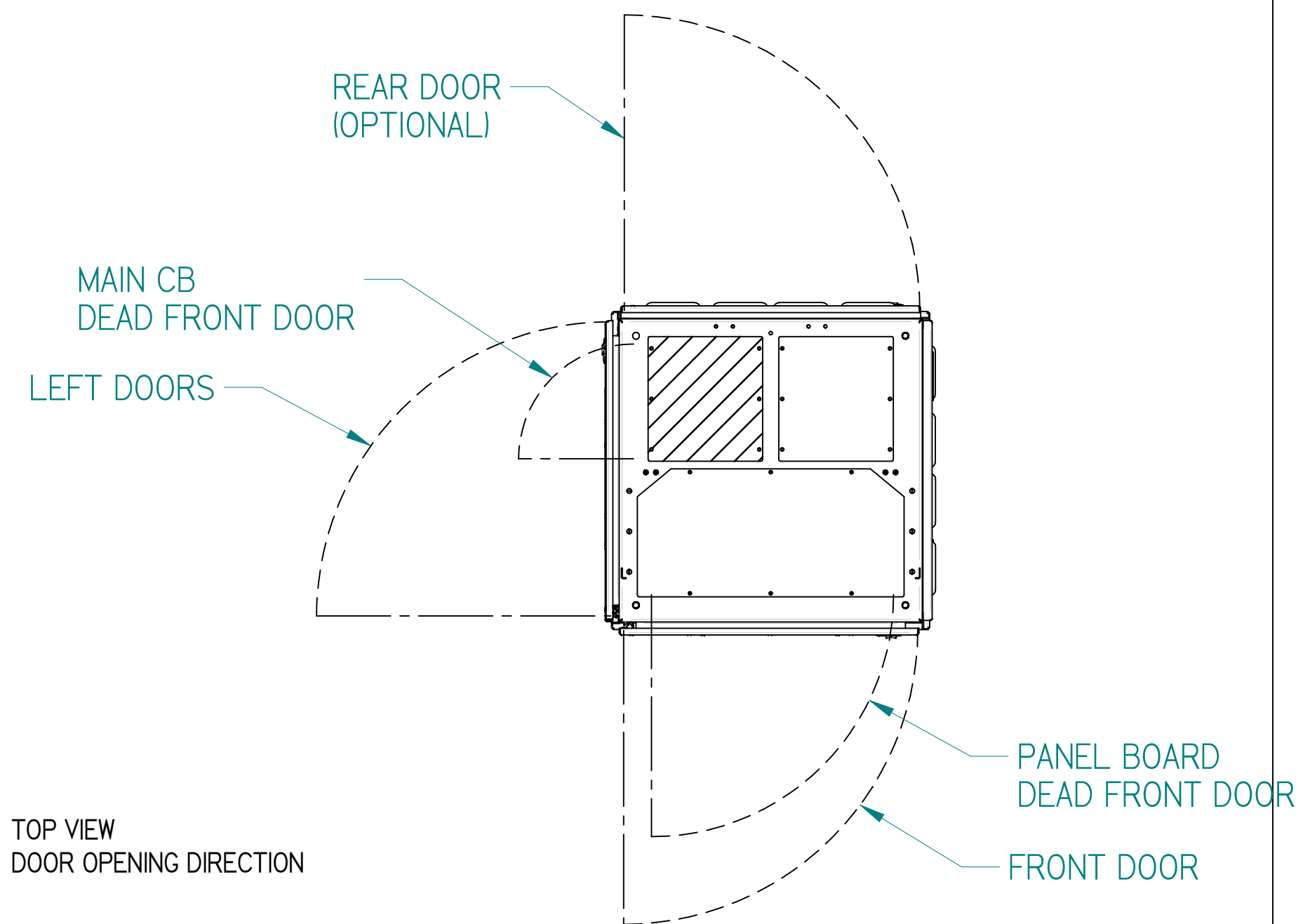
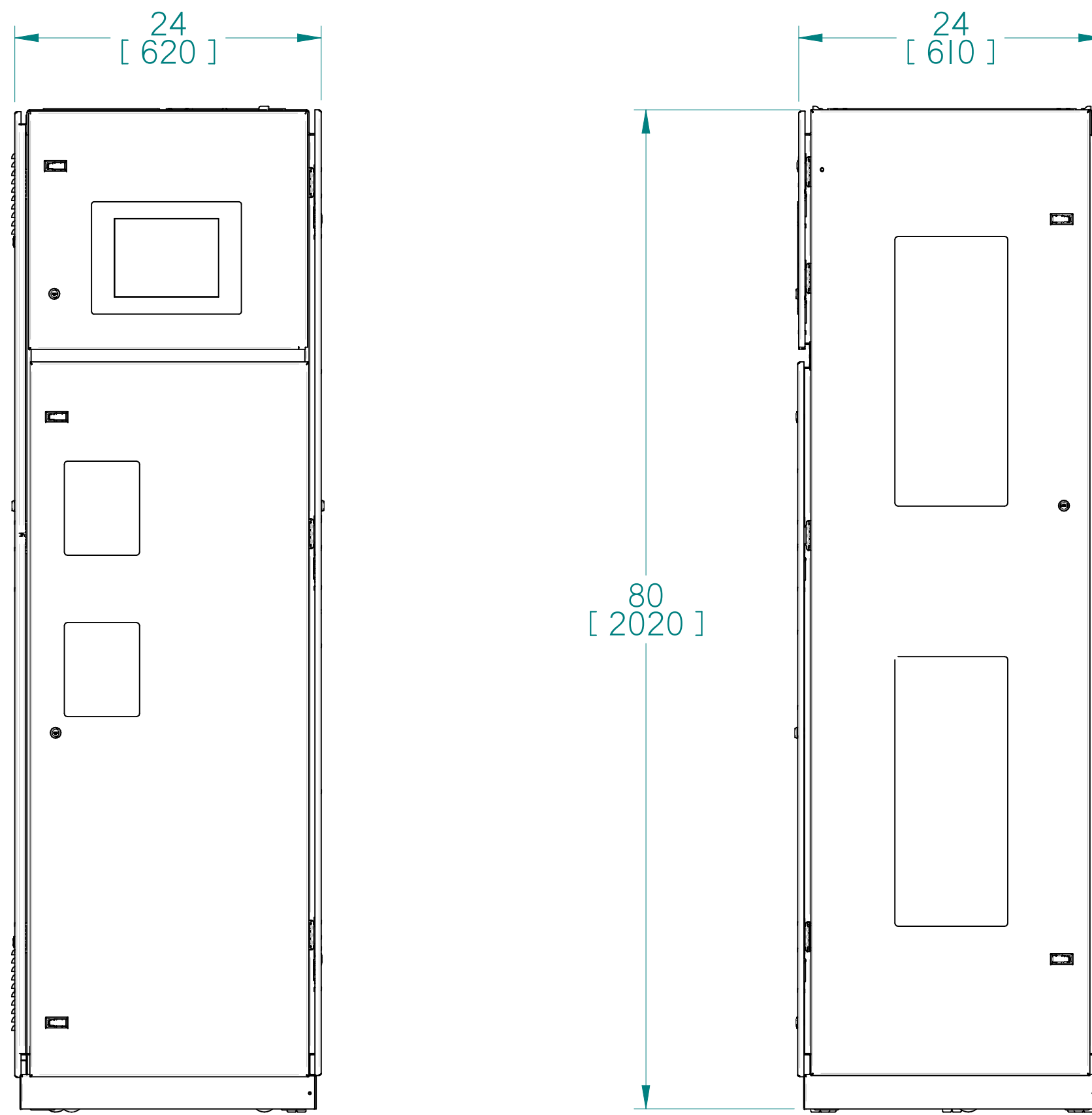
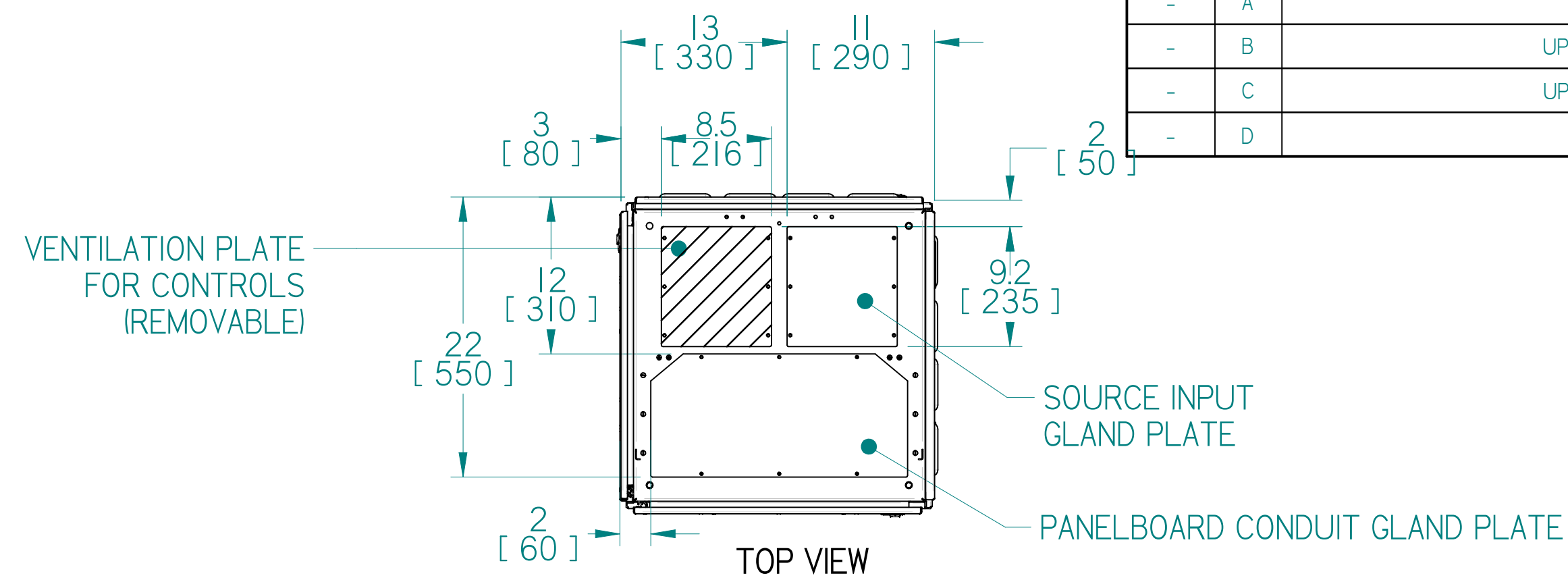
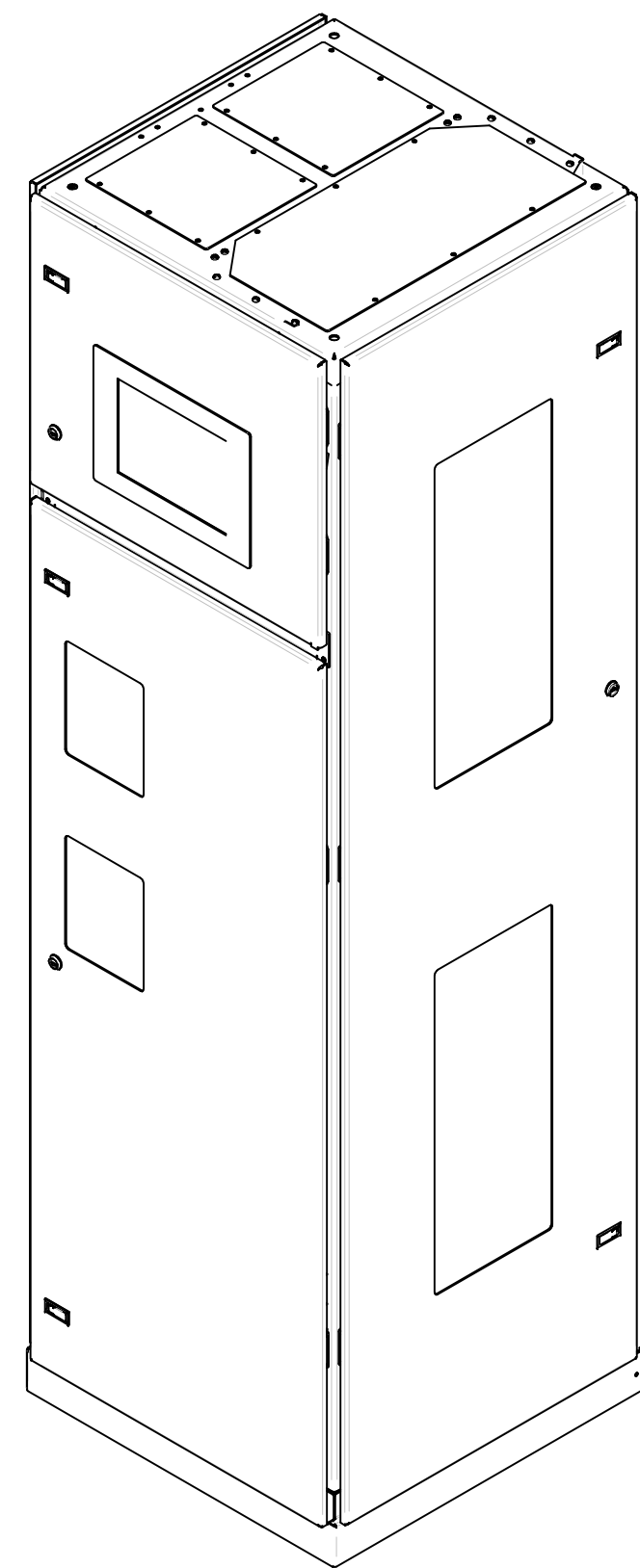


REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	2/12/2020	JMK
-	B	UPDATED FLOOR STAND	6/2/2020	NEM
-	C	UPDATED FLOOR STAND	8/12/2020	PTP
-	D	UPDATED TABLE 1	8/20/2020	PTP

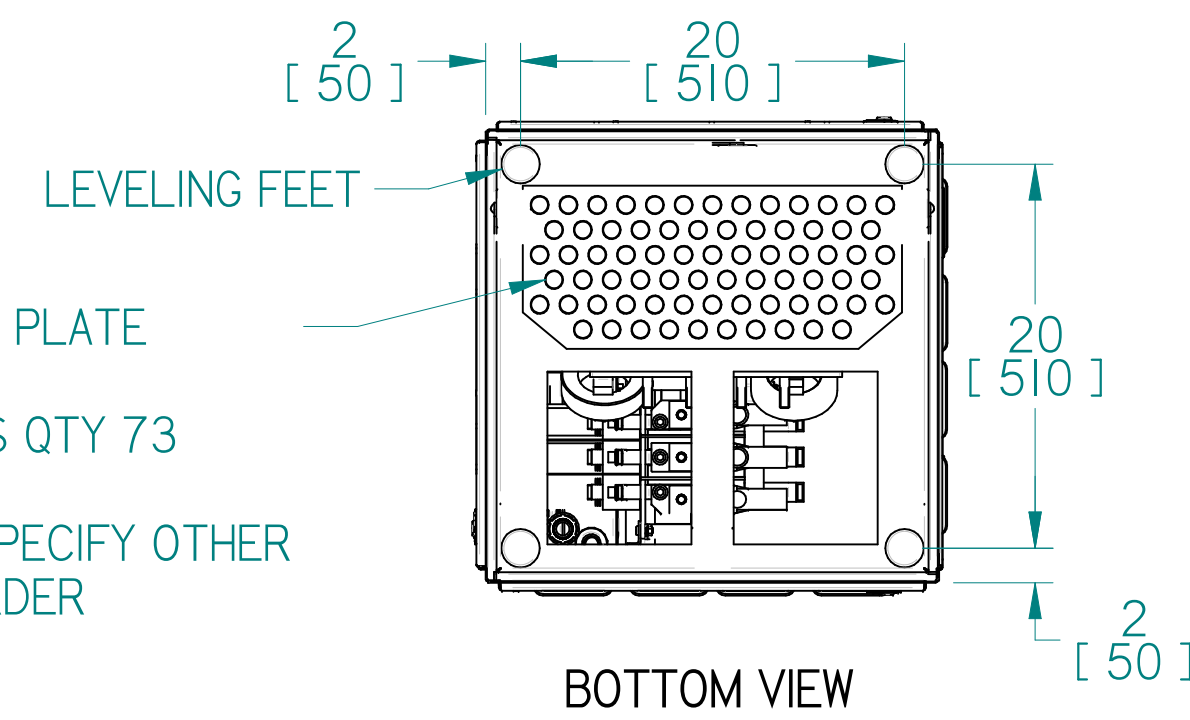


LEFT-SIDE VIEW

FRONT VIEW

PANEL BOARD CONDUIT GLAND PLATE SHOWN WITH:
3/4" CONDUIT KNOCKOUTS QTY 73

OTHER OPTIONS AVAILABLE. SPECIFY OTHER REQUIREMENTS AT TIME OF ORDER



BOTTOM VIEW

Notes:

- This sheet shows the outline for the Cabinet Assembly with (2) 42-Circuit Panel Boards and (2) 400AF Plug-In Circuit Breakers. Sheets 2 and 3 will show, in detail, the outline for detailing mechanical configuration and electrical interface.
- The following options are provided:
 - Input circuit breakers
 - Graphical user interface
 - Input current monitor
 - Branch circuit monitor
 - Viewing windows for panel board and input circuit breakers
 - Infrared scanning ports on dead front doors
- Front access required only for operation and servicing of panel-board circuit breakers. Side access required only for operation and servicing of input circuit breakers.
- Leveling feet provided for +/- 1.0 inch adjustment from nominal
- Swivel casters provided on base of unit for ease of transport. The swivel radius is 2.75 inches. Standard ground clearance of 2.7 inches as shown.
- Provision at the top of the cabinet is available for standard 1/2-13 UNC-2A eyebolts for transport purposes. Eyebolts are not provided.
- Descriptive Index of internal parts shown on Sheet 2.
- Optional Floor Stand detailed on Sheet 4.
- Sheet 5 shows options for conduit landing plates.

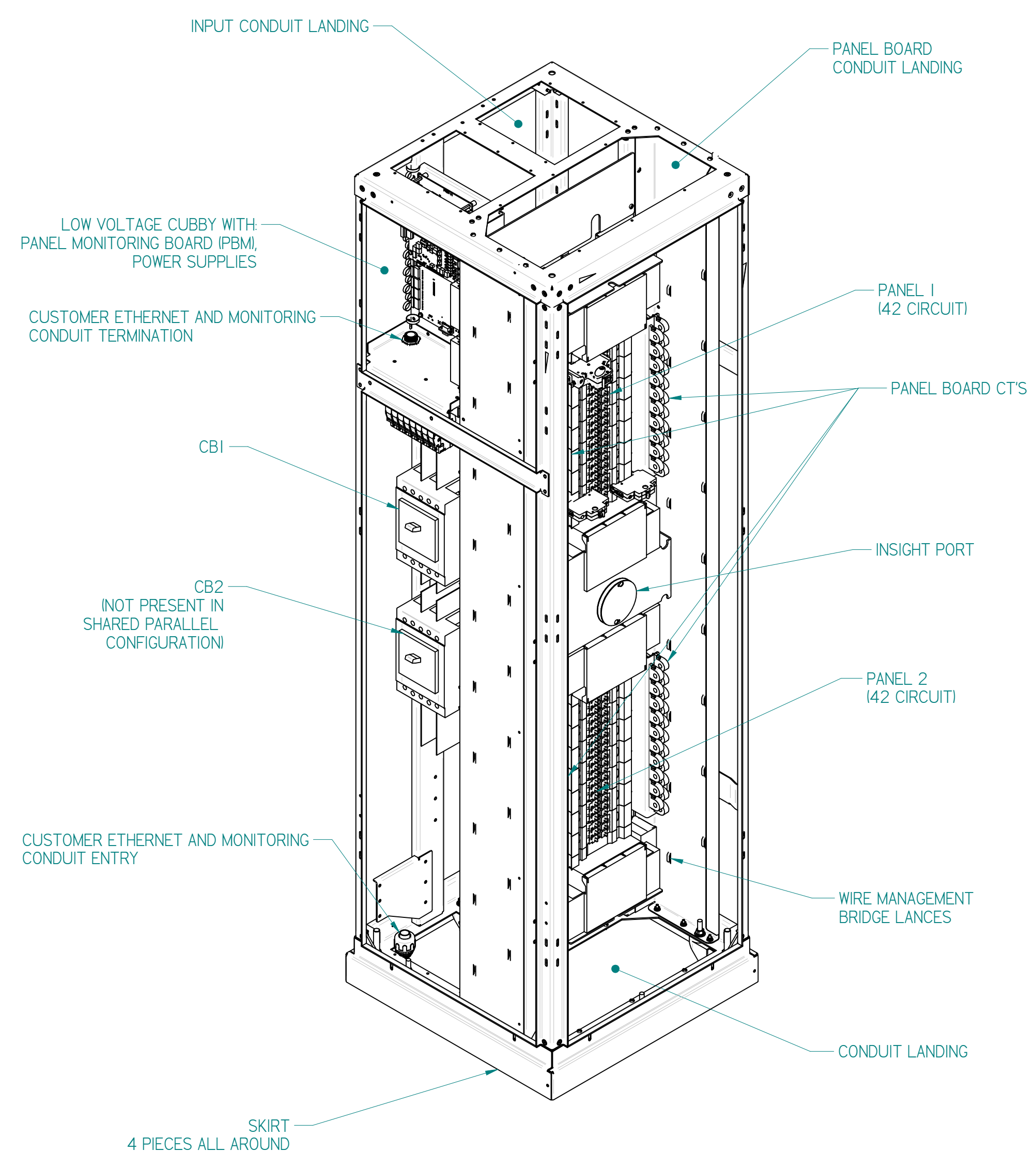
Copyright © 2020, LayerZero Power Systems, Inc.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING		<p>OUTLINE, MOUNTING, INSTALLATION DIAGRAM REMOTE POWER PANEL ASSEMBLY, (2) 42-CIRCUIT PANEL BOARDS, (1) OR (2) 400AF/225AT 3P PLUG-IN CIRCUIT BREAKERS FOR MAINS INPUT FRONT AND LEFT CONFIGURATION</p>			
TOLERANCES: .XX ± .03 .XXX ± .010 ANGULAR ± .1/2				<p>FIRST ANGLE PROJ.</p>	
DWN PTP	DATE 8/20/2020	SIZE D	FSCM NO.	DWG NO. 94-MS-01099501	REV D
CHK JMK	DATE 8/20/2020	SCALE 1:10	94-MX-01099501-DSHT1	SHEET 1 of 5	
APVD PTP	DATE 8/20/2020				

