

Section 4: Guide Plates

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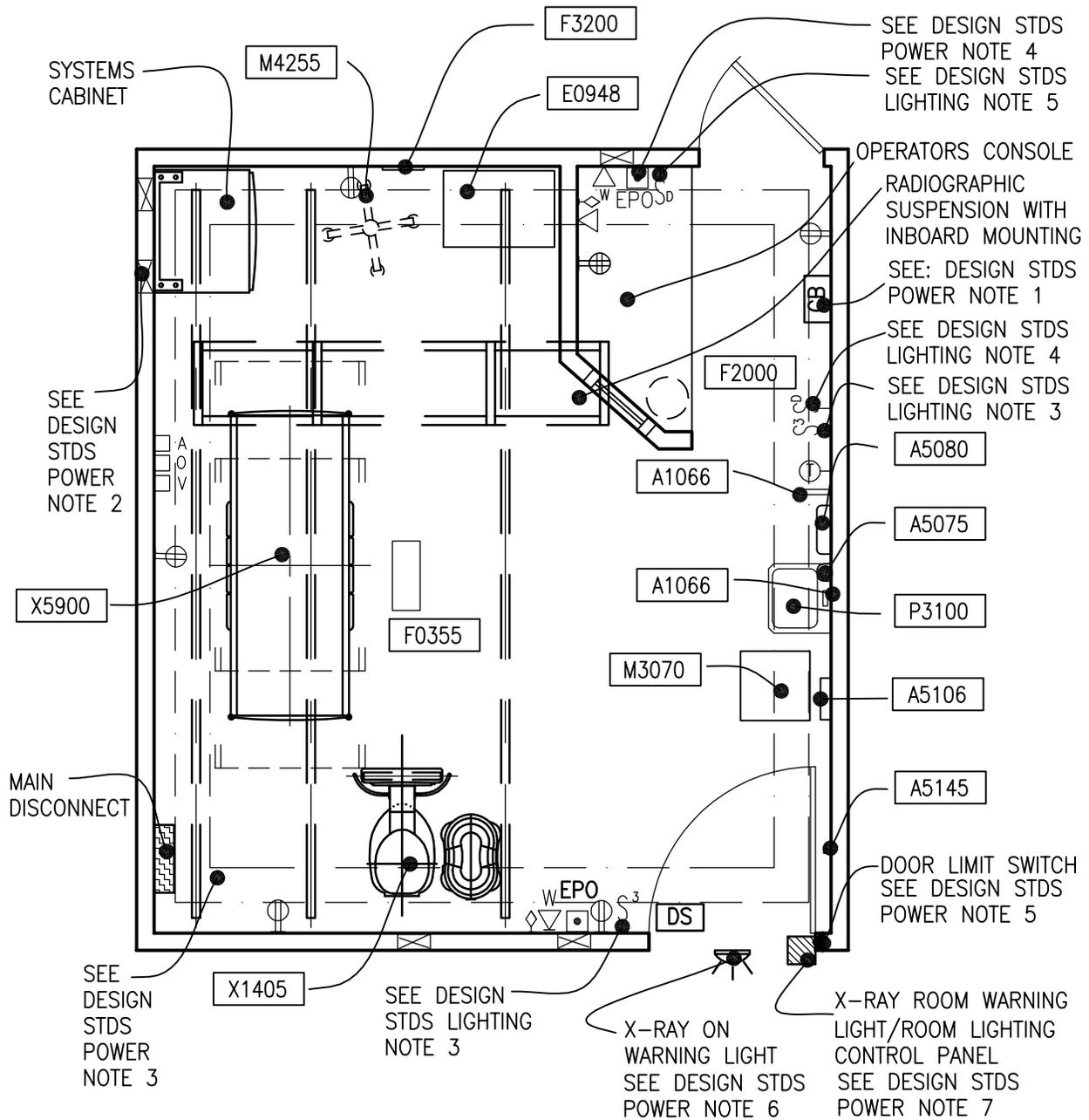
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General Purpose Radiology Room (XDR01)

300 NSF

Floor Plan

27.9 NSM



1/4" = 1'-0"

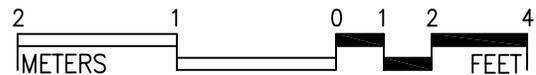
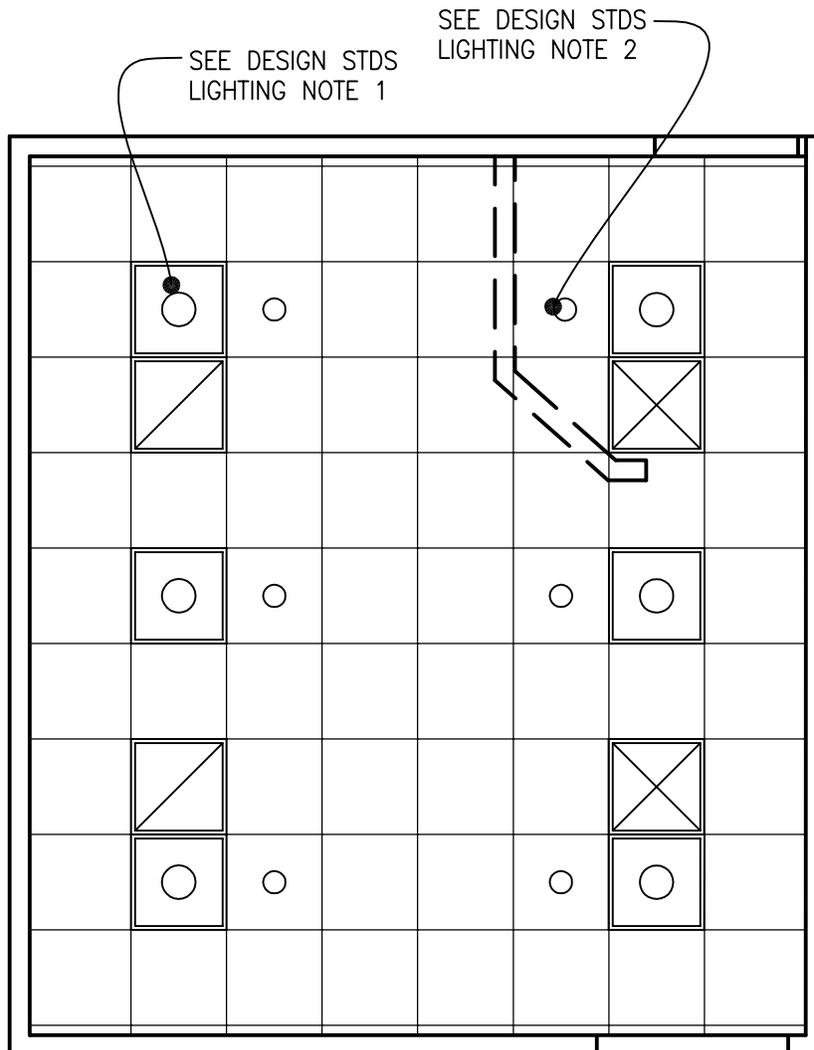
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

General Purpose Radiology Room (XDR01)

300 NSF

Reflected Ceiling Plan

27.9 NSM



1/4" = 1'-0"

The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

GENERAL PURPOSE RADIOGRAPHIC ROOM (XDR01): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Vinyl
Floor Finish:	Vinyl Composition Tile
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide shielded door into the General Purpose Radiographic Room.
2. Provide a shielded viewing window from the Control Area to the General Purpose Radiographic Room.

LIGHTING

General: Fluorescent lights will provide higher illumination level up to 50 FC during patient transfer on and from the table, equipment setting, room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 5 FC during X-ray tube aiming and scanning. Warmer light color will enhance skin appearance and increase patient comfort.

Luminaires shall be located to avoid conflict with radiographic equipment ceiling tracks.

Notes:

1. 2'x2' fluorescent recessed luminaire, acrylic prismatic lens, with (2) FB031T8-U lamps, 4100 K, CRI=85 (minimum)
2. 8-inch diameter., recessed incandescent downlight, with recessed Fresnel lens, and 150W/A21 inc. horizontally mounted lamp.
3. Fluorescent lighting controlled by 3-way switches located at entrance door and in control area

4. Incandescent down lighting in X-ray room controlled by dimmer located in X-ray room.
5. Incandescent down lighting in control area controlled by separate dimmer located in control area.

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the x-ray system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, surface, recessed, wall mounted and floor raceways, etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories.

Emergency:

Emergency power for x-ray equipment, controls, and selected receptacles as determined by the Hospital.

Notes:

1. 480V, 3P-150A circuit breaker, with adjustable trip, shunt trip, flush mounted. Run empty 50 mm (2"C) from circuit breaker to x-ray duct above finished ceiling.
2. 250 mm x 140 mm (10" W x 5-1/2" D) 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.
3. 250 mm x 140 mm (10" W x 5-1/2" D) x-ray duct above finished ceiling with 250 mm (10") wide screw-on cover. Connect to vertical wall duct.
4. Emergency Power Off pushbutton station. Refer to specific radiology equipment requirements for EPO. Connect to shunt trip at main disconnect.
5. Door switch with NO/NC contacts. Connect to x-ray machine control circuit. X-ray machine should shut-off upon opening of the entrance door.

6. Warning light with wording "X-RAY ON DO NOT ENTER". Provide power, interface with x-ray machine via interface relay.
7. X-ray warning light interface relay with low voltage power supply to match x-ray equipment requirements.

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	--
Nurse Call:	--
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	--
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--

Notes:

PACS: two 4-port telecommunication outlets per PACS station

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions:	70°F - 75°F (21°C - 24°)
	30% to 60% Relative humidity
Minimum Air Changes per hour:	6
	- Supply Air
100% Exhaust:	No-See Note 2
100% Outside air	No-See Note 2
Room Air Balance:	Positive
Dedicated Exhaust System:	No
Occupancy:	4 people
AC Load-Equipment:	5,000 Btuh – 13,500 Btuh (1,500W- 4000 W)
AC Load-Lighting:	1.6 W/SF (17 W/M ²)

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project.
2. Refer also to general requirements for mycobacterium tuberculosis in Radiology Department and HVAC Design Manual "TB Criteria".

PLUMBING AND MEDICAL GASES

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

Notes:

GENERAL PURPOSE RADIOGRAPHIC ROOM (XDR01): Equipment Guide List

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	VV	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	10 28 00
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5106	Waste Disposal Unit, Sharps w/Glove Dispenser	1	VV	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00

F0205	Chair, Side With Arms	1	VV	Upholstered side chair, 32" high X 21" wide X 23" deep with arms, padded seats and padded backs. Seat height is a minimum of 17". Available with or without sled base.
F0340	Stool, Self Adjusting	1	VV	Self adjusting stool. Consists of a foam padded upholstered seat with attached foot rest for added comfort. Mounted on swivel casters. Designed for doctor's use during examinations.
F0355	Footstool, Straight	1	VV	Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.
F3200	Clock, Battery, 12" Diameter	1	VV	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).
E0948	Cart, General Storage, Mobile, 42"H x 32"W x 22"D	1	VV	THIS TYPICAL INCLUDES: 1 Cart Body, Style-A Narrow, w/Raised Edge Top 1 Accessory Rail, Side 2 Drawers, 3" H (76mm) 4 Drawers, 6" H (152mm) Drawer Organizer Bins
F2000	Basket, Wastepaper, Round, Metal	1	VV	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.
F3200	Clock, Battery, 12" Diameter	1	VV	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).
M3070	Hamper, Linen, Mobile, w/Lid	1	VV	Mobile linen hamper with hand or foot operated lid. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Holds 25" hamper bags. Mounted on ball bearing casters. For linen transport in hospitals and clinics.

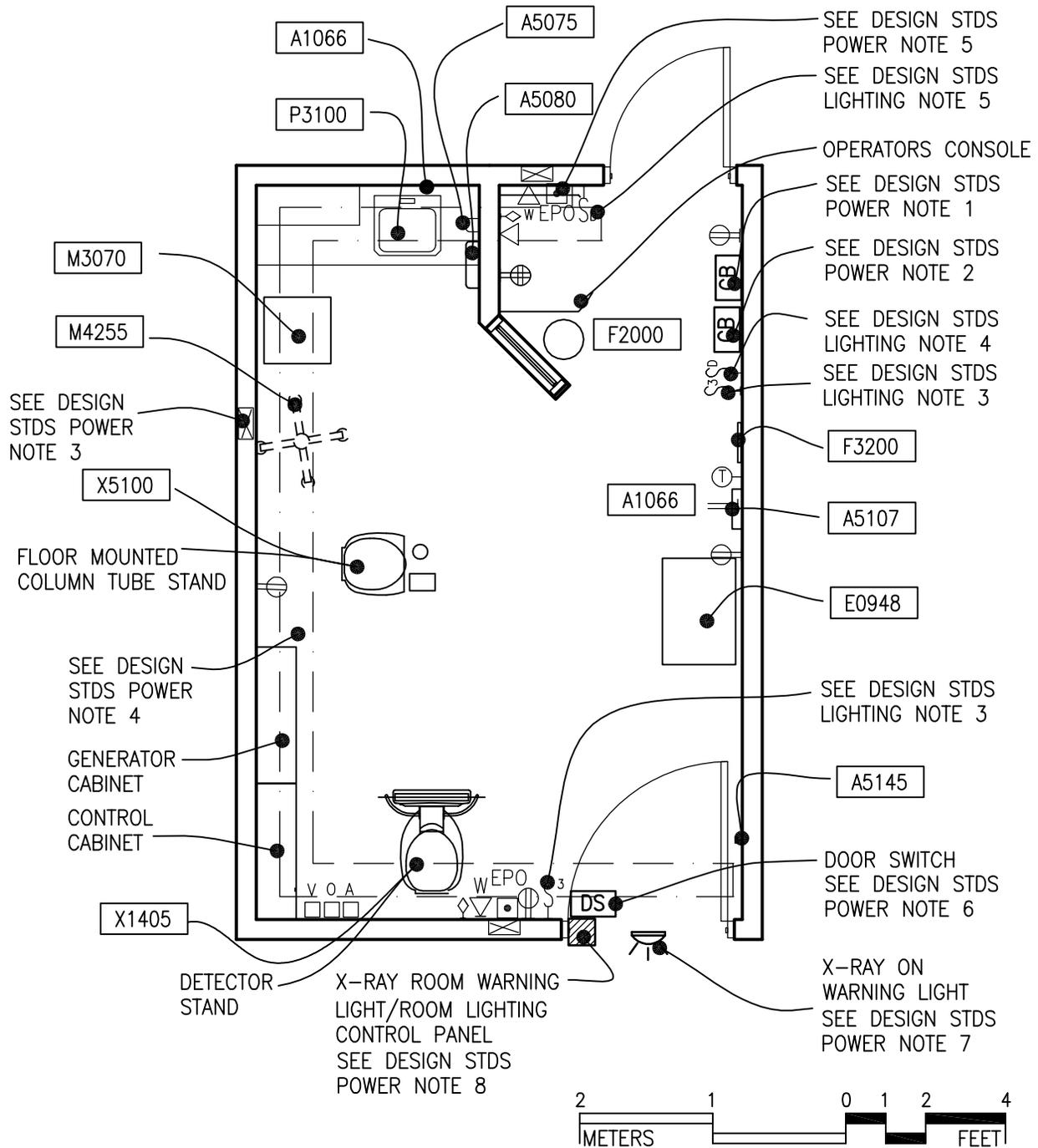
M4255	Stand, IV, Adjustable	1	VV	Adjustable IV stand with 4-hook arrangement. Stand has stainless steel construction with heavy weight base. It adjusts from 66 inches to 100 inches and is mounted on conductive rubber, ball bearing, swivel casters. Stand is used for administering intravenous solutions.	
P3100	Lavatory, Vitreous China, Slab Type	1	CC	Wall mounted, slab type, vitreous china, lavatory (approximate bowl size 7"x15"x10") with: faucet holes on 4" centers; gooseneck spout; wrist blade handles; and grid strainer. It shall be suitable for use in clinics, offices, washrooms or patient care area.	22 40 00
X1405	Stand, Bucky, Vertical, Tilt, Automatic	1	CF? This is VC on Old VA codes	Vertical and tilting bucky stand. This unit is mounted to the floor and wall to provide a vibration-free mounting platform for the universal bucky. The grid line free radiographs are produced at exposure times as short as two milliseconds. Characteristics and components include aluminum interspaced grid with a 36 inch (914 mm) to 40 inch (1016 mm) focal range. The unit's cassette size sensing tray accommodates all cassette sizes between 5 and 17 inches. The unit tilts at angles of +90/-20 degrees from the vertical position. The unit is used in X-ray facilities for processing radiography images.	
X3150	Rack, Apron/Gloves, Wall Mounted	1	CC	Apron and gloves rack. This is a wall unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum. The unit's convenient on wall storage will prolong the useful life of your protection aprons by helping prevent damage to internal components.	
X5900 (need new digital number)	Radiographic Unit, 80 kW, NonTilt Table	1	CF? This is VC on Old VA codes	This system is specifically designed to perform radiographic examinations in the Radiology Department. This units characteristics and components include, 80kW micro-processor controlled X-ray generator, a non-tilting table with a floating table top and an adjustable bucky, a ceiling suspended 0.6/1.2 mm tube unit and vertical bucky stand.	

