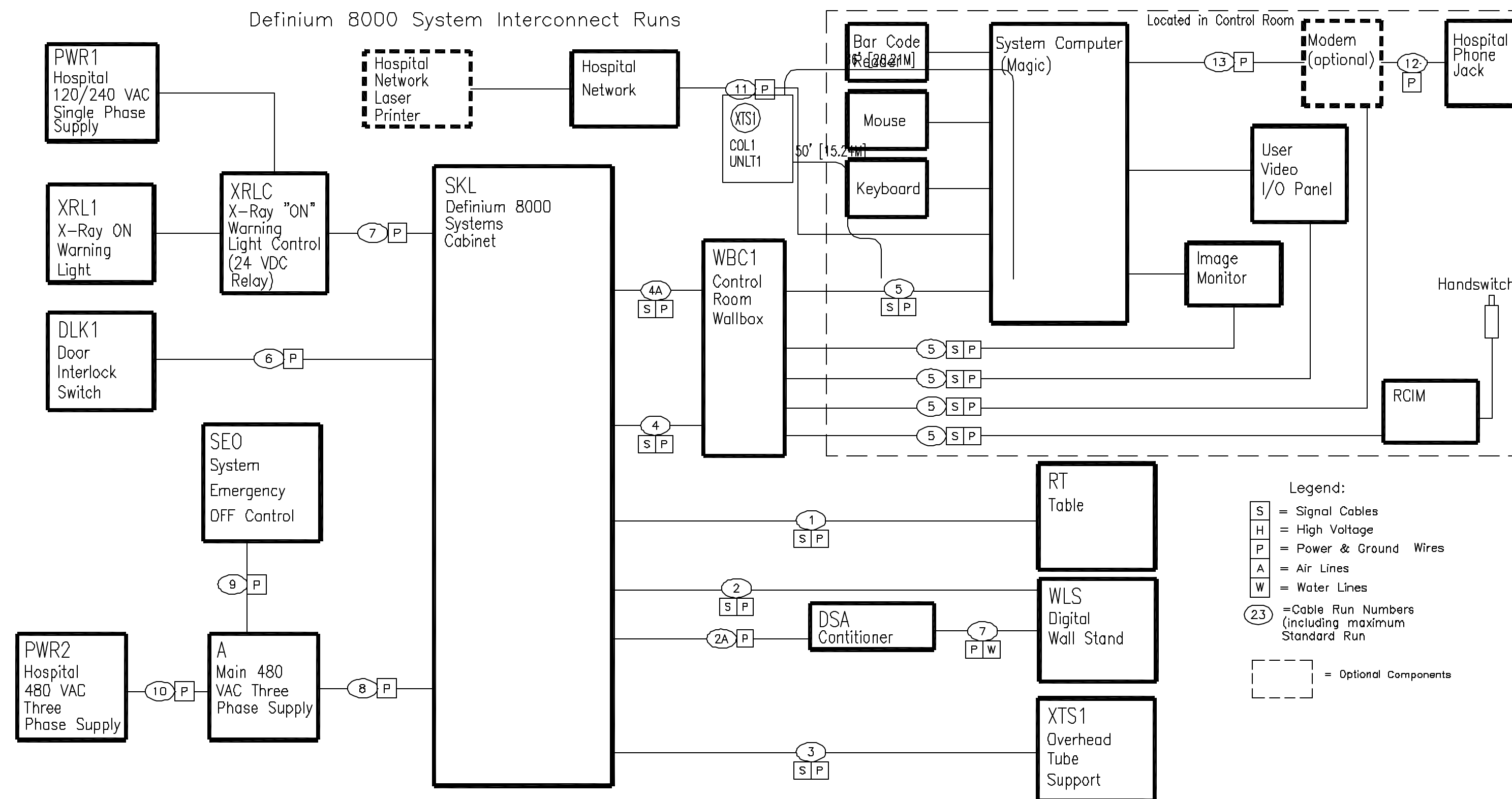


INTERCONNECT DIAGRAM



Run Number	MIS Number	Description	Short Cables (Standard)	Long Cables (Optional)	Usable Length	Usable Length	Usable Length	Voltage Rating	
			Part Number	Part Number	Total Length	Total Length	Total Length		
1 - System Cabinet to Table	11632A	Table CANopen	2407432-35	2407432-36	15	20	17.5	300	
	11750A	Table Ion Chamber	2407432-4	2407432-9	15	20	17.5	300	
	11753A	Table Detector PS 120VAC	2407432-4	2407432-12	15	20	17.5	300	
	11754A	Table Emergency Stop RT Line	2407432-5	2407432-13	15	21	18.5	300	
	11752A	Table Ground (Det. 1)	2407432-2	2407432-10	15	20	17.5	600	
	20004	Table Power Conditioner Status	5139187-1	5139187-2	15	21	18.5	300	
	20005	Table Power 220VAC	5139187-3	5139187-4	15	20	17.5	600	
	20018	WallStand CAN	5139187-12	5139187-13	15	20	17	300	
	2 - System Cabinet to Wallstand	11759A	WallStand Ion Chamber	2407432-32	2407432-31	15	20	17	300
		11756A	WallStand Power 120VAC	2407432-7	2407432-15	15	20	16.25	600
11757A		WallStand Ground	2407432-8	2407432-16	15	20	17	600	
11755A		WallStand Conditioner 120VAC (Det. 2)	2407432-6	2407432-14	15	20	18	600	
3 - System Cabinet to OTS	20012	OTS CAN	5139257	5139257-7	15	20	18.5	300	
	20013	OTS Tube 1 Stator / Fan & Pressure Switch (2 cables in bundles)	5139257-2	5139257-8	15	20	18.5	600/300	
	20014	OTS Power	5139257-3	5139257-9	15	20	18.5	600	
	20015	OTS Tube 1 Cathode	5139257-4	5139257-10	15	20	18.5	75kV	
	20016	OTS Tube 1 Anode	5139257-5	5139257-11	15	20	18.5	75kV	
	20017	OTS Ground	5139257-6	5139257-12	15	20	19	600	
4 - System Cabinet to Console Wallbox	11750A	Generator (lead) CAN	2407432-17	na	20	na	na	300	
	11761A	System CAN Open	2407432-18	na	20	na	na	300	
	11763A	Control Room Power Ground	2407432-20	na	20	na	na	600	
	11764A	RCM	2407432-21	na	20	na	na	600	
	20007	RCM	5139187-7	na	20	na	na	600	
	20008	Table Chiller Serial A	5139187-8	na	20	na	na	300	
	20009	DSA Chiller Serial B	5139187-9	na	20	na	na	300	
	11775A	Ground	2407432-41	2407432-42	18	23	19	600	
	11590A	External Ethernet (customer supplied)	na	na	na	na	na	na	
	11767A	Generator (lead) CAN	2407432-24	na	3	na	na	300	
5 - Wallbox to System Computer or Control Components	11768A	System CAN Open	2407432-25	na	3	na	na	300	
	11770A	120VAC from PDU	2407432-27	na	3	na	na	300	
	11769A	RCM	2407432-26	na	3	na	na	300	
	20011	DSA Chiller Serial	5139187-11	na	3	na	na	300	
	20010	Table Chiller Serial	5139187-10	na	3	na	na	300	
	11774A	120VAC for right monitor	2407432-39	na	3	na	na	300	
	11775A	120VAC for left monitor	2407432-40	na	3	na	na	300	
	20002	Ethernet - Wallstand Detector	5138766	na	50	42	na	125	
