

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

ELECTRICAL PLAN

EXISTING CEILING HEIGHT = 9'-2"

FEEDER TABLE ADVANTX HF 65/REVOLUTION 65
REV. DATE: 12/23/05
* 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 SYSTEM CABINET.
* THE GROUNDING CONDUCTOR (1) 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.
* * MINIMUM WIRE SIZE FOR CIRCUIT BREAKER, BASED ON RECOMMENDED OVERCURRENT PROTECTION.
* FOR A FULL SYSTEM UPS, REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.

POWER SUPPLY VOLTAGE

RUN LENGTH IN FEET	342-418 360		360-440 400		378-462 400		396-484 440		414-506 460		432-528 480	
	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND
50	* 4	(1/0)	* 4	(1/0)	* 4	(1/0)	* 4	(1/0)	* 4	(1/0)	* 4	(1/0)
100	3	(1/0)	4	(1/0)	4	(1/0)	4	(1/0)	4	(1/0)	* 4	(1/0)
150	1	(1/0)	2	(1/0)	2	(1/0)	3	(1/0)	3	(1/0)	4	(1/0)
200	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	2	(1/0)	2	(1/0)
250	2/0	(2/0)	2/0	(2/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)
300	3/0	(3/0)	3/0	(3/0)	2/0	(2/0)	2/0	(2/0)	1/0	(1/0)	1/0	(1/0)
350	4/0	(4/0)	3/0	(3/0)	3/0	(3/0)	2/0	(2/0)	2/0	(2/0)	1/0	(1/0)
400	250M	(250M)	4/0	(4/0)	4/0	(4/0)	3/0	(3/0)	3/0	(3/0)	2/0	(2/0)

ELECTRICAL OUTLET LEGEND

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

- DUPLEX HOSPITAL GRADE, DEDICATED WALL OUTLET 120-V, SINGLE PHASE POWER
- DEDICATED TELEPHONE LINE(S) (SEE ELECTRICAL DETAIL ELEC-1)
- NETWORK OUTLET (SEE ELECTRICAL DETAILS ELEC-83 AND ELEC-84)

DUCT HATCHING LEGEND

- ABOVE CEILING DUCT
- UNDER FLOOR DUCT
- TRENCH DUCT (FLUSH FLOOR)
- SURFACE FLOOR DUCT
- CABLE TRAY
- ABOVE CEILING CONDUIT
- BELOW FLOOR CONDUIT

JUNCTION POINT NOTES

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMERS 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 CUSTOMERS 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.
- GROUNDINGS IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

NOTE: USE EXISTING DUCT/CONDUITS WHERE POSSIBLE. ADDITIONAL DUCT/CONDUIT RUNS MAY BE NECESSARY IF EXISTING SYSTEM IS INADEQUATE IN SIZE AND/OR LOCATION FOR THIS INSTALLATION. VERIFY EXISTING SIZE AND LOCATION.