Chest Room (XDCS1)

120 NSF

Floor Plan

18.6 NSM



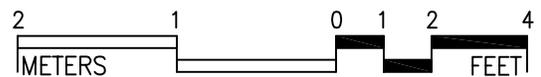
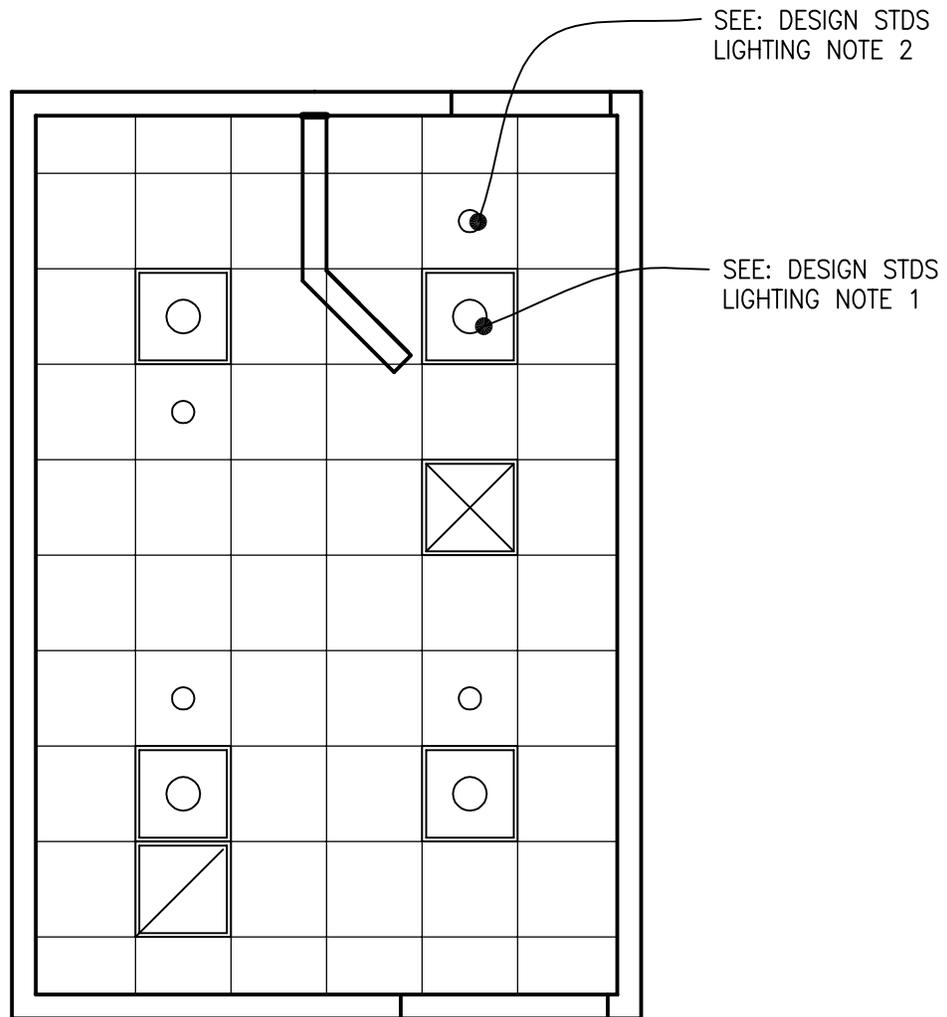
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Chest Room (XDCS1)

120 NSF

Reflected Ceiling Plan

18.6 NSM



1/4" = 1'-0"

The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CHEST ROOM (XDCCS1): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Vinyl
Floor Finish:	Vinyl Composition Tile
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide shielded door into the Dedicate Chest Room
2. Provide a shielded viewing window from Control Area to the Dedicated Chest Room.

LIGHTING

General: Fluorescent lights will provide higher illumination level up to 50 FC during patient transfer on and from the table, equipment setting, room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 5 FC during X-ray tube aiming and scanning. Warmer light color will enhance skin appearance and increase patient comfort.

Luminaires shall be located to avoid conflict with radiographic equipment ceiling tracks.

Notes:

1. 2'x2' fluorescent recessed luminaire, acrylic prismatic lens, with (2) FB031T8-U lamps, 4100 K, CRI=85 (minimum)
2. 8-inch diameter., recessed incandescent downlight, with recessed Fresnel lens, and 150W/A21 inc. horizontally mounted lamp.
3. Fluorescent lighting controlled by 3-way switches located at entrance door and in control area

4. Incandescent down lighting in X-ray room controlled by dimmer located in X-ray room.
5. Incandescent down lighting in control area controlled by separate dimmer located in control area.

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the x-ray system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, surface, recessed, wall mounted and floor raceways, etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories

Emergency:

Emergency power for x-ray equipment, controls, and selected receptacles as determined by the Hospital.

Notes:

1. 480V, 3P-150A circuit breaker, with adjustable trip, shunt trip, flush mounted. . Run empty 50 mm (2" C) from circuit breaker to x-ray duct above finished ceiling.
2. 250V, 2P-30A circuit breaker for film processor, flush mounted.
3. 250 mm x 140 mm (10" W x 5-1/2" D) 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.
4. 250 mm x 140 mm (10" W x 5-1/2" D) x-ray duct above finished ceiling with 250 mm (10") wide screw-on cover. Connect to vertical wall duct.
5. Emergency Power Off pushbutton station. Refer to specific radiology equipment requirements for EPO. Connect to shunt trip at main disconnect.
6. Door switch with NO/NC contacts. Connect to x-ray machine control

- circuit. X-ray machine should shut-off upon opening of the entrance door.
7. Warning light with wording "X-RAY ON DO NOT ENTER". Provide power, interface with x-ray machine via interface relay
 8. X-ray warning light interface relay with low voltage power supply to match x-ray equipment requirements

Laboratory Vacuum:	--
Sanitary Drain:	Yes
Reagent grade Water:	--
Medical Air:	Yes
Medical Vacuum:	Yes
Oxygen:	Yes
Notes:	

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	--
Nurse Call:	--
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	--
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--
Notes:	
PACS:	two 4-port telecommunication outlets per PACS station

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions:	70°F - 75°F (21 °C - 24 °C)
	30% to 60% Relative humidity
Minimum Air Changes per hour:	6
	- Supply Air
100% Exhaust:	No
100% Outside air:	No
Room Air Balance:	Positive
Dedicated Exhaust System:	No
Occupancy:	2 people
AC Load-Equipment:	1,000 Btuh (300W)
AC Load-Lighting:	1.1 W/SF (127 W/M ²)

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project.

PLUMBING AND MEDICAL GASES

Cold Water:	Yes
Hot Water:	Yes
Laboratory Air:	--

CHEST ROOM (XDCS1): Equipment Guide List

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5107	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	

A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00
F0205	Chair, Side With Arms	1	W	Upholstered side chair, 32" high X 21" wide X 23" deep with arms, padded seats and padded backs. Seat height is a minimum of 17". Available with or without sled base.	
F0340	Stool, Self Adjusting	1	W	Self adjusting stool. Consists of a foam padded upholstered seat with attached foot rest for added comfort. Mounted on swivel casters. Designed for doctor's use during examinations.	
F0355	Footstool, Straight	1	W	Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.	
E0948	Cart, General Storage, Mobile, 42"H x 32"W x 22"D	1	W	THIS TYPICAL INCLUDES: 1 Cart Body, Style-A Narrow, w/Raised Edge Top 1 Accessory Rail, Side 2 Drawers, 3" H (76mm) 4 Drawers, 6" H (152mm) Drawer Organizer Bins	
F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
M3070	Hamper, Linen, Mobile, w/Lid	1	W	Mobile linen hamper with hand or foot operated lid. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Holds 25" hamper bags. Mounted on ball bearing casters. For linen transport in hospitals and clinics.	



M4255	Stand, IV, Adjustable	1	W	Adjustable IV stand with 4-hook arrangement. Stand has stainless steel construction with heavy weight base. It adjusts from 66 inches to 100 inches and is mounted on conductive rubber, ball bearing, swivel casters. Stand is used for administering intravenous solutions.	
P3100	Lavatory, Vitreous China, Slab Type	1	CC	Wall mounted, slab type, vitreous china, lavatory (approximate bowl size 7"x15"x10") with: faucet holes on 4" centers; gooseneck spout; wrist blade handles; and grid strainer. It shall be suitable for use in clinics, offices, washrooms or patient care area.	22 40 00
X1405	Stand, Bucky, Vertical, Tilt, Automatic	1	CF?	Vertical and tilting bucky stand. This unit is mounted to the floor and wall to provide a vibration-free mounting platform for the universal bucky. The grid line free radiographs are produced at exposure times as short as two milliseconds. Characteristics and components include aluminum interspaced grid with a 36 inch (914 mm) to 40 inch (1016 mm) focal range. The unit's cassette size sensing tray accommodates all cassette sizes between 5 and 17 inches. The unit tilts at angles of +90/-20 degrees from the vertical position. The unit is used in X-ray facilities for processing radiography images.	
X3150	Rack, Apron/Gloves, Wall Mounted	1	CC	Apron and gloves rack. This is a wall unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum. The unit's convenient on wall storage will prolong the useful life of your protection aprons by helping prevent damage to internal components.	?

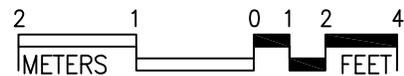
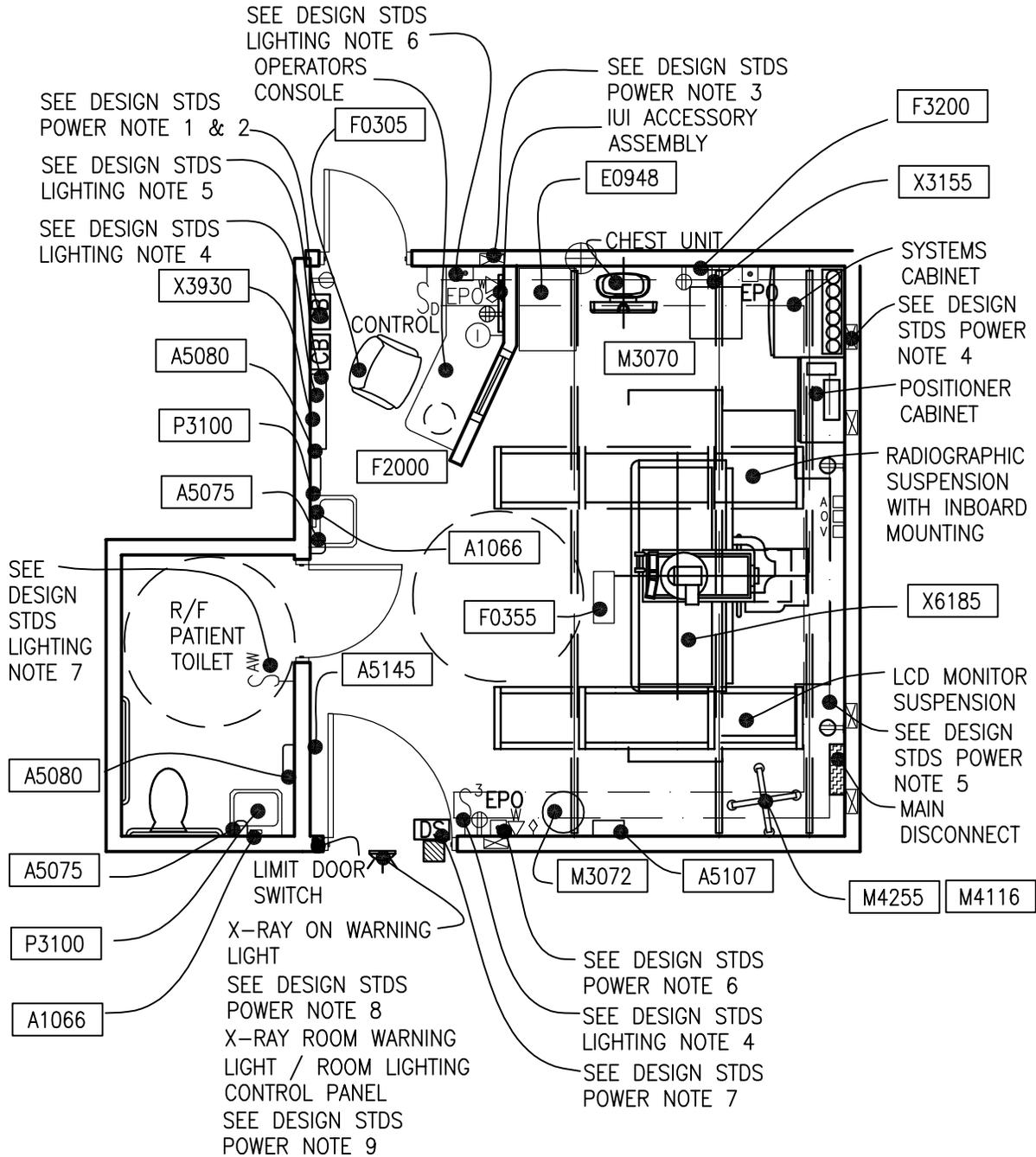
X5100	Radiographic Unit, 80 kW, Chest, Digital	1	CF?	<p>Digital chest system designed solely for making x-ray exposures of the chest. Patients can be standing, seated or lying on their sides. Patient through put is approximately 60 exposures per hour. The configuration of the system consists of a detector subsystem, image processing system, 80 kW high frequency x-ray generator and ceiling suspension or floor mounted column for the x-ray tube. The system shall be DICOM 3.0 compatible, for easy linkage to filmless image management systems and review stations.</p>	
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Radiographic/Fluoroscopic Room (XDRF1)

320 NSF

Floor Plan

29.8 NSM



3/16" = 1'-0"

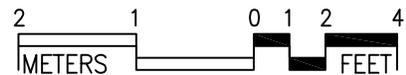
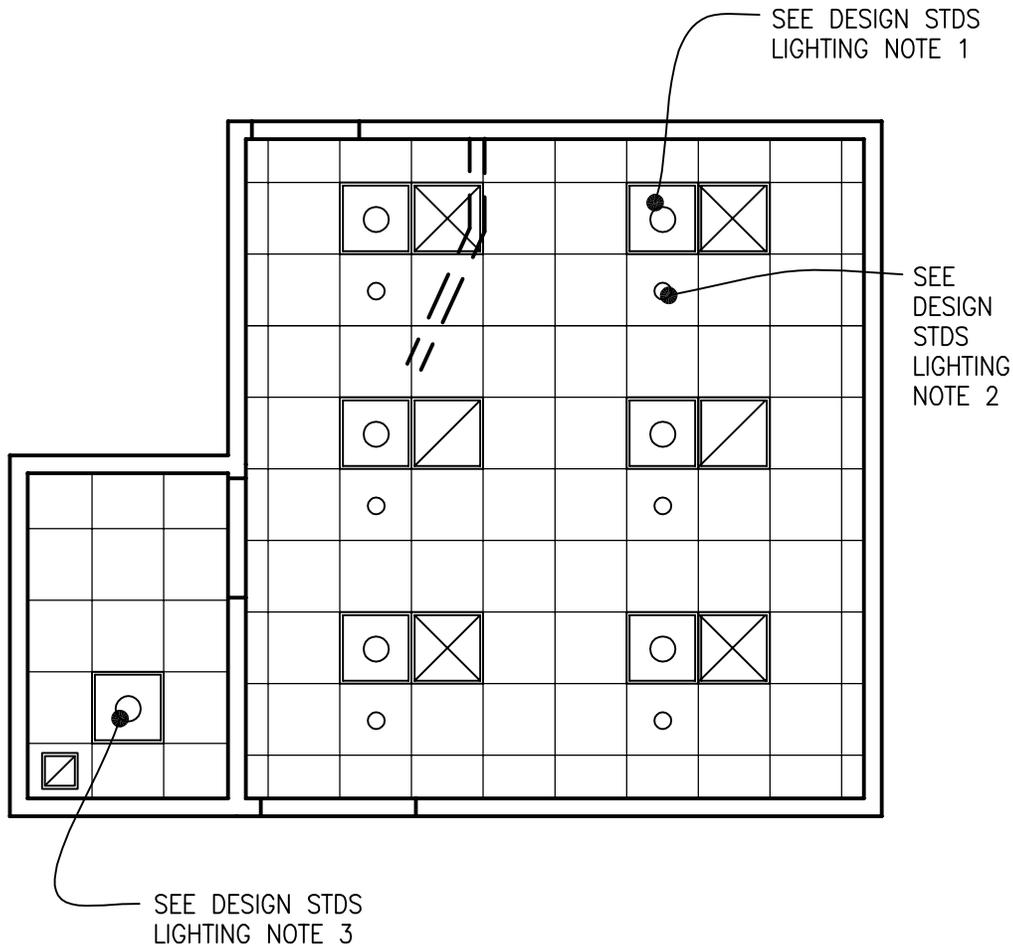
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Radiographic/Fluoroscopic Room (XDRF1)

320 NSF

Reflected Ceiling Plan

29.8 NSM



The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

RADIOGRAPHIC / FLUOROSCOPIC ROOM (XDRF1): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Resilient Base / Cove
Floor Finish:	Sheet Vinyl
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide shielded door into the Radiographic / Fluoroscopic Room.
2. Provide a shielded viewing window from the Control Area to the Radiographic / Fluoroscopic Room.

LIGHTING

Fluoroscopic Room:

General: Fluorescent lights will provide higher illumination level up to 100 FC during patient transfer on and from the table, equipment setting, contrast agent injection, etc, and room cleaning and equipment maintenance. The general illumination is switched off during scanning procedure.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 2 FC during scanning for image viewing on monitor.

Luminaires shall be located to avoid conflict with radiographic equipment ceiling rails.

R/F Toilet Room:

Fluorescent light will provide illumination up to 30 FC.

Notes:

1. 2'x2' fluorescent recessed luminaire, acrylic prismatic lens, with (3) FB031T8-U lamps, 4100 K, CRI=85 (minimum)
2. 8-inch diameter recessed incandescent downlight, with recessed Fresnel lens, and

150W/A21 inc. horizontally mounted lamp. --

3. 2'x2' Fluorescent recessed luminaire, acrylic prismatic lens, with (3) F14T5 lamps, 3500 K, CRI=82 (minimum)
4. 3-way switch for fluorescent lights control, located at entrance door and in control area
5. Dimmer switch for X-ray room down lights control
6. Dimmer switch for control area down light
7. Occupancy sensor for automatic light control; switchbox type, wall mounted

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the x-ray system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, surface, recessed, wall mounted and floor raceways, etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories.

