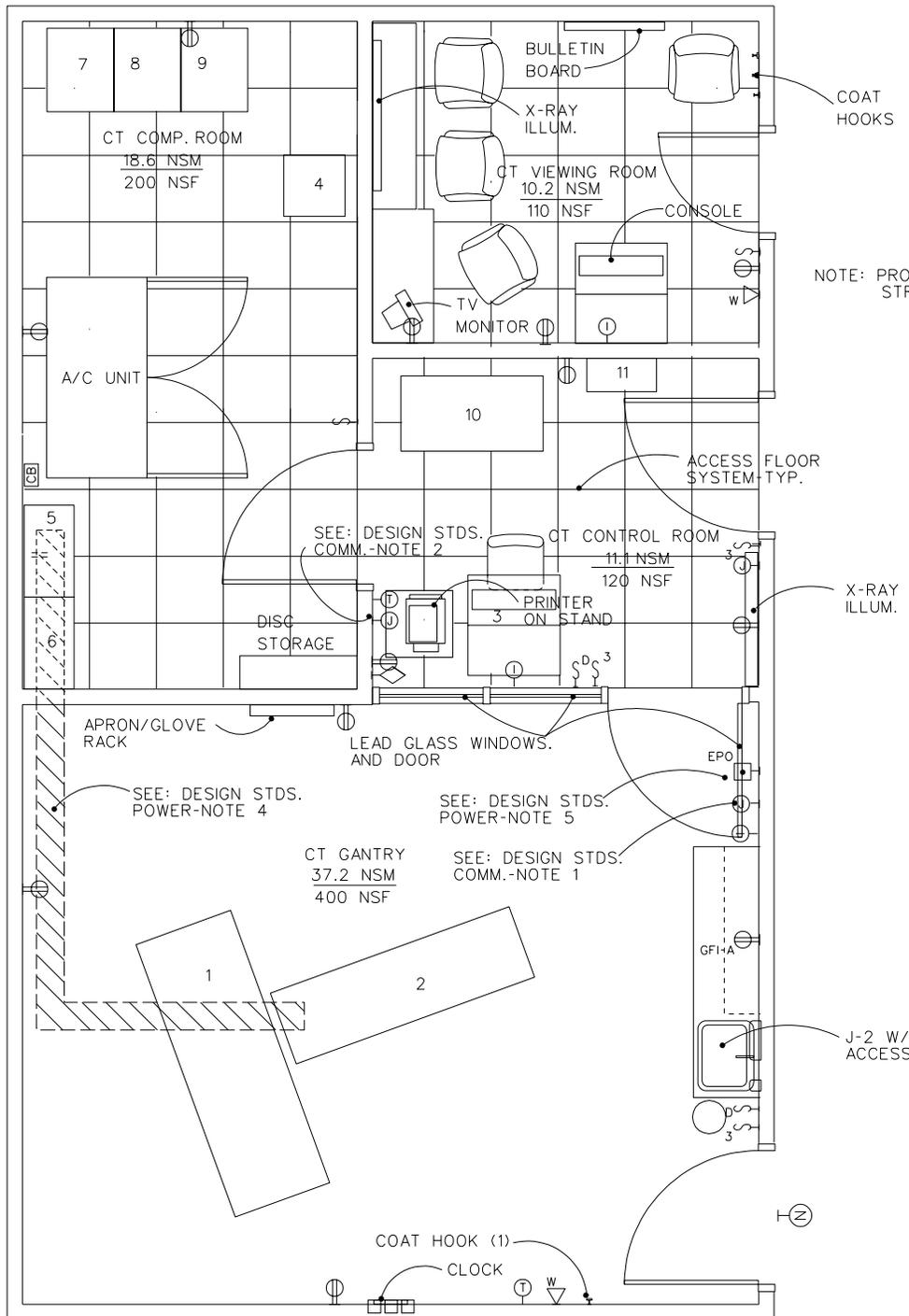


Equipment & Utility Plan CT Suite - Mid-Level Imaging System

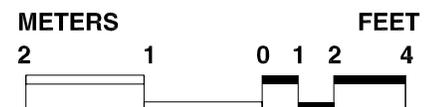
Final Draft 12-31-95
Revised May 1997



60.8 NSM
654 NSF

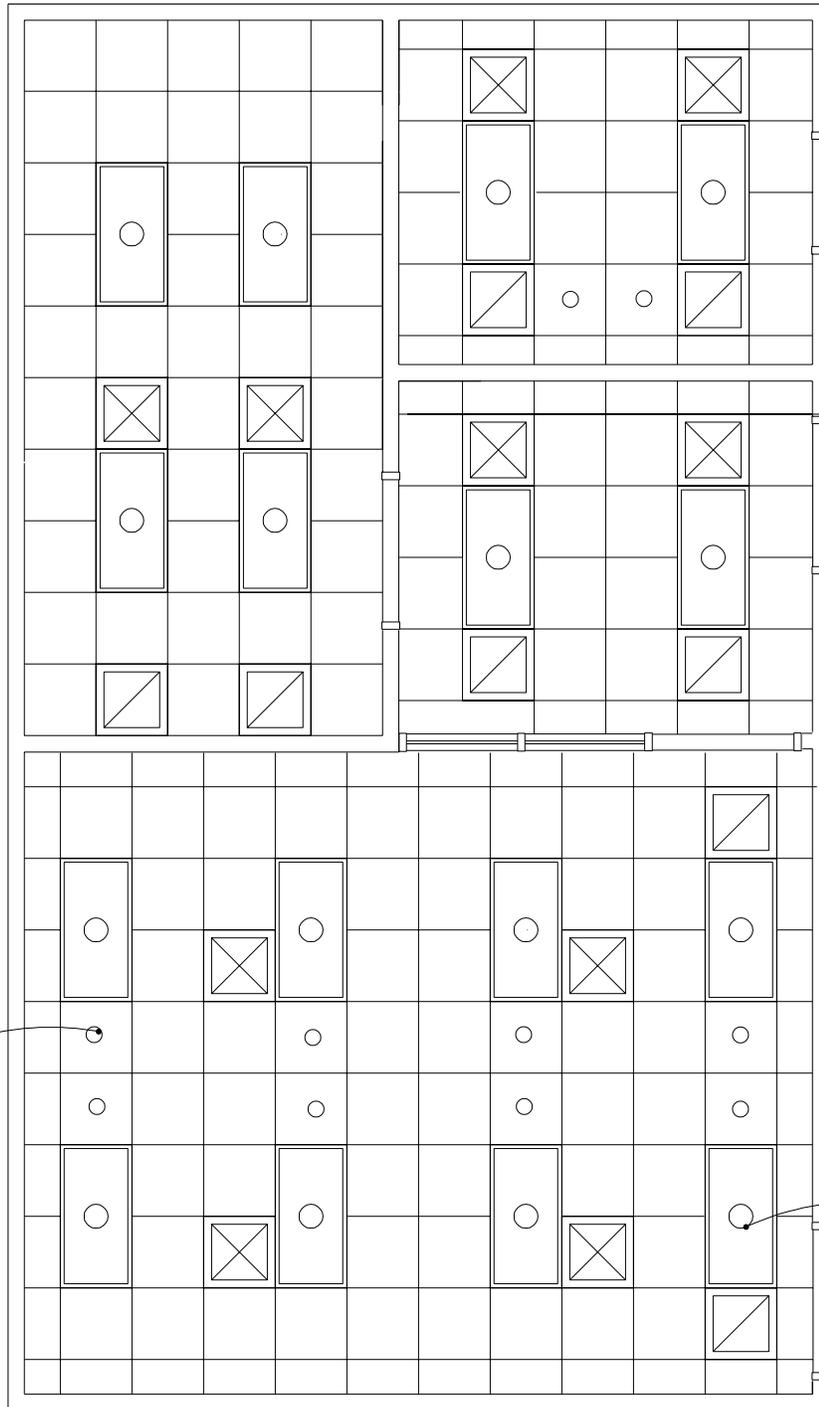
SCHEDULE

- | | |
|---------------------------|---------------------------|
| 1 CT GANTRY | 7 AUXIL. COMP. CABINET |
| 2 PATIENT TABLE | 8 SUPPLEMENT. ARRAY PROC. |
| 3 OPERATOR'S CONSOLE | 9 MAIN COMPUTER CAB. |
| 4 TRANSFORMER | 10 LASER IMAGER |
| 5 POWER DISTRIBUTION UNIT | 11 POWER SUPPRES./FILTER |
| 6 POWER CABINET | |



Reflected Ceiling Plan CT Suite - Mid-Level Imaging System

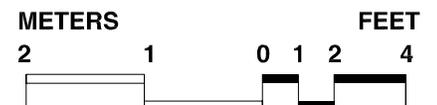
Final Draft 12-31-95
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SEE: DESIGN
STDS. LIGHTING-
NOTE 2 (TYP.)

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

NOTE:
GANTRY ROOM CEILING PLAN AS SHOWN IS TO
BE USED AS A GUIDE ONLY. DIRECTION AND LAYOUT
OF CEILING TRACK AND SUSPENSION SYSTEM
VARIES WITH MANUFACTURERS. FINAL LOCATION
OF DIFFUSERS, LIGHTS, ETC. HAS TO BE COORDINATED
WITH EQUIPMENT MANUFACTURERS.



Design Standards

CT Suite - Mid-Level Imaging System

ARCHITECTURAL

Ceiling:	Acoustic Ceiling Tile
Ceiling Ht:	2890 mm (9'-6")
Wall Finish:	--
Wainscot:	--
Base:	Resilient base
Floor Finish:	Vinyl Composition Tile; Access Floor System in Computer and Control Rooms
Slab Depr:	100mm (4")
Notes:	1. 1200 mm (4'-0") wide door. See VA Construction Standard 64-1, X-Ray Radiation Shielding and Special Control".

