



PRELIMINARY PLANNING ONLY

PROJECT TITLE:
 Lexington VA Medical Center
 CT Room B-152 (Revolution CT)
 Lexington, Kentucky

SCHEME NO.: 15KYA044b DRAWN BY: cmw/ff DATE: Jan. 2, 2018

THIS LAYOUT **MUST** BE APPROVED BEFORE FINAL DRAWINGS CAN BE STARTED. THANK YOU

CUSTOMER _____ DATE: _____

GE INSTALL. SPECIALIST _____ DATE: _____



GE Healthcare

Modality Installation Planning

Milwaukee, Wisconsin

PRELIMINARY FLOOR PLAN
 APPROX. 505 Sq.Ft.

GE EQUIPMENT LISTING

EQUIPMENT QUOTED FROM GE MEDICAL SYSTEMS
 PER QUOTE NO. NA DATED NA
 INSTALLED BY GEMS

ITEM NO.	QUANTITY ORDERED	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT
①	1	REVOLUTION SYSTEM CABINET	701 lbs	9890 btu
②	1	REVOLUTION CT (INCLUDES TABLE BTU'S)	6336 lbs	27157 btu
③	1	PATIENT TABLE WITH EXTENDED TABLE TOP W/ 500 LB PATIENT	2334 lbs	
④	1	POWER DISTRIBUTION UNIT	795 lbs	1201 btu
⑤	1	OPERATOR'S CHAIR		
⑥	1	CONSOLE CABINET & LCD MONITORS	216 lbs	5102 btu

ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM
NO.

ITEM DESCRIPTION
(* INDICATES EXISTING)

- 60 *INJECTOR ELECTRONICS
- 61 *INJECTOR HEAD ON OVERHEAD COUNTERPOISED SUSPENSION.
- 62 MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS
46 IN. W x 78 IN. H [1168.4mm x 1980mm], CONTINGENT
ON A 96 IN. [2438.4mm] CORRIDOR WIDTH
- 63 *X-RAY ON WARNING LIGHT

THE FOLLOWING ITEMS ARE AVAILABLE FROM THE GE MEDICAL
SYSTEMS SERVICE DEPARTMENT. CONTACT YOUR LOCAL GE
MEDICAL SYSTEMS SERVICE REPRESENTATIVE FOR PRICING AND
AVAILABILITY OR CALL 1-800-558-2040.

- 90 MAIN DISCONNECT CONTROL

THE CUSTOMER MUST PROVIDE ONE INTERNET ACCESSIBLE (VPN)
NETWORK CONNECTION UNLESS BASED UPON SYSTEM CONFIGURATION
THAT A DEDICATED DATA TELEPHONE LINE IS ACCEPTABLE

POWER SPECIFICATIONS

REVOLUTION CT

(REV. DATE 10.Dec.13)

VOLTAGE

PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
 RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, 50 OR 60 Hz.

REQUIRED POWER SUPPLY: WYE-CONNECTED

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

TABLE A
 ALLOWABLE
 INPUT
 VOLTAGES/
 CURRENT
 DEMAND

NOMINAL VOLTAGE	ABSOLUTE RANGE	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION
		MAXIMUM	CONTINUOUS	
380	342-418	253	38	150-A
400	360-440	241	36	150-A
420	378-462	229	34	150-A
440	396-484	219	33	125-A
460	414-506	209	31	125-A
480	432-528	200	30	125-A

(ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE)

PHASE-BALANCE.

LINE-TO-LINE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST LINE-TO-LINE VOLTAGE.
 MAXIMUM TRANSIENT VOLTAGE IS 1500 V PEAK.

VOLTAGE TRANSIENT OR IMPULSE ON THE INCOMING POWER MUST BE HELD TO A MINIMUM. TRANSIENTS CAUSED BY LIGHTNING, SURGES, LOAD SWITCHING, STATIC ELECTRICITY ETC. CAN CAUSE SCAN ABORTS OR, IN EXTREME INSTANCES, COMPONENT FAILURE IN THE COMPUTER SUBSYSTEM.

POWER DEMAND

AVERAGE POWER DEMAND = 30 KVA (MAX DEMAND = 150 KVA)

TABLE B
 MAXIMUM
 MOMENTARY
 POWER
 DEMAND.

DEMAND	CT HiSpeed
kVa *	150
POWER FACTOR AT	0.85

* TOTAL LOAD REGULATION, MEASURED AT THE PDU TERMINALS, SHALL NOT EXCEED 6%.

DISTRIBUTION TRANSFORMER

FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 225 KVA. GE DOES NOT RECOMMEND USING A REGULATION DEVICE.

NOTE: THE CT SYSTEM MUST NOT BE POWERED IN A MULTIPLE INSTALLATION WHERE FILM CHANGERS ARE USED. FILM CHANGERS UTILIZE A LARGE NUMBER OF HIGH POWERED CLOSELY SPACED EXPOSURES WHICH MAY COINCIDE WITH THE CT SCAN.