

Drawing Index

These sheets are a document set and should not be separated. Electrical information and references are contained on all sheets.

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These equipment IS drawings indicate the placement and interconnection of the listed equipment components. These drawings are not construction or site preparation drawings. Customer remains ultimately responsible for preparing the site to accommodate the IS and operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

* REQUIRED REFERENCE *

DMR
Pre Installation Manual
5128706-1-100

A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the preIS manual will result in incomplete documentation required for site design and preparation.

Pre Installation documents for GE Healthcare products can be accessed on the web at:

www.gehealthcare.com/siteplanning

GE Healthcare



Women's Health Site Planning



imagination at work

Customer Site Readiness Requirements

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE Healthcare Installation Project Manager prior to making changes.
- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE Healthcare Installation Project Manager can supply a reference list of rigging contractors.
- New construction requires the following; 1. Secure area for equipment, 2. Power for drills and other test equipment, 3. Capability for image analysis, 4. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- Contact a radiation physicist or consultant to specify radiation containment requirements.

GE Equipment Delivery Requirements

The items on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the IS site. Equipment will not be delivered if these requirements are not satisfied.

GE Healthcare Site Readiness Checklist Rev 19					
Before using this document ensure you have the latest Rev/Item M/Workshop on D000422752					
GEHC Global Order#:		Customer:			
GEHC PIM#:		FE / Installer:			
The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.					
Inspection Date:		Storage is item ready?	PIM is item ready?	FE is item ready?	Comments
Inspection Date:		Storage is item ready?	PIM is item ready?	FE is item ready?	Comments
GEHC Minimum Requirements					
1	MR Magnet Delivery Requirements: Ensure cryogen venting system is available for magnet connection as defined by GEHC Pre-Installation Manual (PIM) requirements. Exhaust fan system is installed and operational, 480V power, and chilled water supply is available 24/7 that meets system cooling requirements. External connectivity is available for magnet monitoring and phone service is available during delivery. Surface mount vibromat installed where required. Magnet room final flooring is in place.				
2	MR RF Screen Room Requirements: RF Screen Room is tested with copy of Test Report, emailed to SAAdmin@EMRbig.com, that it is compliant with GEHC specifications. Dock Bolt and magnet anchors (if applicable) installed using 2 part anchor. For HDx systems, dower box mount bolts installed by RF vendor using 2 part anchors.				
3	State Regulatory Requirements: Facility registration number provided for states of IL, KY, HI, RI, SC, TX, WA. Key shielding plan and state acknowledgment letter provided to installer for AR, DC, NC, SC, CO, SD, VA.				
3	Site Drawing Requirements: Final version of equipment network and antenna. Installation drawings (including redlined versions) verified to match actual room and has been provided to installer.				
4	Surface Penetration Requirements: Customer/Contractor scheduled to provide required drilling or cutting into floors, ceilings, and walls. OR surface penetration permit available and posted in the room when GEHC will perform the work.				
5	Pre-Delivery Route Requirements: The equipment delivery route from the truck to the final destination within the facility has been reviewed with all key stakeholders to safely meet the minimum requirements for equipment access, and all communications/notifications have occurred. Arrangements have been made for special handling (elevator rigging, floor protection, fork lift, rollback trucks, etc).				
6	Finished Room Requirements: Rooms that will contain equipment, including storage areas, not in scan suits, are dust free. Provisions taken to maintain a dust free room. Precautions must be taken to prevent dust from entering rooms containing equipment when construction is incomplete in adjacent areas. All walls primed (final coat not needed on Day 1). Shielding, doors, and windows are to be installed. No contractor work being done during or after the installation that will cause dust in the installation areas or potential equipment damage. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility. For Storage Room must meet PIM requirements for storage.				
7	Electrical Requirements: Lockable (LOTO) Main Disconnect Panel (MDP) is installed per GE guidelines and system power is available. Conduits, electrical cable ducting/dividers/cable trays, and access flooring is installed in proper location and height. Surface floor duct and load-side wires can be installed at time of system installation. Validate outlet location and requirements meet specifications for device/equipment.				
8	HVAC Requirements: The HVAC/Chilled Water systems designed to maintain the environment per spec/PIM is starting state and appears to provide the desired environmental conditions including location of vents, temperature and humidity for system operation.				
9	Flooring Requirements: Floor is clean and prepared for final floor covering. Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications. Confirm customer anchoring plan aligns with designed floor thickness. Final flooring installed where required for network runs.				
10	Ceiling Requirements: Unistrut (or equivalent) location, levelness and spacing is measured (or vendor confirmed) and consistent with the requirement of the installation drawings. Ensure Unistrut and rails are not used as mounting surfaces. Ceiling grid is installed. Permanent lighting is installed and operational. HVAC diffusers are installed and connected to ductwork. Ceiling tiles installed per PIM discretion.				

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Healthcare Project Implementation - Design Center
Millsboro, Delaware
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SHEET TITLE: SITE READINESS
MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH
THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE LATEST GE HEALTHCARE INSTALLATION AND SERVICE MANUALS. GE HEALTHCARE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
TYPICAL MAMMO
9-22F
TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22F	01
DATE:	05 Jan 12
DRAWN BY:	KMR
CHECKED BY:	KMR

REVISION HISTORY:

SHEET
C1

REQ - 124028 PIM R1

GE EQUIPMENT LISTING

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN		EQUIPMENT CROSS REFERENCE CHART	
										P	C
											P = PRE-APPROVAL C = CALCULATIONS/ PENDING APPROVAL S = SPECIFICATIONS ONLY
①	1		SENDVISION WALL BOX	33 lbs		B7116	---	WB		C	
②	1		SENDVISION CART	485 lbs	1699 btu	B7115	---	SV		C	
③	1		SENOGRAPHE DMR GENERATOR CABINET	231 lbs		B7104	---	XG		C	
④	1		SENOGRAPHE MAMMOGRAPHY GANTRY	634 lbs	5099 btu	B7103	B7103	GT		C	
⑤	1		DATAFLASH RECORDER	24 lbs		B7108	---	DF		S	
⑥	1		SENOGRAPHE CONTROL CONSOLE WITH RAD SHIELD SCREEN	154 lbs		B7105	---	DC		C	
⑦	1		ACCESSORY STORAGE RACK	110 lbs		B7107	---	---		S	
⑧	1		SENOGRAPHE ACCESSORY RADIATION SHIELD SCREEN	81 lbs		B7105A	---	---		S	

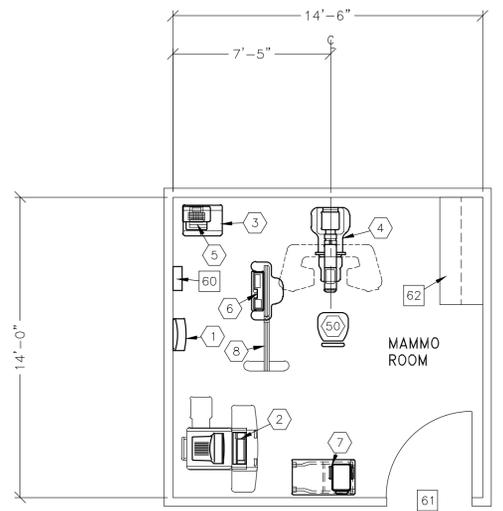
THE FOLLOWING ITEMS, WHICH HAVE BEEN ORDERED FROM GE HEALTHCARE, ARE TO BE INSTALLED BY THE CUSTOMER OR HIS CONTRACTOR.

⑨	1		HYDRAULIC CHAIR				---				
---	---	--	-----------------	--	--	--	-----	--	--	--	--

SCALE: 1/4" = 1'-0" EQUIPMENT LAYOUT REQUIRED CEILING HEIGHT = 8'-0"

This equipment layout indicates the placement and interconnection of the indicated equipment components. There may be federal, state, and/or local requirements that could impact the placement of these components. It remains the Customer's responsibility for ensuring the site and final equipment placement complies with all applicable federal, state, and/or local requirements.

IMPORTANT CUSTOMER READINESS ALERT:
FOR ANALOG SYSTEMS A STABLE FILM PROCESSOR IS REQUIRED, H&D CURVES WITHIN THE MANUFACTURER'S SPECIFICATIONS FOR FILM PROCESSING AND CHEMICALS. FOR DIGITAL SYSTEMS A LASERCAMERA IS REQUIRED. WITHOUT THIS, EXTENSIVE, UNWANTED DELAYS WILL OCCUR. PLEASE MAKE EVERY EFFORT TO ENSURE THAT THESE REQUIREMENTS ARE MET BEFORE THE SCHEDULED DELIVERY OF YOUR MAMMOGRAPHY SYSTEM.



ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	MAIN DISCONNECT, REFERENCE JUNCTION POINT "A" ON SHEET E1 FOR DETAILED DESCRIPTION.
61	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 30 IN. W X 77 IN. H (762mm X 1956mm), CONTINGENT ON A 60 IN. (1524mm) CORRIDOR WIDTH.
62	COUNTER TOP WITH BASE AND WALL CABINETS.

THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.

GENERAL SPECIFICATIONS

- THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT IMPAIRED. CONSULT WITH YOUR LOCAL GEHC SPECIALIST REGARDING ACCEPTABILITY OF OTHER CEILING HEIGHTS.
- CHECK ALL DOOR OPENINGS AND HALLWAYS FROM DELIVERY LOCATION TO WHERE EQUIPMENT IS TO BE INSTALLED TO ENSURE THE ROUTE PHYSICALLY AND STRUCTURALLY WILL ACCOMMODATE THE EQUIPMENT AS SHIPPED.
- RADIATION PROTECTION REQUIREMENTS ARE NOT INDICATED ON THIS PLAN. WHERE NEEDED PER NATIONAL OR LOCAL CODE THEY SHALL BE SPECIFIED BY A QUALIFIED RADIOLOGICAL PHYSICIST.
- THE DEVELOPMENT OF THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, MECHANICAL AND ELECTRICAL SUGGESTIONS IS PREDICATED UPON THE BEST INFORMATION OBTAINABLE FROM THE SITE, COUPLED WITH THE CUSTOMER'S KNOWN DESIRES. ARCHITECTURAL OR ELECTRICAL CHANGES INCLUDING RELOCATION OF EQUIPMENT ILLUSTRATED ON THIS DRAWING IS ALLOWED ONLY WITH NOTIFICATION, IN WRITING, AND REVIEW BY GEHC SERVICE DEPARTMENT. EQUIPMENT OPERATION, SERVICEABILITY, AND RESTRICTING CABLE LENGTHS, ETC., MAKE THIS ESSENTIAL FOR A PROPER IS. GEHC RESERVES THE RIGHT TO MAKE ON THE JOB CHANGES BECAUSE OF CUSTOMER REQUIREMENTS AND/OR OBSTACLES IN CONSTRUCTION, ETC..
- ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.

SITE ENVIRONMENT SPECIFICATIONS

- AMBIENT OPERATING TEMPERATURE: 55°F (13°C) TO 75°F (24°C), MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15°F (9°C)/HOUR.
- HUMIDITY: 30 TO 75 PERCENT NON-CONDENSING, MAXIMUM ALLOWABLE CHANGE OF 10 PERCENT/HOUR.
- ALTITUDE: NOT TO EXCEED 9500 FT. ABOVE SEA LEVEL.
- THE ENVIRONMENT FOR THE SENOGAPHE MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.

MAGNETIC INTERFERENCE SPECIFICATIONS

- MAMMOGRAPHY EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE SPECIFIED PERFORMANCE.

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Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: SENO DMR/SENODIVISION/DATAFLASH
THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ALL APPLICABLE NATIONAL AND LOCAL BUILDING CODES AND TO ALL APPLICABLE ACTUAL CONSTRUCTION PURPOSES. HOWEVER, THE COMPANY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
TYPICAL MAMMO 9-22F
TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22f	01
DATE:	05.Jan.12
DRAWN BY:	KMR
CHECKED BY:	KMR

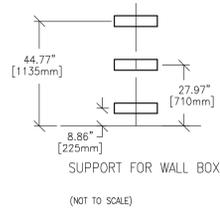
REVISION HISTORY:

SHEET
A1

REQ - 124028 P1M R1

TYPICAL WALL SUPPORT ELEVATIONS

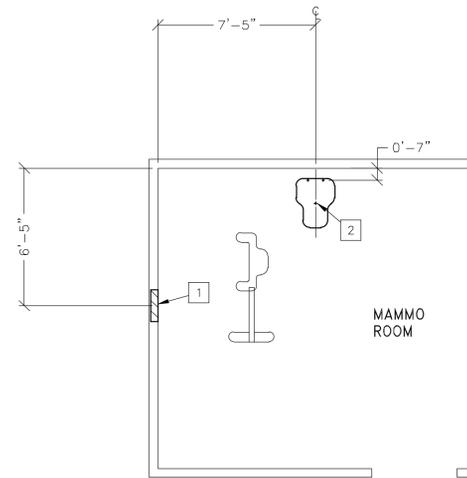
568



SCALE: 1/4" = 1'-0"

STRUCTURAL LAYOUT

REQUIRED CEILING HEIGHT = 8'-0"



STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL 568, FOR SENDIVISION WALL BOX.
2	SENDIGRAPH BASEPLATE AREA

STRUCTURAL NOTES

- METHODS OF SUPPORT FOR THE STEELWORK THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE CONCRETE OR MASONRY ANCHORS IN DIRECT TENSION.
- ALL UNITS THAT ARE WALL MOUNTED OR WALL SUPPORTED ARE TO BE PROVIDED WITH SUPPORTS WHERE NECESSARY. WALL SUPPORTS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER OR HIS CONTRACTORS. SEE PLAN AND DETAIL SHEETS FOR SUGGESTED LOCATIONS AND MOUNTING HOLE LOCATIONS.
- ALL CEILING MOUNTED FIXTURES, AIR VENTS, SPRINKLERS, ETC. TO BE FLUSH MOUNTED, OR SHALL NOT EXTEND MORE THAN 6,35mm (1/4") BELOW THE FINISHED CEILING.
- FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 3,17mm (1/8") IN 3050mm (10'-0")
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.

SHEET TITLE: STRUCTURAL LAYOUT
MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH

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PROJECT TITLE:
TYPICAL MAMMO
9-22F
TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22f	01

DATE: 05.Jan.12
DRAWN BY: KMR
CHECKED BY: KMR

REVISION HISTORY:

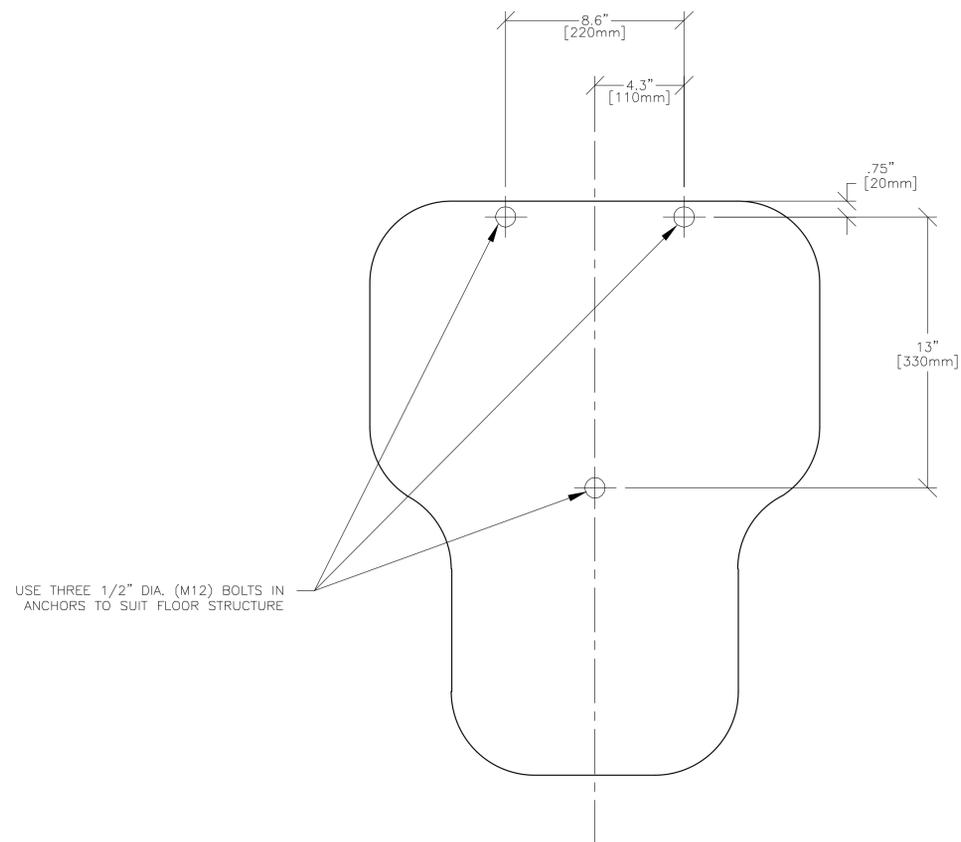
SHEET
S1

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Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

FLOOR MOUNTING DETAIL: SENOGRAPHE DMR INSTALLATION METHODS

B7103A

REV. DATE: 06/26/96



GECGR PROVIDES:

- 3 SCREWS, 3/8" DIA., 3 5/32" LONG (10 x 80mm)
- MAXIMUM PULL STRENGTH ON EACH BOLT: 1102 lbs. (500 dAN)

INSERTS FOR THESE SCREWS ARE TO BE CUSTOMER SUPPLIED.

DETAIL NOT TO SCALE

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ALL APPLICABLE STANDARDS AND REGULATIONS. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
**TYPICAL MAMMO
9-22F**
TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22f	01
DATE:	05.Jan.12
DRAWN BY:	KMR
CHECKED BY:	KMR

REVISION HISTORY:

SHEET
S2



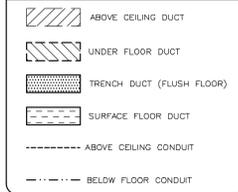
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Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN

REQUIRED CEILING HEIGHT = 8'-0"

DUCT HATCHING LEGEND



ELECTRICAL OUTLET LEGEND

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS. HEIGHT ABOVE FLOOR DETERMINED BY LOCAL CODES UNLESS OTHERWISE SPECIFIED.

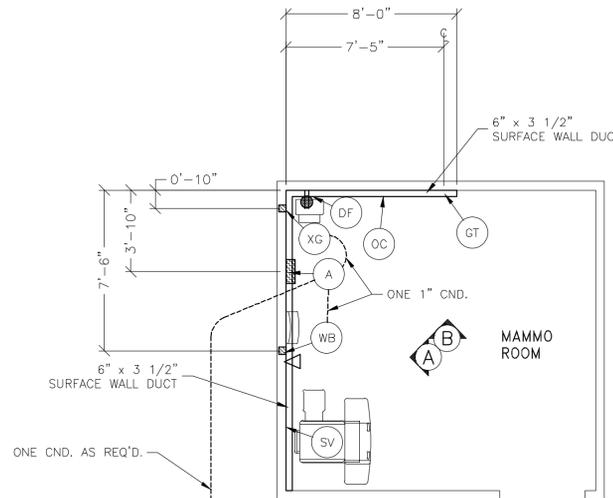
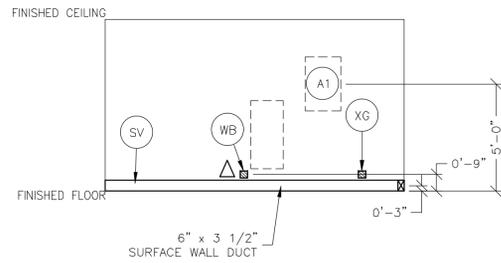


JUNCTION POINT NOTES

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
- CONDUIT AND DUCT RUNS SHALL HAVE SWEEP RADIUS BENDS.
- CONDUITS AND DUCT ABOVE CEILING OR BELOW FINISHED FLOOR MUST BE INSTALLED AS NEAR TO CEILING OR FLOOR AS POSSIBLE TO REDUCE RUN LENGTH.
- CEILING MOUNTED JUNCTION BOXES ILLUSTRATED ON THIS PLAN MUST BE INSTALLED FLUSH WITH FINISHED CEILING.
- ALL DUCTWORK MUST MEET THE FOLLOWING REQUIREMENTS:
 - DUCTWORK SHALL BE METAL WITH DIVIDERS AND HAVE REMOVABLE, ACCESSIBLE COVERS.
 - DUCTWORK SHALL BE CERTIFIED/RATED FOR ELECTRICAL POWER PURPOSES.
 - DUCTWORK SHALL BE ELECTRICALLY AND MECHANICALLY BONDED TOGETHER IN AN APPROVED MANNER.
 - PVC AS A SUBSTITUTE MUST BE USED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES.
- ALL OPENINGS IN ACCESS FLOORING ARE TO BE CUT OUT AND FINISHED OFF WITH GROMMET MATERIAL BY THE CUSTOMER'S CONTRACTOR.
- GENERAL CONTRACTOR TO INSERT PULL CORDS FOR ALL CABLE RUN CONDUITS BETWEEN THE EQUIPMENT ROOM AND THE OPERATORS CONTROL ROOM.
- 10 FOOT PIGTAILS AT ALL JUNCTION POINTS.
- ALL WIRING MUST BE THHN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT INSULATION. ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.
- GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

JUNCTION POINT DESCRIPTIONS

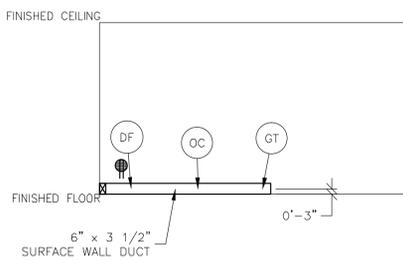
POINT	DESCRIPTION	QTY.	THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR	
			HARDWARE	DETAIL NO., SHT. E3
A	MAIN DISCONNECT	1	120/240V LOAD CENTER WITH LOCKOUT	ELEC-5
		1	30 AMP, 2 POLE RANGE BREAKER (DMR SYSTEM)	ELEC-6
		1	15 AMP, 2 POLE RANGE BREAKER (SENDVISION OPTION)	ELEC-5
		1	15 AMP, SINGLE POLE RANGE BREAKER (DATAFLASH OPTION)	ELEC-6
DF	DATAFLASH RECORDER	1	18 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
GT	GANTRY	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
OC	CONTROL CONSOLE	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
SV	SENDVISION UNIT	1	18 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
WB	SENDVISION WALL BDX	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
		1	4 X 4 X 4 IN. BOX	ELEC-6
		1	1 IN. DIA. CHASE NIPPLE	ELEC-6
		1	COVERPLATE	ELEC-6
XG	GENERATOR	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
		1	4 X 4 X 4 IN. BOX	ELEC-6
		1	1 IN. DIA. CHASE NIPPLE	ELEC-6
		1	COVERPLATE	ELEC-6



FEEDER TABLE REV. DATE: 09/10/02

* CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
 * RECOMMENDED FEEDER SIZES FROM DISTRIBUTION TRANSFORMER TO THE POWER CABINET
 * NEUTRAL MUST BE TERMINATED INSIDE THE MAIN DISCONNECT PANEL AND NOT AT ANY GE CABINET.
 * THE GROUNDING CONDUCTOR () WILL BE OF SAME SIZE AS THE FEEDER WIRES WITH A 1/0 MINIMUM. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE FACILITY POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.
 * IF THE GENERAL ELECTRIC EQUIPMENT IS BEING FED BY A DELTA SECONDARY, IT IS RECOMMENDED THAT THE B PHASE ON THE SECONDARY BE CONNECTED TO GROUND TO PREVENT DAMAGE TO THE SYSTEM.
 * FOR A FULL SYSTEM UPS, REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.
 * NOTE 1: ALL WIRE IMPEDANCES MUST BE 0.2 OHMS OR LESS

MAXIMUM RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE			
	180-220 200	188-228 208	198-244 220	216-264 240
100	3 NO.6 1 NO.8G	3 NO.6 1 NO.8G	3 NO.6 1 NO.8G	3 NO.8 1 NO.8G
200	3 NO.2 1 NO.2G	3 NO.3 1 NO.3G	3 NO.3 1 NO.3G	3 NO.4 1 NO.4G
300	3 NO.0 1 NO.0G	3 NO.0 1 NO.0G	3 NO.1 1 NO.1G	3 NO.2 1 NO.2G
400	3 NO.000 1 NO.000	3 NO.000 1 NO.000G	3 NO.000 1 NO.000G	3 NO.1/0 1 NO.1/0G



GE Healthcare

Healthcare Project Implementation - Design Center

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: SENO DMR/SENDVISION/DATAFLASH

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS, IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO DETAILS IN THE ILLUSTRATED STANDARDS AND TO SELECT THE MOST APPROPRIATE AND ACCEPTABLE CONSTRUCTION PRACTICES. HOWEVER, THE COMPANY ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: TYPICAL MAMMO 9-22F

TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22f	01

DATE: 05.Jan.12
 DRAWN BY: KMR
 CHECKED BY: KMR

REVISION HISTORY:

SHEET E1

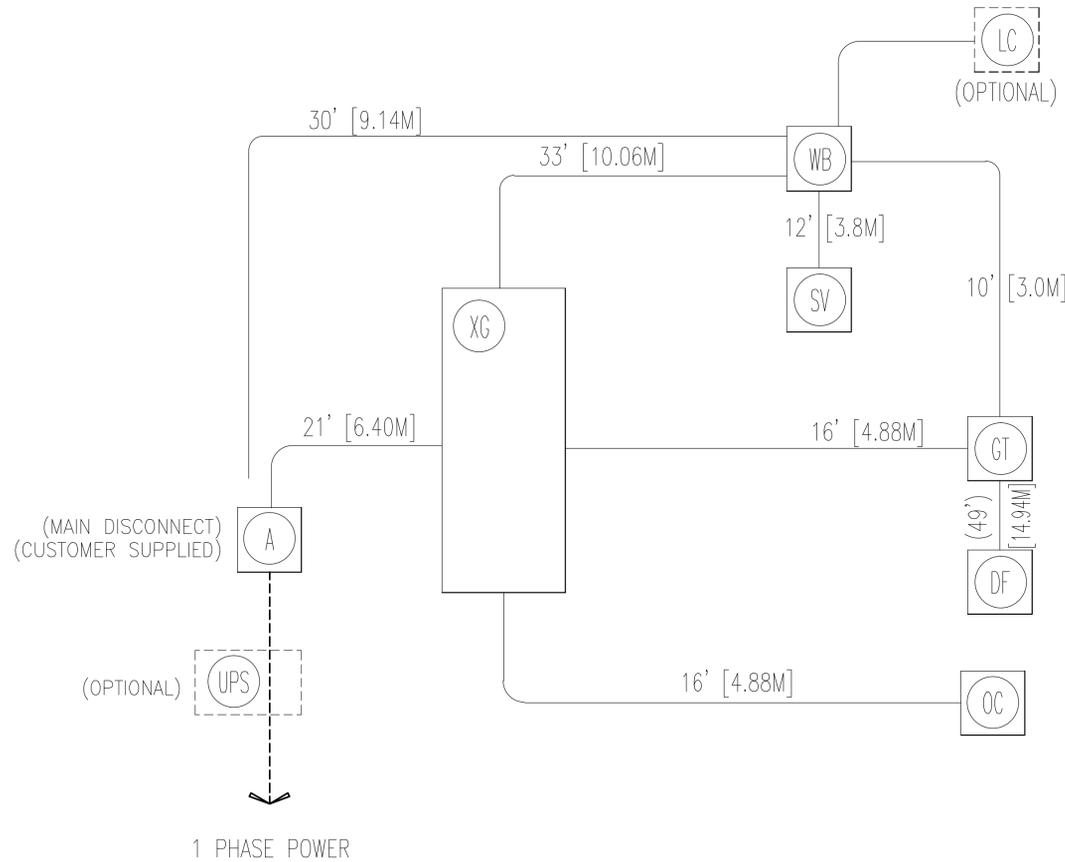
CONTRACTOR SUPPLIED AND INSTALLED WIRING

ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS.

WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
208-V > A	2-BLACK, 1-WHITE, 1-GREEN (REFER TO FEEDER TABLE FOR SIZE)

REQ - 124028 PIM R1

INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

SENOGRAPHE DMR REV. DATE: 12/14/01

VOLTAGE PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
RANGE OF LINE VOLTAGES:
NOMINAL LINE VOLTAGE OF 200V TO 240V 1 PHASE, 50 OR 60 HZ.

MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

TABLE A ALLOWABLE INPUT VOLTAGES/CURRENT DEMAND

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)	MINIMUM STANDARD OVERCURRENT PROTECTION
		MOMENTARY	
200	180 - 220	47	30-A
208	187 - 229	45	30-A
220	198 - 242	43	30-A
240	216 - 264	39	30-A

MAXIMUM MOMENTARY LINE CURRENTS INDICATED AT MINIMUM LINE VOLTAGE.

POWER DEMAND INSTANTANEOUS MAX. POWER DEMAND = 8.5 KVA. UP TO 4.5 SECONDS
7.5 KVA UP TO 10 SECONDS

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	SENO DMR
kVA	8.5
POWER FACTOR	0.61
mA	600
kVp	40

ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE COPPER STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, CUT 10 FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS. ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN A CONDUIT OR DUCT SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER STRANDED AND FREE FROM SPLICES. **ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.**
- NOTE 2: WIRE SIZES GIVEN ARE FOR USE OF EQUIPMENT. LARGER SIZES MAY BE REQUIRED BY LOCAL CODES.
- NOTE 3: IT IS RECOMMENDED THAT ALL WIRES BE COLOR CODED, AS REQUIRED IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 4: CONDUIT SIZES SHALL BE VERIFIED BY THE ARCHITECT, ELECTRICAL ENGINEER OR CONTRACTOR, IN ACCORDANCE WITH LOCAL OR NATIONAL CODES.
- NOTE 5: CONVENIENCE OUTLETS ARE NOT ILLUSTRATED. THEIR NUMBER AND LOCATION ARE TO BE SPECIFIED BY OTHERS. LOCATE AT LEAST ONE CONVENIENCE OUTLET CLOSE TO THE SYSTEM CONTROL, THE POWER DISTRIBUTION UNIT AND ONE ON EACH WALL OF THE PROCEDURE ROOM. USE HOSPITAL APPROVED OUTLET OR EQUIVALENT.
- NOTE 6: GENERAL ROOM ILLUMINATION IS NOT ILLUSTRATED. CAUTION SHOULD BE TAKEN TO AVOID EXCESSIVE HEAT FROM OVERHEAD SPOTLIGHTS. DAMAGE CAN OCCUR TO CEILING MOUNTING COMPONENTS AND WIRING IF HIGH WATTAGE BULBS ARE USED. RECOMMEND LOW WATTAGE BULBS NO HIGHER THAN 75 WATTS AND USE DIMMER CONTROLS (EXCEPT MR). DO NOT MOUNT LIGHTS DIRECTLY ABOVE AREAS WHERE CEILING MOUNTED ACCESSORIES WILL BE PARKED.
- NOTE 7: **ROUTING OF CABLE DUCTWORK, CONDUITS, ETC., MUST RUN DIRECT AS POSSIBLE OTHERWISE MAY RESULT IN THE NEED FOR GREATER THAN STANDARD CABLE LENGTHS (REFER TO THE INTERCONNECTION DIAGRAM FOR MAXIMUM USABLE LENGTHS POINT TO POINT).**
- NOTE 8: CONDUIT TURNS TO HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 9: A SPECIAL GROUNDING SYSTEM IS REQUIRED IN ALL PROCEDURE ROOMS BY SOME NATIONAL AND LOCAL CODES. IT IS RECOMMENDED IN AREAS WHERE PATIENTS MIGHT BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CONDITIONS. CONSULT THE GOVERNING ELECTRICAL CODE AND CONFER WITH APPROPRIATE CUSTOMER ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS TYPE OF GROUNDING SYSTEM.
- NOTE 10: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT BE EXCEEDED.
- NOTE 11: PHYSICAL CONNECTION OF PRIMARY POWER TO GE EQUIPMENT IS TO BE MADE BY CUSTOMERS ELECTRICAL CONTRACTOR WITH THE SUPERVISION OF A GE REPRESENTATIVE. THE GE REPRESENTATIVE WOULD BE REQUIRED TO IDENTIFY THE PHYSICAL CONNECTION LOCATION, AND INSURE PROPER HANDLING OF GE EQUIPMENT.

DIAGRAM KEY

- CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
- GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.
- 59' [18M] MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS.
Feet [Meters]

SHEET TITLE: ELECTRICAL SPECIFICATIONS
MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ALL APPLICABLE STANDARDS, INCLUDING THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE CONSTRUCTION PRACTICES, HOWEVER, THE COMPANY ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
TYPICAL MAMMO 9-22F
TYPICAL INSTALLATION DRAWINGS

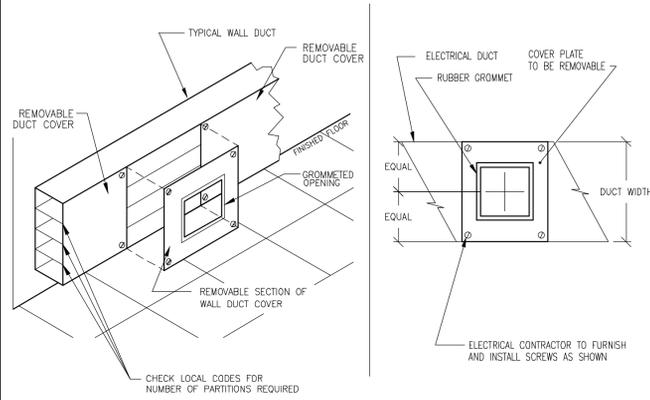
PROJECT	REVISION
9-22f	01
DATE:	05.Jan.12
DRAWN BY:	KMR
CHECKED BY:	KMR

REVISION HISTORY:

SHEET
E2

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

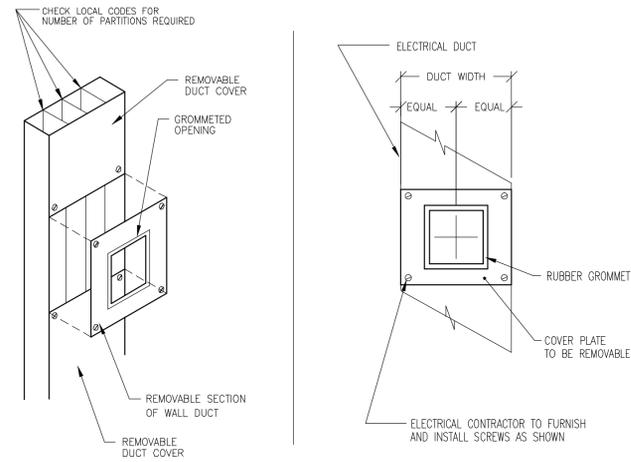
ELEC-5
REV. DATE: 12/02/02



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
VERTICAL WALL DUCT (TYPICAL)

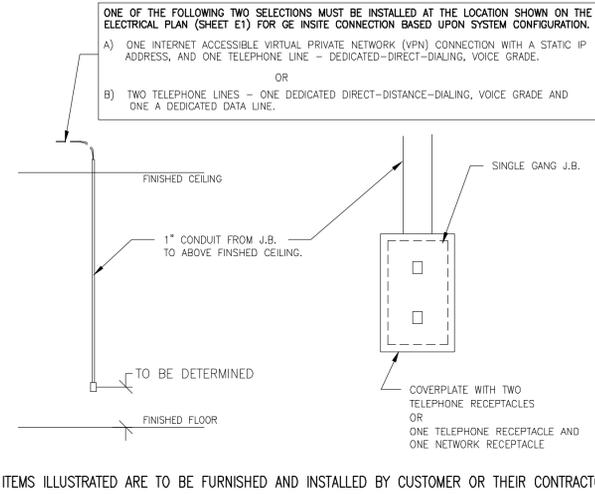
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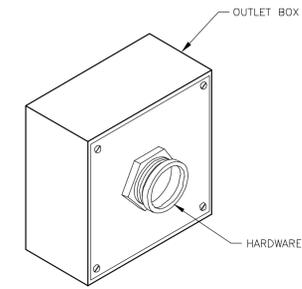
ELECTRICAL DETAIL
INSITE CONNECTION (TYPICAL)

ELEC-1
REV. DATE: 04/24/02



ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL)

ELEC-8
REV. DATE: 09/30/94



SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH

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PROJECT TITLE:
TYPICAL MAMMO
9-22F
TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22f	01

DATE: 05.Jan.12
DRAWN BY: KMR
CHECKED BY: KMR

REVISION HISTORY:

SHEET
E3

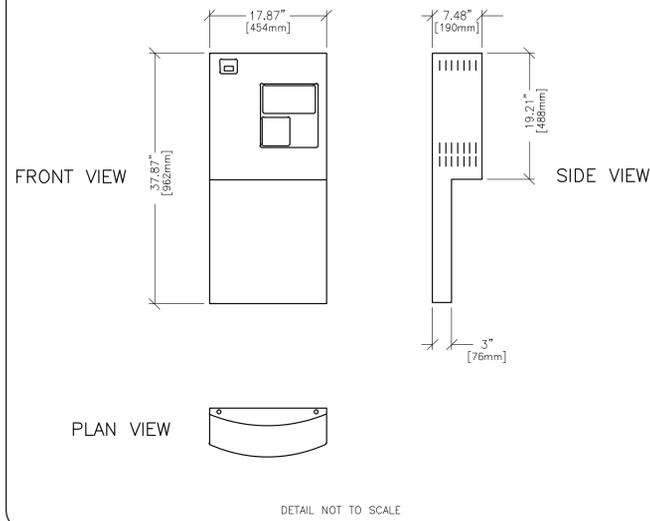
REQ - 124028 PIM R1

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

EQUIPMENT DETAIL
SENOVISION WALL BOX

B7116

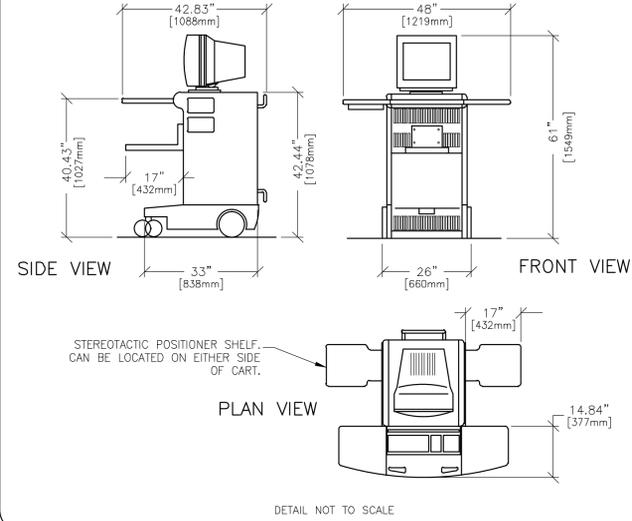
REV. DATE: 01/15/97



EQUIPMENT DETAIL
SENOVISION/SENOGRAPH AWS CART

B7115

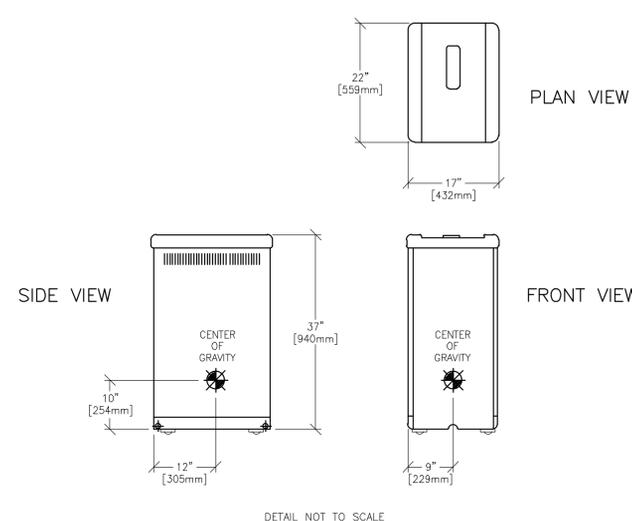
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EQUIPMENT DETAIL
SENOGRAPHE DMR GENERATOR