SPECIAL EQUIPMENT

None

LIGHTING

General:	30 FC (CT Gantry Room) 30 FC (Control Room)
Special:	30 FC (Computer Room)
Notes:	1. 600 mm x 1200 mm (2'x4') recessed fluorescent light fixture, acrylic prismatic lens, W/3-F32T8 lamps, 3500 deg K, CRI-75 (minimum) 2. Recessed, lensed incandescent downlight with 100W, A-21 lamp. 3. Down light illumination level controlled by dimmer.

POWER

General:	1000W (Receptacles)
Emergency:	--
Notes:	1. The electrical plan as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements to be per the x-ray system suppliers equipment installation drawings.

POWER (cont.)

- Notes:
2. Electrical trades shall provide necessary conduit, openings, bushings, nipples, flexible conduit etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories.
 3. 480V., 3P., 150A., adjustable trip flush mounted circuit breaker with shunt trip. Run empty 50 mm (2") C. from circuit breaker to x-ray duct above finished ceiling.
 4. 300 mm x 140 mm (12' x 5-1/2") deep flush floor duct with screw-on cover. Connect to x-ray wall duct.
 5. Run 13 mm (1/2") C. from door switch to junction box at x-ray controller. Connect door switch so that if door is opened the x-ray system will be shut off.

COMMUNICATION

ADP:	Yes
Radio:	--
Telephone:	Yes
Intercom:	Yes
Pub. Addr:	--
Notes:	1. Junction box for CCTV camera with conduit to adjacent control room. 2. Junction box for CCTV monitor.