	20003	Ethernet - Table Detector	5138766-2	na	50	43.5	na	125	
	20019	Power Supply CAN	5152154	na	2	1	na	300	
7 - Wallstand to DSA	20020	Detector Power (DC)	5152155	na	2	1	na	???	
	11583A	Ground	2231833	na	1.5	1	na	600	

POWER SPECIFICATIONS

JEDI 80kw SYSTEMS CABINET REV. DATE: 02/22/06

VOLTAGE PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS. RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, WITHOUT NEUTRAL, 50 OR 60 HZ.

REQUIRED POWER SUPPLY: WYE DISTRIBUTION

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

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION
		MAX. MOMENTARY	CONTINUOUS	
380	342-418	190	7	100-A
400	360-440	181	6.6	90-A
415	373-456	172	6.3	90-A
440	396-484	164	6	90-A
460	414-506	157	5.8	80-A
480	432-528	151	5.5	80-A

ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE

NOTE LOW LINE CONDITIONS MAY INHIBIT SOME HIGH kVp TECHNIQUES. THE GENERATOR AUTOMATICALLY ESTABLISHES THESE INHIBITS BASED ON ACTUAL LINE CONDITIONS AND SYSTEM REGULATION.

PHASE-BALANCE PHASE-TO-PHASE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE EXCURSIONS ARE 2.5 PERCENT OF RATED LINE VOLTAGE AT A MAXIMUM DURATION OF 5 CYCLES AND FREQUENCY OF 10 TIMES PER HOUR.

POWER DEMAND CONTINUOUS POWER DEMAND = 4.6 KVA. (MAX DEMAND = 125 KVA)

DEMAND	PRECISION 80 KW
kVA * POWER FACT AT	125 0.73
mA	630
kVp	80

* DEMAND INCLUDES POWER FOR ENTIRE SYSTEM. LINE VOLTAGE REGULATION AT MAXIMUM POWER DEMAND MUST BE LESS THAN OR EQUAL TO 6 PERCENT.

DISTRIBUTION TRANSFORMER FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 150 KVA.

ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, COPPER ONLY, CUT 10 FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS, UNLESS OTHERWISE SPECIFIED. ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN CONDUIT OR DUCT SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER AND FREE FROM SPLICES.
- 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., OTHER THAN SHOWN ON THIS DRAWING 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 A QUALIFIED 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.

GE Healthcare Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS
 MODALITY TYPE: DEFINIUM 8000

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING, DETAILS AND ROOM ARRANGEMENTS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE ROOMS TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

PROJECT TITLE:
**MERCY HOSPITAL
 FORE RIVER
 PORTLAND, MAINE**

PROJECT	REVISION
065693	00
DATE:	09-15-06
DRAWN BY:	PG
CHECKED BY:	TST
QUOTE NO.:	attached
QT. DATE:	09-07-06

REVISION HISTORY:

SHEET
E2