



ANGIO ELECTRICAL DEVICE, DUCT & DIMENSION PLAN - BASEMENT FLOOR
 1/2" = 1'-0"

ITEM #	DEVICE REQUIREMENTS FOR ANGIO ROOM THE ELECTRICAL CONTRACTOR IS TO PROVIDE (UNLESS NOTED OTHERWISE)
B10	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
EC	18" x 8" BUSHED OPENING IN VERTICAL DUCT "VD1" COVER AT THE FLOOR LINE.
CR1	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".
CRB	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
CU1	18"W x 18"L x 4"D PULLBOX SURFACE MOUNTED ON WALL ABOVE SHELF. PROVIDE REMOVABLE FRONT COVER WITH 4" DIAMETER BUSHED OPENING IN THE CENTER.
CU2	18"W x 18"L x 4"D PULLBOX SURFACE MOUNTED ON WALL ABOVE SHELF. PROVIDE REMOVABLE FRONT COVER WITH 4" DIAMETER BUSHED OPENING IN THE CENTER.
D1	6" DIAMETER OPENING IN THE BOTTOM OF CEILING DUCT "CD1" AND 6" DIAMETER SLEEVE FROM DUCT TO FLUSH WITH CEILING. PROVIDE BUSHING AT CEILING LINE.
DS	DOOR LIMIT SWITCH. 120V, 5A RATED SWITCH CONTACTS TO OPEN WHEN DOOR IS OPEN. MOUNT IN UPPER CORNER ON STRIKE SIDE OF MAIN ENTRY DOOR.
EPO	EMERGENCY OFF PUSHBUTTONS WITH 2 NORMALLY CLOSED CONTACTS AND GUARD. ALLEN-BRADLEY PART # 800T-FK6AS WITH 800T-N12S GUARD OR EQUAL.
IC	PULLBOX, SIZE AS REQUIRED, MOUNTED ABOVE CEILING IN LOCATION COORDINATED WITH INTERCOM INSTALLATION. PROVIDE REMOVABLE BOTTOM COVER WITH 2" DIAMETER BUSHING OPENING.
IS	4" DIAMETER BUSHED OPENING IN VERTICAL DUCT "VD3" AT THE FLOOR LINE.
IS2	4" DIAMETER BUSHED OPENING IN VERTICAL DUCT "FD2" COVER.
ME1	2 POLE, 20AMP, 208VOLT 22,000 AC CIRCUIT BREAKER WITH UNDERVOLTAGE TRIP COIL ACCESSORY IN A NEMA 1 RECESSED ENCLOSURE. THREE TRIP COIL SHALL BE POWERED BY A SEPARATE 120 VOLT CIRCUIT AND WIRED IN SERIES WITH THE EPO SWITCHES.
MMV	2 POLE, 20AMP, 208VOLT SINGLE THROW SWITCH MOUNTED IN A RECESSED BOX.
MP	480VOLT, 225AMP, 3 PHASE MAIN BREAKER PANEL WITH UNDERVOLTAGE TRIP COIL AND A GROUND BAR. PROVIDE 3 BRANCH BREAKERS. TWO 100 AMP, 3 POLE AND ONE 50 AMP, 3 POLE. THE TRIP COIL SHALL BE POWERED BY A SEPARATE 120 VOLT CIRCUIT WIRED IN SERIES WITH THE EPO SWITCHES.
MW	NEMA 14-20R RECEPTACLE INSTALLED 18" AFF. ALSO FURNISH AND INSTALL A NEMA L14-20P FOR A SIEMENS PROVIDED POWER CORD.
MV1	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1" COVER.
QTV	2" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".
P1	8" DIAMETER OPENING IN THE BOTTOM OF CEILING DUCT "CD1" AND 8" DIAMETER SLEEVE FROM DUCT TO FLUSH WITH CEILING. PROVIDE BUSHING AT CEILING LINE.
P2	8" DIAMETER OPENING IN THE BOTTOM OF CEILING DUCT "CD1" AND 8" DIAMETER SLEEVE FROM DUCT TO FLUSH WITH CEILING. PROVIDE BUSHING AT CEILING LINE.
PU1	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING AT BOTTOM OF COVER.
PU2	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING AT BOTTOM OF COVER.
RMP	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT HEIGHT COORDINATED WITH UPS REMOTE MONITOR PANEL.
SC1	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING AT BOTTOM OF COVER.
SC2	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD2" COVER.
T1	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
UPS	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING IN COVER.
WL	EXISTING X-RAY ON WARNING LIGHT MOUNTED ABOVE DOOR.
CD1	18"W x 3 1/2"D CEILING DUCT MOUNTED ABOVE FINISHED CEILING. PROVIDE REMOVABLE TOP COVER WITH OPENINGS AS SHOWN. PROVIDE 3 DIVIDERS TO FORM 3 SEPARATE CHANNELS. CONNECT TO VERTICAL DUCT "VD1" AND "VD2" WHERE SHOWN.
FD1	6"W x 3 1/2"D FLOOR DUCT MOUNTED FLUSH WITH FLOOR. PROVIDE WATERTIGHT REMOVABLE TOP COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING.
FD2	12"W x 3 1/2"D FLOOR DUCT MOUNTED FLUSH WITH FLOOR. PROVIDE WATERTIGHT REMOVABLE TOP COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING.
HD1	10"W x 3 1/2"D HORIZONTAL WALL DUCT SURFACE MOUNTED AT FLOOR LINE. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE 3 DIVIDERS TO FORM 3 SEPARATE CHANNELS. CONNECT TO VERTICAL DUCT "VD2" WHERE SHOWN.
VD1	18"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE 3 DIVIDERS TO FORM 3 SEPARATE CHANNELS. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD1" WHERE SHOWN.
VD2	18"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE 3 DIVIDERS TO FORM 3 SEPARATE CHANNELS. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD1" WHERE SHOWN.
VD3	18"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE 3 DIVIDERS TO FORM 3 SEPARATE CHANNELS. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD1" WHERE SHOWN.

NOTE:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

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 EXPIRES 06/13/11
 REV. D

Bramhall Radiology
 ANGIO BI-PLANE RENOVATIONS
 PORTLAND, ME

ISSUED FOR CONSTRUCTION
 06.14.11

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	06.14.11

GRAPHIC SCALE:
 0" 1"

SCALE: As indicated
 PROJECT MANAGER: DIV
 I.DRAWN BY: CDS
 A/E OF RECORD: JPP
 PROJECT NO: 11011
 DATE: 06.14.11

SHEET TITLE:
 ANGIO ELECTRICAL
 DEVICE, DUCT &
 DIMENSION PLAN -
 BASEMENT FLOOR

SHEET NO.
 EP401