Emergency: --
Emergency power for x-ray equipment, controls, and selected receptacles as determined by the Hospital

Notes:

1. 480V, 3P-150A circuit breaker, with adjustable trip, shunt trip, flush mounted. Run empty 50 mm (2" C) from circuit breaker to x-ray duct above finished ceiling.
2. 250V, 2P-30A circuit breaker for film processor, flush mounted.
3. 250 mm x 140 mm (10" W x 5-1/2" D) flush vertical wall duct with 300 mm (12") wide screw-on cover. Connect to floor duct and to x-ray duct above finished ceiling.

4. 250 mm x 140 mm (10" W x 5-1/2" D) 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.
5. 250 mm x 140 mm (10" W x 5-1/2" D) x-ray duct above finished ceiling with 250 mm (10") wide screw-on cover. Connect to vertical wall duct.
6. Emergency Power Off pushbutton station. Refer to specific radiology equipment requirements for EPO. Connect to shunt trip at main disconnect.
7. Door switch with NO/NC contacts. Connect to x-ray machine control circuit. X-ray machine should shut-off upon opening of the entrance door.
8. Warning light with wording "X-RAY ON DO NOT ENTER". Provide power, interface with x-ray machine via interface relay.
9. X-ray warning light interface relay with low voltage power supply to match x-ray equipment requirements

(21 °C - 24 °)
 30% to 60% Relative humidity
 Minimum Air Changes per hour: 6
 - Supply Air
 100% Exhaust: Yes, Radiographic Room and Toilet
 100% Outside air No-
 Room Air Balance: Negative for Radiographic Room and Toilet
 Dedicated Exhaust System: No
 Occupancy: 4 people
 AC Load-Equipment: 13,500 Btuh (4000 W)
 AC Load-Lighting: 1.5 W/SF (16 W/M²)

Notes:

1. Verify cooling loads and other requirements with the equipment manufacturer on a specific project.

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:

COMMUNICATION/SPECIAL SYSTEMS

ADP: Yes
 Data: Yes
 Telephone: Yes
 Intercom: Yes
 Nurse Call: Note 1
 Public Address: --
 Radio/Entertainment: --
 MATV: --
 CCTV: --
 MID: --
 Security/Duress: --
 VTEL: --
 VA Satellite TV: --

Notes:

1. Nurse call in toilet room to annunciate in scanning room and at reception desk.
2. PACS:two 4-port telecommunication outlets per PACS station

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions: 70 °F - 75 °F

RADIOGRAPHIC / FLUOROSCOPIC ROOM (XDRF1): Equipment Guide List

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5107	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00

E0948	Cart, General Storage, Mobile, 42"H x 32"W x 22"D	1	W	THIS TYPICAL INCLUDES: 1 Cart Body, Style-A Narrow, w/Raised Edge Top 1 Accessory Rail, Side 2 Drawers, 3" H (76mm) 4 Drawers, 6" H (152mm) Drawer Organizer Bins	
F0205	Chair, Side With Arms	1	W	Upholstered side chair, 32" high X 21" wide X 23" deep with arms, padded seats and padded backs. Seat height is a minimum of 17". Available with or without sled base.	
F0340	Stool, Self Adjusting	1	W	Self adjusting stool. Consists of a foam padded upholstered seat with attached foot rest for added comfort. Mounted on swivel casters. Designed for doctor's use during examinations.	
F0355	Footstool, Straight	1	W	Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.	
F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
M3070	Hamper, Linen, Mobile, w/Lid	1	W	Mobile linen hamper with hand or foot operated lid. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Holds 25" hamper bags. Mounted on ball bearing casters. For linen transport in hospitals and clinics.	
M3072	Frame, Infectious Waste Bag w/Lid	C	1	Frame for an infectious waste collection bag. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Adjust to hold 18" or 25" trash bags. Mounted on ball bearing casters and includes permanently mounted hinged lid. Provides means of bagging infectious waste at point of waste generation.	
M4116	Monitor, Vital Signs	C	1	Electronic sphygmomanometer. LCD displays non-invasive blood pressure, pulse rate and temperature. Used in hospitals and clinics. Includes an optional mobile stand.	

M4255	Stand, IV, Adjustable	C	1	Adjustable IV stand with 4-hook arrangement. Stand has stainless steel construction with heavy weight base. It adjusts from 66 inches to 100 inches and is mounted on conductive rubber, ball bearing, swivel casters. Stand is used for administering intravenous solutions.
P3100	Lavatory, Vitreous China, Slab Type	A	1	Wall mounted, slab type, vitreous china, lavatory (approximate bowl size 7"x15"x10") with: faucet holes on 4" centers; gooseneck spout; wrist blade handles; and grid strainer. It shall be suitable for use in clinics, offices, washrooms or patient care area.
X1400	Holder, Cassette, Vertical, With Bucky	F	1	Vertical cassette holder. Includes counterbalanced cabinet holder, vertical multi-sided capability with three field automatic exposure control and automatic collimation control. The unit is available in either right or left hand loading. Sturdy box girder construction, with nylon bearings and dual lock system. The unit is used in X-ray departments for holding film cassettes during radiographic procedures. Specify right or left hand cassette loading when ordering.
X2605	Camera, Identification, Film	C	1	Film identification camera for use with cassettes like the Kodak C1. Cannot be used for C2 (Windowless) cassettes. This unit works in normal room lighting, transferring patient I.D. data from a card to X-ray film. The I.D. appears as light type on a dark background; exposure time is approximately one second.
X3155	Rack, Apron/Gloves, Mobile	C	1	Apron and gloves rack. This is a mobile unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum.
X3930	Illuminator, Film, Single, Wall Mounted	C	1	Single film illuminator approximately 20"H x 17"W x 5"D. This is a single panel wall mounted unit. Characteristics and components include, two 15 watt fluorescent tubes; gravity grip film holder, constructed of corrosion resistant galvanized steel with stainless steel trim, and a clean uncluttered appearance. This unit is used to view X-ray film in hospitals and doctors offices.

X6185	Rad/Fluoro Unit, Remote, 80 kW, 90/90 Table	F	1	<p>This system is specifically designed to perform radiographic/fluoroscopic examinations in the Radiology Department. On-line digital image processing will provide instant availability of images for review via infrared remote control. This units characteristics and components include, 80 kW micro-processor controlled X-ray generator, remote-controlled 90/90 table with 15" multi-field Image Intensifier and integrated tube support. The Digital Spot Imaging consists of a computer, keyboard with acquisition, viewing monitor and a slave monitor. The system shall be DICOM 3.0 compatible, for easy linkage to filmless image management systems and review stations. It is recommended that the TV monitors be ceiling suspended.</p>	
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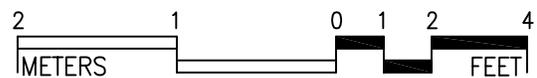
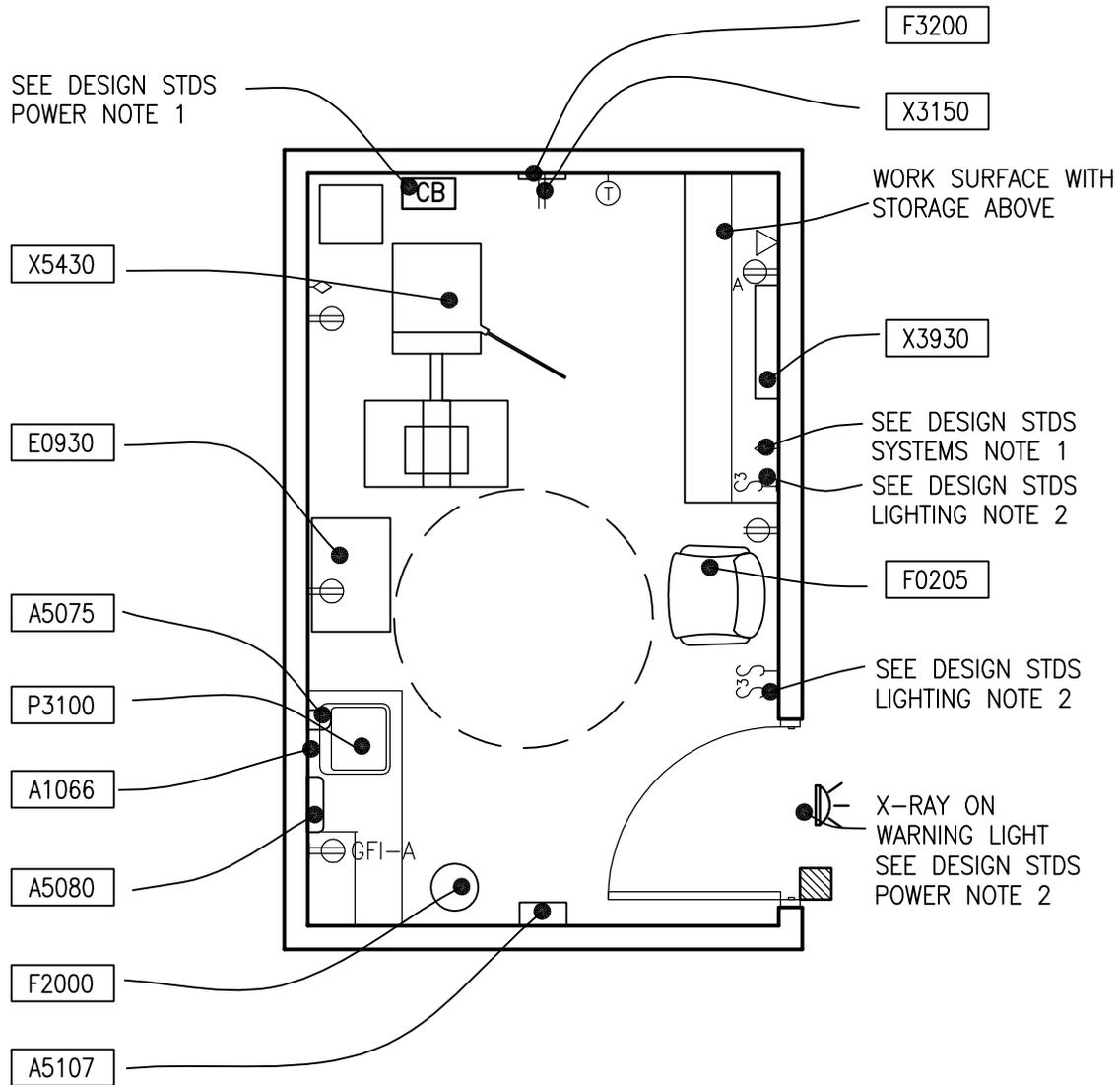


Mammography Room (XDM01)

160 NSF

Floor Plan

14.9 NSM



1/4" = 1'-0"

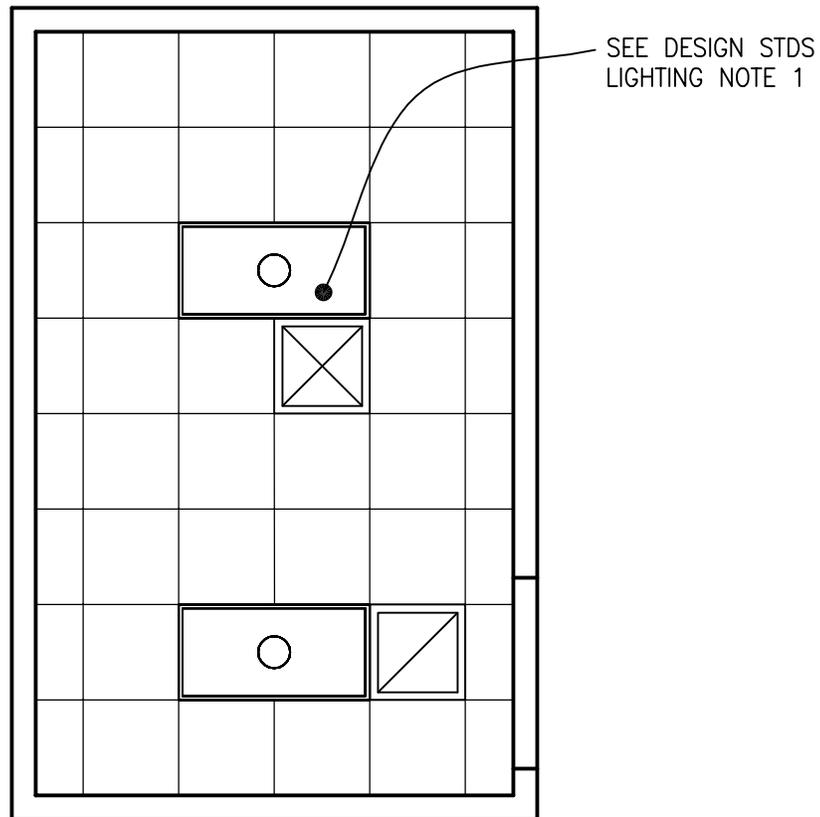
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

Mammography Room (XDM01)

160 NSF

Reflected Ceiling Plan

14.9 NSM



The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

MAMMOGRAPHY ROOM (XDM01): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Vinyl
Floor Finish:	Vinyl
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide door into the Mammography Room.

LIGHTING

General: Fluorescent lights will provide illumination level up to 40 FC during patient transfer, equipment setting, room cleaning, and equipment maintenance.

Special: Luminaires shall be dual switched for multi-level illumination. Lower illumination levels will enhance skin appearance and patient comfort.

Notes:

1. 2'x4' fluorescent recessed luminaire, acrylic prismatic lens, with (3) F32T8 lamps, 4100 K, CRI=85 (minimum)
2. Lighting controlled by 3-way switches located at entrance door and in control area

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the x-ray system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, recessed, wall mounted raceways, etc., as required at the various junction boxes, and conduit terminations to allow proper connections of the mammography equipment and related accessories.

Emergency: --

Notes: --

1. 250V, 2P-30A circuit breaker flush mounted for mammography unit.
2. Warning light with wording "X-RAY ON DO NOT ENTER." Provide power, interface with X-Ray machine via interface relay.

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	--
Nurse Call:	--
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	--
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--

Notes:

1. PACS: two 4-port telecommunication outlets per PACS station

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions:	70°F - 75°F (21°C - 24°C)
	30% to 60% Relative humidity
Minimum Air Changes per hour:	6
	- Supply Air
100% Exhaust:	No
100% Outside air:	No
Room Air Balance:	Positive
Dedicated Exhaust System:	No
Occupancy:	3 people
AC Load-Equipment:	3,000 Btuh – 6,500 Btuh (900W- 1,800 W)
AC Load-Lighting:	1.2 W/SF (13 W/M ²)

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project

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:



MAMMOGRAPHY ROOM (XDM01): Equipment Guide List

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5107	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00



A5180	Track, Cubicle, Surface Mounted, With Curtain	1	CC	Surface mounted cubicle track, with curtain. Track constructed of thick extruded aluminum. Equipped with self lubricating carriers, beaded drop chain hooks, and flame resistant curtain. To include removable end caps. Designed to be suspended around patient areas where privacy is needed. Price listed is per foot of the track, curtains to be priced per quote.	10 21 16
E0930	Locker, Supply, 6 Drawers, Mobile, 29"W x 20"D	1	W	THIS TYPICAL INCLUDES: 1 Mobile Supply Locker 2 Tray/Shelf 3 Drawers, 3"H (76mm) 3 Drawers, 6"H (152mm) Drawer Organizer Bins	
F2000	Basket, Wastepaper, Round, Metal	1	VV	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F0205	Chair, Side With Arms	1	W	Upholstered side chair, 32" high X 21" wide X 23" deep with arms, padded seats and padded backs. Seat height is a minimum of 17". Available with or without sled base.	
F3200	Clock, Battery, 12" Diameter	1	VV	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
P3100	Lavatory, Vitreous China, Slab Type	1	CC	Wall mounted, slab type, vitreous china, lavatory (approximate bowl size 7"x15"x10") with: faucet holes on 4" centers; gooseneck spout; wrist blade handles; and grid strainer. It shall be suitable for use in clinics, offices, washrooms or patient care area.	22 40 00
X3150	Rack, Apron/Gloves, Wall Mounted	1	CC	Apron and gloves rack. This is a wall mounted unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum.	



