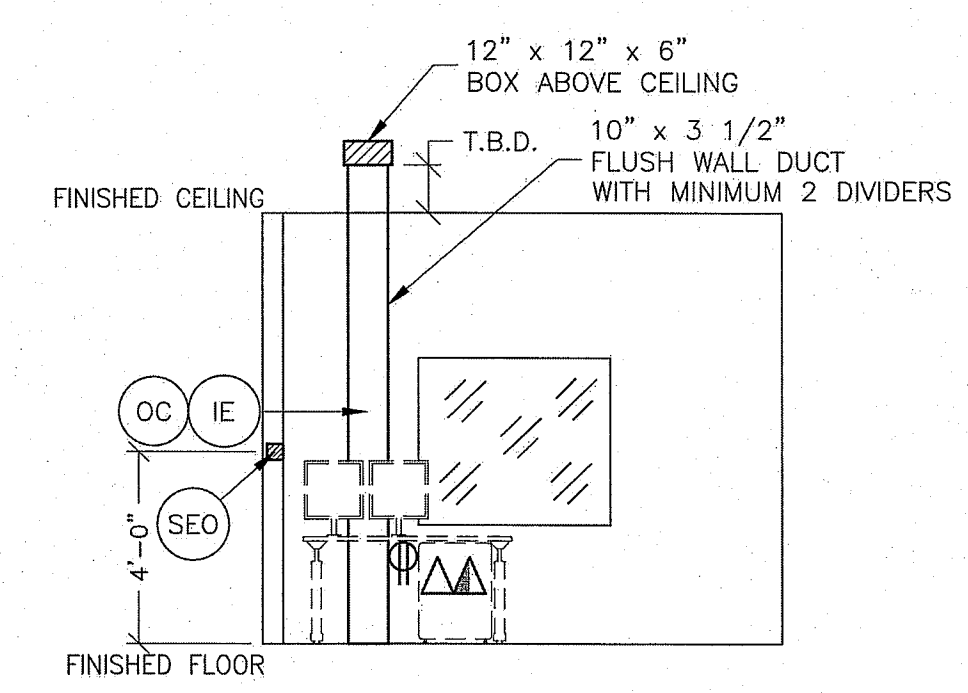


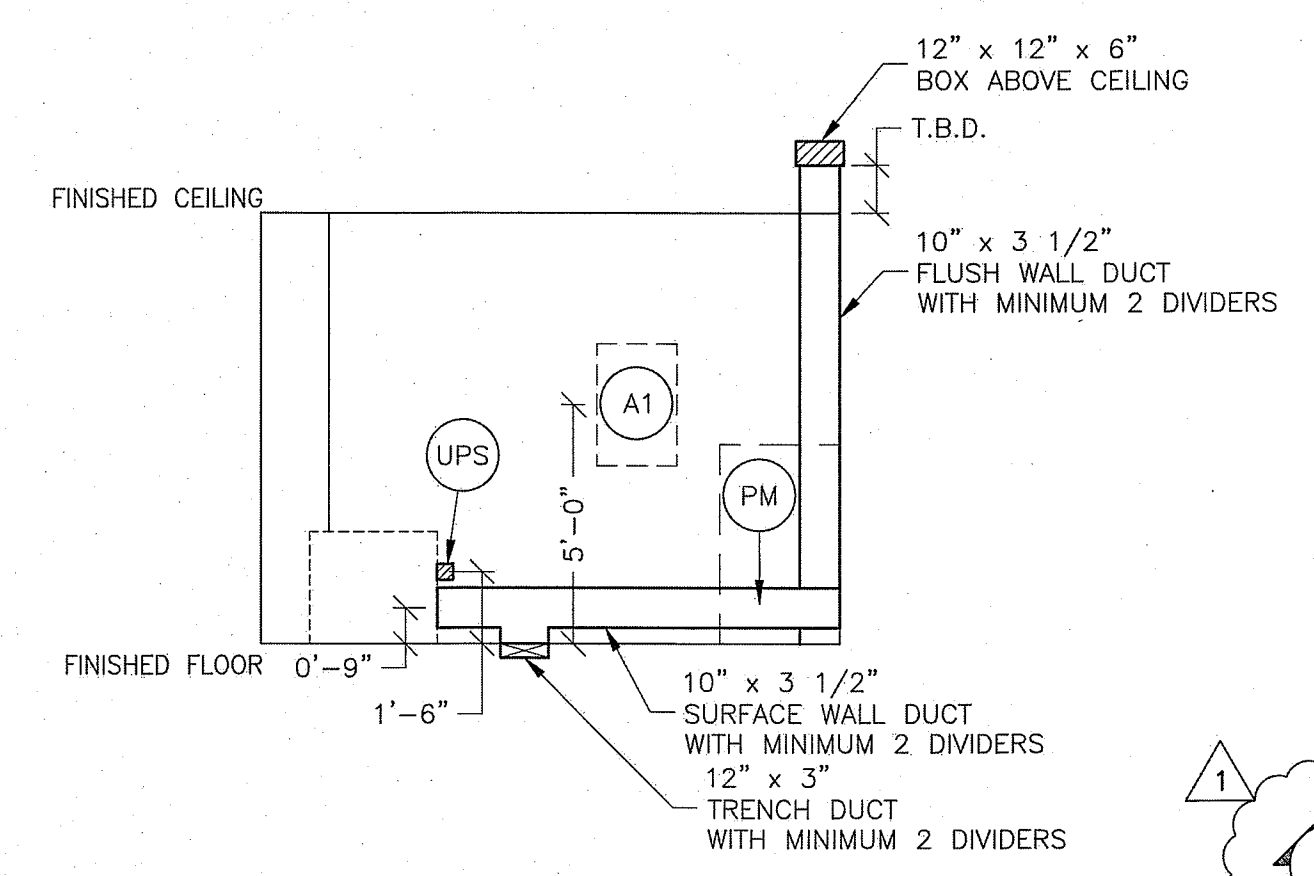
SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN

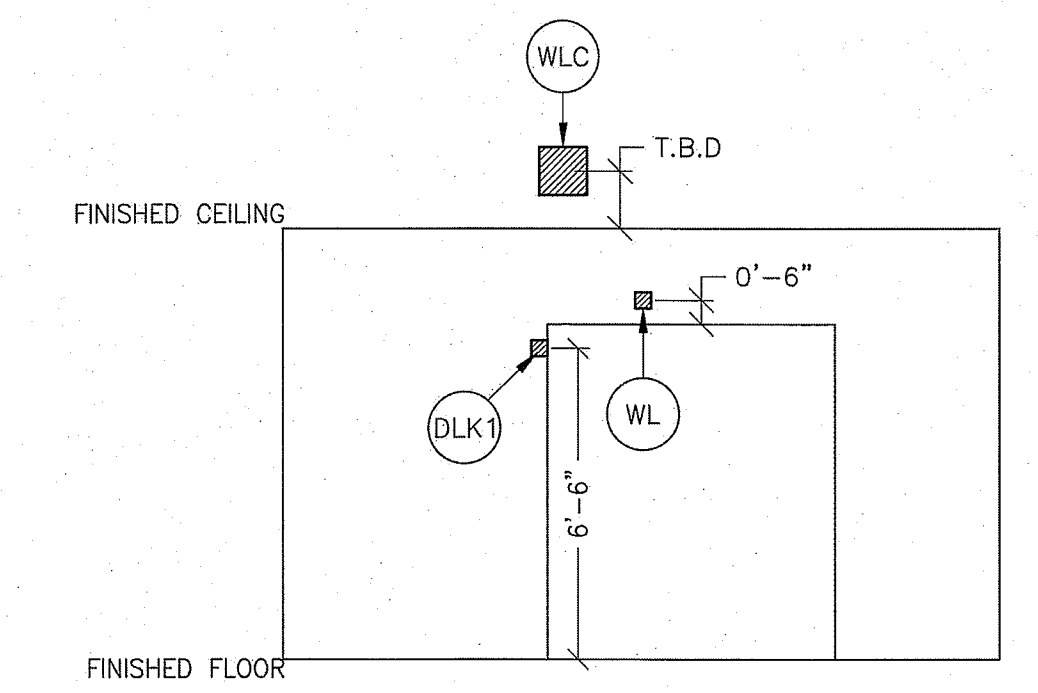
RECOMMENDED CEILING HEIGHT = 9'-0"



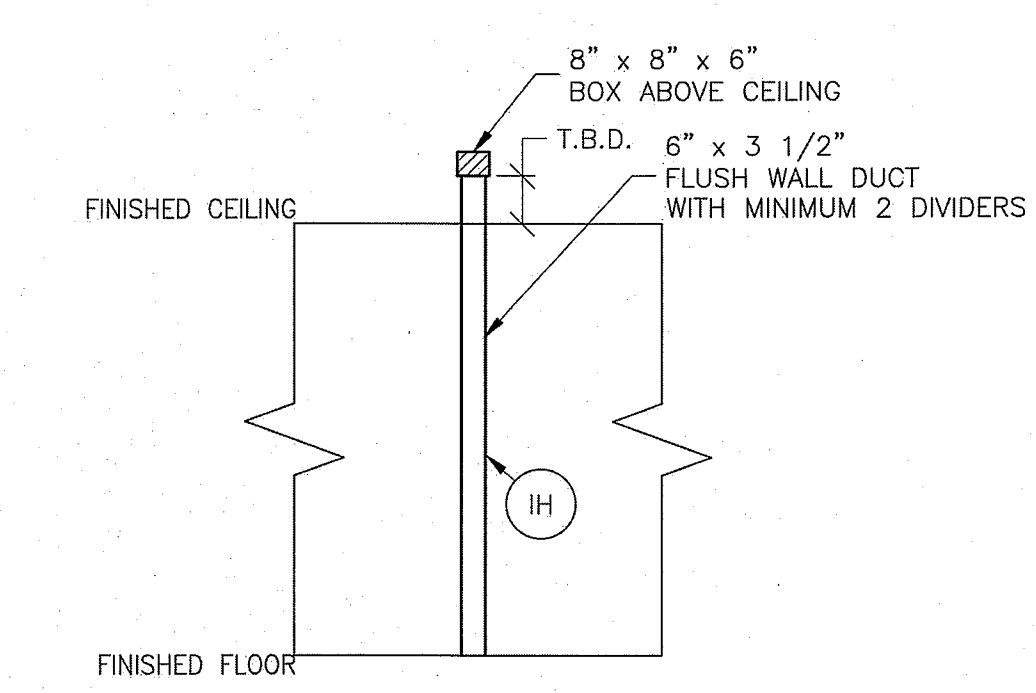
A



B

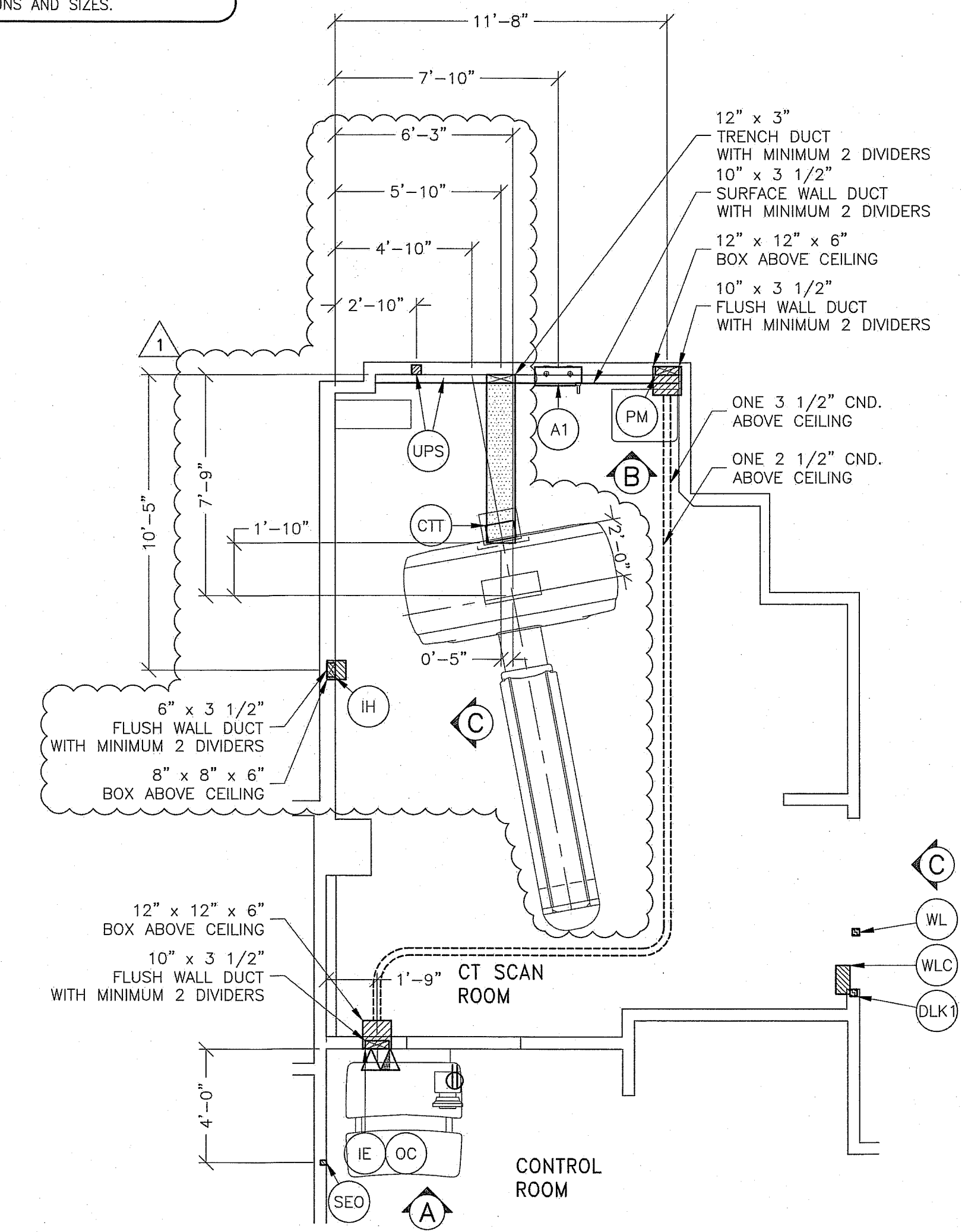


C



D

PLEASE SEE BELOW FOR ADDITIONAL REQUIRED CONDUIT RUNS AND SIZES.



JUNCTION POINT NOTES

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, CABLE TRAY, 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.	HARDWARE	DETAIL NO., SH. E3
A1	MAIN DISCONNECT	1	PANEL - INCLUDED IN ORDER	ELEC-135
CTT	CT SCANNER	3	3 1/2 IN. DIA. CHASE NIPPLES	ELEC-25
DLK1	DOOR SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)	1	SINGLE GANG BOX ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (24V)	
IE	INJECTOR ELECTRONICS	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
IH	INJECTOR HEAD	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
OC	OPERATORS CONSOLE	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
PM	POWER DISTRIBUTION UNIT	1	SPLIT COVERPLATE 12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
SE0	EMERGENCY OFF	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
UPS	UPS CABINET	1	16 FT. LENGTH OF 2 IN. FLEXIBLE METAL CONDUIT SUITABLE CONNECTORS 1 1/2 X 16 X 4 IN. BOX 6 FT. LENGTH OF 1/2 IN. FLEXIBLE METAL CONDUIT	ELEC-9
WLC	WARNING LIGHT	1	COVERPLATE 1 1/2 IN. DIA. CHASE NIPPLE 1 1/2 IN. DIA. BUSHING & LOCKNUT 1 1/2 IN. DIA. BUSHING & LOCKNUT (IF OPTIONAL 2 IN. CONDUIT IS USED, ADD THE FOLLOWING) 4 X 4 X 4 IN. BOX 1 COVERPLATE.	ELEC-8
WLC	WARNING LIGHT CONTROLLER	1	4502RL WARNING LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER	ELEC-72