Design Standards

CT Suite - Mid-Level Imaging System

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:	for
CT Gantry and Computer Room:	45%
All Others:	30%
Minimum Air Changes/Hr.:	
CT Gantry and Computer Room:	8
All Others:	4
Room Pressure:	0
AC Load-Equipment:	
CT Gantry:	2930 W (10,000 Btu/hr)
Control Room:	1400 W (4800 Btu/hr)
Viewing Room:	43 W /sm (4 W/sf)
AC Load Lighting:	
CT Gantry:	26 W/sm (2 W/sf)
Computer Room:	14W/sm (1.3W/sf)
Control and Viewing Room:	22 W/sm (2.W/sf)
Number of People:	Procedure: 6
	All Others: 3
Special Exhaust:	--
Notes:	1. Provide a dedicated AC unit for computer room sized to handle a minimum of 3 tons of cooling. See HVAC Design Manual for Hospital Projects for CT Suite requirements

PLUMBING AND MEDICAL GASES

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

Equipment Guide List

CT Suite (Mid-Level Imaging System) - Gantry Room

SYMBOL	QTY	AI	DESCRIPTION
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NOTE: SERVICES, ELECTRICAL, AS REQUIRED FOR EQUIPMENT.

NOTE: LOW LEVEL DIMMED INCANDESCENT LIGHTING SYSTEM IN ADDITION TO GENERAL FLUORESCENT ILLUMINATION SYSTEM (PG-18-1, MCS 16510)

NOTE: OUTLETS TO BE ON THE WALL, NEAR HEAD END OF X-RAY TABLE, 1524mm (60") ABOVE THE FLOOR.

NOTE: OUTLET, WALL, MEDICAL AIR (PG-18-1, MCS 15491; H-18-3, CS 310-1)

NOTE: OUTLET, WALL, OXYGEN (PG-18-1, MCS 15491; H-18-3, CS 310-1)

NOTE: OUTLET, WALL, VACUUM (PG-18-1, MCS 15491; H-18-3, CS 310-1)

NOTE: SHIELDING, RADIATION, FOR ROOMS WITH FIXED X-RAY EQUIPMENT, IN ACCORDANCE WITH (PG-18-1, MCS 13091; H-18-3, CS 64-1; PG-18-4, SD 24 THRU 24K AND NCRP REPORT NO. 33, 35 AND 49)

J-2	AR	CF	MODULAR CASEWORK
	1	CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 457mm x 381mm x 203mm (18" x 15" x 8") (PG-18-1 & PG-18-6, MCS 11602)
	1	VC	GANTRY AND MOUNTING FRAME
	1	VC	TABLE, PATIENT AND MOUNTING FRAME
	1	VV	CLOCK, BATTERY OPERATED
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	VV	DISPOSAL, NEEDLES, WALL MOUNTED
	1	VV	HOOK, COAT, WALL MOUNTED
	1	VV	RACK, APRON, WALL MOUNTED
	1	VV	RECEPTACLE, WASTE, STEP-ON TYPE APPROX 305mm (12") DIAMETER

Equipment Guide List

CT Suite (Mid-Level Imaging System) - Control Area

SYMBOL	QTY	AI	DESCRIPTION
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NOTE: INCANDESCENT, DIMMING SYSTEM (PG-18-1, MCS 16510)

NOTE: LIGHT, WARNING (DO NOT ENTER) OVER DOOR (PG-18-4, SD E-D-2)

NOTE: OUTLET, MONITOR, CLOSED CIRCUIT TELEVISION, (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)

NOTE: WINDOW, LEAD GLASS, 1397mm x 1219mm (55" x 48") (PG-18-1, MCS 13091)

1	VC	CONSOLE, OPERATORS, FOR SCANNER TABLE AND GANTRY (CAPACITY OF GENERATOR TO BE DETERMINE ON PROJECT BASIS)
AR	VC	IMAGER, HARD LINE
AR	VC	PRINTER, LINE
1	VV	CAMERA, LASER, IMAGER, APPROX., 1295mm x 660mm x 1194mm (51" x 26" x 47")
1	VV	CHAIR, OPERATOR'S
1	VV	ILLUMINATOR, X-RAY, 120 VOLT, 20 AMP, WALL MOUNTED, APPROX., 508mm x 760mm (20" x 30"), 2 IN 1

CT Suite (Mid-Level Imaging System) - Computer Room

SYMBOL	QTY	AI	DESCRIPTION
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AR	VC	AIR COOLER
AR	VC	COMPUTER CABINET, AUXILIARY
AR	VC	COMPUTER CABINET, MAIN
AR	VC	HEAT EXCHANGER (WATER/WATER)
1	VC	POWER CABINET
1	VC	POWER LINE PROTECTOR
1	VC	TRANSFORMER, HIGH VOLTAGE
AR	VC	UNIT, DISC DRIVE STORAGE
1	VC	UNIT, POWER DISTRIBUTION