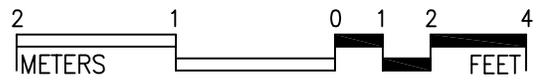
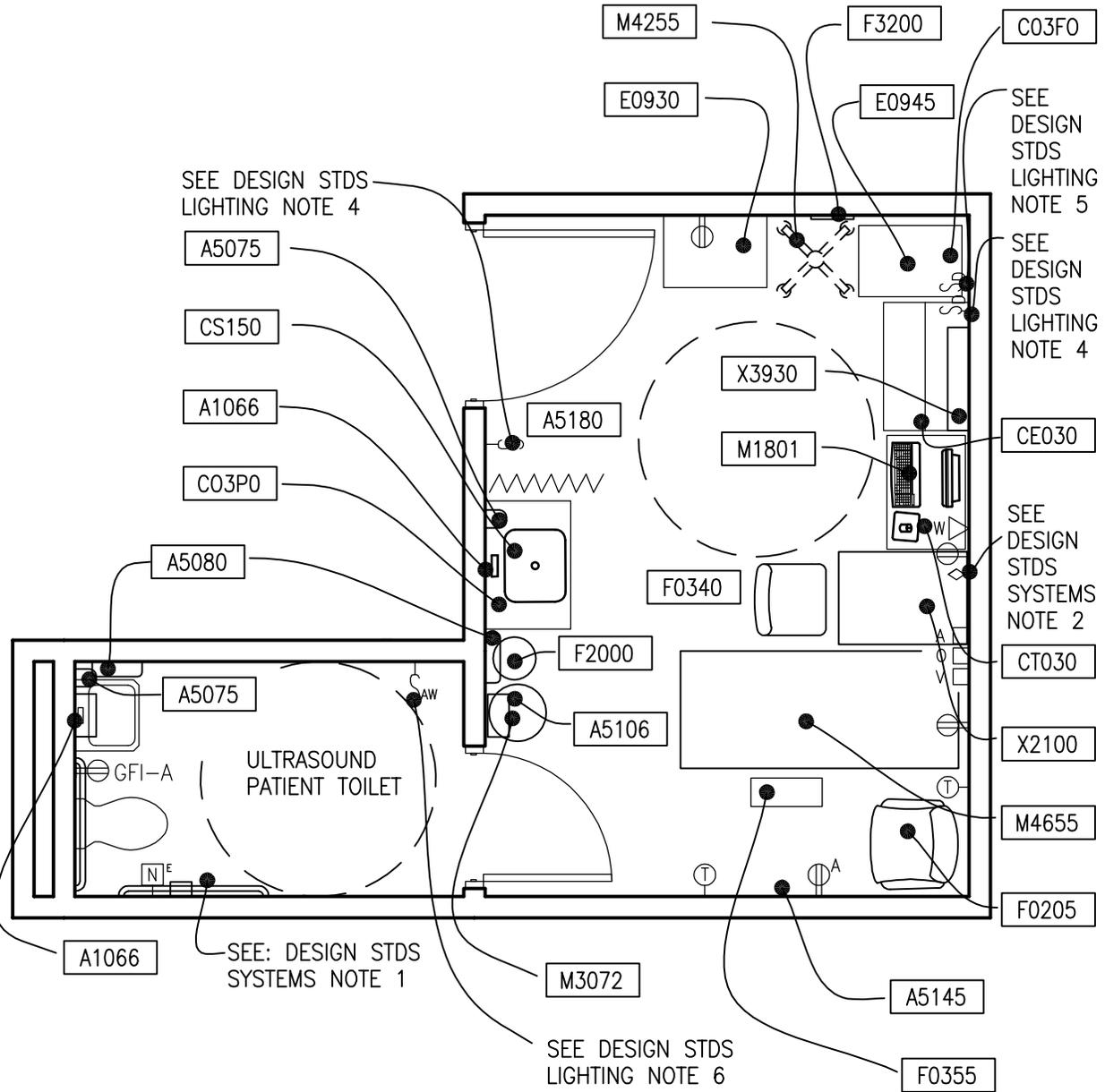
<p>X5430 (does this need a new JSN if the equipment is digital?)</p>	<p>Radiographic Unit, Mammographic</p>	<p>1</p>	<p>CF?</p>	<p>This system is specifically designed, both electronically and mechanically, to meet the recommended American College of Radiology (ACR) "Specifications for New Mammography Equipment". The system is a computer controlled, menu-driven unit for exclusive use in mammography examination procedures. The examination can be performed on standing, seated or recumbent patients. Shall have stereotactic biopsy capability if this option is selected.</p>	
<p>X3930</p>	<p>Illuminator, Film, Double, Wall Mounted</p>	<p>1</p>	<p>W</p>	<p>X-ray film illuminator approximately 20' H x 29' W x 6" D. This is a double, wall mounted type unit with a continuous viewing surface. The tension film grips are adjustable top and bottom with standard grip strip. The unit's balanced-light viewing is assured by the 32W circular fluorescent lamp. It provides 500 feet candles of cool operation across the entire 14" X 17" viewing surface. It is available with or without film-activated switch. The unit can be used in hospitals, examining rooms, satellite office or lab.</p>	

Ultrasound Room (XDUS1)

180 NSF

Floor Plan

16.8 NSM



1/4" = 1'-0"

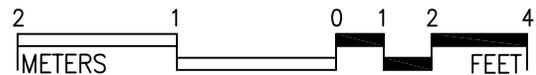
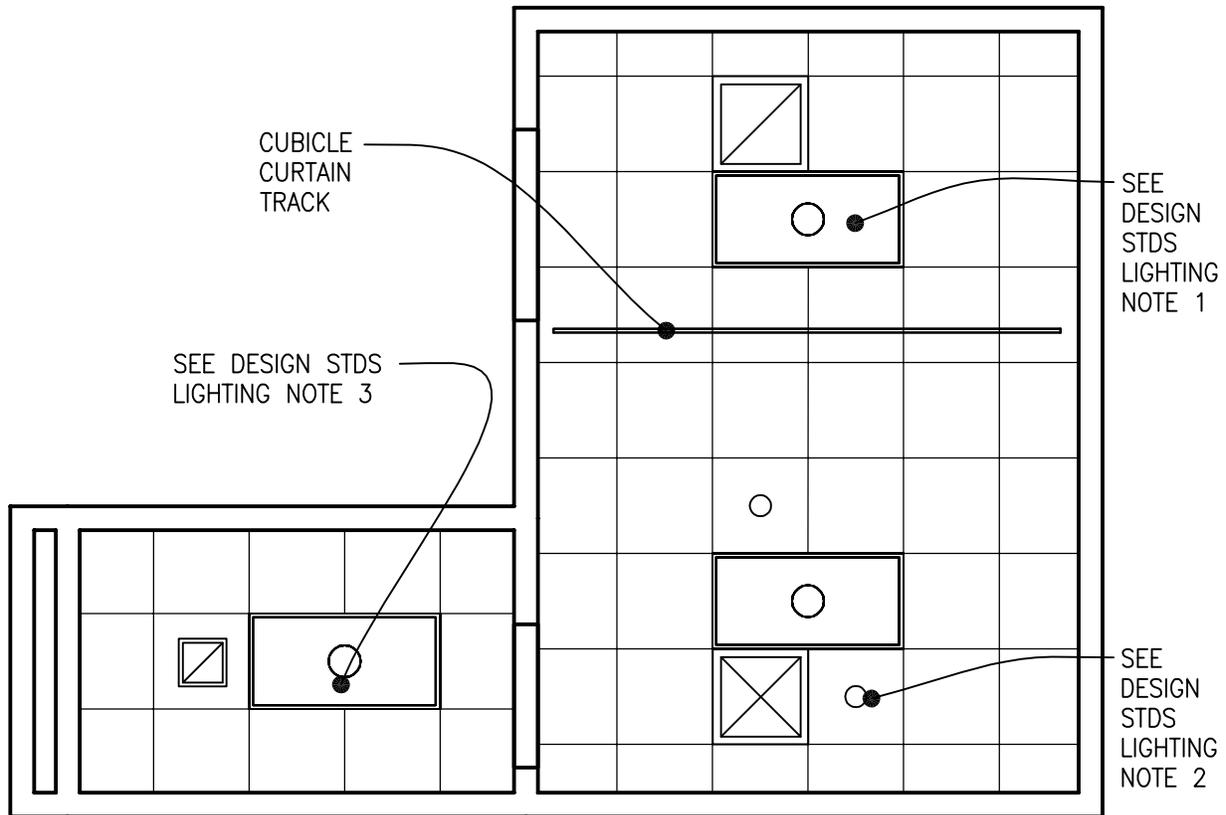
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

Ultrasound Room (XDUS1)

180 NSF

Reflected Ceiling Plan

16.8 NSM



1/4" = 1'-0"

The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

ULTRASOUND ROOM (XDUS1): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Vinyl
Floor Finish:	Vinyl Composition Tile
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide door into the Ultrasound Room.

LIGHTING

Ultrasound Room:

General: Fluorescent lights will provide illumination level up to 40 FC during patient transfer on and from the table, equipment setting, room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 5 FC during scanning. Warmer light color will enhance skin appearance and patient comfort. Luminaires shall be located to avoid direct glare for patient comfort.

Ultrasound Toilet Room:

Fluorescent light will provide illumination up to 20 FC.

Notes:

1. 2'x4' Fluorescent recessed luminaire, acrylic prismatic lens, with (3) F32T8 lamps, 3500 K, CRI=82 (minimum)
2. 8-inch diameter recessed incandescent down light, with recessed Fresnel lens, and 150W/A21 inc. horizontally mounted lamp.
3. 2'x2' Fluorescent recessed luminaire, acrylic prismatic lens, with (3) F14T5 lamps, 4100 K, CRI=85 (minimum)

4. 3-way switch for fluorescent lights control, located at entrance door and at control area
5. Dimmer for incandescent down lights control
6. Occupancy sensor for automatic light control; switchbox type, wall mounted

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the ultrasound system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, recessed, wall mounted raceways, etc., as required at the various junction boxes, and conduit terminations to allow proper connections of the ultrasound equipment and related accessories.

Emergency: --

Notes:

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	--
Nurse Call:	--
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	--
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--

Notes:

1. Nurse call in toilet room to annunciate at local reception desk and outside of the toilet room.
2. PACS:two 4-port telecommunication outlets per PACS station

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions: 70°F - 75°F
 (21°C - 24°C)
 30% to 60% Relative humidity
 Minimum Air Changes per hour: 8
 - Supply Air
 100% Exhaust: Toilet Room
 100% Outside air No
 Room Air Balance: Positive for Ultrasound,
 Negative for Toilet Room
 Dedicated Exhaust System: No
 Occupancy: 3 people
 AC Load-(Equipment): 3,600 Btuh –
 4,800 Btuh
 (1,050W- 1,400 W)
 AC Load-Lighting: 1.1 W/SF (12 W/M²)

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project.

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:

ULTRASOUND ROOM (XDUS1): Equipment Guide List

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame, 36x18	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5106	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00

A5180	Track, Cubicle, Surface Mounted, With Curtain	1	CC	Surface mounted cubicle track, with curtain. Track constructed of thick extruded aluminum. Equipped with self lubricating carriers, beaded drop chain hooks, and flame resistant curtain. To include removable end caps. Designed to be suspended around patient areas where privacy is needed. Price listed is per foot of the track, curtains to be priced per quote.	10 21 16
C03F0	Cabinet, U/C/B, 1 Shelf, 2 Half DR, 2 DO, 36x30x22	1	CC	Standing height under counter base cabinet with an adjustable shelf and two half width drawers above solid hinged doors. Also referred to as a combination cabinet or a drawer and cupboard cabinet. For general purpose use throughout the facility.	12 32 00
C03P0	Cabinet, Sink, U/C/B, 2 Door, 30" W	1	CC	Standing height under counter base sink cabinet. 36" H x 30" W x 22" D with two solid hinged doors. Also referred to as a double-door sink cabinet. For general purpose use throughout the facility where a sink is to be used. Coordinate actual clear cabinet dimension with the actual outside dimension of sink that is specified to ensure that they are compatible.	22 44 00
CE030	Cabinet, W/H, 2 SH, 2 GDO, Sloping Top, 38x30x13	1	CC	Wall hung cabinet with two adjustable shelves, solid hinged doors, and sloping top. Also referred to as a solid hinged double door wall case. For general purpose use throughout the facility.	22 44 00
CS150	Sink, SS, Single Compartment, 10x19x16 ID	1	CC	Single compartment stainless steel sink, drop-in, self-rimming, ledge-type, connected with a drain and provided with a mixing faucet. It shall also be provided with pre-punched fixture holes on 4" center, integral back ledge to accommodate deck-mounted fixtures, brushed/polished interior and top surfaces, and sound deadened. Recommended for use in suspended or U/C/B sink cabinets having a high plastic laminate or Chemsurf laminate countertop/work surface. Coordinate actual outside sink dimensions with the actual clear dimension of cabinet specified to ensure that they are compatible. For general purpose use throughout the facility.	22 44 00

CT030	Countertop, High Pressure Laminate	5	CC	High pressure laminate countertop (composition of wood particle core with plastic laminate surface) having a hard smooth surface finish, standard thickness of 1", and a 4" butt backsplash/curb. Also referred to as a work surface or work top. Available in a wide choice of colors, patterns, and depths. Used in general purpose areas requiring a basic work surface arrangement with limited heat resistance and poor chemical resistance. Pricing based upon a 24" depth.	12 36 00
E0930	Locker, Supply, 6 Drawers, Mobile, 29"W x 20"D	1		THIS TYPICAL INCLUDES: 1 Mobile Supply Locker 2 Tray/Shelf 3 Drawers, 3"H (76mm) 3 Drawers, 6"H (152mm) Drawer Organizer Bins	
E0945	Cart, Computer, Mobile, 36"H x 32"W x 22"D	1		THIS TYPICAL INCLUDES: 1 Cart Body, Style-A Narrow, w/Raised Edge Top 1 Flip-Up Shelf 1 Sharps Container Holder 1 Wastebasket and Holder 1 Chart Holder 2 Drawers, 3"H (76mm) 2 Drawers, 6"H (152mm) Drawer Organizer Bins	
F0205	Chair, Side With Arms	1		Upholstered side chair, 32" high X 21" wide X 23" deep with arms, padded seats and padded backs. Seat height is a minimum of 17". Available with or without sled base.	
F0340	Stool, Self Adjusting	1		Self adjusting stool. Consists of a foam padded upholstered seat with attached foot rest for added comfort. Mounted on swivel casters. Designed for doctor's use during examinations.	
F0355	Footstool, Straight	1		Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.	



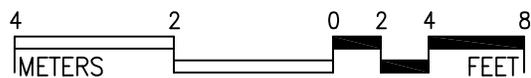
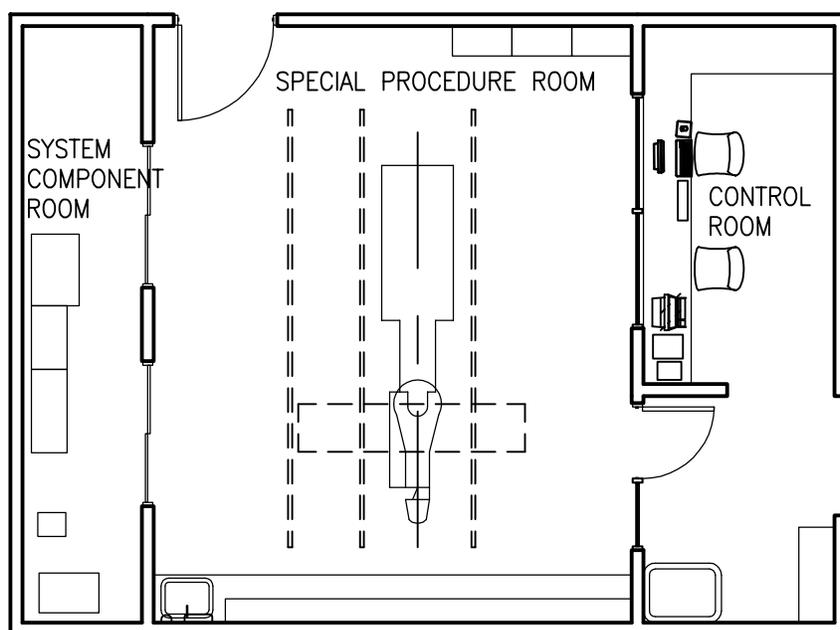
F2000	Basket, Wastepaper, Round, Metal	1		Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F3200	Clock, Battery, 12" Diameter	1		Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
M0755	Flowmeter, Oxygen, Low Flow	1		Oxygen flowmeter. Consists of a clear crystal flowtube calibrated to 3.5 or 8 LPM depending on manufacturer. For oxygen regulation in hospital settings. Database pricing includes DISS fitting and DISS power outlet and wall adapter. Other fitting and adapter configurations are available.	
M0765	Regulator, Vacuum	1		Vacuum pressure regulator for connection to central piped vacuum system. Standard display scale is graduated at least from 0 to 200 mm Hg of vacuum. Displays on specialized regulators may cover other vacuum ranges. Regulator type (continuous, intermittent, continuous/intermittent, surgical, pediatric, thoracic, etc.) as required. To be used in delivery, neonatal, pediatrics or any area where suction is required. Database pricing reflects continuous regulators graduated to 200 mm Hg with a full line vacuum selection switch and DISS configured inlets and outlets.	
M1620	Holder, Chart, Patient, Wall or Door Mounted	1	CC	Wall or door mounted patient chart holder. Constructed of durable plastic or metal. Used for holding patient records. Size as required.	



M1801	Computer, Microprocessing, w/Flat Panel Monitor	1		Desk top microprocessing computer. The unit shall consist of a central processing mini tower, flat panel monitor, keyboard, mouse and speakers. The system shall have the following minimum characteristics: a 2.8 GHz Pentium processor; 512 MB memory; 80GB hard drive; 32/48x CD-ROM/DVD combo; a 3.5" floppy drive; 1.44MB network interface card; video 32 MB NVIDIA; a 15 inch flat panel color monitor. The computer is used throughout the facility to input, manipulate and retrieve information.	
M3072	Frame, Infectious Waste Bag w/Lid	1		Frame for an infectious waste collection bag. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Adjust to hold 18" or 25" trash bags. Mounted on ball bearing casters and includes permanently mounted hinged lid. Provides means of bagging infectious waste at point of waste generation.	
M4255	Stand, IV, Adjustable	1		Adjustable IV stand with 4-hook arrangement. Stand has stainless steel construction with heavy weight base. It adjusts from 66 inches to 100 inches and is mounted on conductive rubber, ball bearing, swivel casters. Stand is used for administering intravenous solutions.	
M4266	Pump, Volumetric, Infusion, Multiple Line	1		Volumetric infusion pump. Pump is self-regulating with automatic sensor and adjustable rate. Equipped with visual and audible alarms and up to 10 hour capacity battery. For the administration of a wide variety of therapeutic agents where precise control is required. Unit provides individual control to IV lines simultaneously.	
M4655	Stretcher, Mobile, CRS, 9 Position	1		Mobile stretcher. All corrosion resistant stainless steel construction. It consists of a tubular frame with side rails, a 9-position hydraulic base with pneumatic fowler adjustment, and a 2" pad. Unit is mounted on 8" conductive casters. Designed for patient transport as well as for minor surgical procedures.	

M8810	Stand, Mayo	1		Adjustable instrument table. Table is corrosion resistant stainless steel construction and is mounted on two casters with two skid rails. It has telescopic upright adjusts from 39 inches to 60 inches with automatic locking device, and removable 13"x19" instrument tray. Designed for use in operating and procedure rooms.	
X2100	Scanner, Ultrasound, General Purpose	1		High definition, diagnostic ultrasound system for Radiology, Cardiology, Vascular, ob-gyn, Perinatology, and Surgical imaging applications. The unit employs curved, phased and linear array imaging technology. The system supports colorflow, pulse and continuous wave imaging modalities. On board software measurement packages available for all imaging applications. The system is DICOM 3.0 compatible, for easy linkage to filmless image management systems and review stations. In addition, a full line of probes and conventional recording devices are available.	
X3930	Illuminator, Film, Double, Wall Mounted	1	W	X-ray film illuminator approximately 20' H x 29' W x 6" D. This is a double, wall mounted type unit with a continuous viewing surface. The tension film grips are adjustable top and bottom with standard grip strip. The unit's balanced-light viewing is assured by the 32W circular fluorescent lamp. It provides 500 feet candles of cool operation across the entire 14" X 17" viewing surface. It is available with or without film-activated switch. The unit can be used in hospitals, examining rooms, satellite office or lab.	