FEEDER TABLE - CT LightSpeed Pro16/RT/VCT, DISCOVERY CT Series/590, OPTIMA CT580

o CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
 o MINIMUM FEEDER SIZES FROM DISTRIBUTION TRANS. TO POWER DISTRIBUTION UNIT.
 o THE RECOMMENDED GROUNDING CONDUCTOR () WILL BE A 1/0 MINIMUM. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.
 o NEUTRAL MUST BE TERMINATED PRIOR TO OR INSIDE THE MAIN DISCONNECT PANEL AND NOT BROUGHT INTO THE POWER DISTRIBUTION UNIT.
 o FOR A FULL SYSTEM UPS REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE					
	342-418 380	360-440 400	378-462 420	396-484 440	414-506 460	432-528 480
50	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)
100	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)
150	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)
200	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)	FEEDER (1/0)
250	FEEDER (2/0)	FEEDER (2/0)	FEEDER (2/0)	FEEDER (2/0)	FEEDER (2/0)	FEEDER (2/0)
300	FEEDER (3/0)	FEEDER (3/0)	FEEDER (3/0)	FEEDER (3/0)	FEEDER (3/0)	FEEDER (3/0)
350	FEEDER (4/0)	FEEDER (4/0)	FEEDER (4/0)	FEEDER (4/0)	FEEDER (4/0)	FEEDER (4/0)
400	FEEDER (250M)	FEEDER (4/0)	FEEDER (3/0)	FEEDER (3/0)	FEEDER (3/0)	FEEDER (2/0)

REV. DATE: 08.Oct.14

ADDITIONAL CONDUIT RUNS FOR ALL LIGHTSPEED, DISCOVERY, BRIGHTSPEED, OPTIMA SYSTEMS, REVOLUTION EVO, REVOLUTION DISCOVERY CT, HISPEED QX/1, & BRIVO 385 (BY CONTRACTOR)

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

WLC TO WLC	ONE 1/2" CND.
WLC TO PM	ONE 1/2" CND.
PM TO A1	ONE CND. AS REQ'D
A1 TO SE0	ONE 1/2" CND.
A1 TO FEEDER	ONE CND. AS REQ'D
WLC TO 120-V 1P POWER	CND. AS REQ'D
DLK1 TO PM	ONE 1/2" CND.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FOR INJECTORS: MEDRAD STELLANT & ENVISION (CONDUITS ARE LOCATED ABOVE CEILING)

IE TO IH	ONE 2 1/2" CND.
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REV DATE: 03/04/11

CONDUITS REQUIRED FOR UPS (CONDUITS ARE LOCATED ABOVE CEILING)

UPS TO A1	ONE 1 1/4" CND.
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REV DATE: 23.MAY.14

GE Project Manager: JIM DOMBROSKI
 Telephone: 603-934-3739

THE GE HPI TECHNICAL SUPPORT GROUP IS AN ADDITIONAL RESOURCE THAT CAN PROVIDE ANSWERS FOR GENERAL GE PRODUCT SIZING QUESTIONS AND CAN BE REACHED AT (877)-305-9677 OR MAILTO:HPItech@ge.com

GE Healthcare
 Healthcare Project Implementation - Design Center
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT
 MODALITY TYPE: REVOLUTION GSI

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EQUIPMENT PRIOR TO ACTUAL CONSTRUCTION. GE HEALTHCARE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
MAINE MEDICAL CENTER
 PORTLAND, MAINE

PROJECT: 144013
 REVISION: 01

DATE: 08.Dec.14
 DRAWN BY: ECW
 CHECKED BY: JGA
 CON NO: 4264840
 CON DT: 30.Dec.14

REVISION HISTORY:
 1 ECW - 02.Jan.15
 CHECKED BY: JGA

SHEET
E1