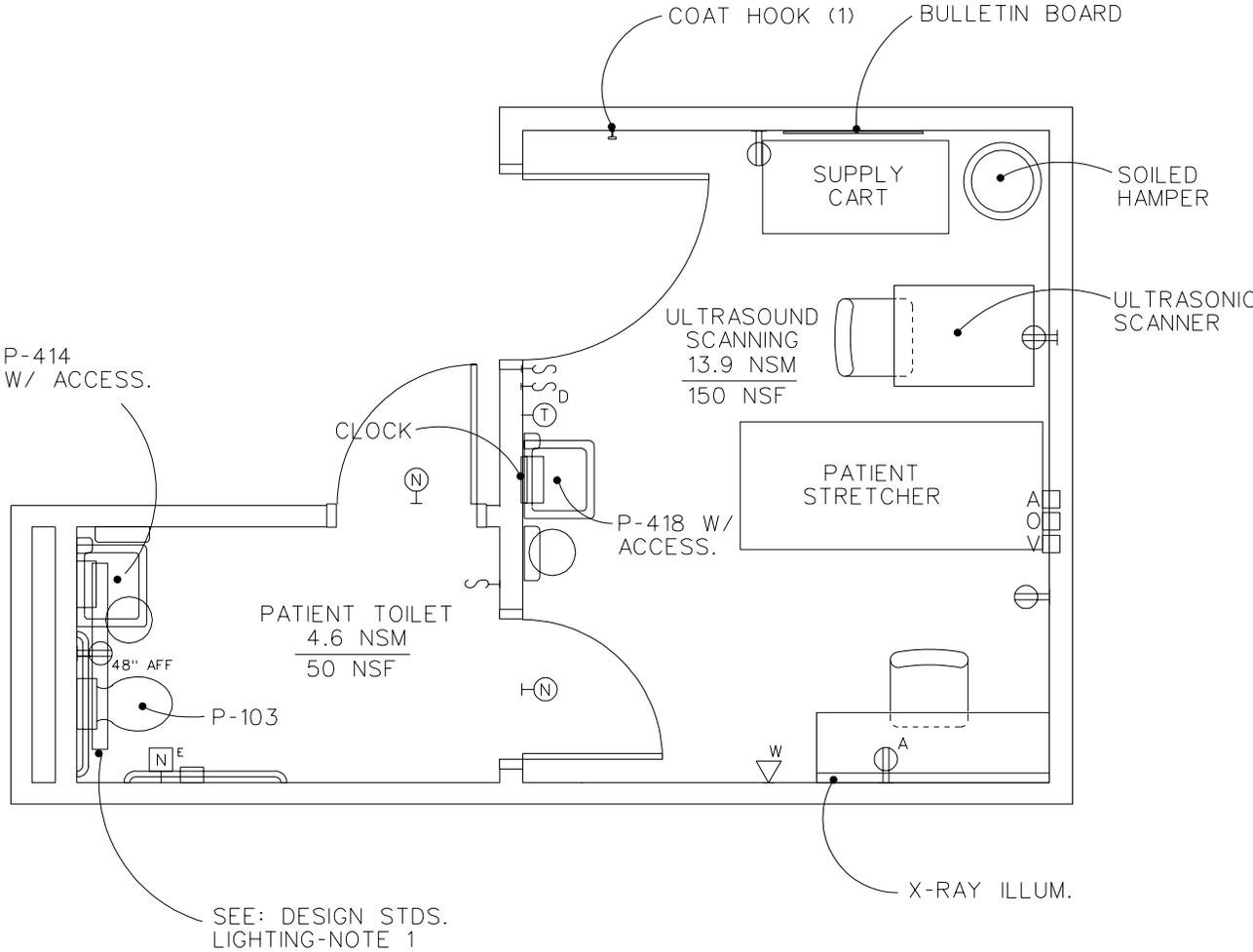
Equipment Guide List

CT Suite (Mid-Level Imaging System) - Physicians Viewing Rm

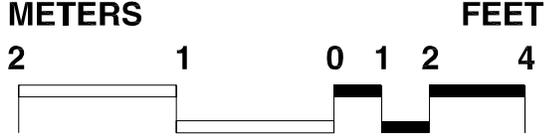
SYMBOL	QTY	AI	DESCRIPTION
AR	VV		CONSOLE, PHYSICIAN'S
AR	VV		CHAIR, ROTARY, WITH ARMS
2	VV		ILLUMINATOR, X-RAY, 120 VOLT, 20 AMP, WALL MOUNTED, APPROX., 508mm x 1499mm (20" x 59"), 4 IN 1
2	CC		COUNTERTOP, PLASTIC LAMINATE, FIXED, WALL MOUNTED, 762mm (30") ABOVE FINISHED FLOOR, APPROX., 1524 mm x 457mm (60" x 18"), PROVIDE UNDER ILLUMINATOR (PG-18-1, MCS 12302)
3	VV		HOOK, COAT, WALL MOUNTED
1	VV		BULLETIN BOARD, 914mm x 610mm (36" x 24")
1	VV		RECEPTACLE, WASTE, 330mm (13") DIAMETER
1	VV		MONITOR, TV, REMOTE VIEWING FOR COMPUTERIZED TOMOGRAPHIC (CT)
1	VV		CLOCK, BATTERY OPERATED
1	CC		RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140; H-18-3, CS 801-3)

Equipment & Utility Plan Ultrasound Room

Final Draft 12-31-95
Revised May 1997



18.5 NSM
200 NSF



Design Standards

Ultrasound Room

ARCHITECTURAL

Ceiling:	Acoustic Ceiling Tile
Ceiling Ht:	2700 mm (9'-0")
Wall Finish:	--
Wainscot:	--
Base:	Resilient base
Floor Finish:	Vinyl Composition Tile
Slab Depr:	--
Notes:	1. 1200 mm (4'-0") wide door

SPECIAL EQUIPMENT

None

LIGHTING

General:	Scanning Room: 30 FC Toilet Room: 30FC
Special:	--
Notes:	1. Wall mounted fluorescent fixture, acrylic prismatic lens on bottom, W/2-F32T8 lamps, 3500 deg. K, CRI=75 (min.) 2. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixture, acrylic prismatic lens, W/3-F32T8 lamps, 3500 deg. K, CRI=75. 3. Recessed, lensed incandescent downlight with 100W, A-21 lamp. 4. Down light illumination level controlled by dimmer.

POWER

General:	1000W (Receptacles)
Emergency:	--
Notes:	--

COMMUNICATION

ADP:	--
Radio:	--
Telephone:	Yes
Intercom:	Yes
Pub. Addr:	--
Notes:	1. nurse call for toilet room

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.:	4
Room Pressure:	See Note 1
AC Load Lighting:	Ultrasound: 54 W/m 2(5W/sf)
AC Load-Equipment:	Ultrasound 2700 W(9200 Btu/hr)
Number of People:	3
Special Exhaust:	--
Notes:	1. Negative pressure in Toilet and equal pressure in Ultrasound with respect to Corridor.