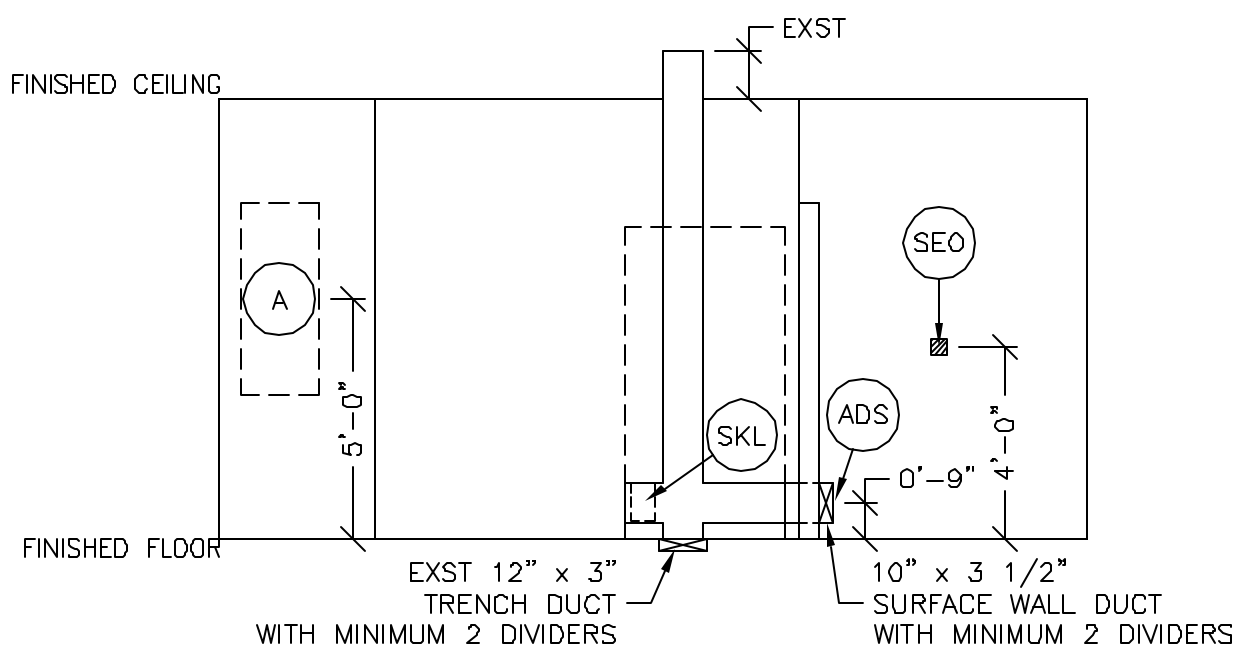
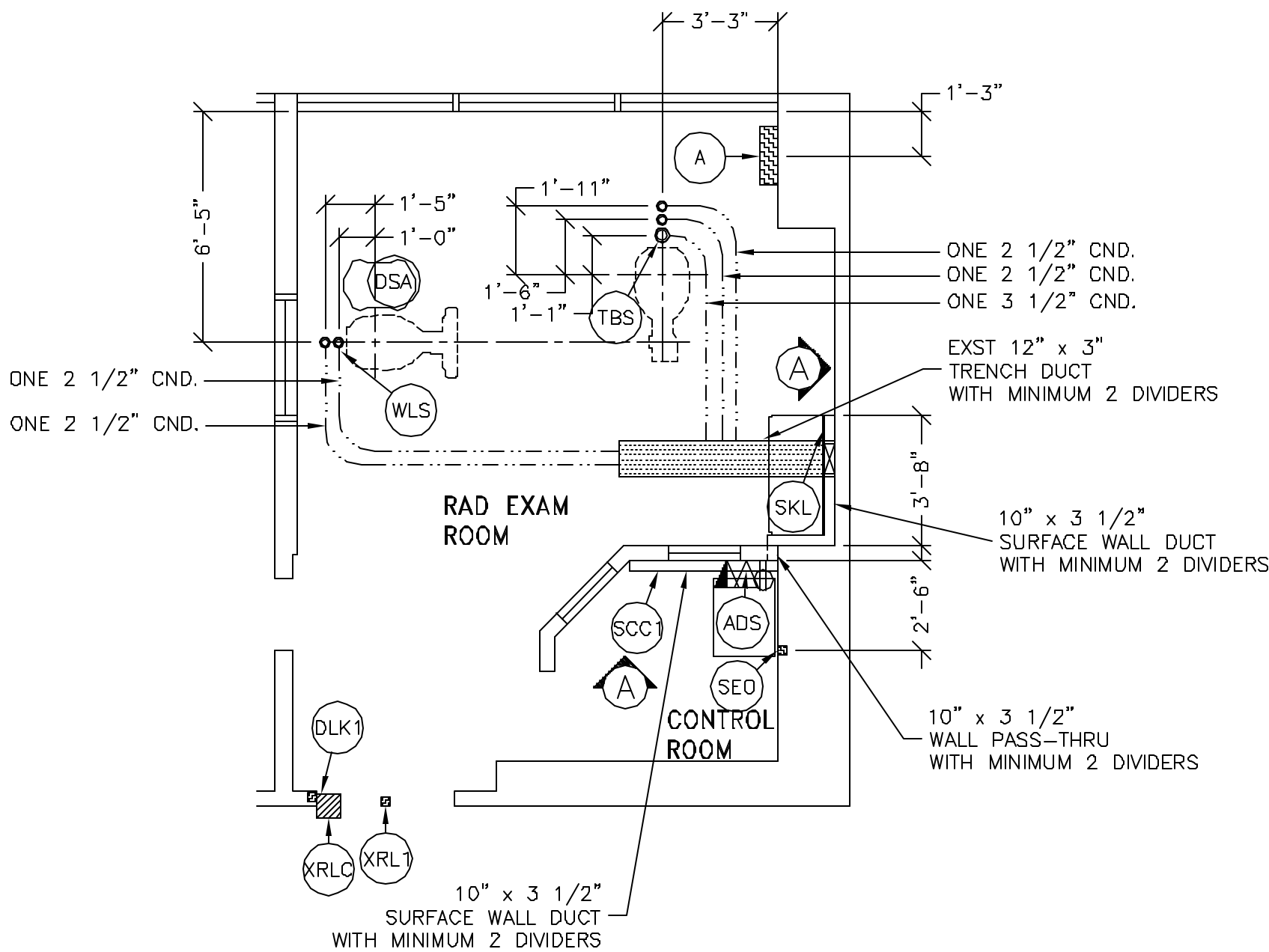
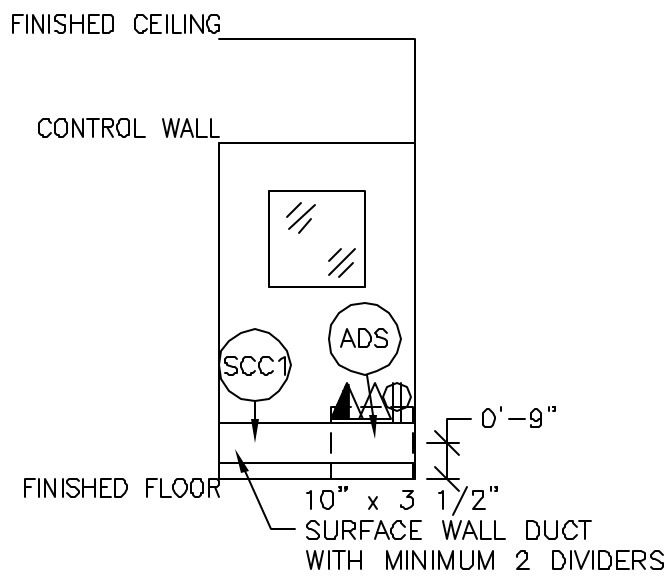
PLEASE SEE BELOW FOR ADDITIONAL REQUIRED CONDUIT RUNS AND SIZES.