IR Suite
Key Plan



1/8" = 1'-0"

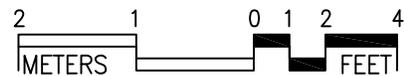
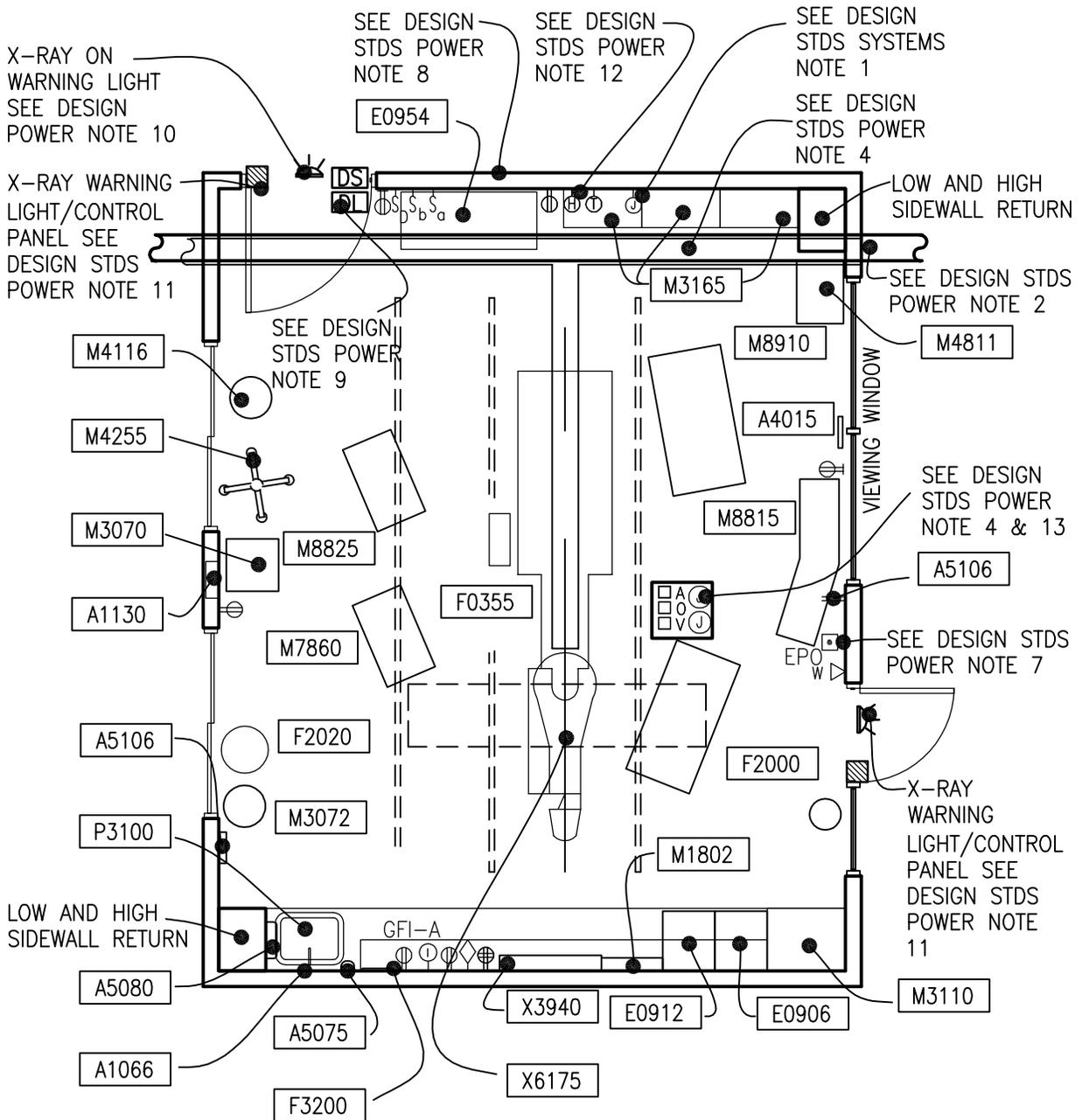
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

IR Special Procedure Room (XABP1)

500 NSF

Floor Plan

46.5 NSM



3/16" = 1'-0"

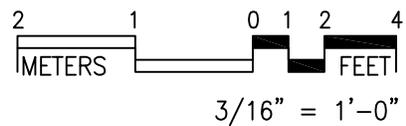
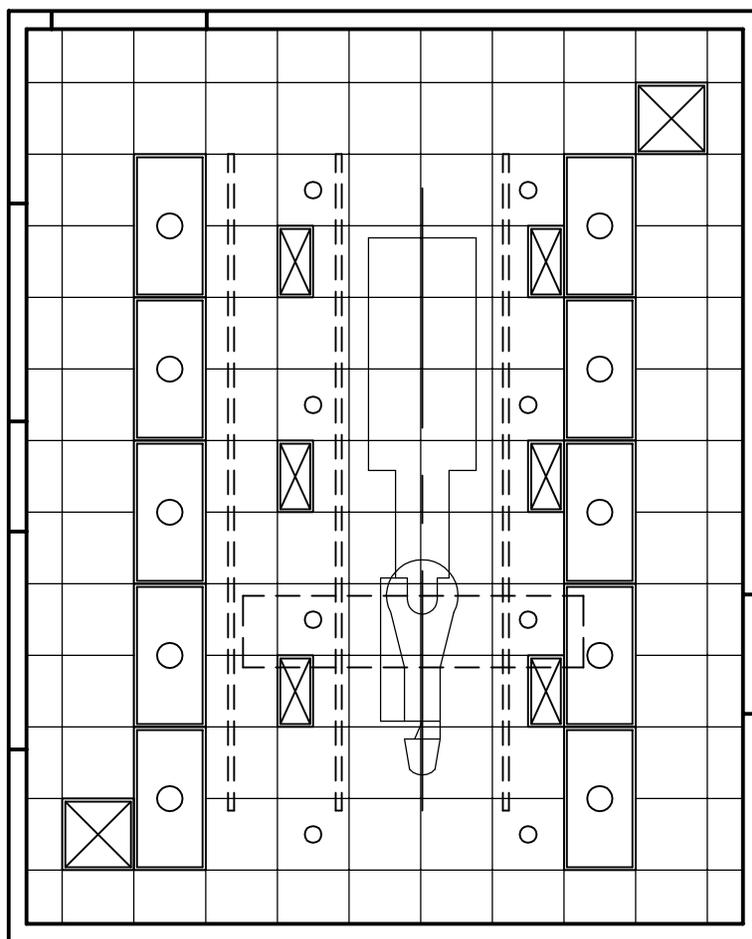
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IR Special Procedure Room (XABP1)

500 NSF

Reflected Ceiling Plan

46.5 NSM



The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

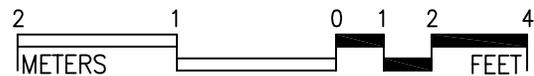
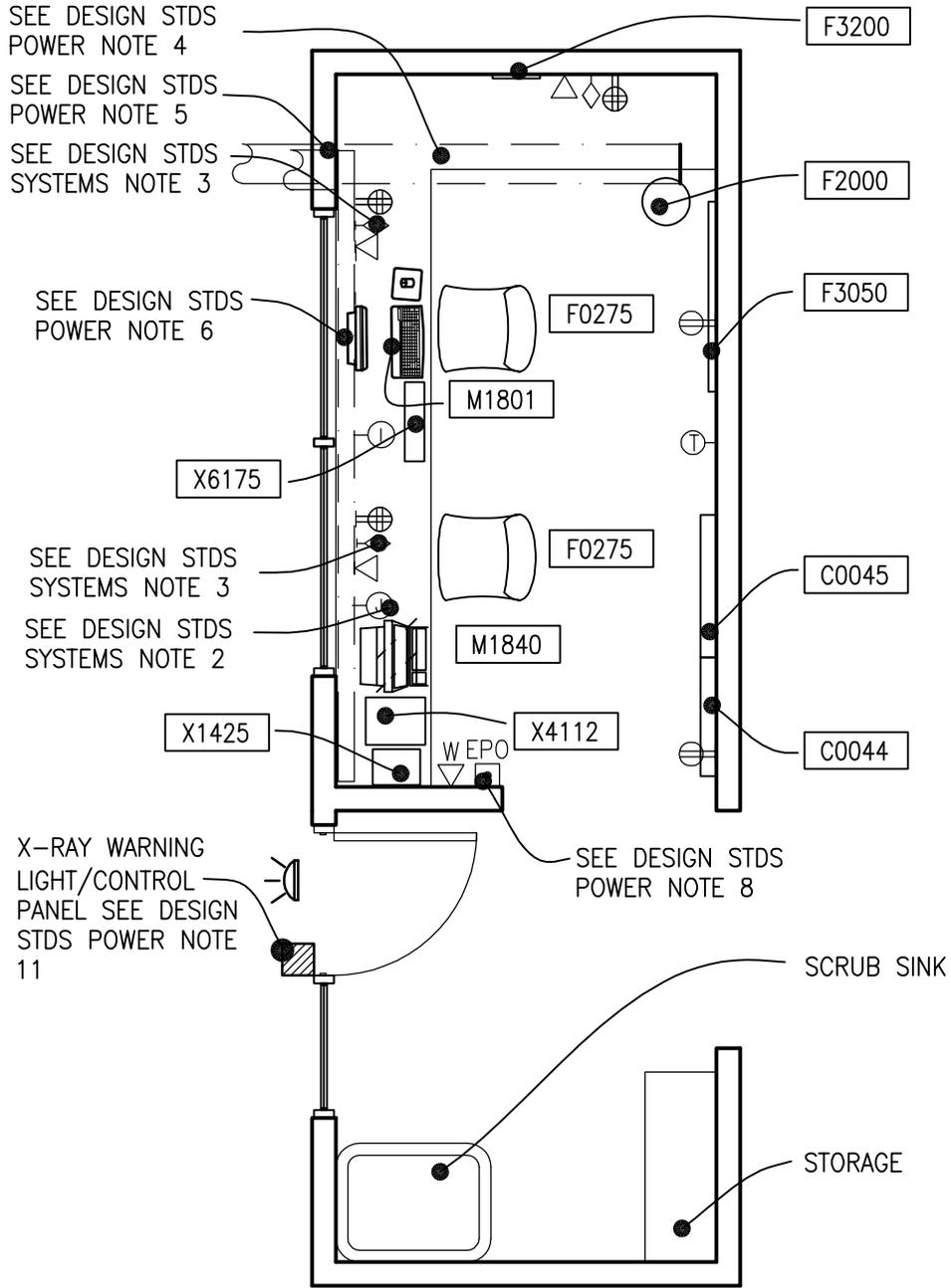
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IR Special Procedure Control Room (XACR1)

120 NSF

Floor Plan

11.2 NSM



1/4" = 1'-0"

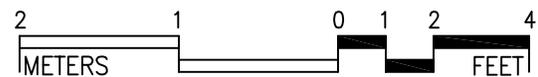
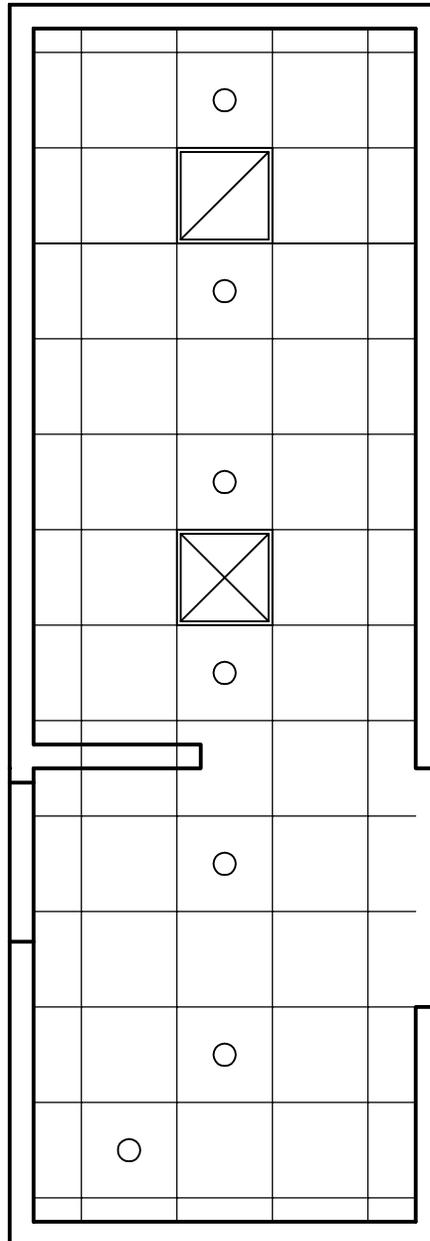
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IR Special Procedure Control Room (XACR1)

120 NSF

Reflected Ceiling Plan

11.2 NSM



$1/4" = 1'-0"$

The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

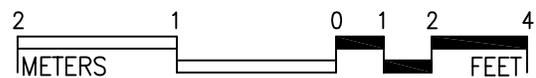
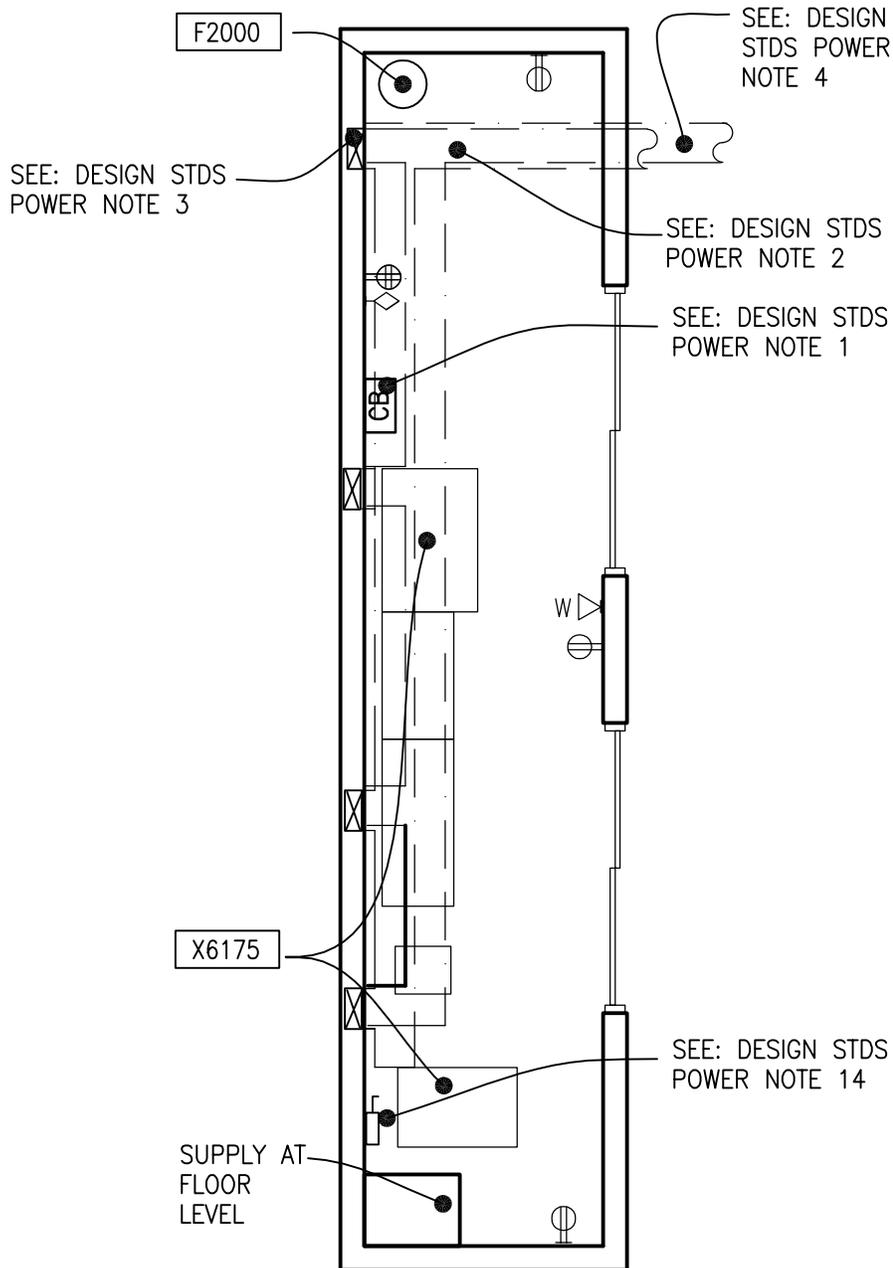
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IR Special Procedure System Component Room (XACV1)

120 NSF

Floor Plan

11.2 NSM



1/4" = 1'-0"

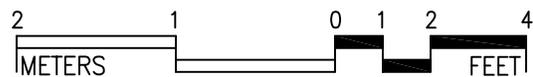
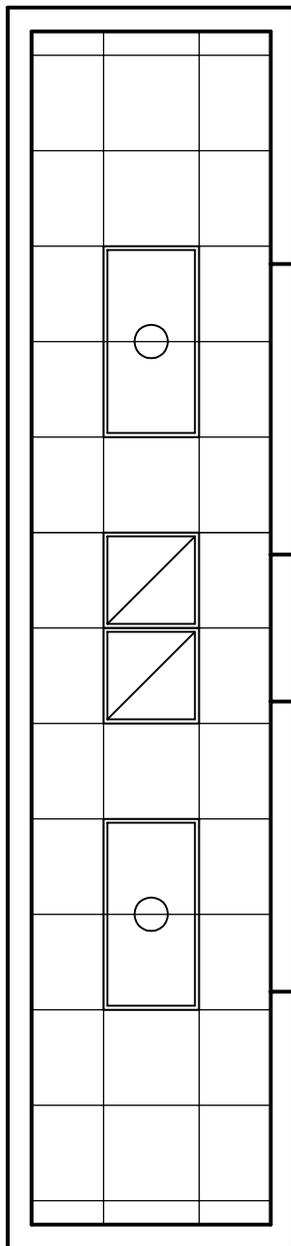
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IR Special Procedure System Component Room (XACV1)

120 NSF

Reflected Ceiling Plan

11.2 NSM



$1/4" = 1'-0"$

The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

INTERVENTIONAL RADIOLOGY (XACV1, XABP1, & XACR1): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile
Ceiling Height:	Coordinate with Equipment Manufacturer
Wall Finish:	Paint
Wainscot:	--
Base:	Resilient Base / Cove
Floor Finish:	Sheet Vinyl
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide shielded door into the Special Procedure Room
2. Provide a shielded viewing window from the Special Procedure Room Control Room to the Special Procedure Room.