PLUMBING AND MEDICAL GASES

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

Equipment Guide List

Ultrasound Room

SYMBOL	QTY	AI	DESCRIPTION
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NOTE: LOW LEVEL DIMMED INCANDESCENT LIGHTING SYSTEM IN ADDITION TO GENERAL FLUORESCENT ILLUMINATION SYSTEM (PG-18-1, MCS 16510)

	1	CC	COUNTERTOP, PLASTIC LAMINATE, FIXED, WALL MOUNTED, 762mm (30") ABOVE FINISHED FLOOR, APPROX., 1524mm x 457mm (60" x 18"), PROVIDE UNDER ILLUMINATOR (PG-18-1, MCS 12302)
	1	CC	DISPENSER, SOAP, WALL MOUNTED WITH FOOT CONTROL (PG-18-1, MCS 10800)
P-418	1	CC	LAVATORY, SENSOR CONTROL (PG-18-1, MCS 15450; VOL. 3 SD 380)
	AR	VV	STRETCHER, RECOVERY APPROX., 762mm x 2032mm (30" x 80")
	1	VV	BULLETIN BOARD, 914mm x 610mm (36" x 24")
	AR	VV	CART, SUPPLIES, 610mm x 1219mm (24" x 48")
	AR	VV	CHAIR, ROTARY, WITHOUT ARMS
	1	VV	CLOCK, BATTERY OPERATED
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	AR	VV	HAMPER, SOILED LINEN, WITH HINGED SELF CLOSING TOP, 508mm (20") DIA.
	1	VV	HOOK, COAT, WALL MOUNTED
	1	VV	ILLUMINATOR, X-RAY, 120 VOLT, 20 AMP, WALL MOUNTED, APPROX., 508mm x 1499mm (20" x 59"), 4 IN 1
	2	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX., 305mm (12") DIAMETER
	AR	VV	SCANNER, ULTRASONIC, MOBILE

Equipment Guide List

Ultrasound Room - Patient Toilet

SYMBOL	QTY	AI	DESCRIPTION
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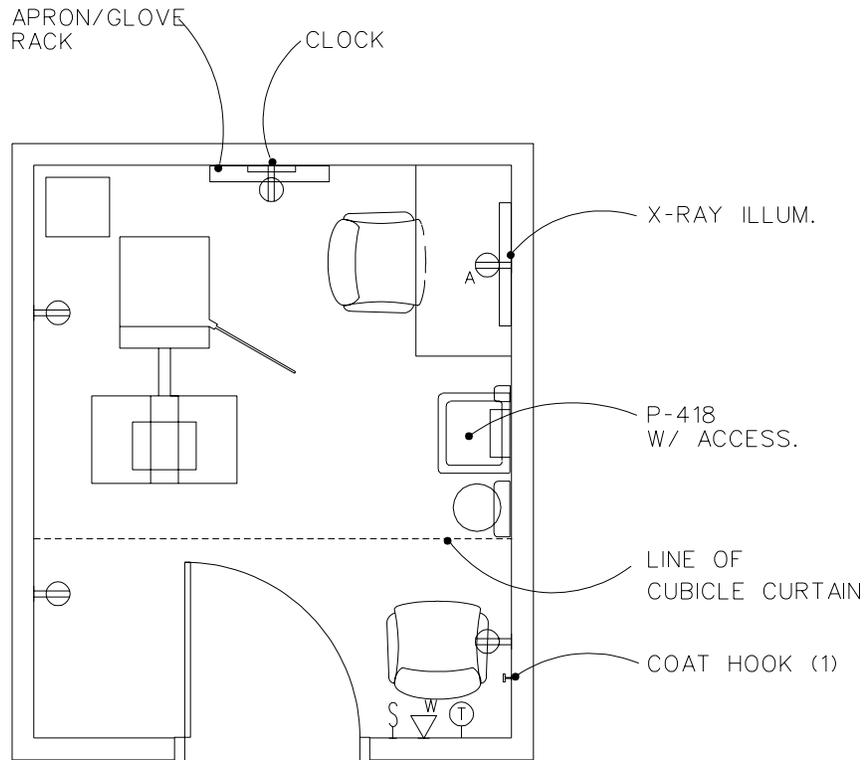
NOTE: LIGHT, OVER MIRROR (PG-18-1, MCS 16510; PG-18-4, SD E-F-15)

NOTE: RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140; H-18-3, CS 801-3)

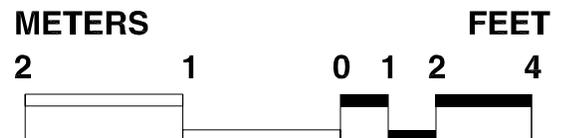
	AR	CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; PG-18-4, SD 12)
	1	CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800; PG-18-4, SD 12)
P-414	1	CC	LAVATORY, STRAIGHT BACK (PG-18-1, MCS 15450)
	1	CC	MIRROR, 610mm x 914mm (24" x 36"), OVER WHEELCHAIR LAVATORY (PG-18-1, MCS 10800; PG-18-4, SD 15)
	1	CC	SHELF, STAINLESS STEEL, WALL HUNG, 152mm x 457mm (6" x 18") (PG-18-1, MCS 10360; PG-18-4, SD 15)
P-103	1	CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450; PG-18-4)
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED

Equipment & Utility Plan Mammography Room

Final Draft 12-31-95
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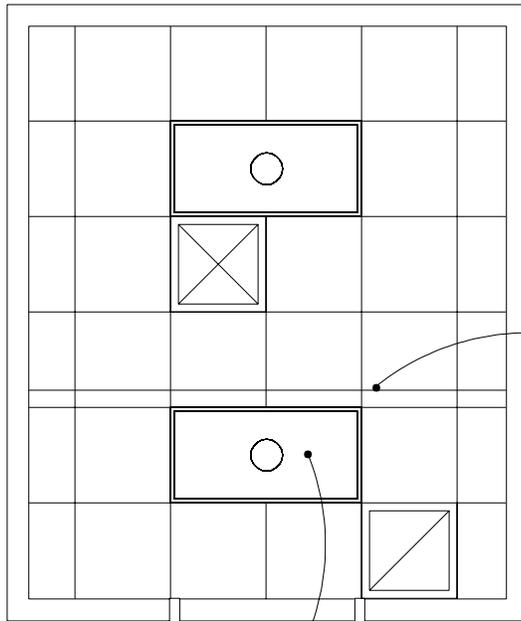


11.2 NSM
120 NSF



Reflected Ceiling Plan Mammography Room

Final Draft 12-31-95
Revised May 1997



LINE OF
CUBICLE CURTAIN
TRACK

SEE: DESIGN STDS.
LIGHTING-NOTE 1

METERS

2 1



FEET

0 1 2 4



Design Standards

Mammography Room

ARCHITECTURAL

Ceiling:	Acoustic Ceiling Tile
Ceiling Ht:	2700 mm (9'-0")
Wall Finish:	--
Wainscot:	--
Base:	Resilient base
Floor Finish:	Vinyl Composition Tile
Slab Depr:	--
Notes:	1. 1100 mm (3'-8") wide door

SPECIAL EQUIPMENT

None

LIGHTING

General:	30 FC
Special:	--
Notes:	1. 600 mm x 1200 mm (2' x 4') recessed fluorescent light fixture, acrylic prismatic lens, W/3-F32T8 lamps, 3500 deg. K, CRI=75.

POWER

General:	1000W (Receptacles)
Emergency:	--
Notes:	--

COMMUNICATION

ADP:	--
Radio:	--
Telephone:	Yes
Intercom:	--
Pub. 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.:	4
Room Pressure:	0
AC Load-Equipment:	54 W/sm (5W/sf)
AC Load Lighting:	22 W/sm (2 W/sf)
Number of People:	3
Special Exhaust:	--
Notes:	--

PLUMBING AND MEDICAL GASES

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

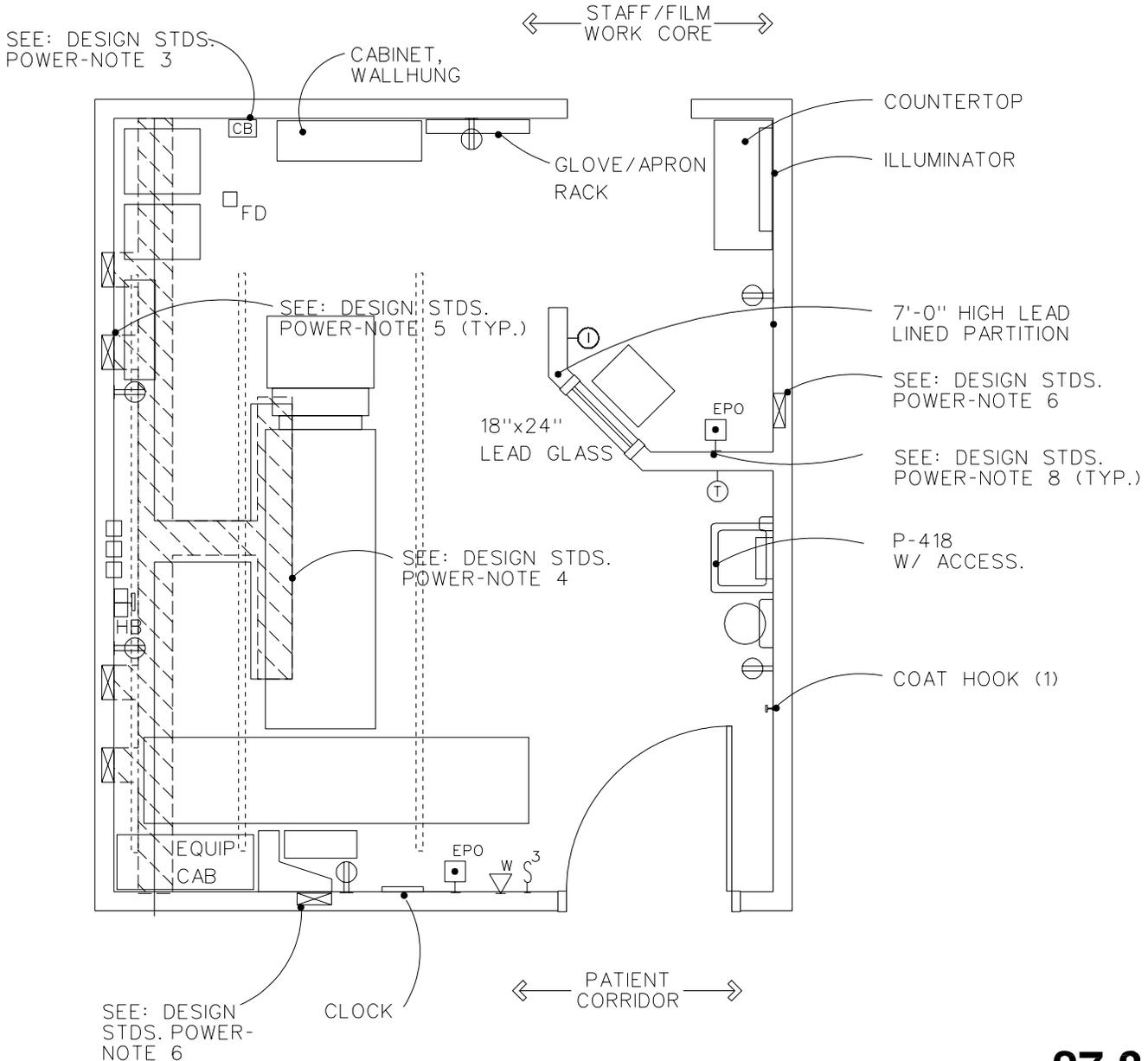
Equipment Guide List

Mammography Room

SYMBOL	QTY	AI	DESCRIPTION
	1	CC	COUNTERTOP, PLASTIC LAMINATE, FIXED, WALL MOUNTED, 760mm (30") ABOVE FINISHED FLOOR, APPROX., 1524mm x 455mm (48" x 18"), PROVIDE UNDER ILLUMINATOR (PG-18-1, MCS 12302) (PG-18-1, MCS 10800)
P-418	1	CC	LAVATORY, SENSOR CONTROL (PG-18-1, MCS 15450; VOL. 3 SD 380)
	1	VC	UNIT, MAMMOGRAPHY WITH CHAIR
	1	VV	BULLETIN BOARD, 914mm x 610mm (36" x 24")
	2	VV	CHAIRS, STRAIGHT, WITH ARMS
	1	VV	CLOCK, BATTERY OPERATED
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	VV	HOOK, COAT, WALL MOUNTED
	1	VV	ILLUMINATOR, X-RAY, 120 VOLT, 20 AMP, WALL MOUNTED, APPROX., 508mm x 787mm (20" x 31"), 2 IN 1
	1	VV	RACK, GLOVE & APRON, WALL MOUNTED
	1	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX., 305mm (12") DIAMETER

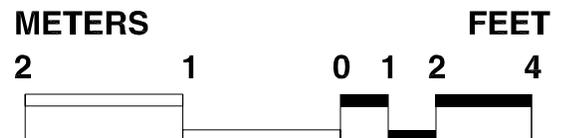
Equipment & Utility Plan Automated Radiographic Room w/ Control

Final Draft 12-31-95
Revised May 1997



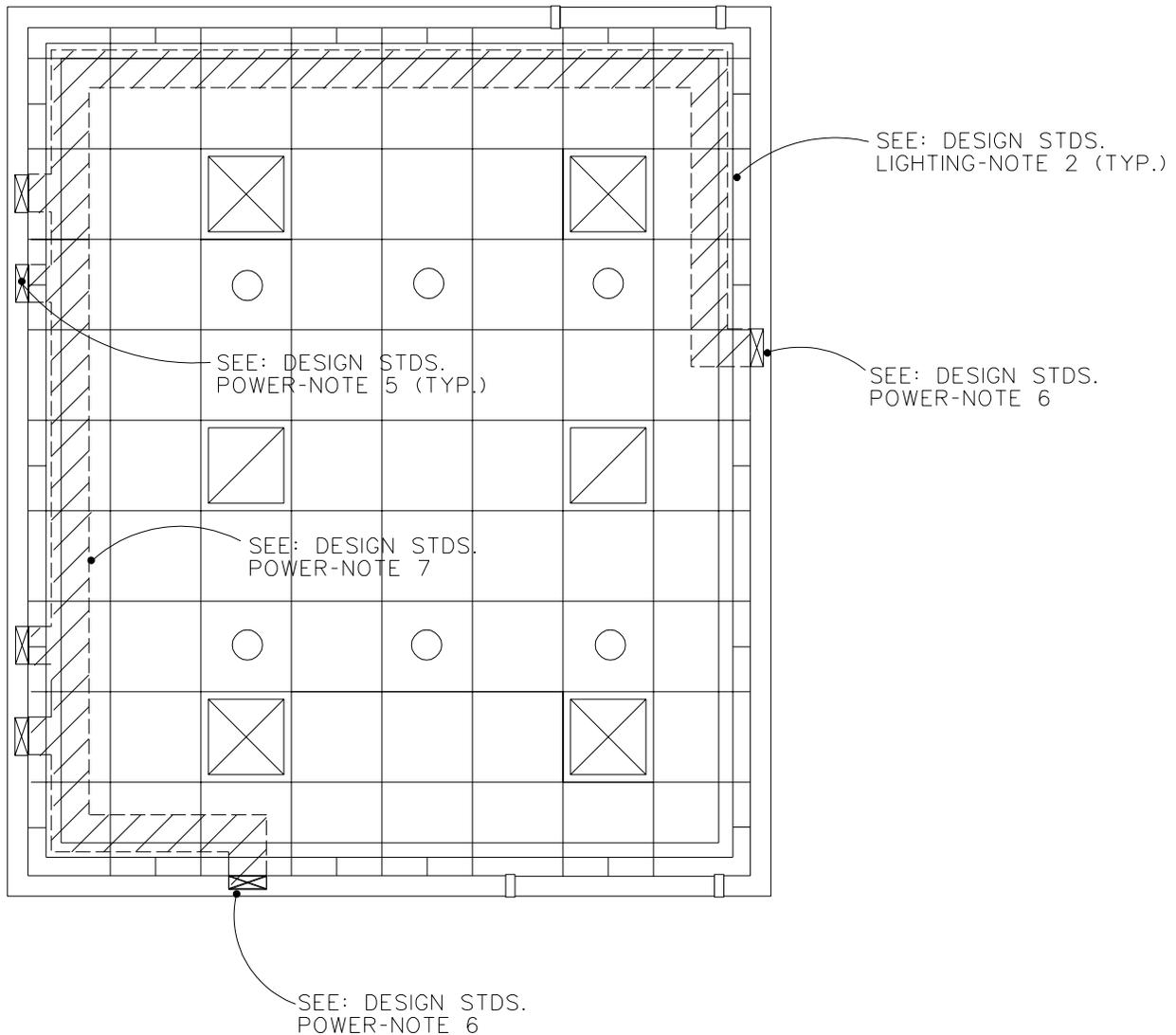
NOTE:
PERIMETER WALLS REQUIRE LEAD SHIELDING, A REGISTERED HEALTH PHYSICIST SHOULD CHECK ADJACENCY USES AND DETERMINE SHIELDING REQUIREMENTS.

27.8 NSM
300 NSF



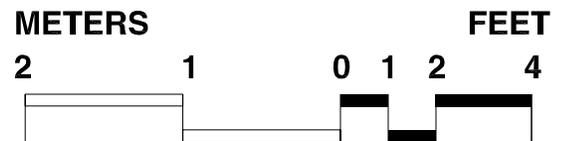
Reflected Ceiling Plan Automated Radiographic Room w/ Control

Final Draft 12-31-95
Revised May 1997



NOTE:
CEILING PLAN AS SHOWN IS TO BE USED
AS A GUIDE ONLY. DIRECTION AND LAYOUT
OF CEILING TRACK AND SUSPENSION SYSTEM
VARIES WITH MANUFACTURERS. FINAL LOCATION
OF DIFFUSERS, LIGHTS, ETC. HAS TO BE COORDINATED
WITH EQUIPMENT MANUFACTURERS.

VA DESIGN GUIDE
RADIOLOGY SERVICE



GUIDE PLATE 4-8

Design Standards

Automated Radiographic Room w/Control

ARCHITECTURAL

Ceiling:	Acoustic lay-in ceiling tile
Ceiling Ht:	2890 mm (9'-6")
Wall Finish:	Paint
Wainscot:	--
Base:	Resilient base
Floor Finish:	Vinyl composition tile
Slab Depr:	100 mm (4")

Notes: 1. 200 mm (4'-0") wide door. See VA Construction Standard 64-1, X-Ray Radiation Shielding and Special Control".

SPECIAL EQUIPMENT

None

LIGHTING

General:	30 FC
Special:	--

Notes: 1. "X-ray in use -DO NOT ENTER" warning sign fixture.
 2. Continuous fluorescent direct/indirect wall mounted fixture, acrylic prismatic lens on top and bottom, W/2-F32T8 lamps, 3500 deg. K, CRI=75 (min.)
 3. Illumination level controlled by dimmer.

POWER

General:	1200W (receptacles)
Emergency:	1600W (receptacles)

Notes: 1. The electrical plan as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements to be per the x-ray system suppliers equipment installation drawings.
 2. Electrical trades shall provide necessary conduit, openings, bushings, nipples, flexible conduit etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories.

POWER (cont.)

Notes: 3. 480V., 3P., 150A., adjustable trip flush mounted circuit breaker with shunt trip. Run empty 600 mm (2" C. from circuit breaker to x-ray duct above finished ceiling.
 4. 300 mm x 140 mm (12" x 5-1/2") deep flush floor duct with screw-on cover. Connect to vertical wall duct.
 5. 250 mm x 140 mm (10" x 5-1/2") deep flush vertical wall duct with 300 mm (12") wide screw-on cover. Connect to floor duct and to x-ray duct above finished ceiling.
 6. 250 mm x 140 mm (10" x 5-1/2") deep flush vertical wall duct with 300 mm (12") wide screw-on cover. Connect to x-ray duct above finished ceiling and terminate at finished floor.
 7. 250 mm x 140 mm (10" x 5-1/2") deep x-ray duct above finished ceiling with 250 mm (10") wide screw-on cover. Connect to vertical wall duct.
 8. Emergency Power Off (EPO) push button station. Connect to shunt trip circuit breakers.

COMMUNICATION

ADP:	--
Radio:	--
Telephone:	Yes
Intercom:	--
Pub. Addr:	--

Design Standards

Automated Radiographic Room w/Control

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling:	24°C (75°F)
Dry Bulb Temp Heating:	22°C (72°F)
Minimum % Outside Air:	15
100% Exhaust Air:	No
Noise Criteria:	NC-40
Steam:	--
Relative Humidity/Cooling:	50%
Relative Humidity/Heating:	30%
Minimum Air Changes/Hr.:	6
Room Pressure:	Negative
AC Load Lighting:	40 W/m ² (3.7 W/sf)
AC Load-Equipment:	50/70 W (17300 Btu/hr)
Number of People:	6
Special Exhaust:	--

- Notes: 1. Provide at least two level exhaust outlets.
2. Provide at least 150 mm (6") duct to each processor balanced to 80 CFM each.
3. See HVAC Design Manual for Hospital Projects for lead wrapping of ductwork penetrating lead lined walls.

PLUMBING AND MEDICAL GASES

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

- Notes: 1. Provide piping connection from processors to Silver Recovery System, if required.

Equipment Guide List

Automated Radiographic Room

SYMBOL	QTY	AI	DESCRIPTION
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NOTE: PROVIDE PIPING CONNECTION FROM PROCESSORS TO SILVER RECOVERY SYSTEM, IF REQUIRED.

NOTE: SERVICES, ELECTRICAL, AS REQUIRED FOR EQUIPMENT

NOTE: PROVIDE ONLY WHEN APPROVED FOR A SPECIFIC PROJECT (OXYGEN, AIR, VACUUM OUTLET AND BRACKET)

NOTE: OUTLET, WALL, MEDICAL AIR (PG-18-1, MCS 15491)

NOTE: OUTLET, WALL, OXYGEN (PG-18-1, MCS 15491)

NOTE: OUTLET, WALL, VACUUM (PG-18-1, MCS 15491)

NOTE: CONNECTIONS, PLUMBING, ELECTRICAL OR MECHANICAL AS REQUIRED

NOTE: FLOOR DRAIN, NEAR FILM PROCESSING UNITS (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)

NOTE: FLOOR DRAIN, NEAR REPLENISHER TANK UNITS (PLUMBING DESIGN CRITERIA & INSTRUCTIONS)

NOTE: LOW LEVEL DIMMED INCANDESCENT LIGHTING SYSTEM IN ADDITION TO GENERAL FLUORESCENT ILLUMINATION SYSTEM (PG-18-1, MCS 16510)

NOTE: SHIELDING, RADIATION, FOR ROOMS WITH FIXED X-RAY EQUIPMENT, IN ACCORDANCE WITH PG-18-1, MCS 13091; PG-18-4, SD 24 THRU 24K AND NCRP REPORT NO. 33, 35 AND 49)

	AR	CC	COUNTERTOP, PLASTIC LAMINATE, FIXED, WALL MOUNTED, 760mm (30") ABOVE FINISHED FLOOR, APPROX., 1525mm x 457mm (60" x 18"), PROVIDE UNDER ILLUMINATOR (PG-18-1, MCS 12302)
	1	CC	DISPENSER, SOAP, WALL MOUNTED WITH FOOT CONTROL (PG18-1, MCS 10800)
P-802	1	CC	HOSE BIBB, COMBINATION FAUCET, WALL MOUNTED, CONCEALED SUPPLY PIPES (PG-18-1, MCS 15450, PG-08-4, SD VOL. 3 SD 380)
P-418	1	CC	LAVATORY, SENSOR CONTROL (PG-18-1, MCS 15450; VOL. 3 SD 380)
	1	CF	CABINET, FOR EQUIPMENT MANUAL, WALL MOUNTED, APPROX., 1220mm x 405mm x 405mm (48" x 16" x 16")
	1	CF	CABINET, STORAGE, WALL MOUNTED, 255mm (10") ABOVE FINISHED FLOOR, 5 SHELVES AND FOLDING DOOR, APPROX. 610mm x 405mm x 1575mm (24" x 16" x 62")