B71-04

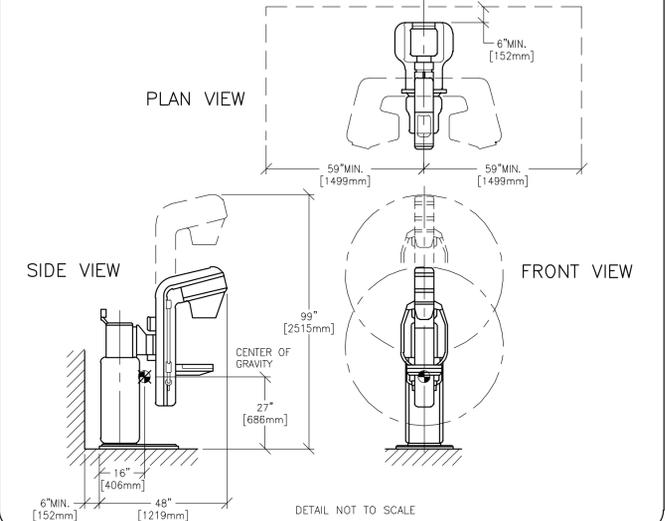
REV. DATE: 08/22/94



EQUIPMENT DETAIL
SENOGRAPHE DMR GANTRY

B71-03

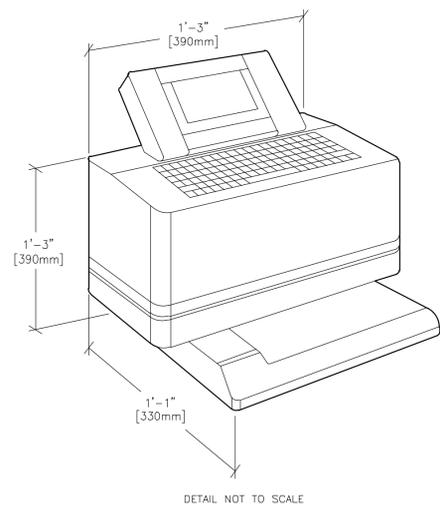
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EQUIPMENT DETAIL
DATAFLASH INFORMATION SYSTEM

B7108

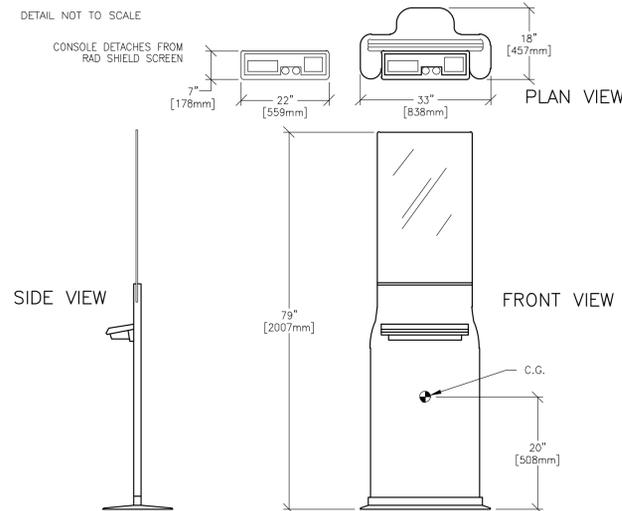
REV. DATE: 01/16/96



EQUIPMENT DETAIL
SENOGRAPHE DMR CONSOLE/RAD SHIELD SCREEN

B71-05

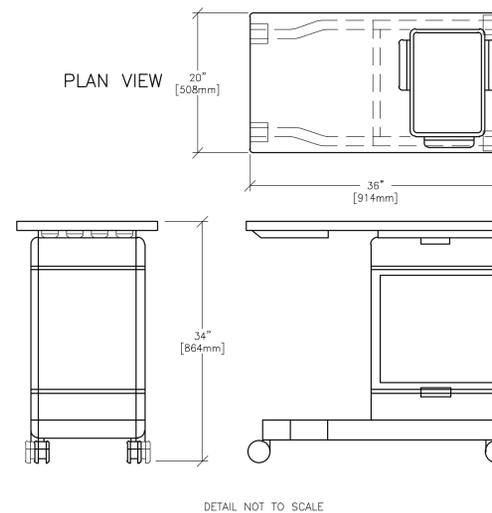
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EQUIPMENT DETAIL
ACCESSORIES STORAGE DEVICE

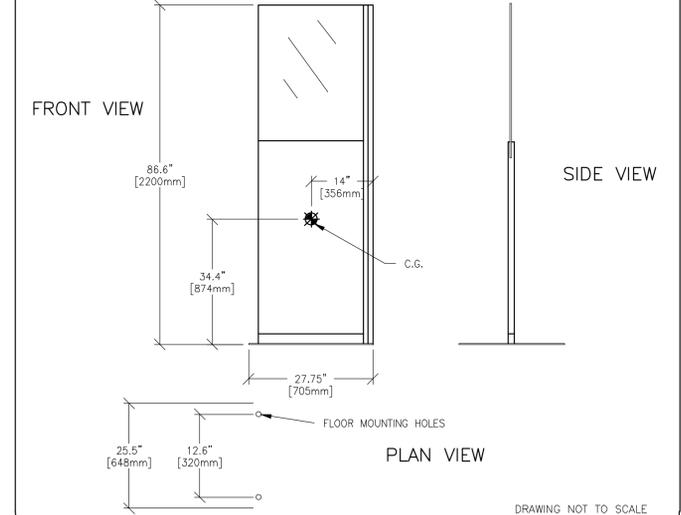
B71-07

REV. DATE: 08/22/94



EQUIPMENT DETAIL
ACCESSORY RADIATION SHIELD SCREEN

B7105A



SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: SENO DMR/SENOVISION/DATAFLASH

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PROJECT TITLE: TYPICAL MAMMO 9-22F

TYPICAL INSTALLATION DRAWINGS

PROJECT	REVISION
9-22F	01

DATE: 05.Jan.12
DRAWN BY: KMR
CHECKED BY: KMR

REVISION HISTORY:

SHEET
D1

REQ - 124028 PIM R1



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