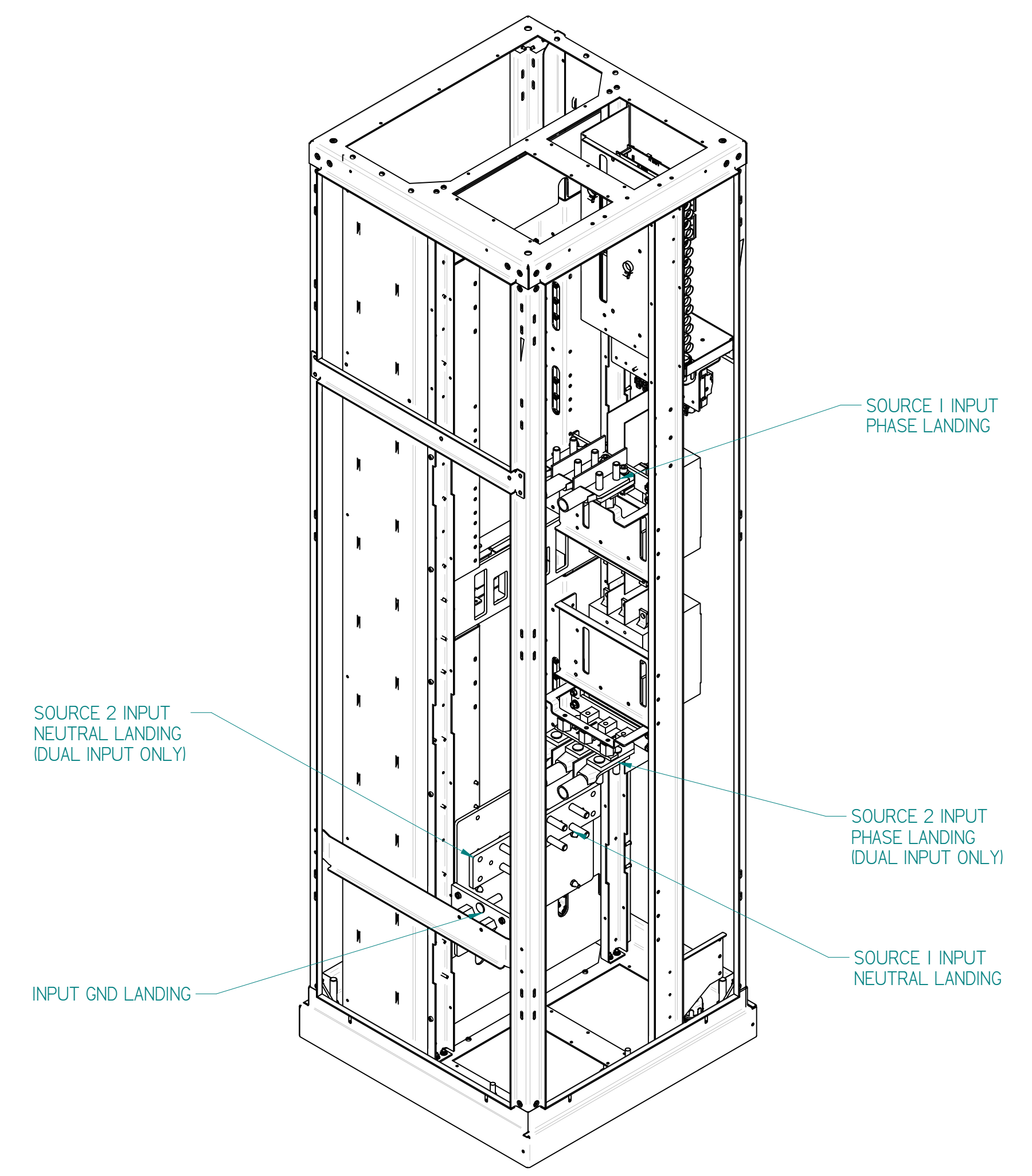
**RECOMMENDED
MINIMUM
CLEARANCES:**
FRONT: 36 IN
LEFT: 36 IN
RIGHT: 0 IN
REAR:
w/ PANEL: 0 IN
w/ DOOR: 36 IN

ESTIMATED WEIGHT:
500#
W/O PANEL BOARD CB'S!

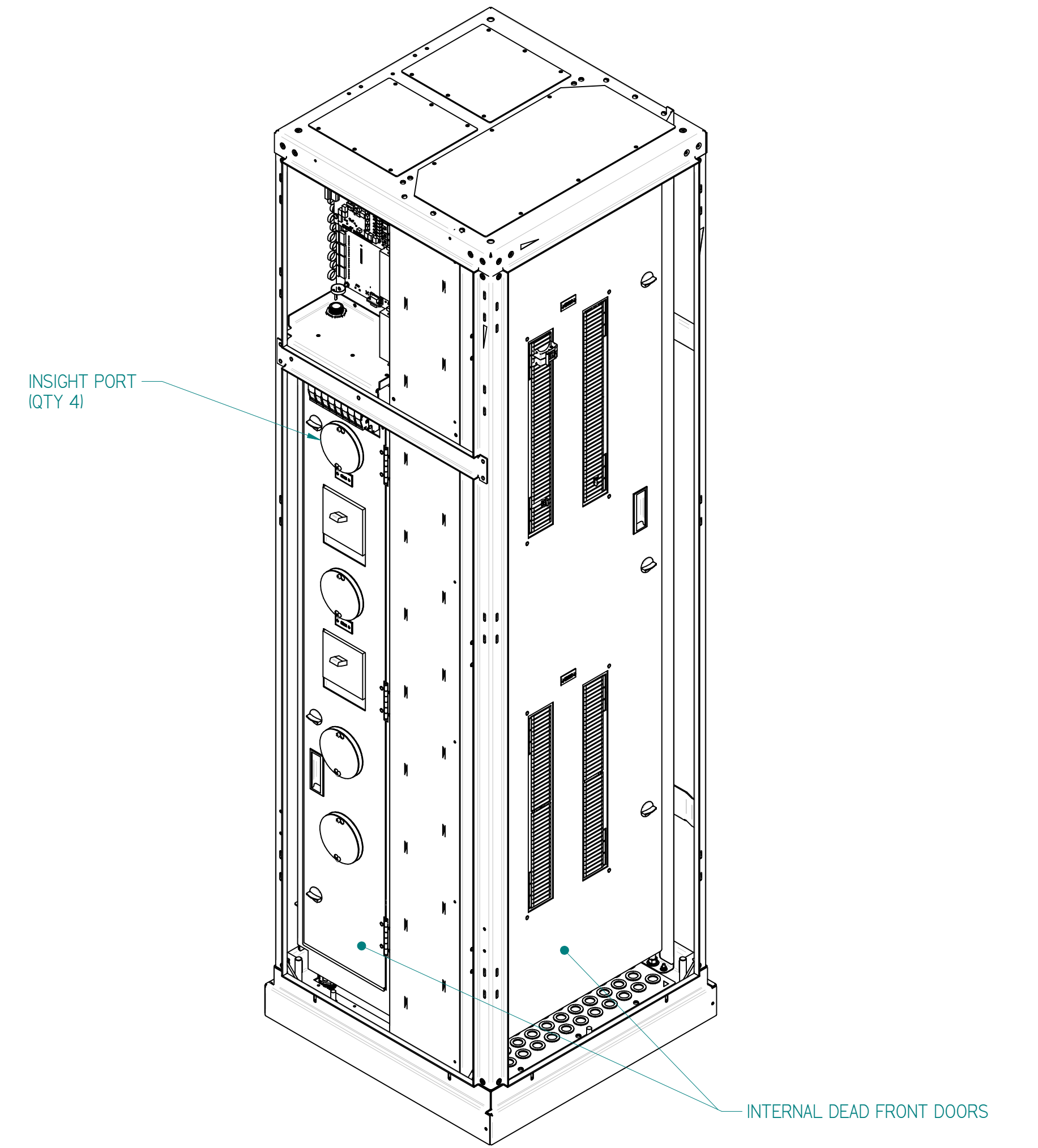
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ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	2/12/2020	JMK
-	B	UPDATED FLOOR STAND	6/2/2020	NEM
-	C	UPDATED FLOOR STAND	8/12/2020	PTP
-	D	UPDATED TABLE 1	8/20/2020	PTP



FRONT-LEFT ISOMETRIC VIEW



REAR-RIGHT ISOMETRIC VIEW



NOTES:
1. FOR CLARITY OF VIEWING, SOME COMPONENTS ARE NOT SHOWN, INCLUDING: CABINET DOORS, INTERNAL DEADFRONT DOORS, GLAND PLATES, FLEX BUS CONDUCTORS

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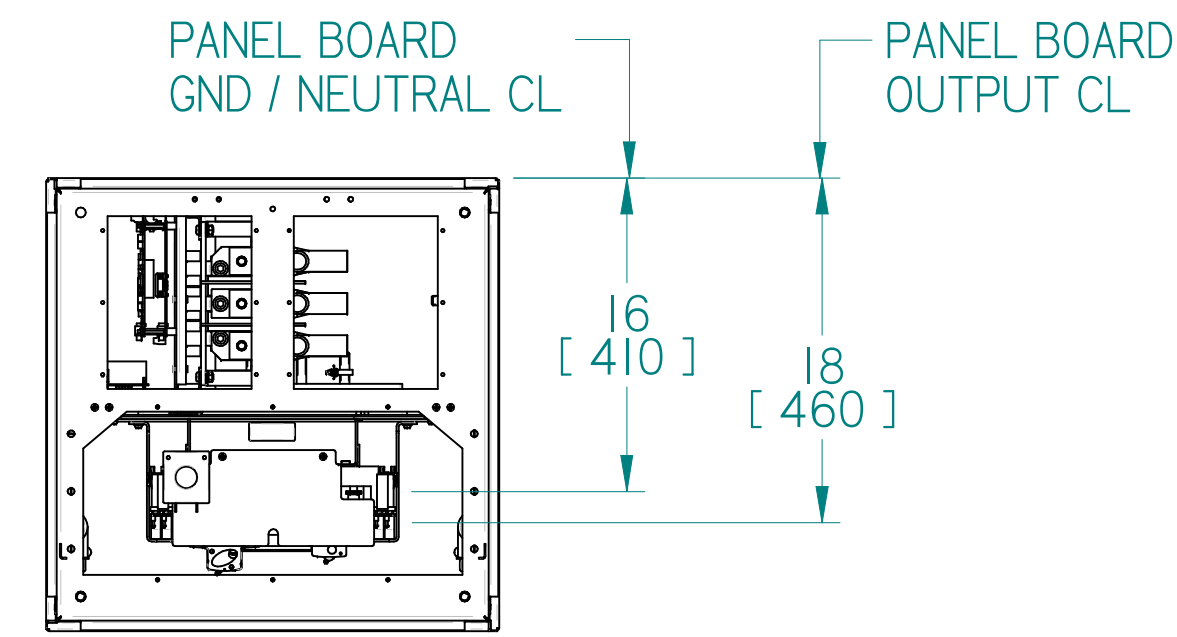
TOLERANCES:
.XX ± .03
.XXX ± .010
ANGULAR ± .1/2

FIRST ANGLE PROJ.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
REMOTE POWER PANEL ASSEMBLY,
(2) 42-CIRCUIT PANEL BOARDS,
(1) OR (2) 400AF/225AT 3P PLUG-IN CIRCUIT BREAKERS FOR MAINS INPUT
FRONT AND LEFT CONFIGURATION

