm
Door Width	900 mm
Vision Panel in Door	No

Architectural Notes: None

MECHANICAL:

Room Pressure	Positive
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	No
Return Air	Yes
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Handwash sink, stainless steel



ELECTRICAL:

Ambient Illum (lx) 750
Task Illum (lx) 1100

Electrical Notes: None

COMMUNICATION:

Telephone(s)
LAN

SPECIAL REQUIREMENTS:

Pharmacy casework
Wall-mounted cabinets
Electronic access
Secure storage (safe or locked cabinets for drug storage)
Window for dispensing orders



Scrub and Gown

V.10

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2400 mm
Door Width	900 mm
Vision Panel in Door	Yes

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned
Power-operated automatic doors

MECHANICAL:

Room Pressure	Positive
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	No
Return Air	Yes
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Scrub sinks



ELECTRICAL:

Ambient Illum (lx) 500
Task Illum (lx) 800

Electrical Notes: 120V for auto faucet
Power for hand dryer

COMMUNICATION:

Telephone

Intercom

Room should be monitored for temperature, humidity, air changes, smoke, automatic watering system pressure and flow condition of filters at main banks and, optimally, access.

SPECIAL REQUIREMENTS:

Automatic sink

Scrub brush dispenser

Hand dryer



Surgical Supply and Work Room

V.11

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2400 mm
Door Width	1050 mm
Vision Panel in Door	Yes

Architectural Notes: All surfaces must be moisture resistant.

MECHANICAL:

Room Pressure	Positive
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	No
Return Air	Yes
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	Yes
Condensate	No

Plumbing Notes: Handwash sink, stainless steel
Autoclave



ELECTRICAL:

Ambient Illum (lx) 500
Task Illum (lx) 800 - 1100

Electrical Notes: Power for autoclave, ultrasonic cleaner

COMMUNICATION:

Intercom to Surgery
Telephone

SPECIAL REQUIREMENTS:

Autoclave and cart
Stainless steel cantilevered counter, 2 sinks
Floor-mounted cabinets
Ultrasonic cleaner
Wall-mounted cabinets



Radiographic Suite (X-ray Room, Control Booth, Darkroom) V.12

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2850 mm
Door Width	1050 mm
Vision Panel in Door	No

Architectural Notes: Shielding of walls, door, floors in accordance with the Division of Safety

MECHANICAL:

Room Pressure	Positive
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	No
Return Air	Yes
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	Yes
Condensate	No

Plumbing Notes: Handwash sink



ELECTRICAL:

Ambient Illum (lx) 50 - 500 variable

Electrical Notes: Power for film processor, X-ray, film illuminators, safe light
Safe light switch at 1200 mm AFF, safe light, filter specified by user
White light switch at 1500 mm AFF

COMMUNICATION:

SPECIAL REQUIREMENTS:

Light proof door
Film processor
Cantilevered counter
Safe light
X-ray machine and table
Film illuminators (2)
Wall-mounted cabinets



Treatment Room and Exam Room

V.13

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2400 mm
Door Width	1050 mm
Vision Panel in Door	Yes (closeable)

Architectural Notes: None

MECHANICAL:

Room Pressure	Negative
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	Yes
Chilled Water	No
Waste/Vent	Yes
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Provide one set of laboratory gas services including laboratory air, laboratory vacuum, euthanasia gas, and gas on each laboratory bench
Provide lab hot water, lab cold water, reverse osmosis water, and an eyewash at each main lab sink



ELECTRICAL:

Ambient Illum (lx) 1100
Task Illum (lx) 1100 - 1600

Electrical Notes: Provide waterproof GFI outlets and switches
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
LAN

SPECIAL REQUIREMENTS:

Exam lights (ceiling mounted)
Exam table
Refrigerator
Cantilevered SS bench top with sink
Wall-mounted cabinets



Quarantine Room

V.14

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating or high density, water resistant GW with epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2400 mm
Door Width	1050 mm
Vision Panel in Door	Yes (closeable)

Architectural Notes: None

MECHANICAL:

Room Pressure	Negative
Temperature °C	Variable, 16 to 29
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: Individual room temperature and humidity control
Low exhaust run in walls, with mount for filter, rough filter for hair and dander
Isolation cubicles exhausted

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	No
Condensate	No

Plumbing Notes: Stainless steel handwash lavatory



ELECTRICAL:

Ambient Illum (lx) 270 - 800 variable
Task Illum (lx) 500

Electrical Notes: Wire emergency strobe lights
Provide waterproof GFI outlets and switches at 1500 mm AFF
Threaded conduit and boxes, recessed in walls and ceiling
Seal conduits
Emergency power for ventilation, lighting, minimum 1 receptacle
circuit caulk coverplates, surface mounted equipment

COMMUNICATION:

Telephone
LAN

SPECIAL REQUIREMENTS:

Swing doors or vertical sliding at cubicle
Strobe emergency lights
Hose bib



ARCHITECTURAL:

Finishes - Walls	Prefab Aluminum Panels
Base	None
Floor	Prefab Aluminum Panels
Ceiling	Prefab Aluminum Panels
Ceiling Height	2100 mm ceiling inside box
Door Width	900 mm Prefab Aluminum
Vision Panel in Door	Yes

Architectural Notes: Provide a minimum of 25 mm clear between the environmental room wall and the surrounding partition.

MECHANICAL:

Room Pressure	Equal
Temperature °C	- 4, +/- 1
Relative Hum (%)	N/A
Exhaust Air	No
Return Air	No
Filtration (%)	N/A

Mechanical Notes: Individual room temperature control

PLUMBING:

Cold Water	No
Hot Water	No
Pure Water	Yes
Chilled Water	No
Waste/Vent	No
Floor Drain	No
Steam	No
Condensate	No

Plumbing Notes: Pipe Condensation Drain to Floor Drain



ELECTRICAL:

Ambient Illum (lx) 500

Electrical Notes: Lighting circuit separate from refrigeration equipment
Provide seal-off conduit fittings between cold and warm rooms
Environmental room monitor cabled to central location
Provide fluorescent ballasts suitable for operation in room ambient temperature
Provide gasketed lighting fixtures

COMMUNICATION:

SPECIAL REQUIREMENTS:

Prefab field assembly or slip assembled
Stainless steel wire shelving



Locker Room

V.16

ARCHITECTURAL:

Finishes - Walls	CMU with block filler and epoxy coating
Base	IR
Floor	RE
Ceiling	GW with epoxy coating
Ceiling Height	2400 mm
Door Width	900 mm
Vision Panel in Door	No

Architectural Notes: All finishes must be moisture resistant
All finishes must be resistant to scrubbing with detergents and easily cleaned and able to withstand high pressure water

MECHANICAL:

Room Pressure	Negative
Temperature °C	23
Relative Hum (%)	30-70
Exhaust Air	Yes
Return Air	No
Filtration (%)	30,90

Mechanical Notes: None

PLUMBING:

Cold Water	Yes
Hot Water	Yes
Treated Water	No
Chilled Water	No
Waste/Vent	Yes
Floor Drain	Yes
Steam	No
Condensate	No

Plumbing Notes: Janitors closet with mop sink
Showers
Toilets
Lavatories



ELECTRICAL:

Ambient Illum (lx) 400
Task Illum (lx) None

Electrical Notes: GFI receptacles
Receptacles near mirrors
Lighting fixtures shall be enclosed and gasketed with damp location
U.L. labels

COMMUNICATION:

Telephone

SPECIAL REQUIREMENTS:

Lockers
Benches

