

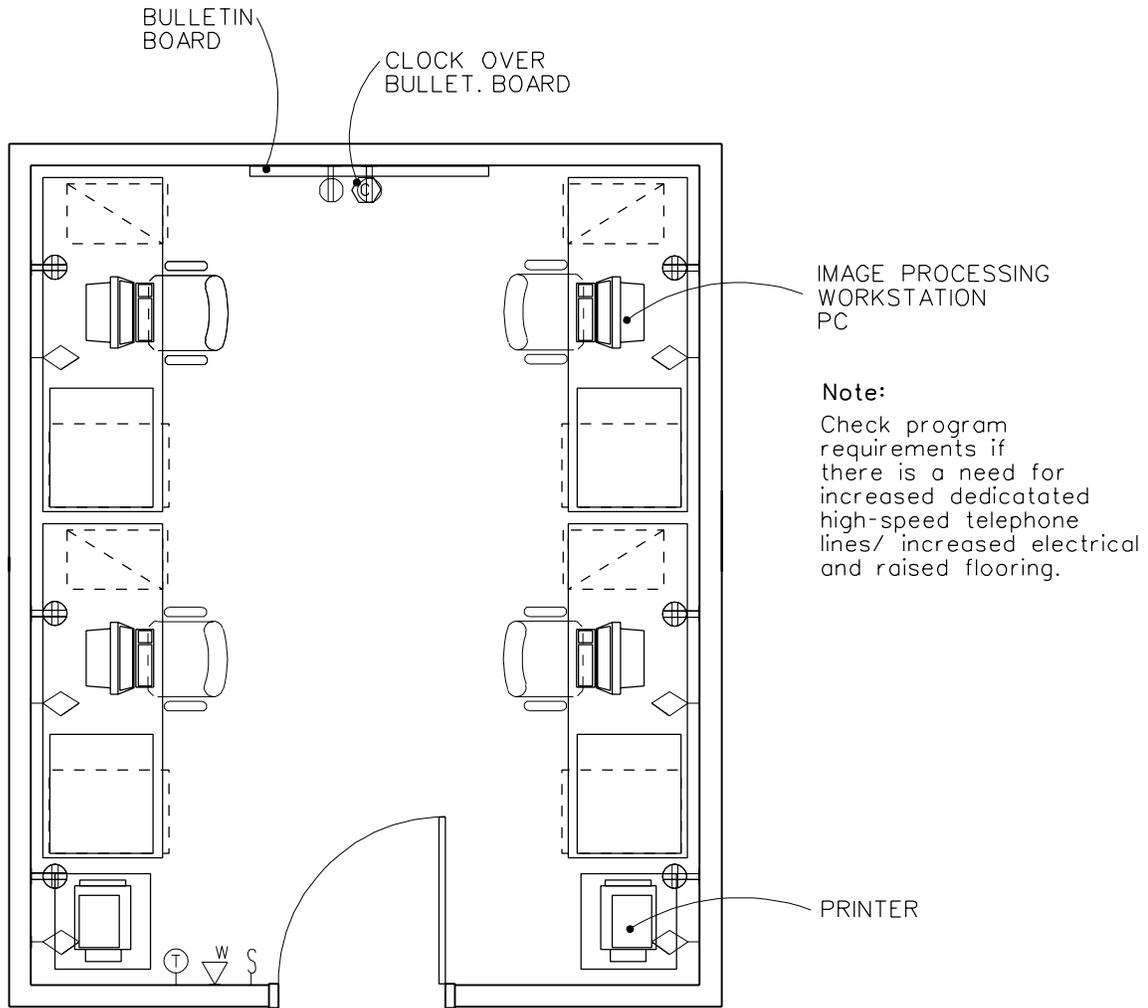
## Section 5

# Design Guide Plates and Data Sheets: Technical Support Areas

Guide Plate Series	Plate Number
Computer-Image and Data Processing Area	
Equipment & Utility Plan.....	5 - 1
Reflected Ceiling Plan.....	5 - 1
Design Standards .....	5 - 1
Equipment Guide List.....	5 - 1
Non-Imaging Procedure Room	
Equipment & Utility Plan.....	5 - 2
Reflected Ceiling Plan.....	5 - 2
Design Standards .....	5 - 2
Equipment Guide List.....	5 - 2
Non-Imaging Procedure Room (Alternate Exercise Room)	
Equipment & Utility Plan.....	5 - 3
Reflected Ceiling Plan.....	5 - 3
Design Standards .....	5 - 3
Equipment Guide List.....	5 - 3
Radioimmunoassay Unit	
Equipment & Utility Plan.....	5 - 4
Reflected Ceiling Plan.....	5 - 4
Design Standards .....	5 - 4
Equipment Guide List.....	5 - 4
Employee Biosafety Rooms	
Equipment & Utility Plan.....	5 - 5
Reflected Ceiling Plan.....	5 - 5
Design Standards .....	5 - 5
Equipment Guide List.....	5 - 5

# Computer Image and Data Processing Equipment & Utility Plan

FINAL DRAFT 9-6-95  
Revised 9/96

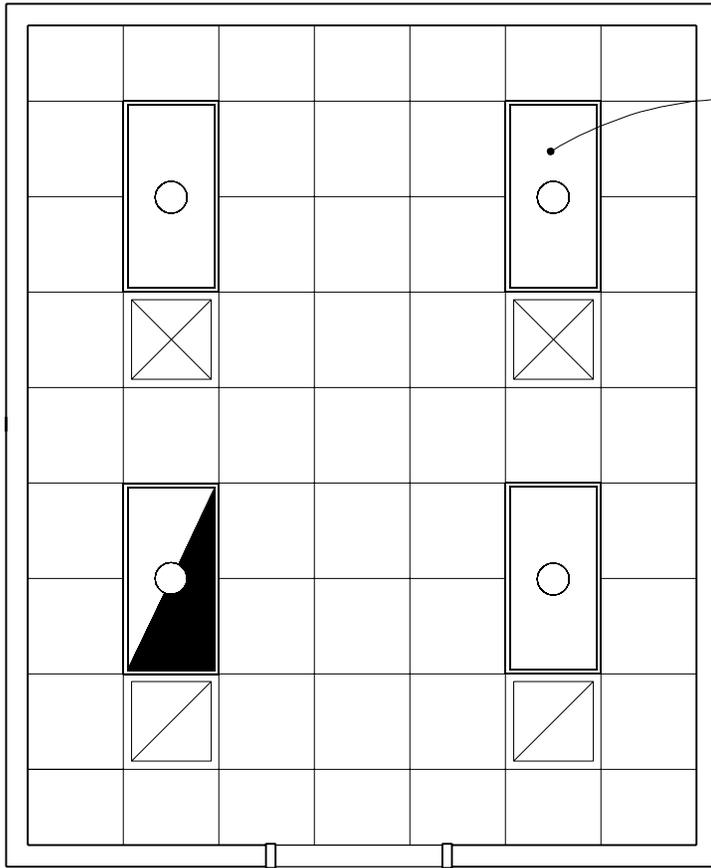


**22.3 NSM**  
**240 NSF**



# Computer Image and Data Processing Reflected Ceiling Plan

FINAL DRAFT 9-6-95  
Revised 9/96



SEE: DESIGN STDS.  
LIGHTING-NOTE 1 (TYP.)