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 AVAILABLE FROM GEHC, CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MANAGER	1	80-AMP CIRCUIT BREAKER PANEL GEIMS CAT. NO. E4502ST OR WITH AUTO RESTART FEATURE-E4502SP. EMERGENCY OFF PUSHBUTTON STATION IS INCLUDED	ELEC-15
ADS	ADS COMPUTER	1	SAME ROUTING AS SCC1	
DLK1	DOOR SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)	1	ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN <24V>	
DSA	DETECTOR SUPPORT ASSEMBLY	1	CONNECT EXTERNALLY	
SCC1	OPERATORS CONSOLE	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5
SEO	EMERGENCY OFF	1	PROVIDE A SINGLE GANG, 2 1/2 IN. DEEP, FLUSH MOUNTED WALL BOX	ELEC-16
SKL	TRANSFORMER	1	32 IN. OF GROMMET MATERIAL FOR AN 8 X 8 IN. OPENING IN DUCT COVER	ELEC-5
TBS	X-RAY TUBE STAND	1	3 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
WLS	CHEST UNIT	2	2 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
XRL1	WARNING LIGHT	1	COVER PLATE SINGLE GANG BOX	
		1	X-RAY ON INCANDESCENT LIGHT FIXTURE - DO NOT USE FLUORESCENT FIXTURES.	
XRLC	WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC, CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MANAGER	1	E4502RL WARNING LIGHT CONTROL OR EQUIVALENT, MAX 24V CONTROLLER	ELEC-72

* NOTE:

THIS SYMBOL DENOTES AN EXISTING LINE SWITCH, LOAD CENTER, ELECTRICAL BOX AND/OR JUNCTION POINT CONNECTION. USE EXISTING ITEM(S) IF ADEQUATE FOR THIS INSTALLATION. IF EXISTING ITEMS ARE DEEMED INADEQUATE UPON FIELD INSPECTION CUSTOMER OR THEIR CONTRACTOR SHALL SUPPLY AND INSTALL THE RECOMMENDED ITEM(S) LISTED ABOVE.



ADDITIONAL CONDUIT RUNS FOR REVOLUTION XQ/i, XR/d, 2X & DEFINIUM 8000 (BY CONTRACTOR)

CONDUITS REQUIRED FOR BASE SYSTEM (CONDUITS ARE LOCATED ABOVE CEILING)

REV DATE: 10/01/08			
XRLC	TO	XRL1	ONE 1/2" CND.
XRLC	TO	SKL	ONE 1/2" CND.
XRLC	TO	120-V 1Ø POWER	CND. AS REQ'D
A	TO	SKL	ONE CND. AS REQ'D
A	TO	SEO	ONE 1/2" CND.
A	TO	FEEDER	ONE CND. AS REQ'D
DLK1	TO	SKL	ONE 1/2" CND.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

Drawn by: CHRIS CHRISTOPHERSON Octel no.: 5603729
GE Installation
Project Manager: RANDY HAY
Telephone no.: (516) 987-7302

NOTE: CABLE LENGTHS LISTED MAY DIFFER FROM WHAT IS INCLUDED WITH REINSTALLED SYSTEM. CONTACT THE LOCAL FIELD ENGINEER FOR ACTUAL LENGTHS TO BE DELIVERED.

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: REVOLUTION XQi

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT. GE HEALTHCARE MAKES NO REPRESENTATION OR WARRANTY IN PREPARING THIS PLAN. EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR CONSTRUCTION OR INSTALLATION PURPOSES. GE HEALTHCARE ACCEPTS NO RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

VA BROOKLYN
MEDICAL CENTER
BROOKLYN, NEW YORK

PROJECT TITLE:

PROJECT	REVISION
111639	00

DATE: 01.JUL.11
DRAWN BY: CPC
CHECKED BY: REK

REVISION HISTORY:

SHEET

E 1

PL-25

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

This drawing is based on Sketch No.: 11mee047 VA Brooklyn XQi revision

PIM R3

RQ - 119540

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED