



PRELIMINARY PLANNING ONLY

PROJECT TITLE:

Lexington VA Medical Center  
CT Room B-152 (Revolution CT)

Lexington, Kentucky

SCHEME NO.: 15KYA044b DRAWN BY: cmw/rf 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

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
<b>480</b>	<b>432-528</b>	<b>200</b>	<b>30</b>	<b>125-A</b>

(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.