# Design Standards

## Computer Image and Data Processing Area

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2700 mm (9'-0")
Wall Finish:	Paint
Wainscot:	---
Base:	Resilient Base
Floor Finish:	Vinyl composition tile
Slab Depr.:	---
Notes:	1050 mm (3'-6") wide door with tempered-glass view window

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	30FC
Notes:	1. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixture, 18 parabolic louver, W/3-F32T8 lamps, 4100 deg. K, CRI=85 (minimum).

### POWER

General:	2200 W (receptacles)
Emergency:	---
Notes:	---

### COMMUNICATIONS

ADP:	Yes
Radio:	---
Telephone:	Yes
Intercom:	---
Public Addr:	---
Notes:	---

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling :	25 ° C (78 ° F)
Dry Bulb Temp Heating :	22 ° C (72 ° F)
Minimum % Outside Air:	15%
100% Exhaust Air:	---
Noise Criteria:	NC-40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	2
Room Pressure:	0
AC Load-Equipment:	160 w/m <sup>2</sup> (15 w/sf)
AC Load-Lighting:	20 w/m <sup>2</sup> (1.8 w/sf)
Number of People:	6
Special Exhaust:	---
Notes:	1. Verify equipment AC load as per actual equipment used.

### PLUMBING AND MEDICAL GAS

Cold Water:	---
Hot Water:	---
Laboratory Air:	---
Laboratory Vacuum:	---
Sanitary Drain:	---
Reagent Grade Water:	---
Medical Air:	---
Medical Vacuum:	---
Oxygen:	--
Notes:	---

# Equipment Guide List

## Computer Image and Data Processing Area

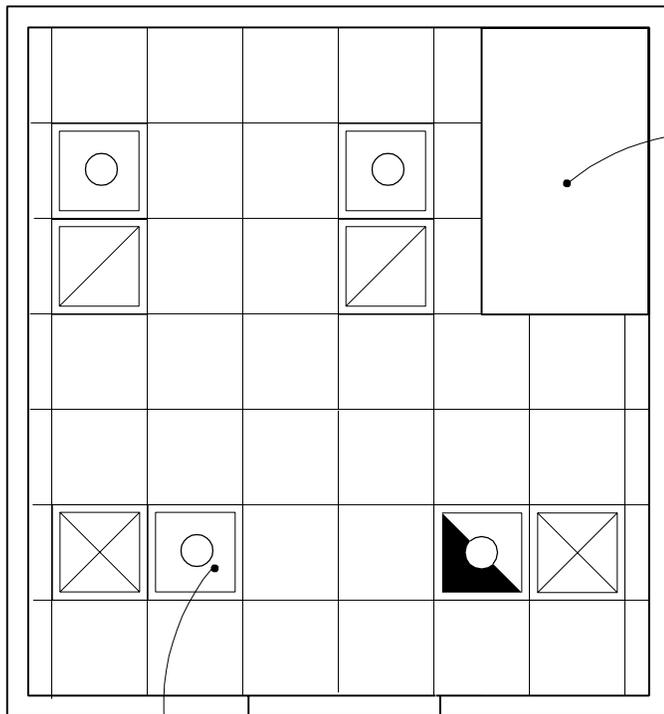
SYMBOL	QTY	AI	DESCRIPTION
			<i>NOTE: RECEPTACLE, ELECTRICAL, QUADRAPLEX, FOR COMPUTER EQUIPMENT ITEMS (PG-18-1, MCS 16140)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140;)</i>
1	VV		BULLETIN BOARD, 1220 mm X 910 mm (48" X 36")
AR	VV		CHAIR, ROTARY, WITH ARMS
1	VV		CLOCK, BATTERY OPERATED
1	VV		PRINTER, COMPUTER SYSTEM, LASER
1	VV		PRINTER, COMPUTER SYSTEM, COLOR
2	VV		STAND, COMPUTER PRINTER, APPROX., 610 mm X 610 mm X 660 mm (24" X 24" X 26")
4	VV		WORKSTATION, IMAGE PROCESSING, NUC. MEDICINE



# Non-Imaging Procedure Room Reflected Ceiling Plan

FINAL DRAFT 9-6-95

Revised 9/96



FUME HOOD:  
SEE MANUFACTURER  
SPECIFICATIONS FOR  
CEILING TREATMENT.

SEE: DESIGN STDS.  
LIGHTING-NOTE 1 (TYP.)



# Design Standards

## Non-Imaging Procedure Room

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2890 mm (9'-6")
Wall Finish:	Paint
Wainscot:	---
Base:	Integral welded seam sheet flooring base
Floor Finish:	Welded seam sheet flooring
Slab Depr.:	1220 mm (4')
Notes:	1150 mm (3'-10") wide door

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	---
Notes:	1. 600 mm x 600 mm (2' x 2') recessed fluorescent light fixtures, acrylic prismatic lens, W/2- R32T8 lamps, 4100 deg K, CRI-85 (min).

### POWER

General:	---
Emergency:	---
Notes:	---

### COMMUNICATIONS

ADP:	---
Radio:	---
Telephone:	---
Intercom:	--
Public Addr:	---
Notes:	---

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling :	25 ° C(78 ° F)
Dry Bulb Temp Heating :	22 ° C(72 ° F)
Minimum % Outside Air:	---
100% Exhaust Air:	Yes
Noise Criteria:	NC 40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	12
Room Pressure:	Negative
AC Load-Equipment:	195 w/m <sup>2</sup> (18 w/sf)
AC load-Lighting:	20 w/m <sup>2</sup> (1.75w/sf)
Number of People:	6
Special Exhaust:	Yes

- Notes:
1. Check minimum air changes per hour with minimum hood exhaust requirements.
  2. Design H3 hood exhaust requirements for constant velocity control and not constant CFM.
  3. Verify equipment AC as per actual equipment furnished.

### PLUMBING AND MEDICAL GAS

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	Yes
Laboratory Vacuum:	Yes
Sanitary Drain:	Yes
Reagent Grade Water:	Check with Medical Center
Medical Air:	Yes
Medical Vacuum:	Yes
Oxygen:	Yes

- Notes:
1. Sanitary waste and vent needs to be chemical resistant type.
  2. Natural gas is required for fume hood.

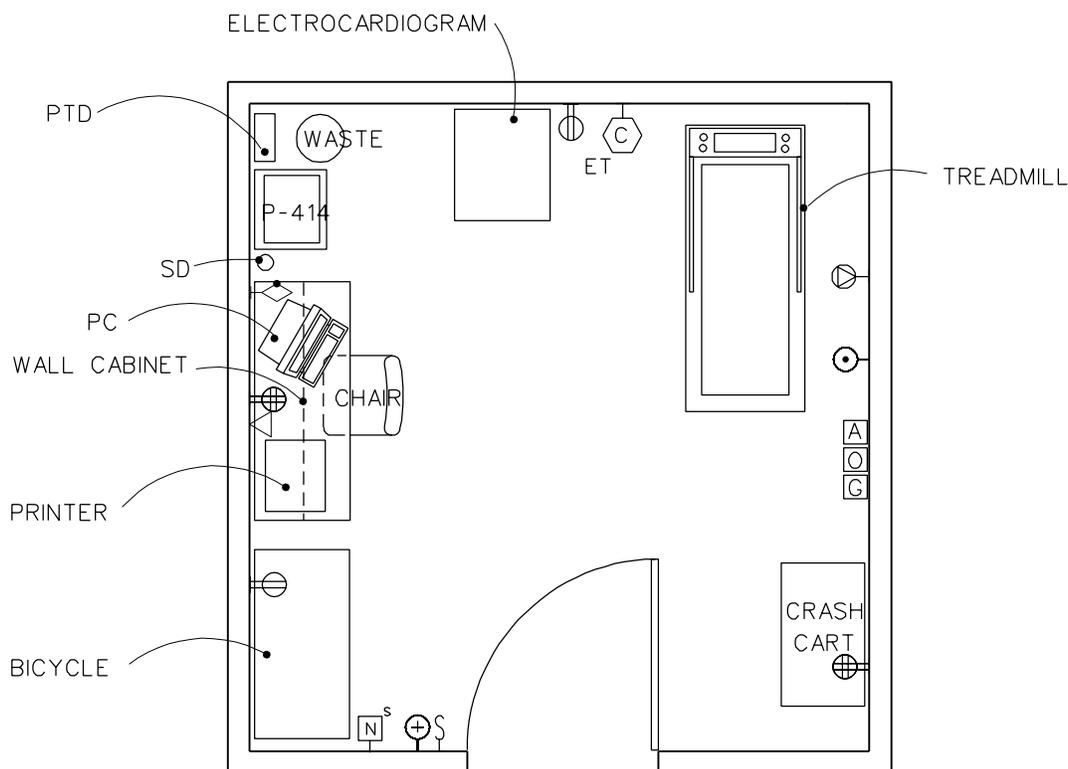
# Equipment Guide List

## Non-Imaging Procedure Room

SYMBOL	QTY	AI	DESCRIPTION
			<i>NOTE: INTERCOM, STATION, HANDS FREE, WALL MOUNTED (PG-18-1, MCS 16760)</i>
			<i>NOTE: OUTLETS, AIR, GAS AND VACUUM, GROUPED, 1220 mm (48") ON CENTER ABOVE COUNTER (PG-18-1 &amp; PG-18-6, MCS 11602)</i>
			<i>NOTE: OUTLETS, EMERGENCY ALARM BUTTON, (PG-18-1, MCS 16761)</i>
			<i>NOTE: OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 15 AMP, STRIP MOLD WITH OUTLETS, WIRED ALTERNATELY ON SEPARATE CIRCUITS ON 610 mm (24") CENTERS ABOVE COUNTER (PG-18-1, MCS 161403)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, (PG-18-1, MCS 16140;)</i>
			<i>NOTE: COUNTER TOPS OF MODULAR CASEWORK ARE TO BE IMPENETRABLE, SEAMLESS SURFACES WITH RIMS AND DRIP GROOVES AT EDGES. (PG-18-1, MCS 11620 PG-18-5)</i>
	AR	VV	CENTRIFUGE, REFRIGERATED, 120 VOLT, 20 AMP, 910mm X 1220mm (36" X 48")
	1	VV	CLOCK, BATTERY OPERATED
	AR	CF	COUNTER TOP, CORROSION RESISTING STEEL, 32 mm (1-1/4") THICK
	1	CC	DISPENSER, SOAP, WALL-MOUNTED WITH FOOT CONTROL (PG-18-1, MCS 10800)
	1	VV	DISPENSER, BI-FOLD PAPER TOWEL, SURFACE-MOUNTED
	1	VV	DISPENSER, GLOVES, WALL-MOUNTED
	AR	VV	REFRIGERATOR, 4 TO 10 DEGREES CELCIUS, 71 CUBIC M. (25 CUBIC FT.), 120 VOLT, 20 AMP, REACH-IN TYPE, DOUBLE DOOR, WITH SHELVES
	1	VV	FREEZER, 4 TO 10 DEGREES CELCIUS, CAPACITY AS REQUIRED, 120 VOLT, 20 AMP, REACH-IN TYPE
H3-72	1	CC	FUME HOOD, RADIOISOTOPE, STAINLESS STEEL INTERIOR WITH CABINET BASE, 2 EACH, WA-- AIR, GAS, VACUUM, ELECTRIC DUPLEX OUTLETS AND CUP SINKS, BASE TO SUPPORT SUPERSTRUCTURE PLUS 9.58 KPA (200 POUNDS PER SQUARE FOOT), 1830mm X 910mm X 2130mm (72" X 36" X 84") (PG-18-1 & PG-18-6, MCS 11610) SEE HVAC DESIGN MANUAL FOR HOSPITAL PROJECTS.
	AR	CF	MODULAR LABORATORY CASEWORK
	1	VV	MONITOR, RADIATION, MOBILE
	1	VV	RECEPTACLE, WASTE, BIOHAZARD TYPE, 762mm (30") DIA., ON WHEELS WITH FOOT-OPERATED LID
P-512	1	CC	SINK, CORROSION-RESISTING STEEL, SINGLE COMPARTMENT WITH DRAINBOARD, WALL-HUNG 1, MCS 15450)

# Non-Imaging Procedure Room (Alternate Exercise Room) Equipment & Utility Plan

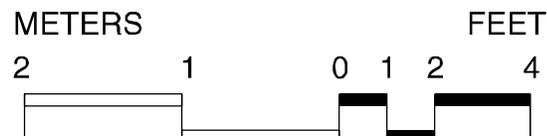
FINAL DRAFT 9-6-95  
Revised 9/96



## NOTES:

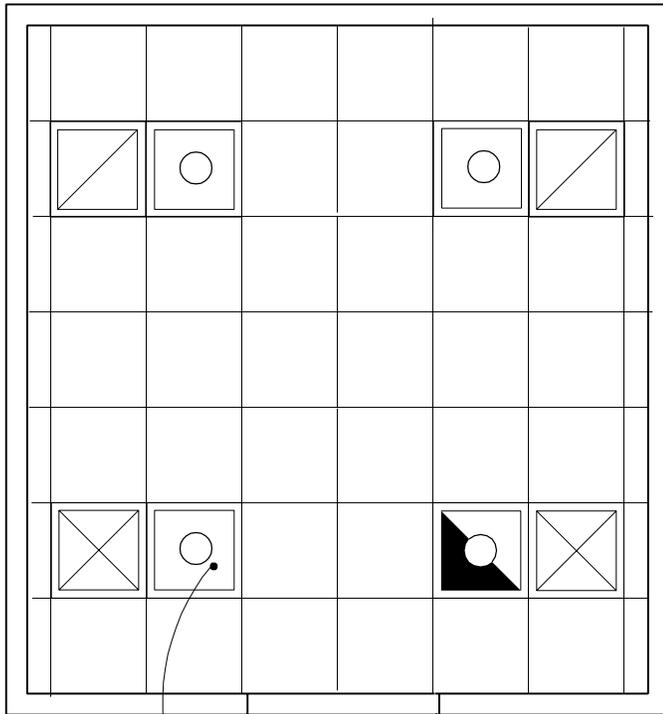
1. LOCATION OF EMERGENCY ALARM BELL TO BE DETERMINED BY USER.
2. TOILET & SHOWER ROOM ADJACENT.

**116.7 NSM**  
**180 NSF**



# Non-Imaging Procedure Room (Alternate Exercise Room) Reflected Ceiling Plan

FINAL DRAFT 9-6-95  
Revised 9/96



SEE: DESIGN STDS.  
LIGHTING-NOTE 1 (TYP.)



# Design Standards

## Non-Imaging Procedure Room (Alternate Exercise Room)

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2890 mm (9'-6")
Wall Finish:	Paint
Wainscot:	---
Base:	Integral welded seam sheet flooring base
Floor Finish:	Welded seam sheet flooring
Slab Depr.:	1220 mm (4')
Notes:	1150 mm (3'-10") wide door

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	---
Notes:	1. 600 mm x 600 mm (2' x 2') recessed fluorescent light fixtures, acrylic prismatic lens, W/2- R32T8 lamps, 4100 deg K, CRI-85 (min).

### POWER

General:	---
Emergency:	---
Notes:	---

### COMMUNICATIONS

ADP:	---
Radio:	---
Telephone:	---
Intercom:	---
Public Addr:	---
Notes:	---

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling :	25 ° C(78 ° F)
Dry Bulb Temp Heating :	22 ° C(72 ° F)
Minimum % Outside Air:	---
100% Exhaust Air:	Yes
Noise Criteria:	NC 40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	12
Room Pressure:	Negative
AC Load-Equipment:	195 w/m <sup>2</sup> (18 w/sf)
AC load-Lighting:	20 w/m <sup>2</sup> (1.75w/sf)
Number of People:	6
Special Exhaust:	Yes

Notes: 1. Verify equipment AC as per  
actual equipment furnished.

### PLUMBING AND MEDICAL GAS

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	Yes
Laboratory Vacuum:	Yes
Sanitary Drain:	Yes
Reagent Grade Water:	Check with Medical Center
Medical Air:	Yes
Medical Vacuum:	Yes
Oxygen:	Yes

Notes: 1. Sanitary waste and vent  
needs to be chemical  
resistant type.  
2. Natural gas is required for  
fume hood.

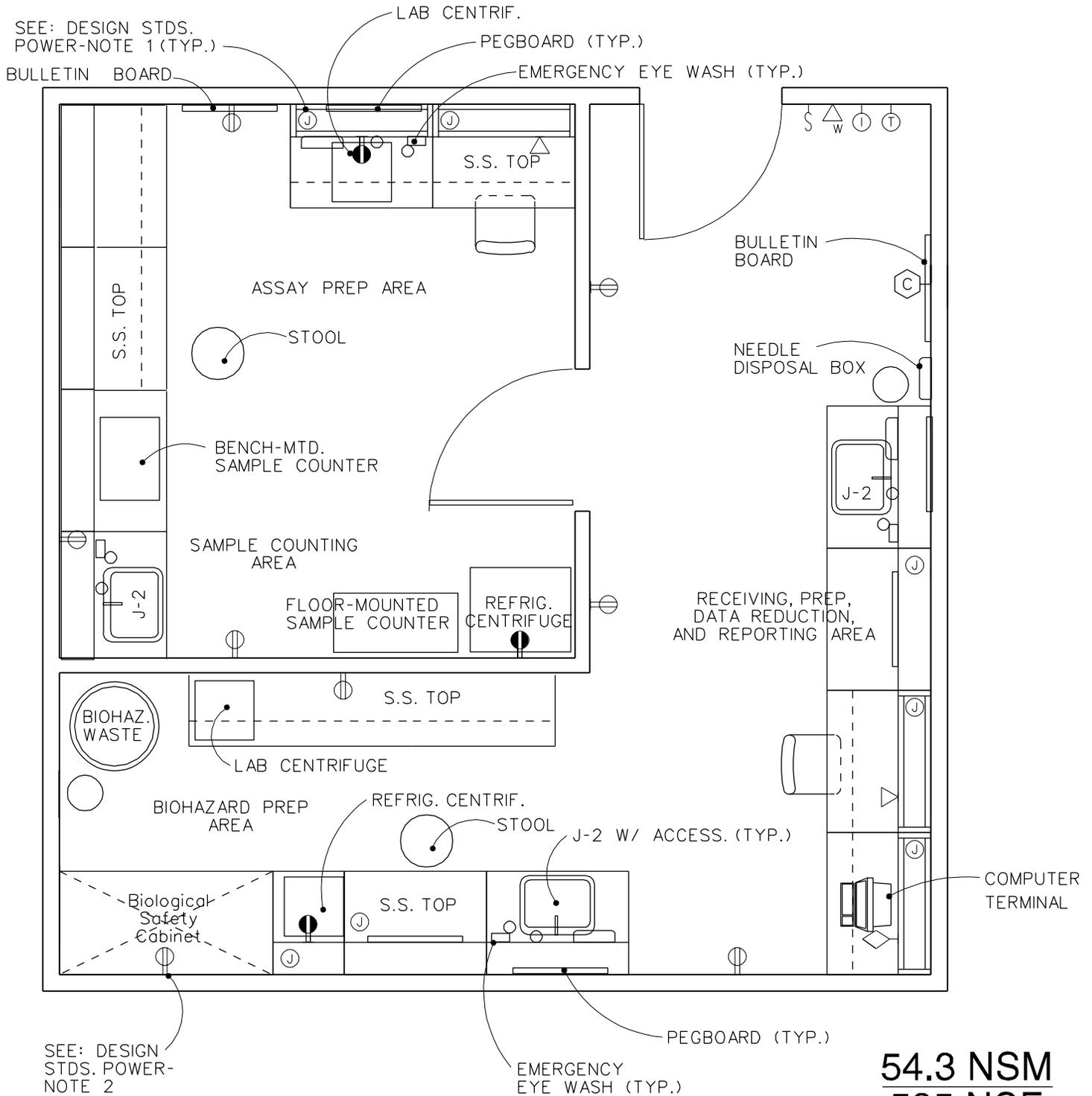
# Equipment Guide List

## Non-Imaging Procedure Room (Alternate Exercise Room)

SYMBOL	QTY	AI	DESCRIPTION
			<i>NOTE: INTERCOM, STATION, (PG-18-1, MCS 16760)</i>
			<i>NOTE: OUTLETS, AIR, GAS AND VACUUM, GROUPED, 1219 mm (48") ON CENTER ABOVE COUNTER (PG-18-1 &amp; PG-18-6, MCS 11602)</i>
			<i>NOTE: OUTLET, EMERGENCY ALARM BUTTON (PG-18-1, MCS 16761)</i>
			<i>NOTE: OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)</i>
			<i>NOTE: OUTLET, WALL, MEDICAL AIR (PG-18-1, MCS 15491, H-18-3, CS 310-1)</i>
			<i>NOTE: OUTLET, WALL, OXYGEN (PG-18-1, MCS 15491, H-18-3, CS 310-1)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 15 AMP, STRIP MOLD WITH OUTLETS, WIRED ALTERNATELY ON SEPARATE CIRCUITS ON 610 mm (24") CENTERS ABOVE COUNTER (PG-18-1, MCS 16140; H-18-3, CS 801-3)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, (PG-18-1, MCS 16140; H-18-3, CS 801-3)</i>
			<i>NOTE: RECEPTACLE, ELECTRICAL, FOR CRASH CART TO BE ON EMERGENCY POWER</i>
P-414	1	VV	CART, EMERGENCY, "CRASH CART" APPROX. 910mm X 530mm (36" X 21")
	1	VV	CHAIR, STRAIGHT
	1	CC	CLOCK, ELECTRIC TIME ELAPSED, RECESSED (PG-18-1, MCS 10360)
	1	VV	DESK 1520mm X 610mm (60" X 24")
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	VV	EXERCISER, BICYCLE
	1	CC	LAVATORY, STRAIGHT BACK (PG-18-1, MCS 15450)
	1	VV	MACHINE, TREADMILL WITH CONTROLS, 120 VOLT, 20 AMP, APPROX. 1830mm X 760mm (72" X 30")
	1	VV	MACHINE, TWELVE (12) LEADS "ECG"
	1	VV	PC AND PRINTER
	1	VV	RECEPTACLE, WASTE, 330mm (13") DIA.

# Radioimmunoassay Unit Equipment & Utility Plan

FINAL DRAFT 9-6-95  
Revised 9/96



**54.3 NSM**  
**585 NSF**

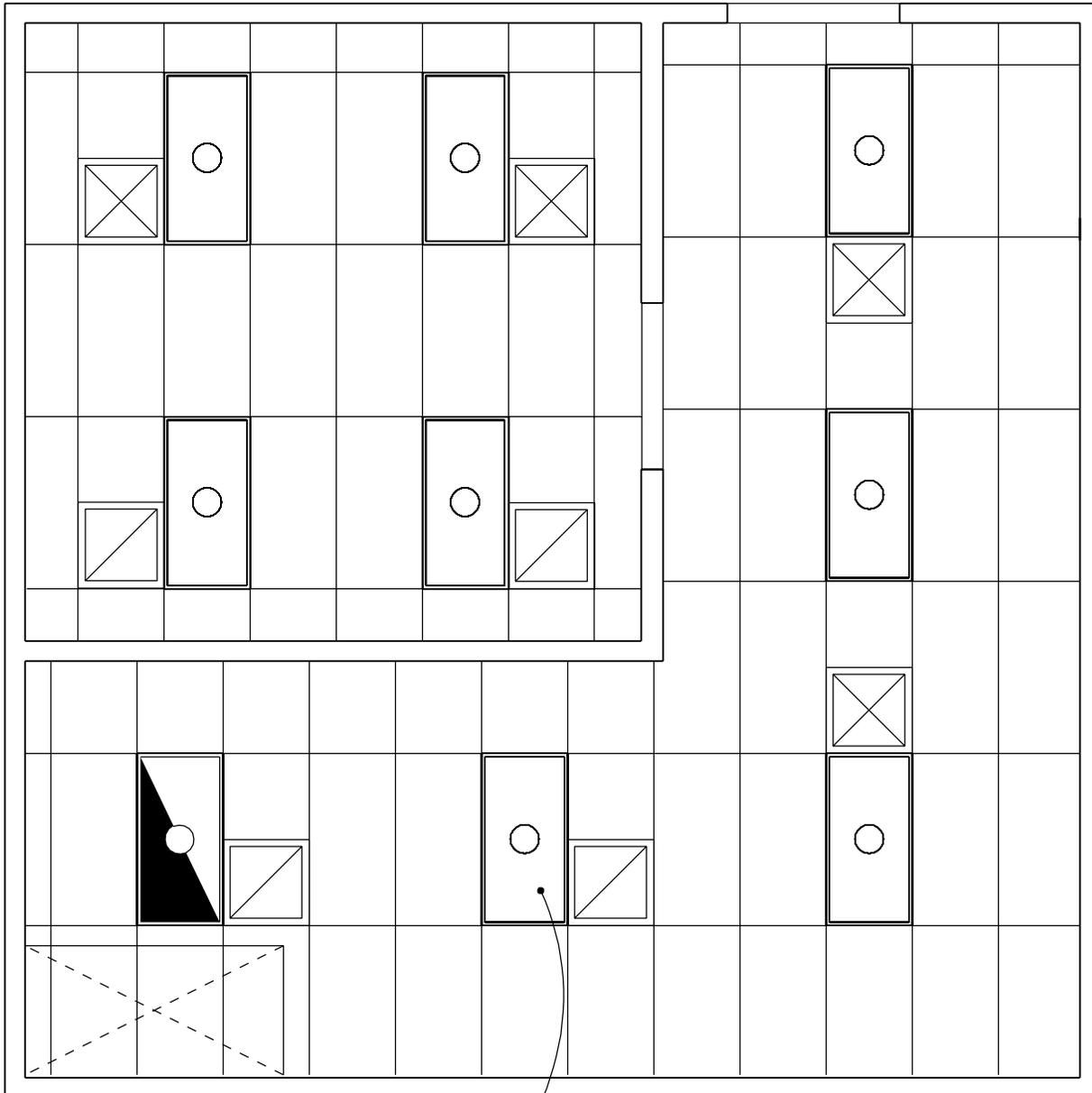
**NOTE:**

LARGE OR VERY LARGE SERVICES (IE CONSOLIDATED SERVICES IN A GEOGRAPHIC OR NETWORK AREA) MAY NEED TO CONSIDER MORE SPACE TO ACCOMODATE THE LARGER WORKLOAD.

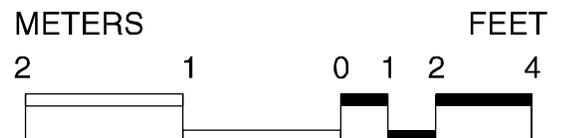


# Radioimmunoassay Unit Reflected Ceiling Plan

FINAL DRAFT 9-6-95  
Revised 9/96



SEE: DESIGN STDS.  
LIGHTING-NOTE 2 (TYP.)



# Design Standards

## Radioimmunoassay Unit

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2700 mm (9'-0")
Wall Finish:	Paint
Wainscot:	---
Base:	Integral welded seam sheet flooring base
Floor Finish:	Welded seam sheet flooring
Slab Depr.:	---
Notes:	1220 mm (4'-0") wide doors

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	50FC
Notes:	1. Lighting control by area; switch(ex) at room entrance.
	2. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixtures, acrylic prismatic lens, W/2--F32T8 lamps, 4100 deg. K, CRI-85 (minimum).

### POWER

General:	3000 W (receptacles on electrical strip mold on modular casework)
Emergency:	
Notes:	1. Junction box for 120V power/connection to electrical strip/mold on modular casework.
	2. Junction box for biological safety cabinet on emergency power.

### COMMUNICATIONS

ADP:	Yes
Radio:	---
Telephone:	Yes
Intercom:	Yes
Public Addr:	---
Notes:	1. Communications cabling routed via modular casework utility access lab module to outlets on casework.

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling:	25 ° C (78 ° F)
Dry Bulb Temp Heating:	22 ° C (72 ° F)
Minimum % Outside Air:	--
100% Exhaust Air:	Yes
Noise Criteria:	NC-40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	12
Room Pressure:	Negative
AC Load-Equipment:	195 w/sm (18 w/sf)
AC Load Lighting:	22.5 w/sm (2.1 w/sf)
Number of People:	12
Special Exhaust:	Provide safety cabinet exhaust

Notes 1. Verify equipment AC load as  
per actual equipment used.

### PLUMBING AND MEDICAL GAS

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	Yes
Laboratory Vacuum:	Yes
Sanitary Drain:	Yes
Reagent Grade Water:	Yes
Medical Air:	----
Medical Vacuum:	----
Oxygen:	----
Notes:	1. Waste and vent needs to be chemical resistant type.
	2. Natural gas is required for biohazard safety cabinet.

# Equipment Guide List

## Radioimmunoassay Unit

SYMBOL	QTY	AI	DESCRIPTION
--------	-----	----	-------------

*NOTE: INTERCOM, STATION, HANDS FREE, WALL MOUNTED (PG-18-1, MCS 16760)*

*NOTE: OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)*

*NOTE: OUTLET, SINK, REAGENT GRADE WATER (PG-18-1, MCS 11602)*

*NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, STRIP MOLD, ON 610 mm (24") CENTERS ABOVE COUNTER (PG-18-1, MCS 16140; H-18-3, CS 801-3)*

*NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, (PG-18-1, MCS 16140; H-18-3, CS 801-3)*

*NOTE: RECEPTACLE, ELECTRICAL, QUADRAPLEX, FOR COMPUTER EQUIPMENT ITEMS (PG-18-1, MCS 16140; H-18-3, CS 866-1)*

*NOTE: COUNTER TOPS OF MODULAR CASEWORK ARE TO BE IMPENETRABLE, SEAMLESS SURFACES WITH RIMS AND DRIP GROOVES AT EDGES. (PG-18-1, MCS 11620 PG-18-5)*

### RECEIVING, PREP, DATA REDUCTION & REPORTING AREA

	AR	VV	BULLETIN BOARD, 760 mm X 1070 mm (30" X 42")
	AR	VV	CHAIR, LABORATORY, SEMI-HYDRAULIC, ADJUSTABLE HEIGHT TO 790 mm (31")
	1	VV	CLOCK, BATTERY OPERATED
	1	VV	COMPUTER TERMINAL, WITH KEYBOARD
	1	VV	DISPENSER, GLOVES, WALL MOUNTED
	1	VV	DISPOSAL, NEEDLES, WALL MOUNTED
	AR	CF	MODULAR LABORATORY CASEWORK
VL54	1	CF	PEGBOARD, 53 PEGS, 810 mm X 760 mm (32" X 30") (PG-18-1 & PG-18-6, MCS11602)
J-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 460 mm X 380 mm X 200 mm ( 18" X 15" X 8") ( PG-18-1& PG-18-6, MCS 11602)
	1	VV	RECEPTACLE, WASTE, BIOHAZARD TYPE, 760 mm (30") DIA., ON WHEELS WITH FOOT OPERATED LID

### ASSAY PREPARATION

	AR	VV	BULLETIN BOARD, 760 mm X 1070 mm (30" X 42")
	AR	VV	CENTRIFUGE, LAB, BENCH MODEL, 120 VOLT, 20 AMP, APPROX., 610 mm X 610 mm (24" X 24")
	1	VV	CENTRIFUGE, REFRIGERATED, 120 VOLT, 20 AMP, 910 mm X 1220 mm (36" X 48")
	AR	VV	CHAIR, LABORATORY, SEMI-HYDRAULIC, ADJUSTABLE HEIGHT TO 790 mm (31")
	1	VV	DISPENSER, BI-FOLD PAPER TOWEL, SURFACE MOUNTED

# Equipment Guide List

## Radioimmunoassay Unit (cont'd)

SYMBOL	QTY	AI	DESCRIPTION
--------	-----	----	-------------

### ASSAY PREPARATION (CONT'D)

	1	VV	DISPENSER, GLOVES, WALL MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	VV	DISPOSAL, NEEDLES, WALL MOUNTED
VL84	1	CC	EMERGENCY EYE AND FACE WASH, RETRACTABLE, HAND HELD, COUNTER MOUNTED (PG-18-1, MCS 11602)
	AR	CF	MODULAR LABORATORY CASEWORK
VL54	1	CF	PEGBOARD, 53 PEGS, 810 mm X 760 mm (32" X 30") (PG-18-1 & PG-18-6, MCS11602)
J-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 460 mm X 380 mm X 200 mm ( 18" X 15" X 8") ( PG-18-1& PG-18-6, MCS 11602)