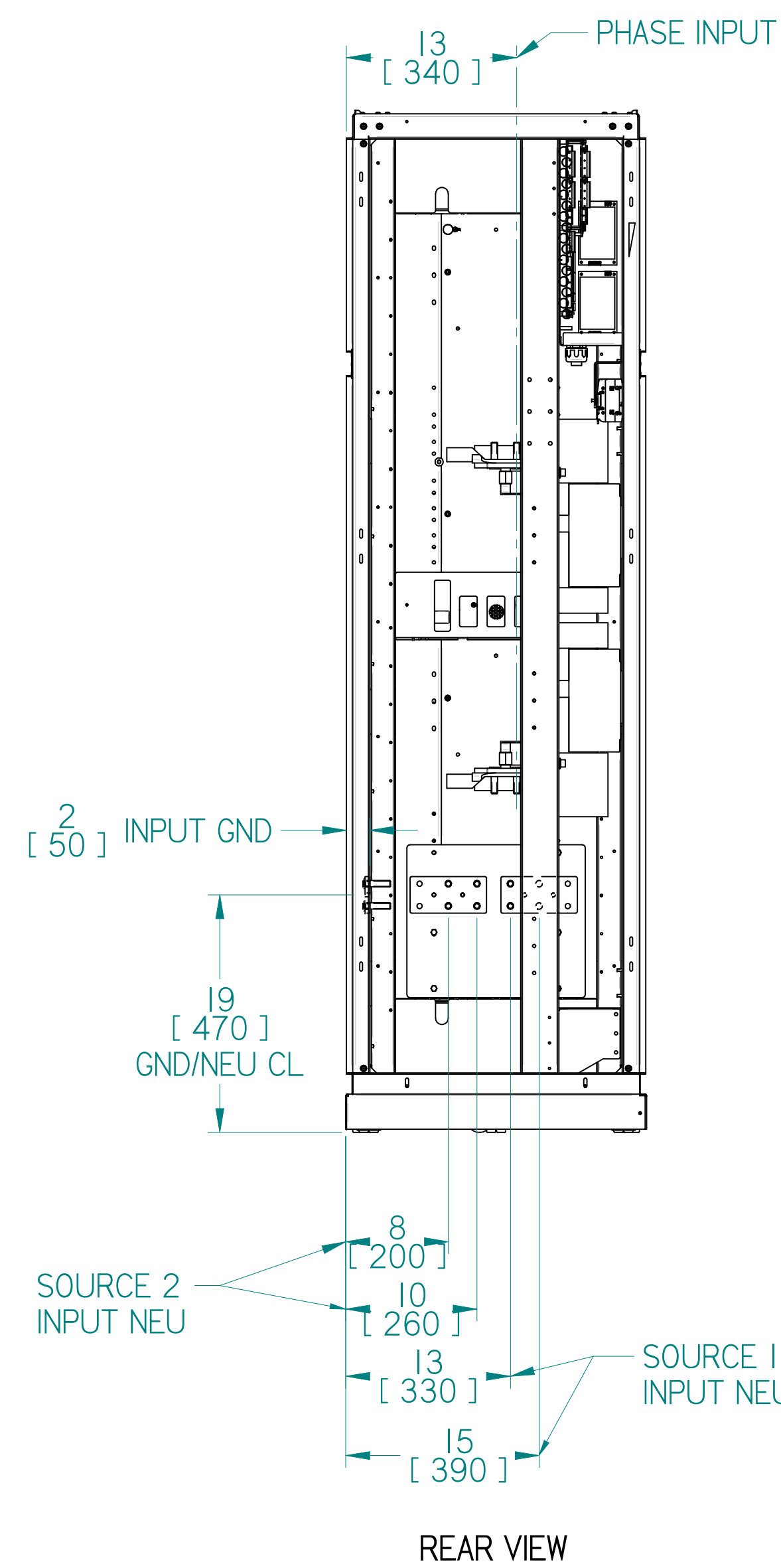
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CHK JMK	DATE 8/20/2020	D		94-MS-01099501	D
APVD PTP	DATE 8/20/2020	SCALE 1:8	94-MX-01099501-DSHT2	SHEET	2 of 5

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	2/12/2020	JMK
-	B	UPDATED FLOOR STAND	6/2/2020	NEM
-	C	UPDATED FLOOR STAND	8/12/2020	PTP
-	D	UPDATED TABLE I	8/20/2020	PTP

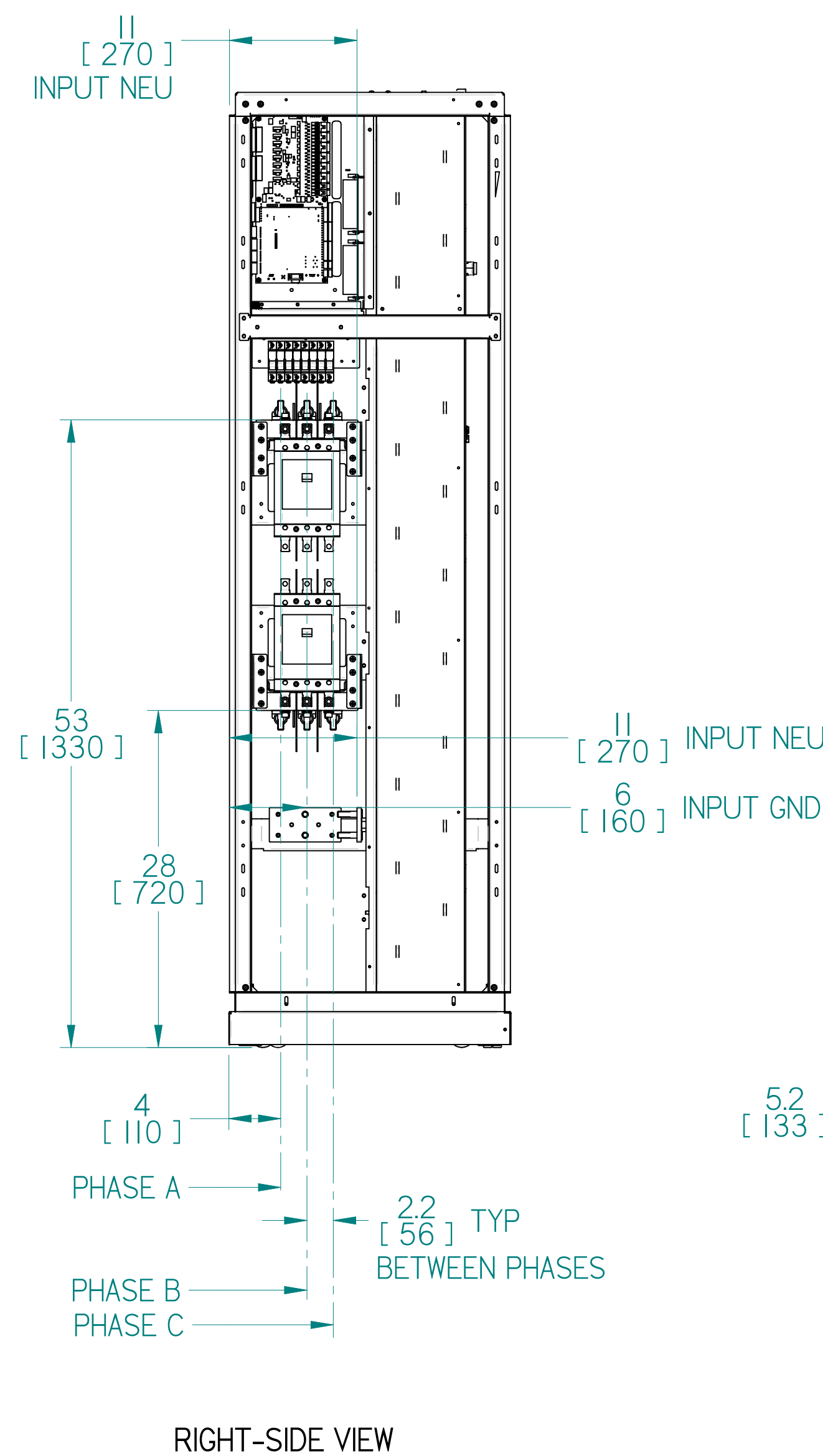


TOP VIEW

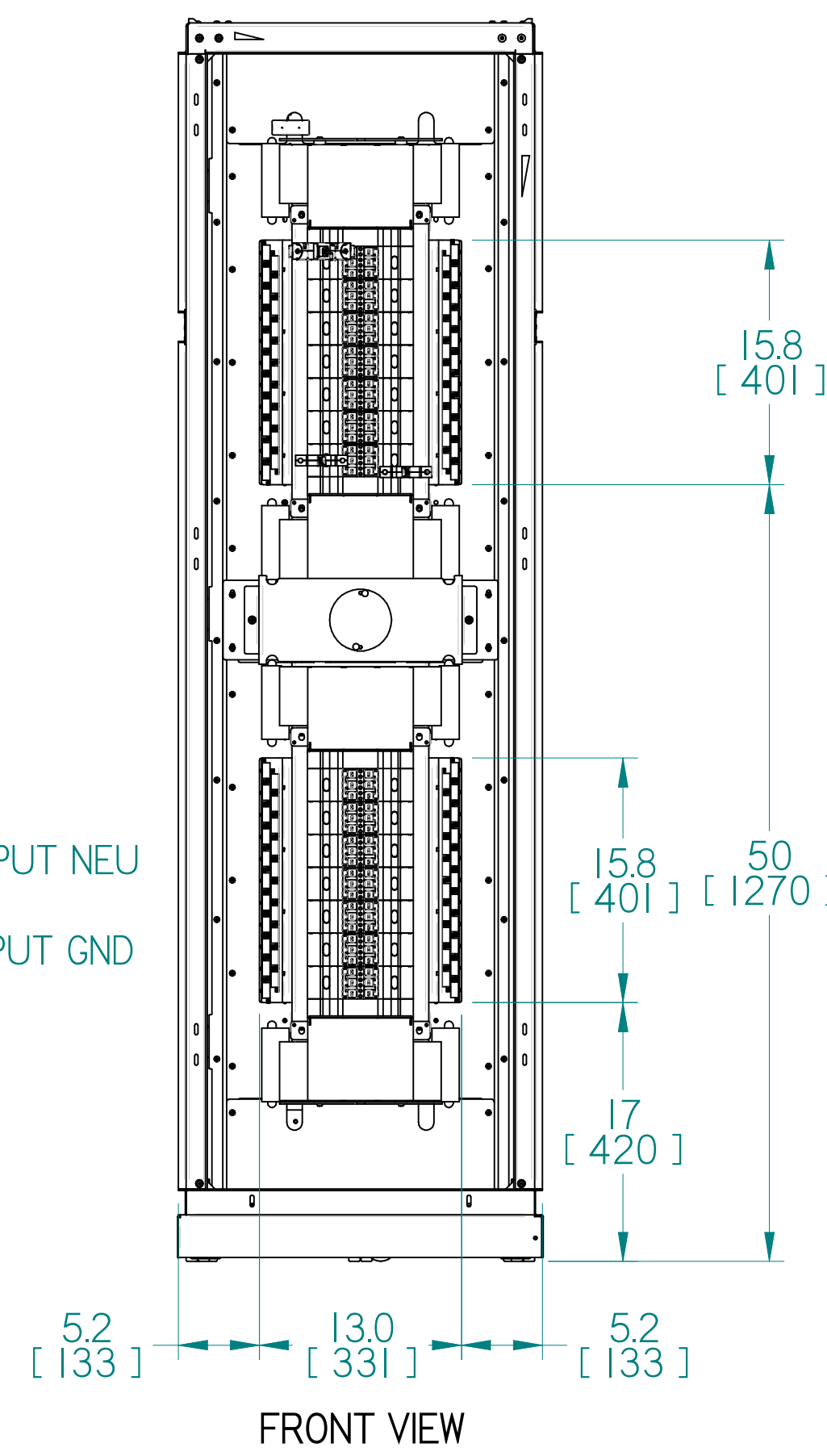
TABLE I				
Compression lugs for Source 1 & 2 Input Phases and Ground lugs provided by others				
DESCRIPTION	CABLE SIZE AND LUGS			NOTE
	RECOMMENDED COPPER WIRE SIZE (75 °C WIRE MIN)	RECOMMENDED ALUMINUM WIRE SIZE (75 °C WIRE MIN)	LUG TYPE & SIZE (75 °C WIRE MIN)	
SOURCE INPUT PHASES	300 MCM MAX (2) PER PHASE	400 MCM MAX (2) PER PHASE	NEMA 2-HOLE (Ø 1/2") ON 1-3/4" CENTER BUS LANDING	I
INPUT GROUND BUS	300 MCM MAX UP TO (2)	400 MCM MAX UP TO (2)	NEMA 2-HOLE (Ø 1/2") ON 1-3/4" CENTER BUS LANDING	I
INPUT NEUTRAL BUS	300 MCM MAX (2) PER SOURCE	400 MCM MAX (2) PER SOURCE	NEMA 2-HOLE (Ø 1/2") ON 1-3/4" CENTER BUS LANDING	I
42-CIRCUIT PANEL BOARD CIRCUIT BREAKERS	PER BRANCH BREAKER SPECIFICATION	PER BRANCH BREAKER SPECIFICATION	NONE	
42-CIRCUIT PANEL BOARD GROUND/NEUTRAL	#1-18 AWG STRANDED	N/A	SCREW TERMINAL	
CONTROL WIRE	#16-20 AWG STRANDED	N/A	NOT REQUIRED	



