



1
1/4" = 1'-0"
ANGIO SUITE ELECTRICAL DEVICE AND DIMENSION
PLAN - BASEMENT FLOOR

DEVICE REQUIREMENTS FOR ANGIO ROOM

ITEM	THE ELECTRICAL CONTRACTOR IS TO PROVIDE (UNLESS NOTED OTHERWISE)
FD10	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
LC	18" x 6" BUSHED OPENING IN VERTICAL DUCT "VD1" COVER AT THE FLOOR LINE.
HD1	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".
HD3	3" x 8" BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
FD11	18"W x 18"L x 4"D PULLBOX MOUNTED FLUSH IN FINISHED WALL, 48" AFF. PROVIDE REMOVABLE FRONT COVER WITH 4" DIAMETER BUSHED OPENING IN THE CENTER.
CD1	6" DIAMETER OPENING IN THE BOTTOM OF CEILING DUCT "CD2" AND 6" DIAMETER SLEEVE FROM DUCT TO FLUSH WITH CEILING. PROVIDE BUSHING AT CEILING LINE.
CD2	6" DIAMETER OPENING IN THE BOTTOM OF CEILING DUCT "CD2" AND 6" DIAMETER SLEEVE FROM DUCT TO FLUSH WITH CEILING. PROVIDE BUSHING AT CEILING LINE.
FD12	12"W x 12"L x 8"D PULLBOX MOUNTED FLUSH IN CEILING. PROVIDE REMOVABLE BOTTOM COVER WITH 3" DIAMETER BUSHED OPENING IN THE CENTER. NOTE: THIS BOX MUST BE SIZED SUCH THAT A 6" x 6" x 3" SIEMENS POWER DISTRIBUTION BOX CAN BE INSTALLED INSIDE THIS PULLBOX.
DOOR	DOOR LIMIT SWITCH, 120V, SA-RATED SWITCH CONTACTS TO OPEN WHEN DOOR IS OPEN. MOUNT IN UPPER CORNER ON STRIKE SIDE OF MAIN ENTRY DOOR.
EMERGENCY OFF	EMERGENCY OFF PUSHBUTTONS WITH 2 NORMALLY CLOSED CONTACTS AND GUARD. ALLEN-BRADLEY PART # 800T-FX6AS WITH 800T-N129 GUARD IN NEMA 1 SURFACE MOUNTED ENCLOSURE OR EQUAL.
PULLBOX	PULLBOX, SIZE AS REQUIRED, MOUNTED ABOVE CEILING IN LOCATION COORDINATED WITH INTERCOM INSTALLATION. PROVIDE REMOVABLE BOTTOM COVER WITH 2" DIAMETER BUSHING OPENING.
HD1	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".
PULLBOX	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN FINISHED WALL, 48" AFF. PROVIDE REMOVABLE FRONT COVER WITH 4" DIAMETER BUSHED OPENING IN THE CENTER.
HD2	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD2".
FD1	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
HD1	3" DIAMETER BUSHED OPENING IN VERTICAL DUCT "VD4" AT HEIGHT COORDINATED WITH THE INSTALLATION OF THE INJECTOR ELECTRONICS RACK.
CB	2 POLE, 20AMP, 208VOLT, 22,000AAC CIRCUIT BREAKER WITH UNDERVOLTAGE TRIP ACCESSORY IN A RECESSED ENCLOSURE.
SW	2 POLE, 20AMP, 208VOLT SINGLE THROW SWITCH MOUNTED IN A RECESSED BOX.
MB	480VOLT, 125AMP, 3 PHASE MAIN BREAKER PANEL WITH UNDERVOLTAGE TRIP COIL AND GROUND BAR. PROVIDE 2 BRANCH BREAKERS, ONE 100AMP, 3 POLE AND ONE 50AMP, 3 POLE. UNDERVOLTAGE TRIP COIL SHALL BE WIRED IN SERIES WITH THE EPO SWITCHES.
NI	NEMA 14-20R RECEPTACLE INSTALLED 18" AFF. ALSO FURNISH AND INSTALL A NEMA L14-20P FOR A SIEMENS PROVIDED POWER CORD.
HD1	3" DIAMETER BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".
PB	10" x 10" PULLBOX, LENGTH AS REQUIRED, MOUNTED ABOVE CEILING, BETWEEN CEILING DUCT "CD1" AND CEILING, WITH REMOVABLE COVER AND 6" DIAMETER BUSHING OPENING AT THE CEILING LINE. FOR C-ARM.
FD1	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING AT BOTTOM OF COVER.
PB	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT HEIGHT COORDINATED WITH UPS REMOTE MONITOR PANEL.
FD1	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING AT BOTTOM OF COVER.
FD1	6" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD1" COVER.
FD1	4" DIAMETER BUSHED OPENING IN FLOOR DUCT "FD2" COVER.
PB	PULLBOX, SIZE AS REQUIRED, MOUNTED FLUSH IN WALL AT FLOOR LINE WITH REMOVABLE FRONT COVER AND 4" DIAMETER BUSHED OPENING.
WL	WARNING LIGHT. PROVIDE SURFACE MOUNTED X-RAY ON FIXTURE ABOVE DOOR. X-RAY ON LIGHT SHALL BE SURE-LITES LPX-68 OR EQUAL.
CD1	18"W x 3 1/2"D CEILING DUCT MOUNTED ABOVE FINISHED CEILING. PROVIDE REMOVABLE TOP COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. CONNECT TO VERTICAL DUCT "VD1" WHERE SHOWN.
CD2	10"W x 3 1/2"D CEILING DUCT MOUNTED ABOVE FINISHED CEILING. PROVIDE REMOVABLE TOP COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. CONNECT TO VERTICAL DUCTS "VD2", "VD3" AND "VD4" WHERE SHOWN.
FD1	10"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. MUST BE INTO FLOOR DUCT "FD2".
FD2	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. MUST BE INTO FLOOR DUCT "FD1".
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 DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. CONNECT TO VERTICAL DUCT "VD2" WHERE SHOWN.
HD2	10"W x 3 1/2"D HORIZONTAL WALL DUCT SURFACE MOUNTED AT FLOOR LINE. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. CONNECT TO VERTICAL DUCT "VD3" 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 DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD1" WHERE SHOWN.
VD2	10"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD2" WHERE SHOWN.
VD3	10"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD2" WHERE SHOWN.
VD4	6"W x 3 1/2"D VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER WITH OPENINGS AS SHOWN. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL TO ABOVE FINISHED CEILING AND CONNECT TO CEILING DUCT "CD2" WHERE SHOWN.
VD5	10"W x 3 1/2" (3 1/2") VERTICAL DUCT MOUNTED FLUSH IN WALL. PROVIDE REMOVABLE FRONT COVER. PROVIDE DIVIDERS TO SEPARATE POWER AND SIGNAL CABLING. BEGIN DUCT AT FLOOR LINE AND CONNECT TO "FD1" WHERE SHOWN. PROVIDE 3" BUSHED OPENING FOR OWNER SUPPLIED POWER CABLE.

GENERAL NOTES:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 2. REFER TO SIEMENS INSTALLATION DRAWINGS, PROJECT #1102955, FOR ADDITIONAL INFORMATION.

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 ANGIO SINGLE PLANE - ROOM 2
 PORTLAND, ME

ISSUED FOR PERMITTING
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CURRENT ISSUE STATUS:

DATE	DESCRIPTION

GRAPHIC SCALE: 0" = 1"

SCALE: As indicated

PROJECT MANAGER: DV

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DATE OF RECORD: JPP

PROJECT NO.: 11127

DATE:

SHEET TITLE:
**ANGIO ELECTRICAL
 DEVICE AND
 DIMENSION PLAN -
 BASEMENT FLOOR**

SHEET No. **EP401**