### BIOHAZARD PREPARATION

H12B2-72	1	CC	BIOLOGICAL SAFETY CABINET (LAMINAR FLOW), CLASS II, TYPE B2, 100% DIRECT EXHAUSTED AIR THROUGH THE WORK SPACE. 1830mm X 910mm X 2134mm (72" X 36" X 84"). SEE HVAC DESIGN MANUAL FOR HOSPITAL PROJECTS.
	AR	VV	CENTRIFUGE, LAB, BENCH MODEL, 120 VOLT, 20 AMP, APPROX., 610 mm X 610 mm (24" X 24")
	AR	VV	CHAIR, LABORATORY, SEMI-HYDRAULIC, ADJUSTABLE HEIGHT TO 790 mm (31")
	1	VV	DISPENSER, BI-FOLD PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, GLOVES, WALL MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	VV	DISPOSAL, NEEDLES, WALL MOUNTED
VL84	1	CC	EMERGENCY EYE AND FACE WASH, RETRACTABLE, HAND HELD, COUNTER MOUNTED (PG-18-1, MCS 11602)
	AR	CF	MODULAR LABORATORY CASEWORK
VL54	1	CF	PEGBOARD, 53 PEGS, 810 mm X 760 mm (32" X 30") (PG-18-1 & PG-18-6, MCS11602)
J-2	AR	CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 460 mm X 380 mm X 200 mm (18" X 15" X 8") (PG-18-1 & PG-18-6, MCS 11602)

# Equipment Guide List

## Radioimmunoassay Unit (cont'd)

SYMBOL	QTY	AI	DESCRIPTION
--------	-----	----	-------------

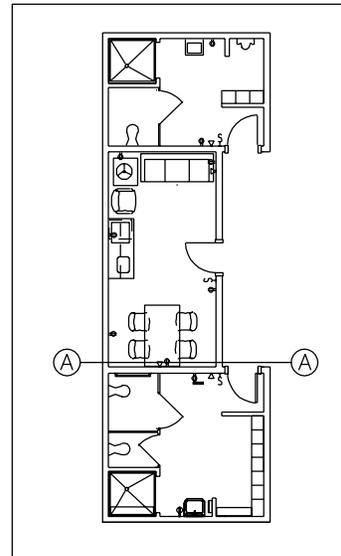
### SAMPLE COUNTING AREA

AR	VV	CHAIR, LABORATORY, SEMI-HYDRAULIC, ADJUSTABLE HEIGHT TO 790 mm (31")
1	VV	DISPENSER, BI-FOLD PAPER TOWEL, SURFACE MOUNTED
1	VV	DISPENSER, GLOVES, WALL MOUNTED
1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
AR	CF	MODULAR LABORATORY CASEWORK
1	VV	SAMPLE COUNTER, BENCH MODEL
1	VV	SAMPLE COUNTER, LARGE VOLUME, FLOOR MOUNTED
AR	VV	BULLETIN BOARD, 760 mm x 1070 mm (30"x42")

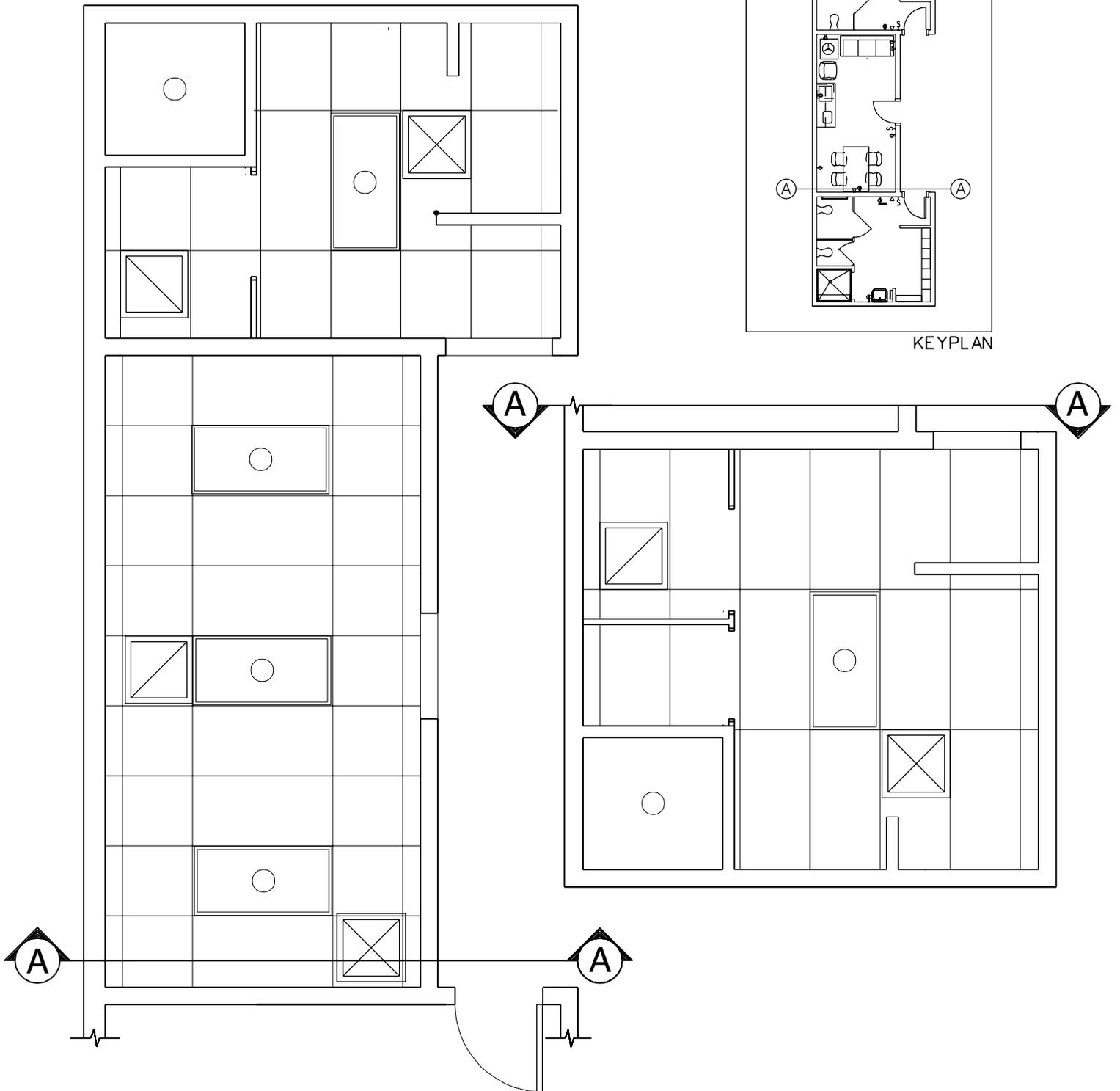


# Employee Biosafety Rooms Reflected Ceiling Plan

FINAL DRAFT 9-6-95  
Revised 9/96



KEYPLAN



# Design Standards

## Employee Biosafety Room - Lounge

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2740 mm (9'-0")
Wall Finish:	Vinyl wall covering
Wainscot:	---
Base:	Resilient base
Floor Finish:	Carpet
Slab Depr.:	---
Notes:	---

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	30FC
Notes:	1. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixtures, acrylic prismatic lens, W/2-F32T8 lamps, 4100 deg. k, CRI-85 (minimum)

### POWER

General:	100W (receptacles on electrical strip mold on modular casework)
Emergency:	---
Notes:	---

### COMMUNICATIONS

ADP:	---
Radio:	---
Telephone:	Yes
Intercom:	Yes
Public Addr:	Yes
Notes:	---

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling:	25 ° C (78 ° F)
Dry Bulb Temp Heating:	22 ° C (72 ° F)
Minimum % Outside Air:	---
100% Exhaust Air:	Yes
Noise Criteria:	NC-40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	6
Room Pressure:	Negative
AC Load-Equipment:	22w/m <sup>2</sup> (2 w/sf)
AC Load Lighting:	22.5 w/m <sup>2</sup> (2.1 w/sf)
Number of People:	12
Special Exhaust:	---
Notes:	---

### PLUMBING AND MEDICAL GAS

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	---
Laboratory Vacuum:	---
Sanitary Drain:	---
Reagent Grade Water:	---
Medical Air:	---
Medical Vacuum:	---
Oxygen:	---
Notes:	---

# Design Standards

## Employee Biosafety Room - Toilet and Lockers

### ARCHITECTURAL

Ceiling:	Acoustical ceiling tile
Ceiling Ht:	2740 mm (9'-0")
Wall Finish:	Ceramic tile
Wainscot:	---
Base:	Ceramic tile
Floor Finish:	Ceramic tile
Slab Depr.:	---
Notes:	Plaster ceiling in shower

### SPECIAL EQUIPMENT

---

### ELECTRICAL LIGHTING

General:	30FC
Notes:	1. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixtures, acrylic prismatic lens, W/2-F32T8 lamps, 4100 deg. k, CRI-85 (minimum).

### POWER

General:	100 W (receptacles on electrical strip mold on modular casework)
Emergency:	---
Notes:	---

### COMMUNICATIONS

ADP:	---
Radio:	---
Telephone:	Yes
Intercom:	---
Public Addr:	Yes
Notes:	---

### HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling:	25 ° C (78 ° F)
Dry Bulb Temp Heating:	22 ° C (72 ° F)
Minimum % Outside Air:	---
100% Exhaust Air:	Yes
Noise Criteria:	NC-40
Steam:	---
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	10
Room Pressure:	Negative
AC Load-Equipment:	11 w/m <sup>2</sup> (1 w/sf)
AC Load Lighting:	11 w/m <sup>2</sup> (1 w/sf)
Number of People:	6-8
Special Exhaust:	---
Notes:	---

### PLUMBING AND MEDICAL GAS

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	---
Laboratory Vacuum:	---
Sanitary Drain:	---
Reagent Grade Water:	---
Medical Air:	---
Medical Vacuum:	---
Oxygen:	---
Notes:	---

# Equipment Guide List Employee Biosafety Room

SYMBOL	QTY	AI	DESCRIPTION
--------	-----	----	-------------

*NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, (PG-18-1, MCS 16140; H-18-3)*

## LOUNGE

	AR	VV	CHAIR, LOUNGE
	AR	VV	CHAIR, STRAIGHT, WITH ARMS
	1	VV	CLOCK, BATTERY OPERATED
T-B	AR	CC	LOCKER, STEEL, SLOPING TOP, 310mm X 530mm X 1830mm (12" X 21" X 72") (PG-18-1, MCS 10500; PG-18-4, SD 61)
	1	VV	MICROWAVE
	AR	CF	MODULAR CASEWORK
	1	VV	RECEPTACLE, WASTE, 330mm (13") DIA.
	1	VV	REFRIGERATOR, UNDER COUNTER.
P-528	1	VV	SINK, SINGLE COMPARTMENT, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 530 mm X 560 mm (21" X 22") (PG-18-1, MCS 15450)
	AR	VV	SOFA, 3 SEAT, UPHOLSTERED, APPROX., 1830mm X 840mm 710mm (72" X 26" X 28")
	AR	VV	TABLE, APPROX. 1830mm X 810mm X 760mm (72" X 32" X 30")
	AR	VV	TABLE, END, PLASTIC LAMINATE TOP, METAL FRAME

## TOILETS AND LOCKERS

	AR	CC	BAR, GRAB FOR SHOWER (PG-18-1, MCS 10800; PG-18-4, SD13.1)
	AR	CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; PG-18-4, SD 12, 14B & 14F)
	1	CC	BAR, TOWEL (PG-18-1, MCS 10800)
	1	VV	CURTAIN, SHOWER
	1	CC	DISH, SOAP, RECESSED (PG-18-1, MCS 10800; PG-18-4, SD12)
	1	VV	DISPENSER, BI-FOLD PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800; PG-18-4, SD 12)
	2	CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
P-414	1	CC	LAVATORY, STRAIGHT BACK (PG-18-1, MCS 15450)
	1	CC	LIGHT, OVER LAVATORY (PG-18-1, MCS 16510; PG-18-4, SD 919)
	1	CC	LOCKER, PATIENT, HALF HEIGHT

## Equipment Guide List Employee Biosafety Room- (cont'd)

SYMBOL	QTY	AI	DESCRIPTION
<b>TOILETS AND LOCKERS (cont'd)</b>			
	1	CC	MIRROR, WHEELCHAIR, 610mm X 910mm (24" X 36") (PG-18-1, MCS 10800; PG-18-4, SD 15)
	1	CC	ROD, FOR SHOWER CURTAIN (PG-18-1, MCS 10800; H-8-4, SD 14)
	1	CC	SHELF, STAINLESS STEEL, WALL HUNG, 150mm X 460mm (6" X 18") (PG-18-1, MCS 10360; PG-18-4, SD 15)
P-701	1	CC	SHOWER, BATH FIXTURE, DETACHABLE, WALL MOUNTED, (PG-18-1, MCS 15450; PG-18-4, SD 13 & 382)
	1	CC	STALL, SHOWER, 1220mm X 1190mm (48" X 46-3/4") (PG-18-1, MCS 10170; PG-18-4, SD 13)
P-104	1	CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450; PG-18-4, SD 389)