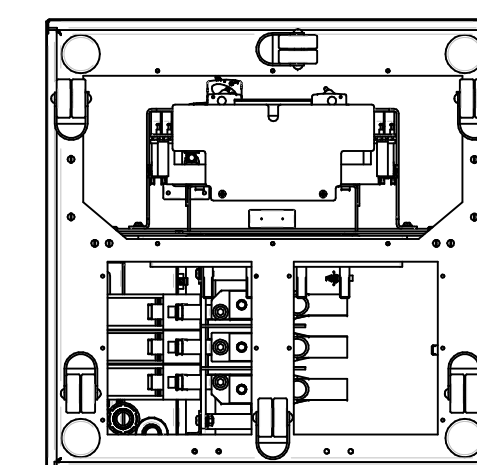
REAR VIEW



RIGHT-SIDE VIEW



FRONT VIEW



NOTES:
 1. MAXIMUM LUG WIDTH FOR CONNECTIONS IS 1.50 INCHES [37 mm]
 2. FOR CLARITY OF VIEWING, SOME COMPONENTS ARE NOT SHOWN, INCLUDING: CABINET DOORS, INTERNAL DEADFRONT DOORS, GLAND PLATES, FLEX BUS CONDUCTORS

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TOLERANCES:
 .XX ± .03
 .XXX ± .010
 ANGULAR ± .1/2