LIGHTING

Special Procedure Room:

General: Fluorescent lights will provide higher illumination level up to 150 FC during patient transfer, procedure equipment setting, room cleaning and equipment maintenance. Luminaires shall be located to avoid conflict with radiographic equipment ceiling rails.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 0.7 FC during procedure for image viewing on monitor.

Special minor surgery task light shall provide local illumination up to 2500 FC.

Emergency battery pack light shall be provided for illumination during power outage.

Ceiling mounted luminaires shall be located to avoid conflict with radiographic equipment ceiling rails.

Special Procedure Control Room:

General: Fluorescent lights will provide higher illumination level up to 30 FC for room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination

levels down to 2 FC during procedure for monitor viewing-

Special Procedure System Component Room:

General: Fluorescent lights will provide illumination level up to 50 FC for equipment maintenance.

Notes:

1. 2'x4' Fluorescent recessed luminaire, acrylic prismatic lens, with (4) F32T8 lamps, 4100 K, CRI=85 (minimum).
2. 8-inch diameter., recessed incandescent down light, with recessed Fresnel lens, and 150W/A21 inc. horizontally mounted lamp.
3. 2'x2' Fluorescent recessed luminaire, acrylic prismatic lens, with (2) FB31T8 lamps, 3500 K.
4. Dual head emergency battery pack.
5. 3-way switch for Special Procedure Room fluorescent lights control; located at the room entrance.
6. Dimmer for Special Procedure Room incandescent down lights control.
7. 3-way switch for Control room Fluorescent lights control.
8. Dimmer for Control Room incandescent down lights.
9. Switch for Equipment Room Fluorescent lights control.
10. Occupancy sensor for automatic light control; ceiling mounted.

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the X-ray system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, surface, recessed, wall mounted and floor raceways, etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the x-ray equipment and related accessories



Emergency: --
 Emergency power for special procedure room equipment, controls, and selected receptacles as determined by the Hospital. UPS power may be required for specific monitoring systems, instrumentation, and selected workstations as determined by hospital.

Notes:

1. 480V, 3P-150A circuit breaker, with adjustable trip, shunt trip, flush mounted. Run empty 50 mm (2" C) from circuit breaker to the floor duct.
2. 300 mm x 90 mm (12" W x 3-1/2" D) multi-compartment flush floor duct with screw-on cover. Connect to vertical wall duct.
3. 300 mm x 90 mm (12" W x 3-1/2" D) multi-compartment flush vertical wall duct with screw-on cover. Connect to x-ray floor duct and above ceiling duct
4. 250 mm x 90 mm (10" W x 3-1/2" D) multi-compartment above ceiling duct with screw-on cover. Connect to vertical wall duct.
5. 300 mm x 90 mm (10" W x 3-1/2" D) multi-compartment flush vertical wall duct with screw-on cover. Connect to floor duct and wall duct
6. 120 mm x 90 mm (4-3/4" W x 3-1/2" D) multi-compartment surface wall duct with screw-on cover. Connect to vertical wall duct
7. Emergency Power Off pushbutton station. Refer to specific radiology equipment requirements for EPO. Connect to shunt trip at main disconnect.
8. Door switch with NO/NC contacts. Connect to x-ray system control circuit. The x-ray system should not start when the entrance door open.
9. Magnetic door interlock with x-ray controller to prevent interruption of scanning procedure (optional).
10. Warning light with wording "X-RAY ON, DO NOT ENTER". Provide

interface with x-ray system controller via interface relay.

11. X-ray warning light interface relay with low voltage power supply to match x-ray equipment requirements.
12. Power outlet for elapsed timer, mounting height per equipment manufacturer's recommendations.
13. Power connection above ceiling to modular ceiling service column.
14. 480V, 3P-30A fused disconnect switch for equipment room air conditioning unit.

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	Yes
Nurse Call:	Yes
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	Yes
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--

Notes:

1. Junction box for CCTV camera with conduit to Control area.
2. Junction box for CCTV monitor.
3. PACS: two 4-port telecommunication outlets per PACS station
4. Junction box above ceiling for data connection to modular ceiling service column.

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions:	70°F - 75°F (21°C - 24°) for Special Procedure Room and Special Procedure Control Room, 70°F (21°C) for Special Procedure System Component Room.
	30% - 60% Relative humidity for all rooms
Minimum Air Changes per hour- Supply Air	15 for Special Procedure Room 6 for other rooms
100% Exhaust:	No
100% Outside air	No
Room Air Balance:	Positive – All Rooms
Dedicated Exhaust System:	No

Occupancy:

6 people for Special Procedures Room,
2 People for other Rooms

AC Load-Equipment: 2,500 Btuh –
(750W) for Special Procedures Room
1500 Btuh (500W) for Special
Procedures Control Room,
12,000 Btuh (3,500W) for Special
Procedures System Component Room

AC Load-Lighting: 2.6 W/SF (27 W/M²)
in Special Procedures Room,
W/SF (25 W/M²) in Special Procedures
Control Room,
1.7 W/SF (18 W/M²) in Special
Procedure System Component Room.

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project.
2. Provide dedicated AC unit to serve the Special Procedure System Component Room.

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:



INTERVENTIONAL RADIOLOGY (XABP1, XACR1, & XACV1): Equipment Guide List

XABP1 - Procedure Room					
JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame, 36x18	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A1130	Cabinet, Control, Nitrogen	1	CC	Nitrogen control cabinet. Unit consists of supply cut-off valve, supply pressure gauge, pressure regulator (adjustable 0 to 200 PSI), outlet pressure gauge, nitrogen outlet and connection to surgical gas column. Specify recessed or surface mounting. Designed for powering surgical pneumatic tools.	
A4015	Clock, Elapsed Time, Electric	1	CC	Elapsed time digital electric clock. Single display time that can be used either as a clock or elapsed time indicator. Clock consists of buttons to set minutes, and hours for the time. For use in operating and delivery room, and medical service columns. Analog or digital displays may be provided as specified by the user.	
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	

A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5106	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00
E0906	Locker, Supply, General, Wall Mtd, 23"W x 20"D	2	W	THIS TYPICAL INCLUDES: 1 Wall Mounted Rail 1 Locked Storage Container 2 Tray/Shelves 1 Drawer, 3"H (76mm) 3 Drawers, 6"H (152mm) 2 Drawers, 9"H (229mm) 1 Tray/Shelf Divider Drawer Organizer Bins Consider the need for an E0921 to transport the locker from place to place.	

E0912	Locker, Supply, Med Surg, Wall Mtd	1	W	<p>Medical/Surgical Supply locker, Wall Mounted, Approx 23"W x20"D. THIS TYPICAL INCLUDES:</p> <ul style="list-style-type: none"> 1 Wall Mounted Rail 1 Locked Storage Container 4 Tray/Shelves 5 Drawers, 3"H (76mm) 2 Drawers, 6"H (152mm) 2 Tray/Shelf Dividers Drawer Organizer Bins <p>Consider the need for an E0921 to transport the locker from place to place.</p>
E0954	Cart, Emergency, Mobile, 66"H x 52"W x 22"D	1	W	<p>THIS TYPICAL INCLUDES:</p> <ul style="list-style-type: none"> 1 Cart body, style-A narrow, w/raised edge top and breakaway lock bar w/tabs 2 Accessory rails, side 1 Accessory rail, back 1 Defibrillator tray; 1 IV pole 1 Flip-up shelf 1 Wastebasket and holder 1 Oxygen tank holder 1 Cardiac board and hanger 1 Electrical box-4 outlet 1 Cord wrap 4 Drawer, 3"H (76mm) 3 Drawer, 6"H (152mm) Drawer organizer bins.
E1500	Rail, MOD, W/MNTD, HX144XD	1	W	Wall mounted rail used for hanging (mounting) lockers, shelves drawers on a wall.
F0340	Stool, Self Adjusting	1	W	Self adjusting stool. Consists of a foam padded upholstered seat with attached foot rest for added comfort. Mounted on swivel casters. Designed for doctor's use during examinations.
F0355	Footstool, Straight	1	W	Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.



F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F2020	Can, Trash, 44 Gallon	1	W	Forty four (44) gallon trash can, 32" high X 24" diameter, with lid. Used to collect and transport refuse from a point of origin to point of disposal (example: from soiled utility or a nursing unit to the trash compactor at housekeeping).	
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
M0750	Flowmeter, Air, Connect w/50 PSI Supply	1	W	Air flowmeter. Unit has a stainless steel needle valve with clear flowtube for connection to 50 PSI air outlet from central pipeline system. Requires the appropriate adapter for connection to the wall outlet and fitting to connect to tubing. Database prices reflect fittings with an attached DISS power outlet. Other outlet and adapter configurations are available.	22 63 00
M0755	Flowmeter, Oxygen, Low Flow	1	W	Oxygen flowmeter. Consists of a clear crystal flowtube calibrated to 3.5 or 8 LPM depending on manufacturer. For oxygen regulation in hospital settings. Database pricing includes DISS fitting and DISS power outlet and wall adapter. Other fitting and adapter configurations are available.	22 63 00
M0765	Regulator, Vacuum	2	W	An air/oxygen mixer is designed to accurately control a pressurized gas mixing with an oxygen concentration. Unit contains audible alarms to warn of supply failure, an auxiliary outlet and a oxygen concentration control adjustment range from 21% to 100%. The unit can also be used to supply an accurate pre-mixed gas source to respiration or ventilator units. A specific application may require an additional air inlet filter/water trap.	22 62 00



M1802	Work Station, Fold Down and Computer	1	W	A wall mounted retractable work station. Work station is used as a computer station in treatment rooms, exam rooms and areas where physical space is limited.
M3070	Hamper, Linen, Mobile, w/Lid	1	W	Mobile linen hamper with hand or foot operated lid. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Holds 25" hamper bags. Mounted on ball bearing casters. For linen transport in hospitals and clinics.
M3072	Frame, Infectious Waste Bag w/Lid	1	W	Frame for an infectious waste collection bag. Made of heavy tubular stainless steel with heavy gauge welded steel platform. Adjust to hold 18" or 25" trash bags. Mounted on ball bearing casters and includes permanently mounted hinged lid. Provides means of bagging infectious waste at point of waste generation.
M3110	Cabinet, Warming, F/S, 2 Heated Compartment, Elect	1	CC	Freestanding, single or double door warming cabinet with 2 heated compartments. Compartment and exterior walls are made from stainless steel. Thick fiberglass insulation maintains the interior temperature and keeps the exterior from becoming too hot. Equipped with a sealing door, thermostatic temperature control, status display, heat indicating light, over temperature protection, alarms and an air circulating fan. Unit may have an optional temperature recorder. Manufacturer recommends using a fused disconnect switch in the electrical power circuit. Cabinet may also be installed in a recess. Designed for heating and storing solutions and blankets used in patient care areas.
M3165	Cabinet, Catheter Storage	5	W	A cabinet to be used for the hanging storage of catheters. Cabinet comes with adjustable laminate shelves, slide-out arms equipped with hangers to hold various size catheters, and doors. Door locks are an optional accessory.
M4116	Monitor, Vital Signs	1	W	Electronic sphygmomanometer. LCD displays non-invasive blood pressure, pulse rate and temperature. Used in hospitals and clinics. Includes an optional mobile stand.



M4255	Stand, IV, Adjustable	1	W	Adjustable IV stand with 4-hook arrangement. Stand has stainless steel construction with heavy weight base. It adjusts from 66 inches to 100 inches and is mounted on conductive rubber, ball bearing, swivel casters. Stand is used for administering intravenous solutions.
M4266	Pump, Volumetric, Infusion, Multiple Line	2	W	Volumetric infusion pump. Pump is self-regulating with automatic sensor and adjustable rate. Equipped with visual and audible alarms and up to 10 hour capacity battery. For the administration of a wide variety of therapeutic agents where precise control is required. Unit provides individual control to IV lines simultaneously.
M4811	Pump, Intra-Aortic, Balloon	1	W	Intra-aortic balloon pump. Item is used to treat cardiogenic shock resulting from extensive myocardial injury or damage. The pump shall function from line or battery power and is to be a mobile unit. It contains physiological monitoring, pacing, and pumping capabilities. It requires minimal set-up time and has immediate pumping capability. Adjustments can be accomplished without interruption of pumping. The monitor can be mounted remotely for the clinicians convenience and permits viewing of both cardio-pulmonary bypass and intra-aortic balloon pump simultaneously. The pump is designed for use in the critical care unit, operating room, cardiac cath lab and during transport.

M7665	Defibrillator/Monitor/Recorder Automatic	1	W	<p>Portable defibrillator-monitor-recorder with built in advisory protocol. Unit is designed for use by ambulance crews and cardiac arrest teams where a physician will not be available to determine if defibrillation is appropriate. System provides lead II ECG monitoring only, recording and logging of a resuscitation event for later review. This system provides up to 360 joules output and has an external battery charger available. Unit is sometimes referred to as an "Automatic Advisory Defibrillator" or "AAD". Unit may be line powered with an optional battery substitute pack.</p>	
M7860	Monitoring System, Cardiac Catheterization Lab	1	W	<p>Computerized monitoring system for use in cardiac catheterization labs and cardio-thoracic operating rooms. The system can display up to 32 different waveforms simultaneously, perform calculations of hemodynamic parameters, valve areas and cardiac output, archive procedure results and accept inputs from a variety of monitoring devices. The installed system can also include remote monitors/terminals and additional workstations and may interface with hospital-wide physiological monitoring or clinical information systems. The system includes several configurations in different locations. Database physical dimensions reflect the largest of these work centers. The estimated total 20 amp electrical requirements will be spread across several circuits in several locations. The system price varies greatly on the size and sophistication of the end user's requirements.</p>	
M7905	Oximeter, Pulse	1	W	<p>Pulse oximeter for continuous surveillance of patient pulse and oxygen saturation rates. Instrument features LED display, audio and visual alarms, automatic calibration and battery operation in case of power failure. Other applications include sleep studies, exercise testing and monitoring certain patients in the home (e.g. infants or patients requiring respiratory therapy).</p>	

M8755	Aspirator, Low Pressure/Low Volume, Surgical	1	W	Low pressure, low volume surgical aspirator. Stand mounted stainless steel unit. 1/8 HP motor with variable suction intensity. It includes 600 ml graduated collection bottle, hydrophobic bacteria filter, a precision suction regulating valve, timer and a foot regulator. For post operative surgical wound drainage and general suction use.	
M8810	Stand, Mayo	1	W	Adjustable instrument table. Table is corrosion resistant stainless steel construction and is mounted on two casters with two skid rails. It has telescopic upright adjusts from 39 inches to 60 inches with automatic locking device, and removable 13"x19" instrument tray. Designed for use in operating and procedure rooms.	
M8815	Table, Instrument/Dressing, Angular	1	W	Angular instrument/dressing table. Heavy duty design and stainless steel construction. Tops are hemmed and bent together to form a sturdy sound-deadened surface. Mounted on electrically conductive ball-bearing casters. Designed for use in operating or procedure rooms.	
M8825	Table, Instrument/Dressing, CRS, approx. 36x20x34	2	W	Instrument and dressing table. Made of corrosion resistant stainless steel with a sound deadened top. Includes guard rail, shelf and two side-by-side drawers. The table is mounted on swivel, ball-bearing casters.	
M8910	Cart, Surgical Case	1	W	Surgical case cart. Unit consists of two hinged cabinet sections, each section equipped with two pull-out shelves with stops. The entire unit is mounted on six heavy duty conductive swivel casters. Used to transport surgical packs and supplies to surgery and soiled items back to central supply.	
P3100	Lavatory, Vitreous China, Slab Type	1	CC	Wall mounted, slab type, vitreous china, lavatory (approximate bowl size 7"x15"x10") with: faucet holes on 4" centers; gooseneck spout; wrist blade handles; and grid strainer. It shall be suitable for use in clinics, offices, washrooms or patient care area.	22 40 00



X3145	Screen, X-Ray, Protective, Mobile	1	W	Mobile X-ray protective screen. The unit is a single 1/6 minimum thickness lead sheet, that is sandwiched between the formed steel shells. An 8" X 10" lead glass window is placed at a convenient height. The steel construction increases the X-ray protective value and is not X-ray transparent as are wood or wood products. The unit is used for effective radiation protection of department personnel during vascular procedures. This unit can fit any application with its mobility.
X3155	Rack, Apron/Gloves, Wall Mounted	1	W	Apron and gloves rack. This is a mobile unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum.
X3940	Illuminator, Film, 8 Panels, Wall Mounted	1	CC	Film illuminator, 8 panels, wall mounted. This unit has a stainless steel or light gray baked enamel finish. It consists of two 4-panel illuminators, with dual switches and torque grip film holders. The lower illuminator is tilted 35 degrees from the vertical while the upper illuminator is vertical (on two tier unit). It is arranged to facilitate handling of the films and especially effective for seated viewing. The unit is used to review and analyze X-ray films.



X6175	Radiographic/Fluoro Unit, Angio, Biplane, Digital	1	CF	This system is specifically designed to perform biplane radiographic/fluoroscopic examinations in the Special Procedures Department. On-line digital angio image processing will provide instant availability of images for review. This units characteristics and components include: 100 kW micro-processor controlled X-ray generators, C-arm and U arm with 9" multi-field Image Intensifier, integrated X-ray tube unit. The Digital Spot Imaging for both the AP and Lateral planes shall consist of a computer, keyboard with acquisition and viewing monitor and a slave monitor. The system shall be DICOM 3.0 compatible, for easy linkage to filmless image management systems and review stations. It is recommended that the TV monitors be ceiling suspended.
X6195	Injector, Angiographic	1	CF	Angiographic injector. This unit is a specialized radiographic procedure that provides sharp, well-defined visual images of the vascular anatomy. The injector introduces a vision radiopaque fluid (contrast medium) into an artery or vein through a small catheter, making vessels contrast with their more radiolucent surrounding. The unit incorporates an electromechanical or pneumatic driven syringe to deliver the contrast medium. The syringe assemblies consist of an electric motor connected to a jackscrew that moves the syringe piston into or out of the syringe barrel. The unit is used in hospitals with radiographic procedures. Specify if unit is to be pedestal, ceiling, wall or table mounted when ordering.

XACR1 - Control Room

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00



A5145	Hook, Garment, Double, SS, Surface Mounted	AR	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00
C0044	Frame, Apron, 1 Drawer, 4x30x22	1	CC	Apron frame with one standard drawer. Also referred to as a drawer frame or table frame. Used for a knee space as a combination frame and drawer to support a top between base cabinets or a base cabinet and a wall.	12 32 00
C0045	Frame, Apron, 1 Drawer, 4x36x22	2	CC	Apron frame with one standard drawer. Also referred to as a drawer frame or table frame. Used for a knee space as a combination frame and drawer to support a top between base cabinets or a base cabinet and a wall.	12 32 00
C06M0	Cabinet, U/C/B, 1 PBD, 2 DR, 1 File DR, 30x18x22	3	CC	Cabinet, U/C/B, 1 PBD, 2 DR, 1 File DR, 30x18x22	12 32 00
CT030	Countertop, High Pressure Laminate	AR	CC	High pressure laminate countertop (composition of wood particle core with plastic laminate surface) having a hard smooth surface finish, standard thickness of 1", and a 4" butt backsplash/curb. Also referred to as a work surface or work top. Available in a wide choice of colors, patterns, and depths. Used in general purpose areas requiring a basic work surface arrangement with limited heat resistance and poor chemical resistance. Pricing based upon a 24" depth.	12 36 00
F0275	Chair, Swivel, High Back	2	W	Highback contemporary swivel chair, 41" high X 23" wide X 23" deep with five (5) caster swivel base and arms. Chair may be used at desks or in conference rooms. Back and seat are foam padded and upholstered with either woven textile fabric or vinyl.	
F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	

F3050	Whiteboard, Dry Erase	1	CC	Whiteboard unit, approximately 36" H x 48" W consisting of a white porcelain enamel writing surface with an attached chalk tray. Magnetic surface available. Image can be easily removed with a standard chalkboard eraser. For use with water color pens. Unit is ready to hang.
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).
M1801	Computer, Microprocessing, w/Flat Panel Monitor	1	W	Desk top microprocessing computer. The unit shall consist of a central processing mini tower, flat panel monitor, keyboard, mouse and speakers. The system shall have the following minimum characteristics: a 2.8 GHz Pentium processor; 512 MB memory; 80GB hard drive; 32/48x CD-ROM/DVD combo; a 3.5" floppy drive; 1.44MB network interface card; video 32 MB NVIDIA; a 15 inch flat panel color monitor. The computer is used throughout the facility to input, manipulate and retrieve information.
M1840	Printer/Copier/Fax Combination	1	W	Multifunctional printer, fax, scanner and copier (PFC) all-in-one machine.
X1425	Imager, Laser (1024 X 1024) (Din/PACS)	1	CF	Laser imager. An infrared laser beam is scanned across the film by a precision rotating polygon, while correcting optic focus and controlling the beam's intensity. The characteristics and components include an automatic film handling system and uses 10" X 14" IR film. It can be interfaced to additional imaging modalities with optional interface kit. For use with digital output imaging modalities.

X4112	Console, PACS, Remote View, 1k X 1k, 2 Monitors	1	CF	Two monitor remote viewing station for picture archiving and retrieval (PACS) system. This station is for use by providers inside or outside of radiology to review images. Station includes local image storage, image manipulation, and simultaneous display of multiple images on two 1024 x 1024 image display CRT's. Images are stored on a resident hard disk and roll off the disk as more recent images are sent to the station. Provider may request images from the PACS. Unit must be connected to the PACS by LAN for image and result receipt. This station is for use in areas like radiologist's offices and the E.R.. where a more comprehensive system is required. Console must be DICOM compliant. Input may be by keyboard, mouse, trackball or voice activated commands.
X6175	Components of Radiographic/Fluoro Unit, Angio, Biplane, Digital	1	CF	This system is specifically designed to perform biplane radiographic/fluoroscopic examinations in the Special Procedures Department. On-line digital angio image processing will provide instant availability of images for review. This units characteristics and components include: 100 kW micro-processor controlled X-ray generators, C-arm and U arm with 9" multi-field Image Intensifier, integrated X-ray tube unit. The Digital Spot Imaging for both the AP and Lateral planes shall consist of a computer, keyboard with acquisition and viewing monitor and a slave monitor. The system shall be DICOM 3.0 compatible, for easy linkage to filmless image management systems and review stations. It is recommended that the TV monitors be ceiling suspended.

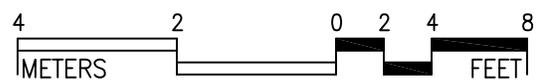
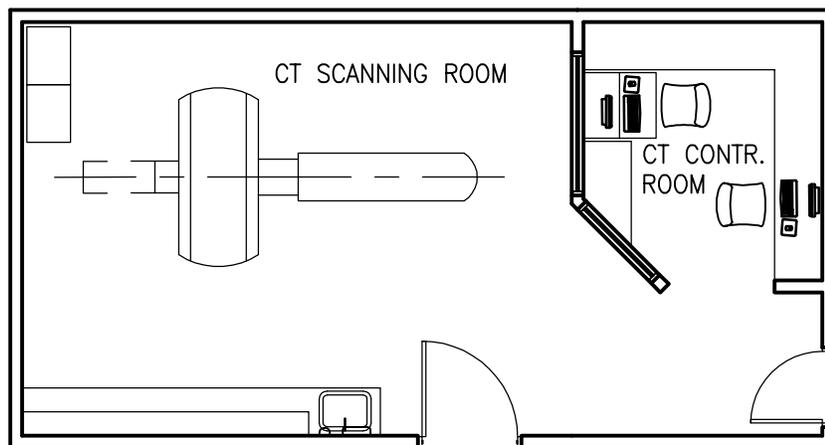
XACV1 - System Component Room

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	AR	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00

F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
X6175	Components of Equipment for Radiographic/Fluoro Unit, Angio, Biplane, Digital	1	CF	May include (depending on type of equipment):	



CT Suite
Key Plan



1/8" = 1'-0"

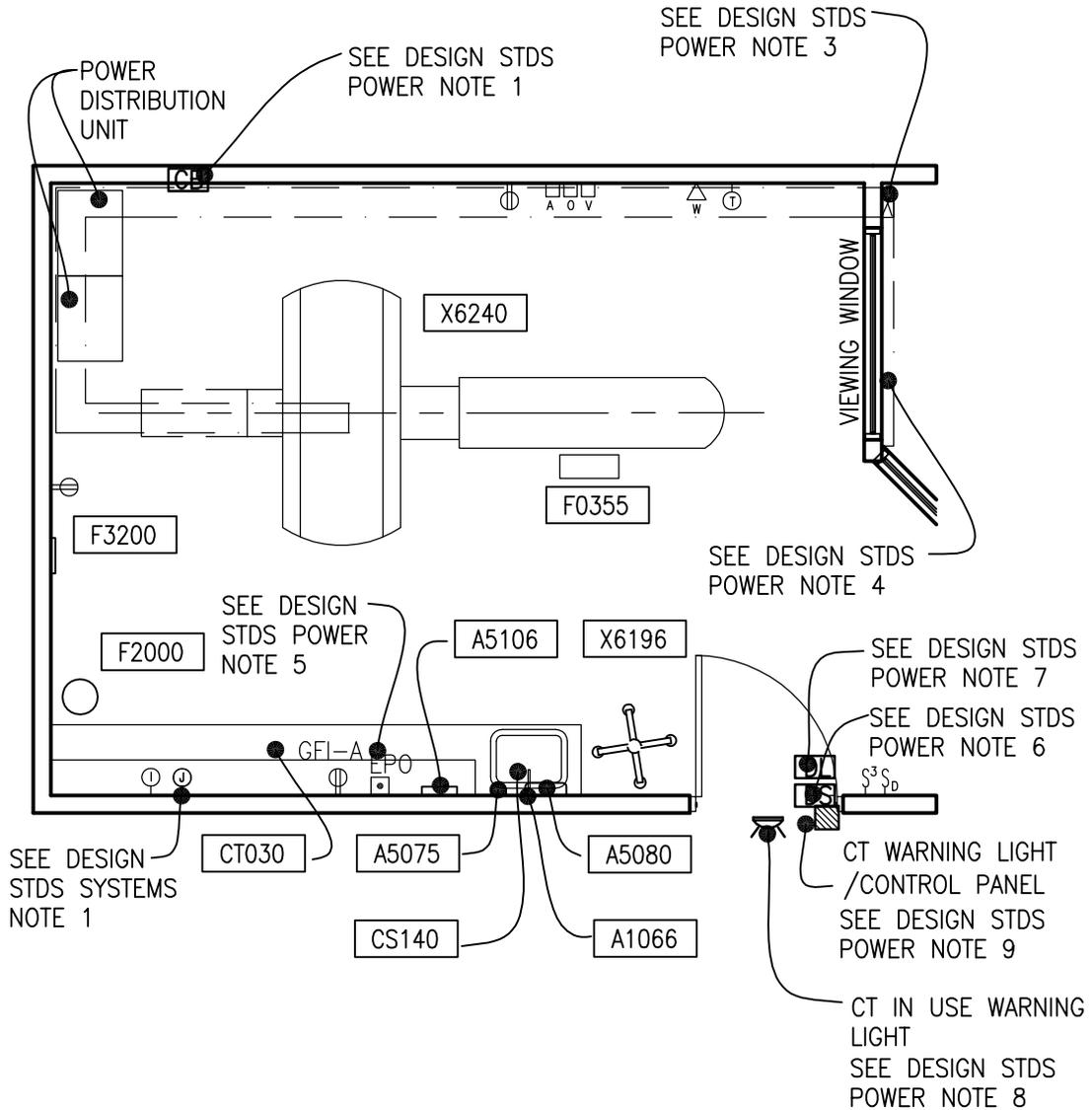
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CT Scanning Room (XCTS1)

430 NSF

Floor Plan

39.9 NSM



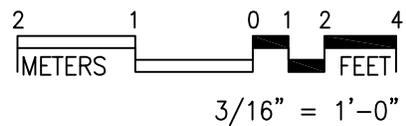
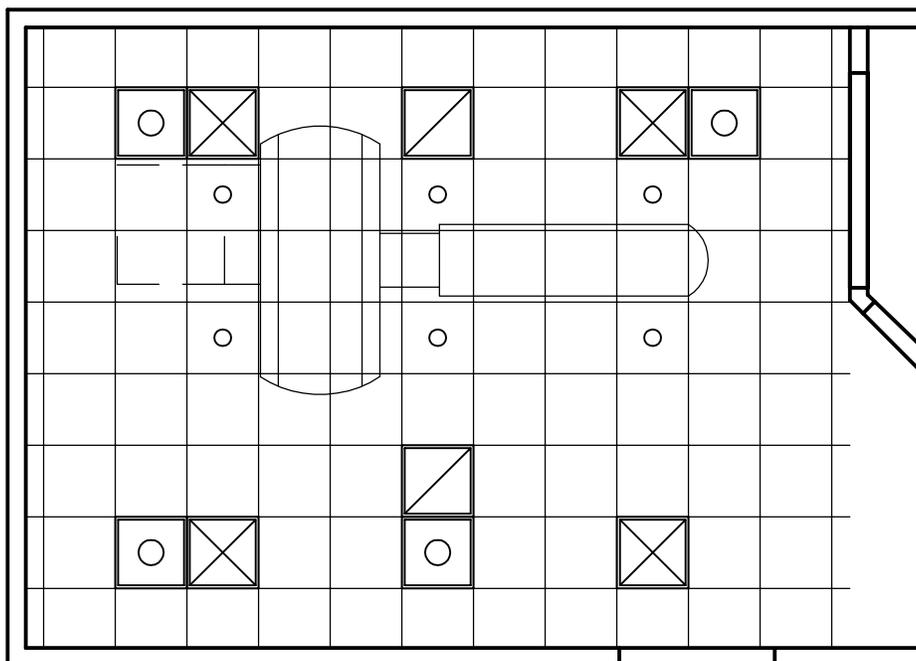
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CT Scanning Room (XCTS1)

430 NSF

Reflected Ceiling Plan

39.9 NSM



The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

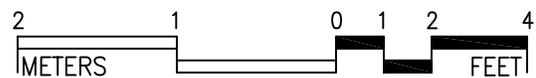
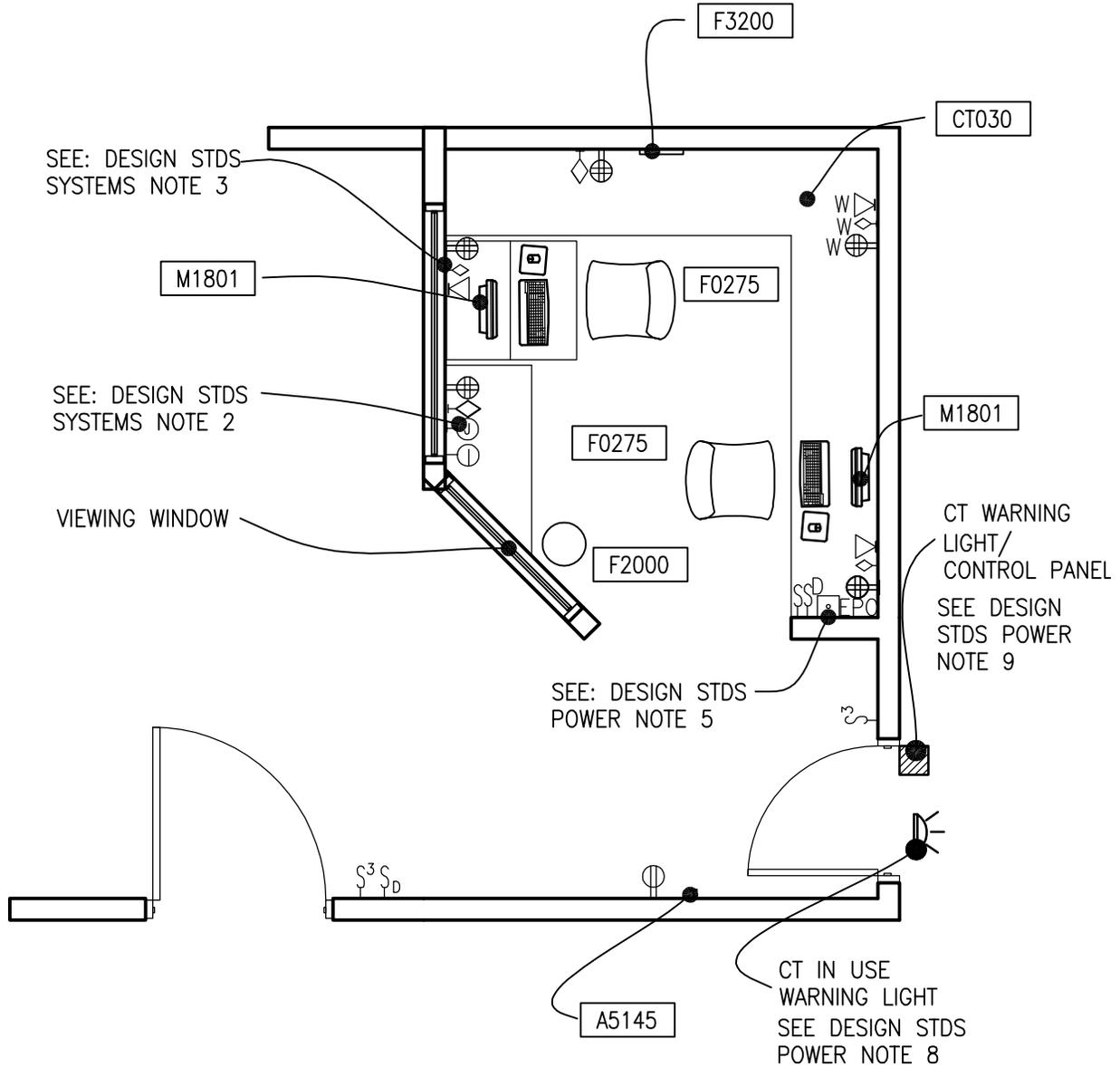
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CT Control Room (XCTC1)

140 NSF

Floor Plan

13.0 NSM



1/4" = 1'-0"

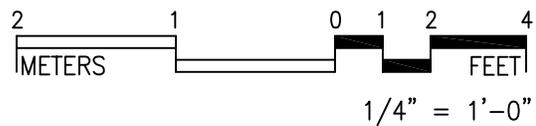
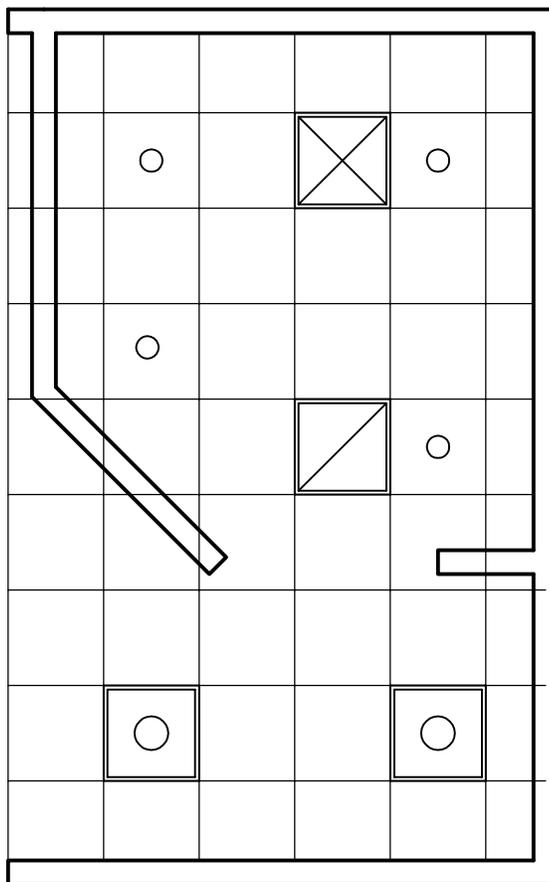
Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CT Control Room (XCTC1)

140 NSF

Reflected Ceiling Plan

13.0 NSM



The locations and quantities of the air outlets and inlets are tentative and may not represent the optimum design solution(s) envisioned by the designer, who shall study the layout, calculate air volumes, and may alter the arrangement shown in the reflected ceiling plan, as required, to produce a project-specific air distribution system design.

Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific. Specific infrastructure design requirements are contained in VA Design Manuals and Space Planning Criteria located in the VA Technical Information Library.

CT SUITE (XCTS1 & XCTC1): Design Standards

ARCHITECTURAL

Ceiling:	Acoustical Tile Ceiling
Ceiling Height:	Coordinate with Equip. Manuf.
Wall Finish:	Paint
Wainscot:	--
Base:	Vinyl Base
Floor Finish:	Vinyl Composition Tile
Sound Protection:	--

Notes:

1. Provide a 4'-0" wide shielded door into the CT Scanning Room
2. Provide a shielded viewing window from CT Control Room to the CT Scanning Room.

LIGHTING

CT Scanning Room

General: Fluorescent lights will provide higher illumination level up to 50 FC during patient transfer on and from the table, equipment setting, room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 5 FC during scanning. Luminaires shall be located to avoid direct glare for patient comfort.

CT Control Room

General: Fluorescent lights will provide higher illumination level up to 30 FC for room cleaning, and equipment maintenance.

Special: Incandescent luminaires controlled by dimmer will provide lower illumination levels down to 5 FC during scanning for monitor viewing.

Notes:

1. 2'x2' fluorescent recessed luminaire, acrylic prismatic lens, with (2) FB031T8-U lamps, 4100 K, CRI=85 (Minimum)
2. 8-inch dia., recessed incandescent downlight, with recessed Fresnel

lens, and 150W/A21 inc. horizontally mounted lamp.

3. 2'x4' fluorescent recessed luminaire, acrylic prismatic lens, with (3) F32T8 lamps, 3500 K.
4. CT Scanning Room fluorescent lighting controlled by 3-way switches located at entrance door and in control area
5. CT Scanning Room incandescent downlighting controlled by 3-way dimmers located in CT room and control area.
6. CT Control Room incandescent downlighting controlled by separate dimmer located in control area.

POWER

The electrical power as shown is to be used as a guide only. Equipment locations, dimensions and wiring requirements should be per the CT system suppliers' equipment drawings. Electrical trades should provide necessary conduits, openings, bushings, nipples, flexible conduits, surface, recessed, wall mounted and floor raceways, etc., as required at the various junction boxes, duct and conduit terminations to allow proper connections of the CT equipment and related accessories

Emergency:

Emergency power for CT equipment, controls, and selected receptacles as determined by the Hospital

Notes:

1. 480V, 3P-150A circuit breaker, with adjustable trip, shunt trip, flush mounted. Run empty 50 mm (2" C) from circuit breaker to the floor duct.
2. 300 mm x 90 mm (12" W x 3-1/2" D) multi-compartment flush floor duct with screw-on cover. Connect to vertical wall duct.
3. 250 mm x 90 mm (10" W x 3-1/2" D) multi-compartment surface vertical wall duct with screw-on cover. Connect to CT floor duct and horizontal wall duct.

4. 120 mm x 90 mm (4-3/4" W x 3-1/2" D) multi-compartment surface wall duct with screw-on cover. Connect to vertical wall duct.
5. Emergency Power Off pushbutton station. Refer to specific radiology equipment requirements for EPO. Connect to shunt trip at main disconnect.
6. Door switch with NO/NC contacts. Connect to CT system control circuit. CT should shut-off upon opening of the entrance door.
7. Magnetic door interlock with CT controller to prevent interruption of scanning procedure (optional).
8. Warning light with wording "CT IN USE, DO NOT ENTER". Provide interface with CT controller via interface relay.
9. CT warning light interface relay with low voltage power supply to match CT equipment requirements.

Room Air Balance: Positive for all rooms
 Dedicated Exhaust System: No
 Occupancy: 4 for CT Scanning Room
 2 for CT Control Room
 AC Load-(Equipment): 17,000 Btuh – 22,000BTUH (5,000W – 6,500 W) for CT Scanning Room.
 4,000 Btuh – 8,500 Btuh (1,200W-2,500 W) for CT Control Room.

AC Load-Lighting: 2.0 W/SF (21 W/M²) in CT Scanning Room
 1.5W/SF (17 W/M²) in CT Control Room.

Notes:

1. Verify cooling loads and other specific requirements with the equipment manufacturer on a specific project.
2. Certain CT Manufacturers require, and provide a dedicated CT Scanner chiller. This chiller should be installed per CT manufacturer's requirements.

COMMUNICATION/SPECIAL SYSTEMS

ADP:	Yes
Data:	Yes
Telephone:	Yes
Intercom:	Yes
Nurse Call:	--
Public Address:	--
Radio/Entertainment:	--
MATV:	--
CCTV:	Yes, note 1 & 2.
MID:	--
Security/Duress:	--
VTEL:	--
VA Satellite TV:	--

Notes:

1. Junction box for CCTV camera with conduit to Control area.
2. Junction box for CCTV monitor.
3. PACS:two 4-port telecommunication outlets per PACS station

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 a floor drain to coordinate with chilled water equipment when required
2. Provide a backflow prevention device when a secondary emergency water connection to the chilled water equipment is required as a backup

HEATING, VENTILATING AND AIR CONDITIONING

Inside Design Conditions: 70 °F - 75 °F
 (21 °C - 24 °C)
 30% to 60% Relative humidity
 Minimum Air Changes per hour: - Supply Air
 6 for CT Scanning Room
 6 for CT Control Room
 100% Exhaust: No
 100% Outside air No

CT SUITE (XCTS1 & XCTC1): Equipment Guide List

XCTS1 - CT Scanning Room					
JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A1066	Mirror, Float Glass, With SS Frame	1	CC	A high quality 1/4" polished float glass mirror 36X18, framed in a one-piece, bright polished, stainless steel channel frame with 90° mitered corners. All edges of the mirror are protected by absorbing filler strips. Mirror has a galvanized steel back with integral horizontal hanging brackets and wall hanger for concealed mounting. For mounting above single wall mounted lavatories located in toilet areas, Doctors examination offices, etc. May also be used above double lavatories, either wall or countertop mounted, found in restroom areas.	10 28 00
A5075	Dispenser, Soap, Disposable	1	W	Disposable soap dispenser. One-handed dispensing operation. Designed to accommodate disposable soap cartridge and valve.	
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, single-fold, paper towel dispenser. Dispenser features: tumbler lock; front hinged at bottom; and refill indicator slot. Minimum capacity 400 single-fold paper towels. For general purpose use throughout the facility.	10 28 00
A5106	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W	The unit is designed for the disposal of sharps and complies with OSHA guidelines for the handling of sharps. It shall house a 5 quart container and be capable of being mounted on a wall. It shall have a glove dispenser attached. The unit shall be secured by a locked enclosure.	

C03H0	Cabinet, U/C/B, 2 Half Drawers, 3 DR, 36x30x22	1	CC	Standing height under counter base cabinet with two half width drawers side-by-side above three full width drawers. Also referred to as a drawer cabinet. For general purpose use throughout the facility.	12 32 00
C03J0	Cabinet, U/C/B, 8 Half Drawers, 36x30x22	1	CC	Standing height under counter base cabinet with eight half width drawers of equal height. Also referred to as a drawer cabinet. For general purpose use throughout the facility.	12 32 00
C03P0	Cabinet, Sink, U/C/B, 2 Door, 30" W	1	CC	Standing height under counter base sink cabinet. 36" H x 30" W x 22" D with two solid hinged doors. Also referred to as a double-door sink cabinet. For general purpose use throughout the facility where a sink is to be used. Coordinate actual clear cabinet dimension with the actual outside dimension of sink that is specified to ensure that they are compatible.	12 32 00
CE030	Cabinet, W/H, 2 SH, 2 GDO, Sloping Top, 38x30x13	1	CC	Wall hung cabinet with two adjustable shelves, framed-glass hinged doors, and sloping top. Also referred to as a framed-glass hinged double door wall case. For general purpose use throughout the facility.	12 32 00
CS140	Sink, SS, Single Compartment, 10x14x16 ID	1	CC	Single compartment stainless steel sink, drop-in, self-rimming, ledge-type, connected with a drain and provided with a mixing faucet. It shall also be provided with punched fixture holes on 4" center, integral back ledge to accommodate deck-mounted fixtures, brushed/polished interior and top surfaces, and sound deadened. Recommended for use in suspended or U/C/B sink cabinets having a high plastic laminate or Chemsurf laminate countertop/work surface. Coordinate actual outside sink dimensions with the actual clear dimension of cabinet specified to ensure that they are compatible. For general purpose use throughout the facility.	22 40 00

CT030	Countertop, High Pressure Laminate	AR	CC	High pressure laminate countertop (composition of wood particle core with plastic laminate surface) having a hard smooth surface finish, standard thickness of 1", and a 4" butt backsplash/curb. Also referred to as a work surface or work top. Available in a wide choice of colors, patterns, and depths. Used in general purpose areas requiring a basic work surface arrangement with limited heat resistance and poor chemical resistance. Pricing based upon a 24" depth.	12 36 00
F0355	Footstool, Straight	1	W	Step stool. Used to assist patients getting on and off exam or surgical tables. Fitted with electrically conductive rubber tips.	
F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	
M0750	Flowmeter, Air, Connect w/50 PSI Supply	1	W	Air flowmeter. Unit has a stainless steel needle valve with clear flowtube for connection to 50 PSI air outlet from central pipeline system. Requires the appropriate adapter for connection to the wall outlet and fitting to connect to tubing. Database prices reflect fittings with an attached DISS power outlet. Other outlet and adapter configurations are available.	22 63 00
M0755	Flowmeter, Oxygen, Low Flow	1	W	Oxygen flowmeter. Consists of a clear crystal flowtube calibrated to 3.5 or 8 LPM depending on manufacturer. For oxygen regulation in hospital settings. Database pricing includes DISS fitting and DISS power outlet and wall adapter. Other fitting and adapter configurations are available.	22 63 00

M0765	Regulator, Vacuum	1	W	An air/oxygen mixer is designed to accurately control a pressurized gas mixing with an oxygen concentration. Unit contains audible alarms to warn of supply failure, an auxiliary outlet and a oxygen concentration control adjustment range from 21% to 100%. The unit can also be used to supply an accurate pre-mixed gas source to respiration or ventilator units. A specific application may require an additional air inlet filter/water trap.	22 62 00
X3150	Rack, Apron/Gloves, Wall Mounted	1	CC	Apron and gloves rack. This is a wall unit which holds aprons and gloves. The body is heavy gauge steel finish in gray or green baked enamel, glove and apron holding arms are aluminum. The unit's convenient on wall storage will prolong the useful life of your protection aprons by helping prevent damage to internal components.	
X6196	Injector, CT	1	CF	This unit is a specialized radiographic system that provides sharp, well-defined visual images of the vascular anatomy. The injector introduces a vision radiopaque fluid (contrast medium) into an artery or vein through a small catheter, making vessels contrast with their more radiolucent surrounding. The unit incorporates an electromechanical or pneumatically driven syringe to deliver the contrast medium. The syringe assemblies consist of an electric motor connected to a jackscrew that moves the syringe piston into or out of the syringe barrel. The unit is used in hospitals with radiographic procedures. The unit can be ceiling, wall, or remote stand mounted.	



X6240	Radiographic Unit, Computerized Tomography (CT)	1	CF	The CT Scanner System is a noninvasive radiographic technique that involves the reconstruction of a tomographic plane of the body (four slices per revolution) from a large number of collected x-ray absorption measurements taken during a scan around the body's periphery. The CT System shall be a single gantry, whole body scanning system appropriate to support tertiary care facilities with an annual projected workload of less than 5,500 separate studies. System includes DICOM 3.0 or latest version software protocol. System to be procured with turnkey installation.	
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XCTC1 - Control Room

JSN	NAME	QTY	ACQ / INS	DESCRIPTION	SPEC
A1010	Telecommunication Outlet	1	CC	Telecommunication outlet location.	27 31 00
A1012	Telephone, Wall Mounted, 1 Line	1	CC	Telephone, wall mounted, 1 line.	27 31 00
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC	A surface mounted, satin finish stainless steel, double garment hook. Equipped with a concealed mounting bracket that is secured to a concealed wall plate. For general purpose use throughout the facility to hang various items of apparel.	10 28 00
C0044	Frame, Apron, 1 Drawer, 4x30x22	1	CC	Apron frame with one standard drawer. Also referred to as a drawer frame or table frame. Used for a knee space as a combination frame and drawer to support a top between base cabinets or a base cabinet and a wall.	12 32 00
C0045	Frame, Apron, 1 Drawer, 4x36x22	2	CC	Apron frame with one standard drawer. Also referred to as a drawer frame or table frame. Used for a knee space as a combination frame and drawer to support a top between base cabinets or a base cabinet and a wall.	12 32 00
C06M0	Cabinet, U/C/B, 1 PBD, 2 DR, 1 File DR, 30x18x22	3	CC	Cabinet, U/C/B, 1 PBD, 2 DR, 1 File DR, 30x18x22	12 32 00

CT030	Countertop, High Pressure Laminate	AR	CC	High pressure laminate countertop (composition of wood particle core with plastic laminate surface) having a hard smooth surface finish, standard thickness of 1", and a 4" butt backsplash/curb. Also referred to as a work surface or work top. Available in a wide choice of colors, patterns, and depths. Used in general purpose areas requiring a basic work surface arrangement with limited heat resistance and poor chemical resistance. Pricing based upon a 24" depth.	12 36 00
F0275	Chair, Swivel, High Back	2	W	Highback contemporary swivel chair, 41" high X 23" wide X 23" deep with five (5) caster swivel base and arms. Chair may be used at desks or in conference rooms. Back and seat are foam padded and upholstered with either woven textile fabric or vinyl.	
F2000	Basket, Wastepaper, Round, Metal	1	W	Round wastepaper basket, approximately 18" high X 16" diameter. This metal unit is used to collect and temporarily store small quantities of paper refuse in patient rooms, administrative areas and nursing stations.	
F3050	Whiteboard, Dry Erase	1	CC	Whiteboard unit, approximately 36" H x 48" W consisting of a white porcelain enamel writing surface with an attached chalk tray. Magnetic surface available. Image can be easily removed with a standard chalkboard eraser. For use with water color pens. Unit is ready to hang.	
F3200	Clock, Battery, 12" Diameter	1	W	Clock, 12" diameter. Round surface, easy to read numbers with sweep second hand. Wall mounted unit for use when impractical to install a fully synchronized clock system. Battery operated, (batteries not included).	



M1801	Computer, Microprocessing, w/Flat Panel Monitor	1	W	Desk top microprocessing computer. The unit shall consist of a central processing mini tower, flat panel monitor, keyboard, mouse and speakers. The system shall have the following minimum characteristics: a 2.8 GHz Pentium processor; 512 MB memory; 80GB hard drive; 32/48x CD-ROM/DVD combo; a 3.5" floppy drive; 1.44MB network interface card; video 32 MB NVIDIA; a 15 inch flat panel color monitor. The computer is used throughout the facility to input, manipulate and retrieve information.
M1840	Printer/Copier/Fax Combination	1	W	Multifunctional printer, fax, scanner and copier (PFC) all-in-one machine.
X1425	Imager, Laser (1024 X 1024) (Din/PACS)	1	CF	Laser imager. An infrared laser beam is scanned across the film by a precision rotating polygon, while correcting optic focus and controlling the beam's intensity. The characteristics and components include an automatic film handling system and uses 10" X 14" IR film. It can be interfaced to additional imaging modalities with optional interface kit. For use with digital output imaging modalities.
X4112	Console, PACS, Remote View, 1k X 1k, 2 Monitors	1	CF	Two monitor remote viewing station for picture archiving and retrieval (PACS) system. This station is for use by providers inside or outside of radiology to review images. Station includes local image storage, image manipulation, and simultaneous display of multiple images on two 1024 x 1024 image display CRT's. Images are stored on a resident hard disk and roll off the disk as more recent images are sent to the station. Provider may request images from the PACS. Unit must be connected to the PACS by LAN for image and result receipt. This station is for use in areas like radiologist's offices and the E.R.. where a more comprehensive system is required. Console must be DICOM compliant. Input may be by keyboard, mouse, trackball or voice activated commands.

X6240	<p>Components of Parent Item: Radiographic Unit, Computerized Tomography (CT) may include: Workstation with LCD Monitors, Injector Control and electronic station, and operator console and computer</p>	1	CF	<p>The CT Scanner System is a noninvasive radiographic technique that involves the reconstruction of a tomographic plane of the body (four slices per revolution) from a large number of collected x-ray absorption measurements taken during a scan around the body's periphery. The CT System shall be a single gantry, whole body scanning system appropriate to support tertiary care facilities with an annual projected workload of less than 5,500 separate studies. System includes DICOM 3.0 or latest version software protocol. System to be procured with turnkey installation.</p>	
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