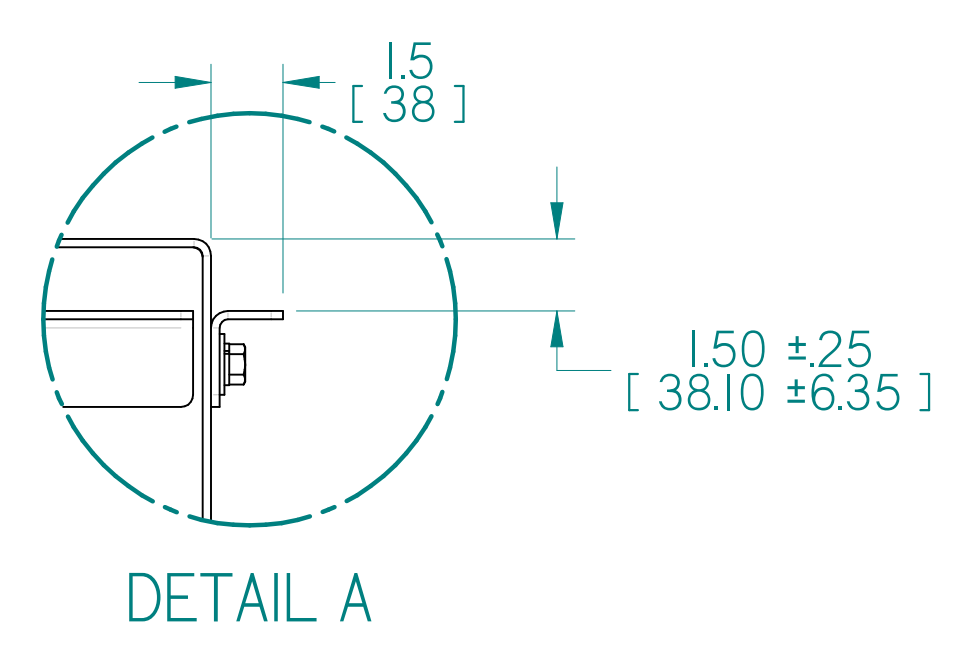
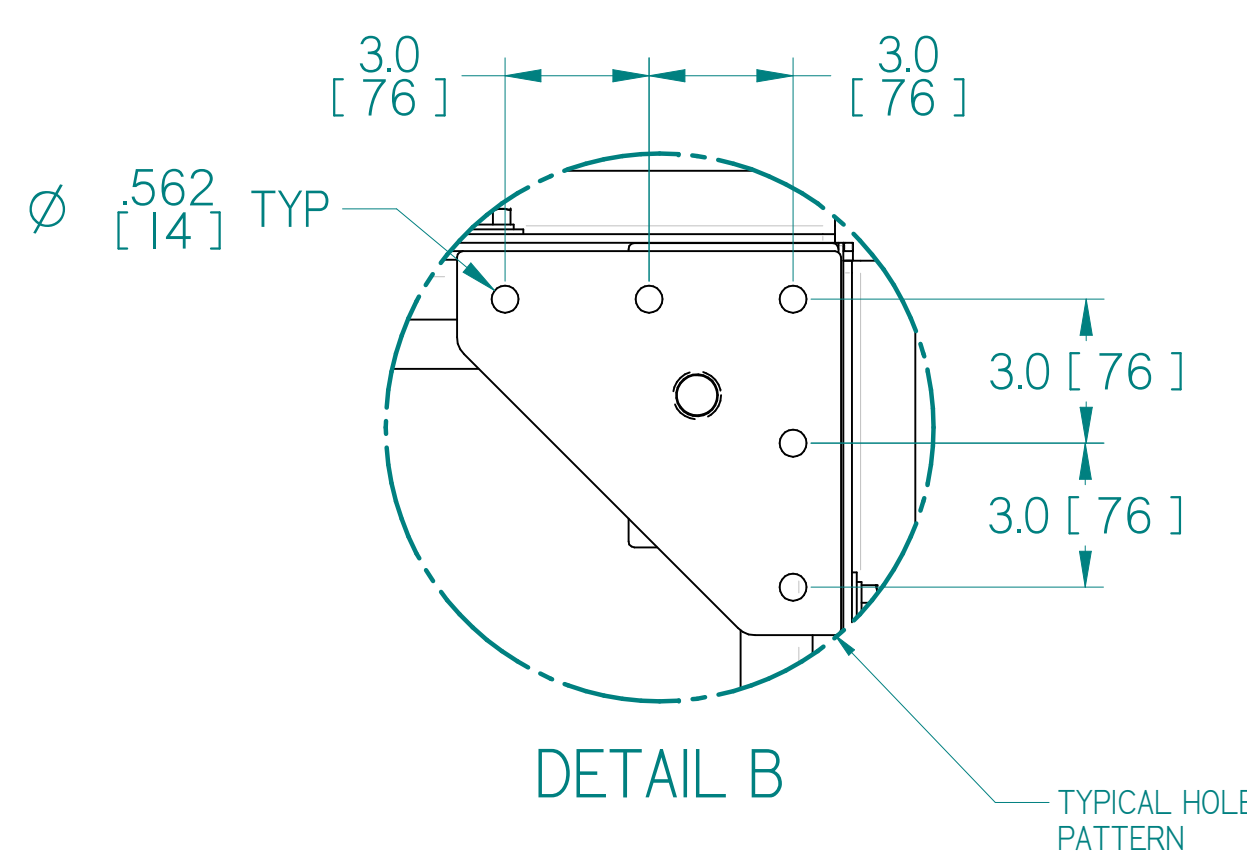
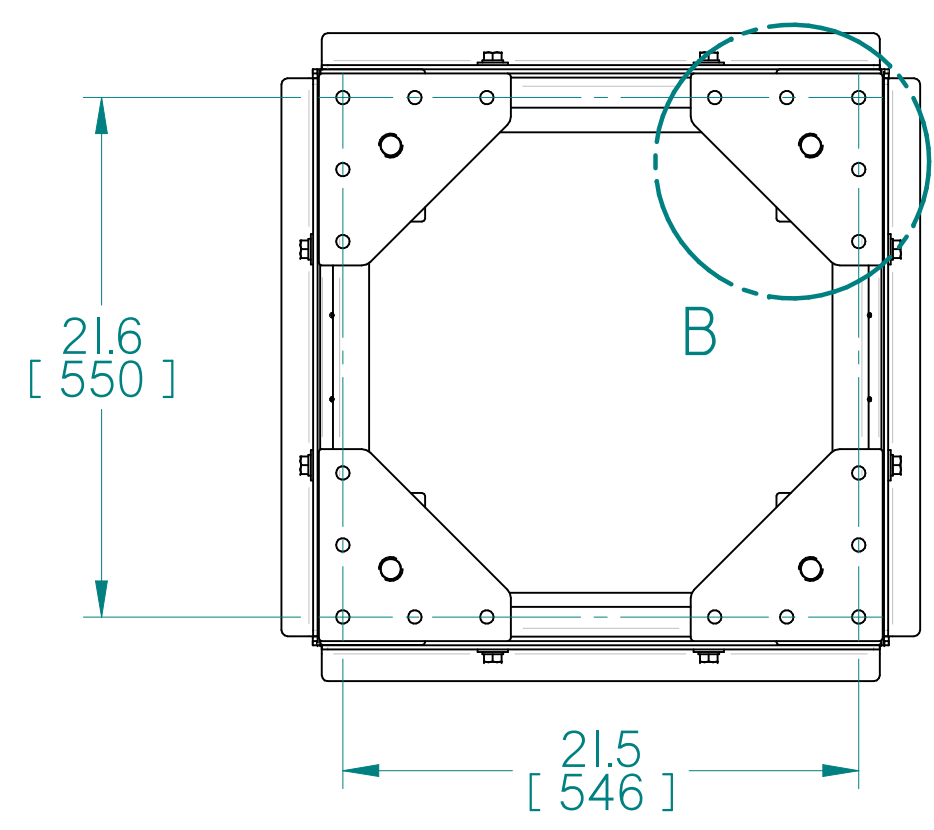
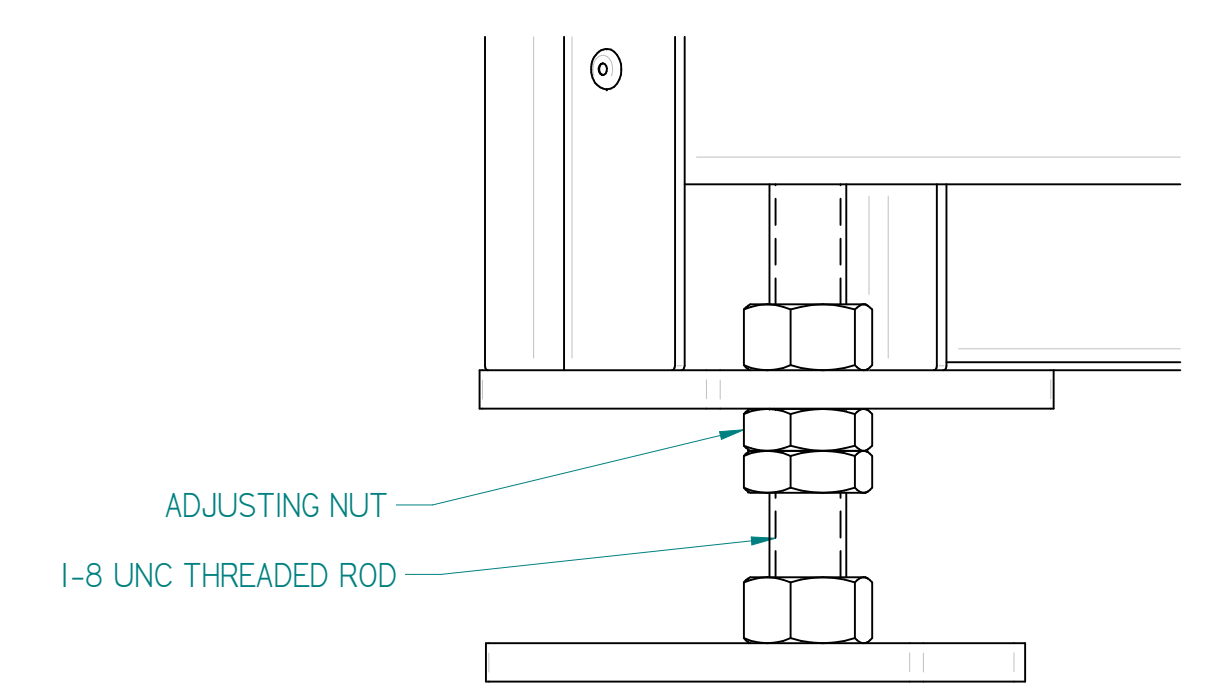
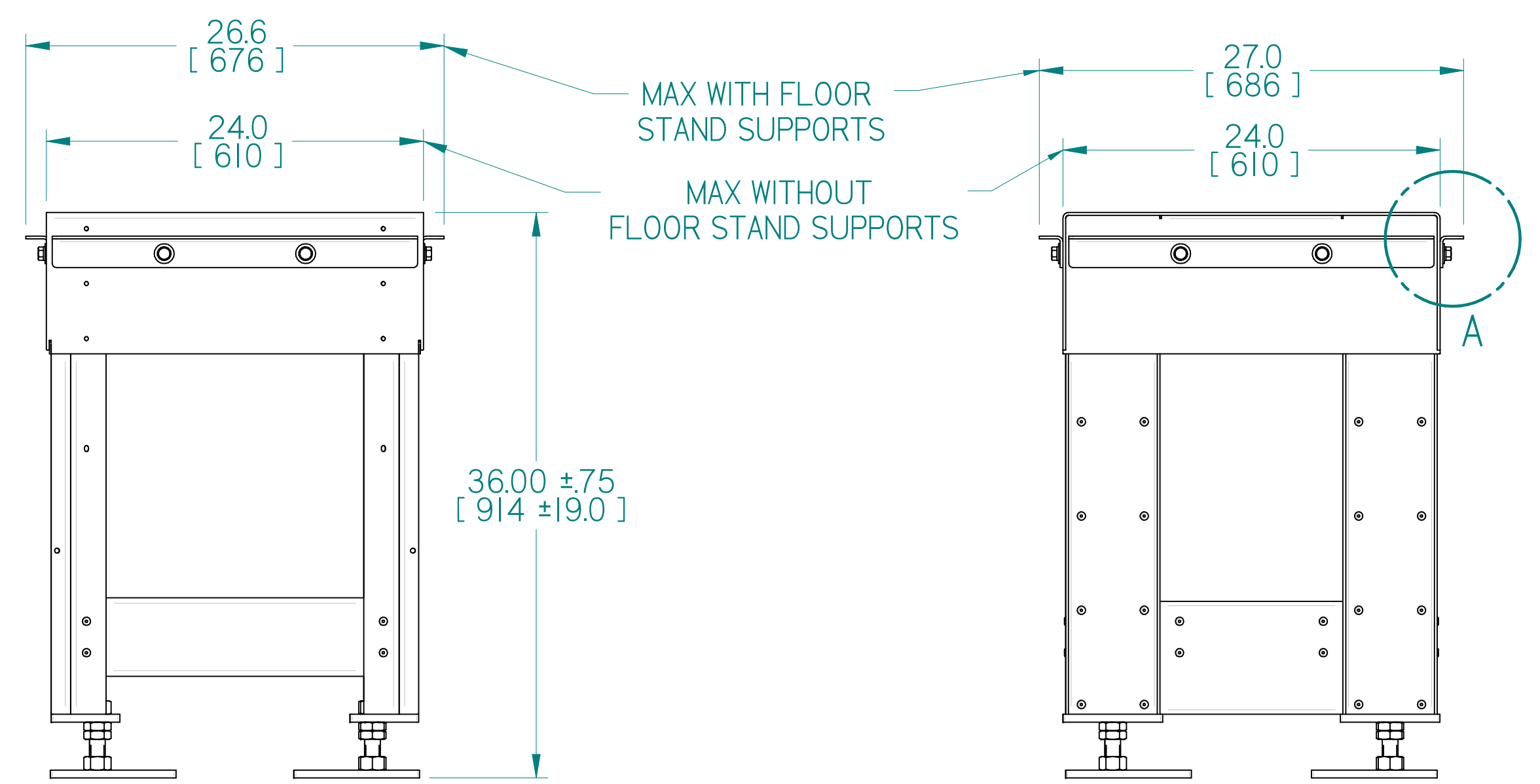
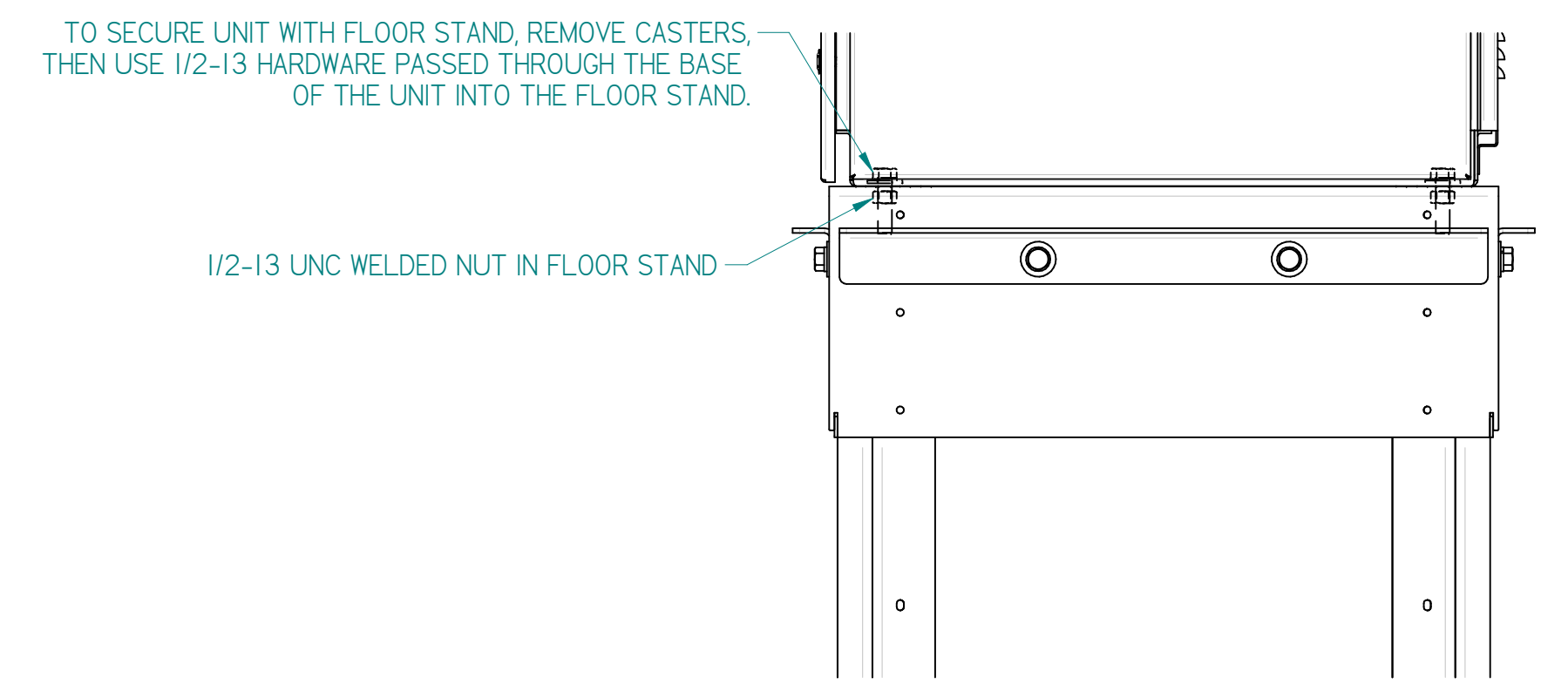
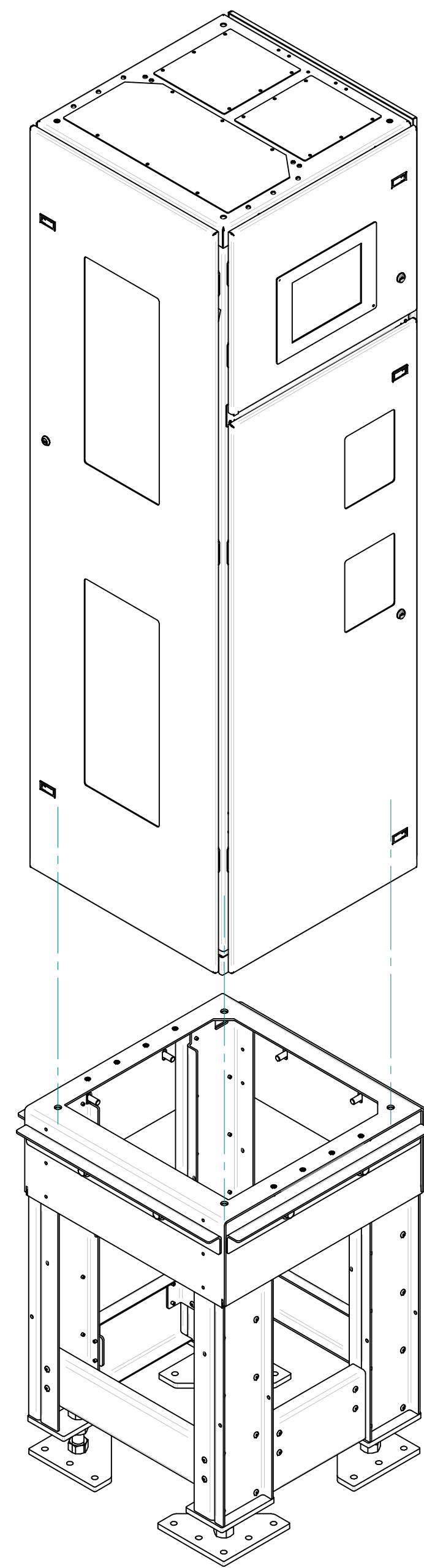
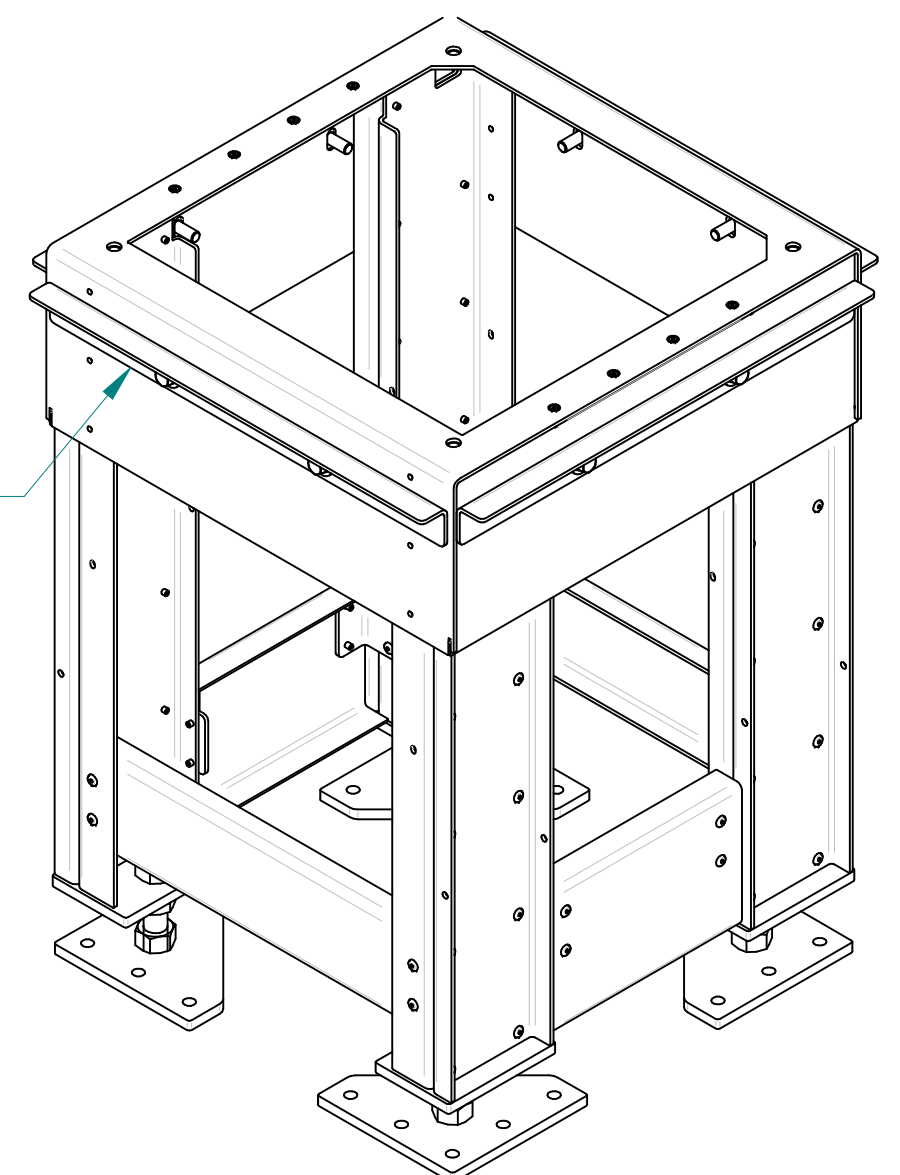
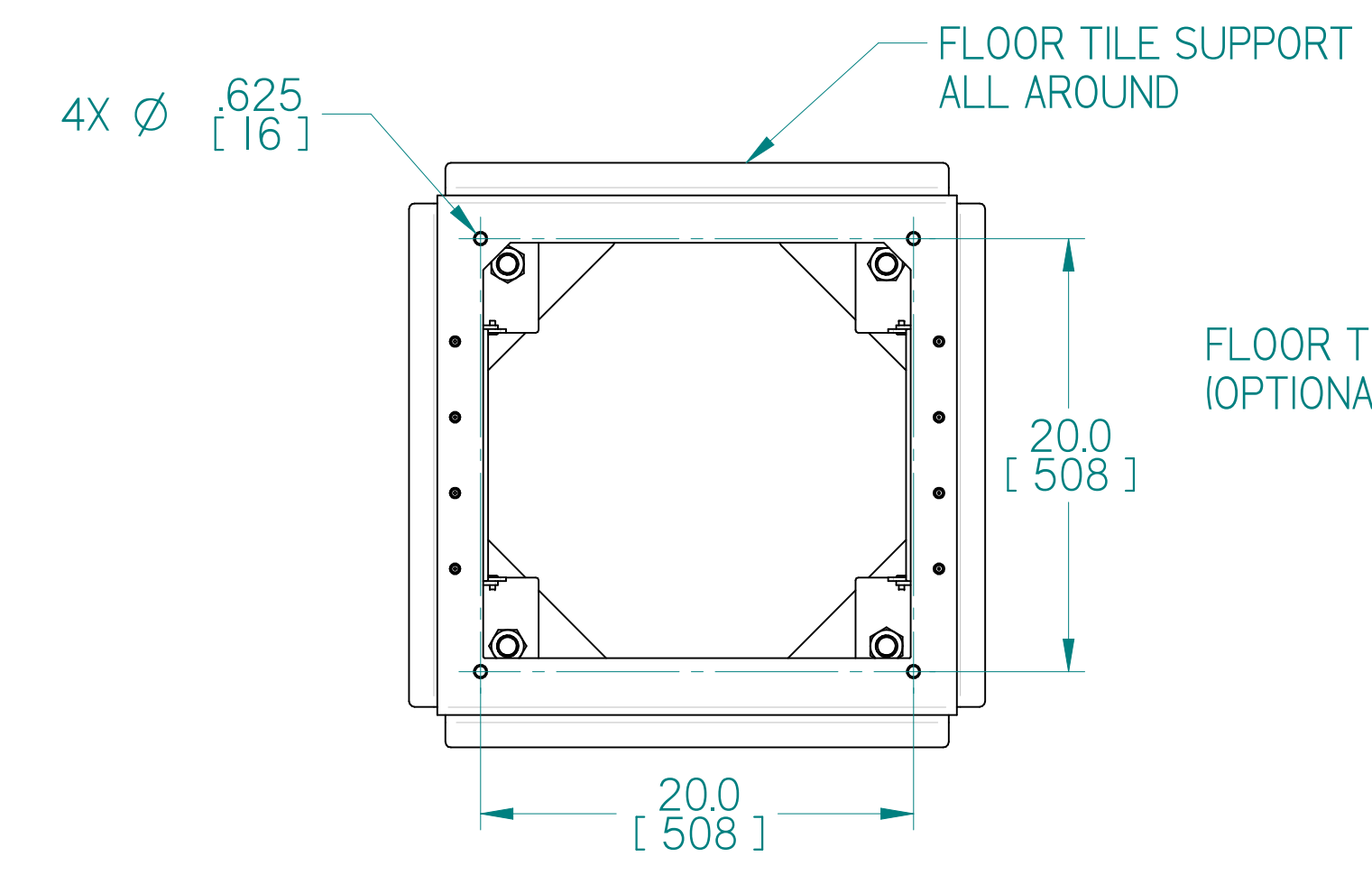
FIRST ANGLE PROJ.

LAYERZERO
 POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
 REMOTE POWER PANEL ASSEMBLY,
 (2) 42-CIRCUIT PANEL BOARDS,
 (1) OR (2) 400AF/225AT 3P PLUG-IN CIRCUIT BREAKERS FOR MAINS INPUT
 FRONT AND LEFT CONFIGURATION

DWN PTP	DATE 8/20/2020	SIZE	FSCM NO.	DWG NO.	REV
CHK JMK	DATE 8/20/2020	D		94-MS-01099501	D
APVD PTP	DATE 8/20/2020	SCALE 1:1	94-MX-01099501-DSHT3	SHEET	3 of 5

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	2/12/2020	JMK
-	B	UPDATED FLOOR STAND	6/2/2020	NEM
-	C	UPDATED FLOOR STAND	8/12/2020	PTP
-	D	UPDATED TABLE 1	8/20/2020	PTP



- NOTES:
- 1/2-13UNC HARDWARE (BOLT, LOCKWASHER, AND WASHER) SUPPLIED IN BULK FOR FIELD ASSEMBLY OF CABINET TO FLOOR STAND.
 - RAISED FLOOR TILE SUPPORTS ARE PROVIDED AS AN OPTION TO JOIN PARTIAL TILES TO THE FLOOR STAND ASSEMBLY.
 - LEVELED HEIGHT OF THE FLOOR STAND IS SET TO DESIRED HEIGHT BY USING LEVELING NUT PROVIDED.

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TOLERANCES:
 .XX ± .03
 .XXX ± .010
 ANGULAR ± .1/2

FIRST ANGLE PROJ.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
 REMOTE POWER PANEL ASSEMBLY,
 (2) 42-CIRCUIT PANEL BOARDS,
 (1) OR (2) 400AF/225AT 3P PLUG-IN CIRCUIT BREAKERS FOR MAINS INPUT
 FRONT AND LEFT CONFIGURATION

DWN PTP	DATE 8/20/2020	SIZE	FSCM NO.	DWG NO.	REV
CHK JMK	DATE 8/20/2020	D		94-MS-01099501	D
APVD PTP	DATE 8/20/2020	SCALE 1:8	94-MX-01099501-DSHT4	SHEET	4 of 5

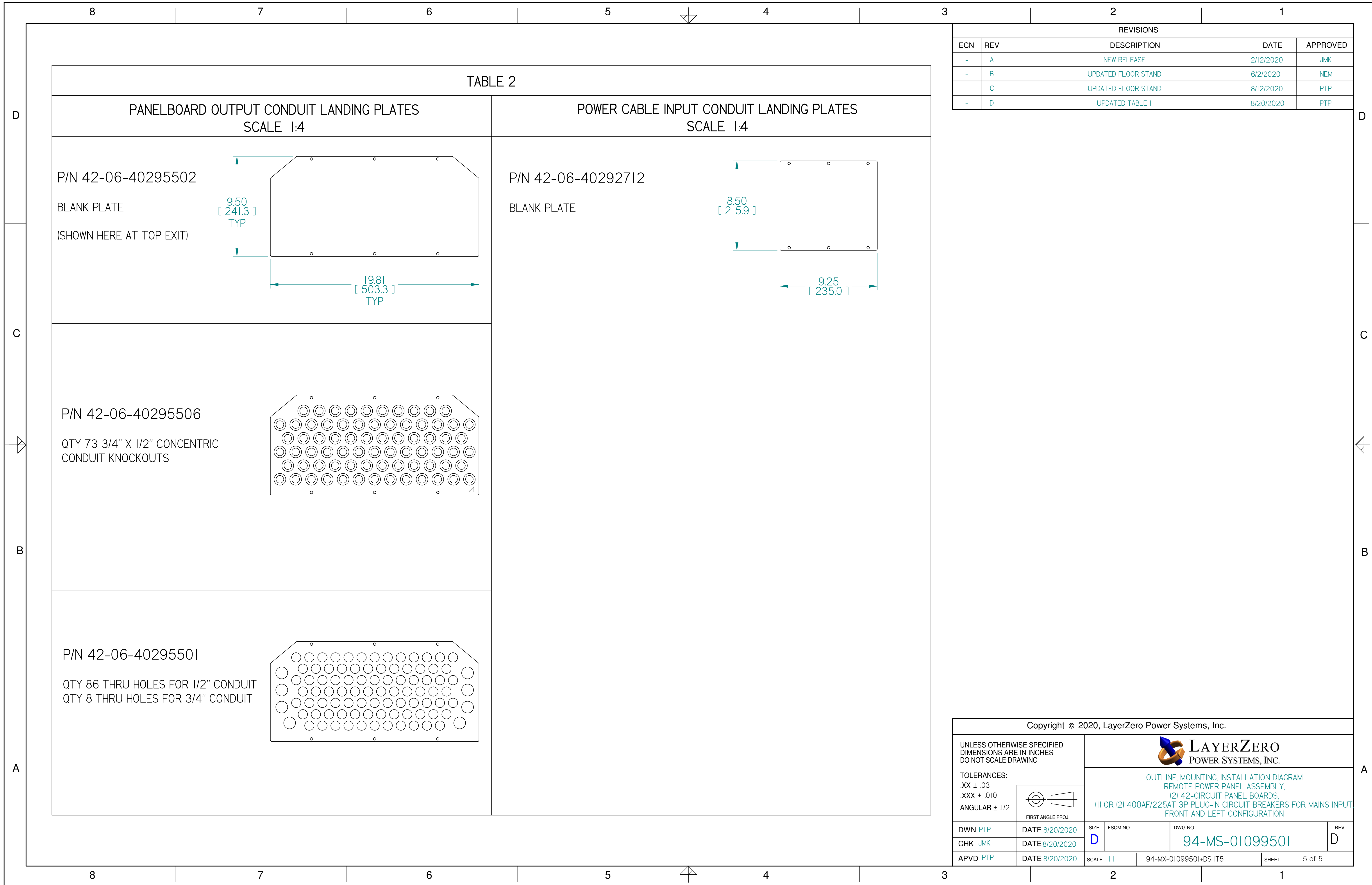
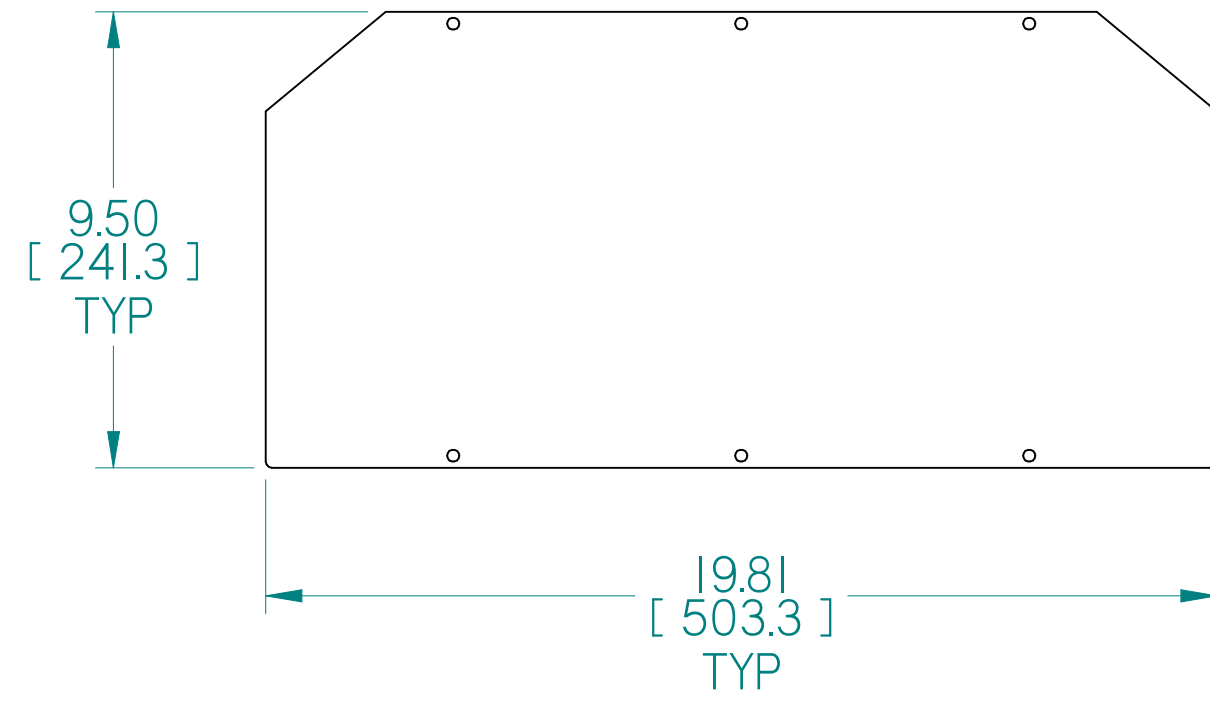


TABLE 2

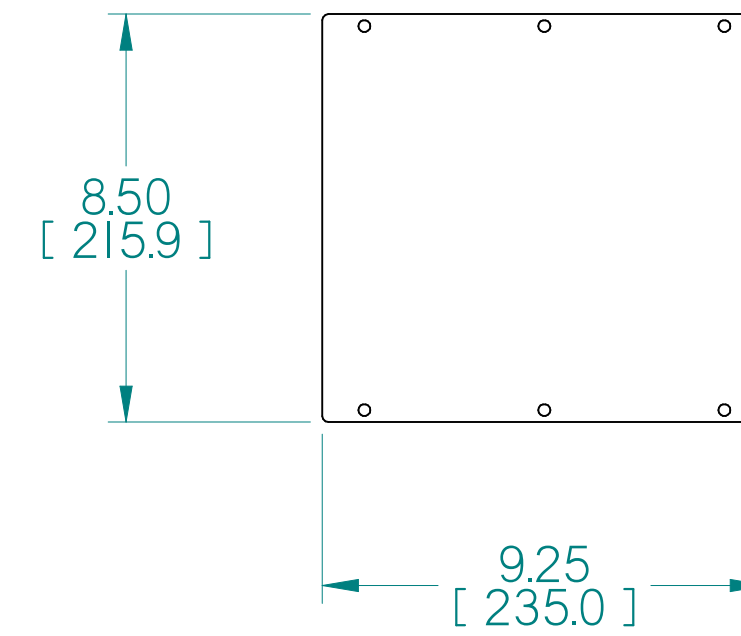
PANELBOARD OUTPUT CONDUIT LANDING PLATES
SCALE 1:4

POWER CABLE INPUT CONDUIT LANDING PLATES
SCALE 1:4

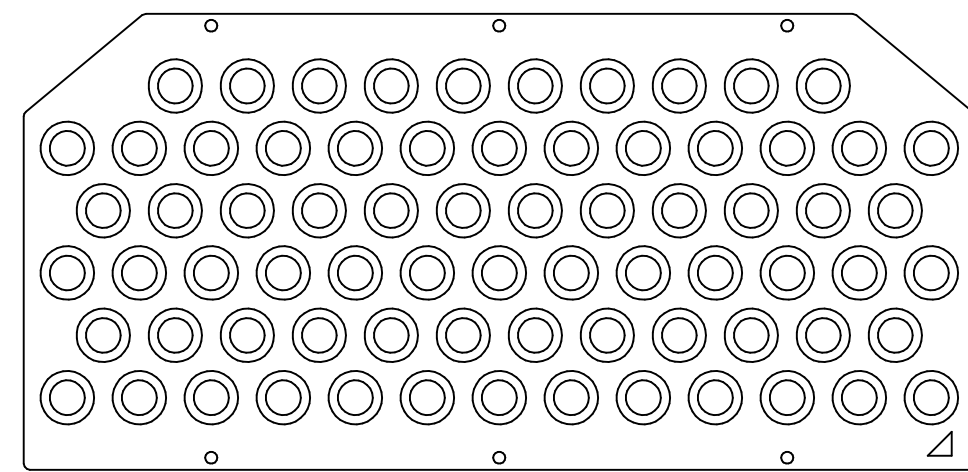
P/N 42-06-40295502
BLANK PLATE
(SHOWN HERE AT TOP EXIT)



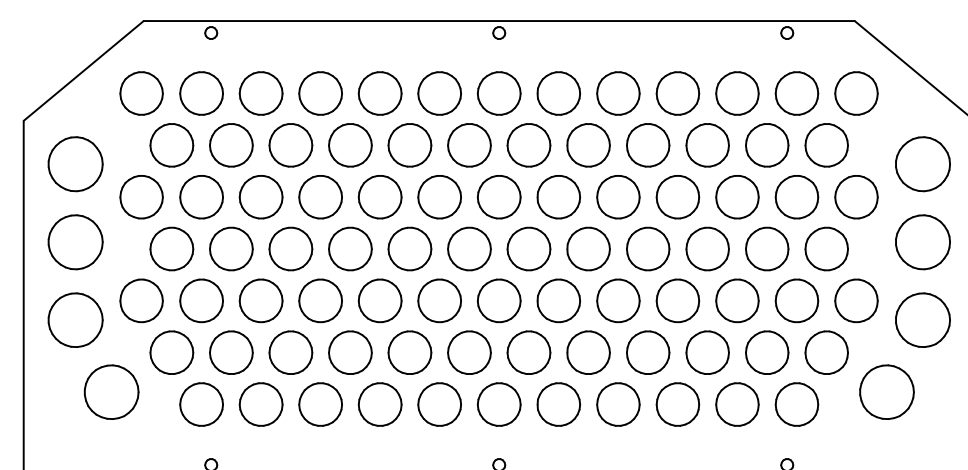
P/N 42-06-40292712
BLANK PLATE



P/N 42-06-40295506
QTY 73 3/4" X 1/2" CONCENTRIC
CONDUIT KNOCKOUTS



P/N 42-06-40295501
QTY 86 THRU HOLES FOR 1/2" CONDUIT
QTY 8 THRU HOLES FOR 3/4" CONDUIT



REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	2/12/2020	JMK
-	B	UPDATED FLOOR STAND	6/2/2020	NEM
-	C	UPDATED FLOOR STAND	8/12/2020	PTP
-	D	UPDATED TABLE 1	8/20/2020	PTP

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TOLERANCES:
.XX ± .03
.XXX ± .010
ANGULAR ± .1/2

FIRST ANGLE PROJ.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
REMOTE POWER PANEL ASSEMBLY,
(2) 42-CIRCUIT PANEL BOARDS,
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FRONT AND LEFT CONFIGURATION

DWN PTP	DATE 8/20/2020	SIZE D	FSCM NO.	DWG NO. 94-MS-01099501	REV D
CHK JMK	DATE 8/20/2020	SCALE 1:1	94-MX-01099501-DSHT5	SHEET 5 of 5	
APVD PTP	DATE 8/20/2020				