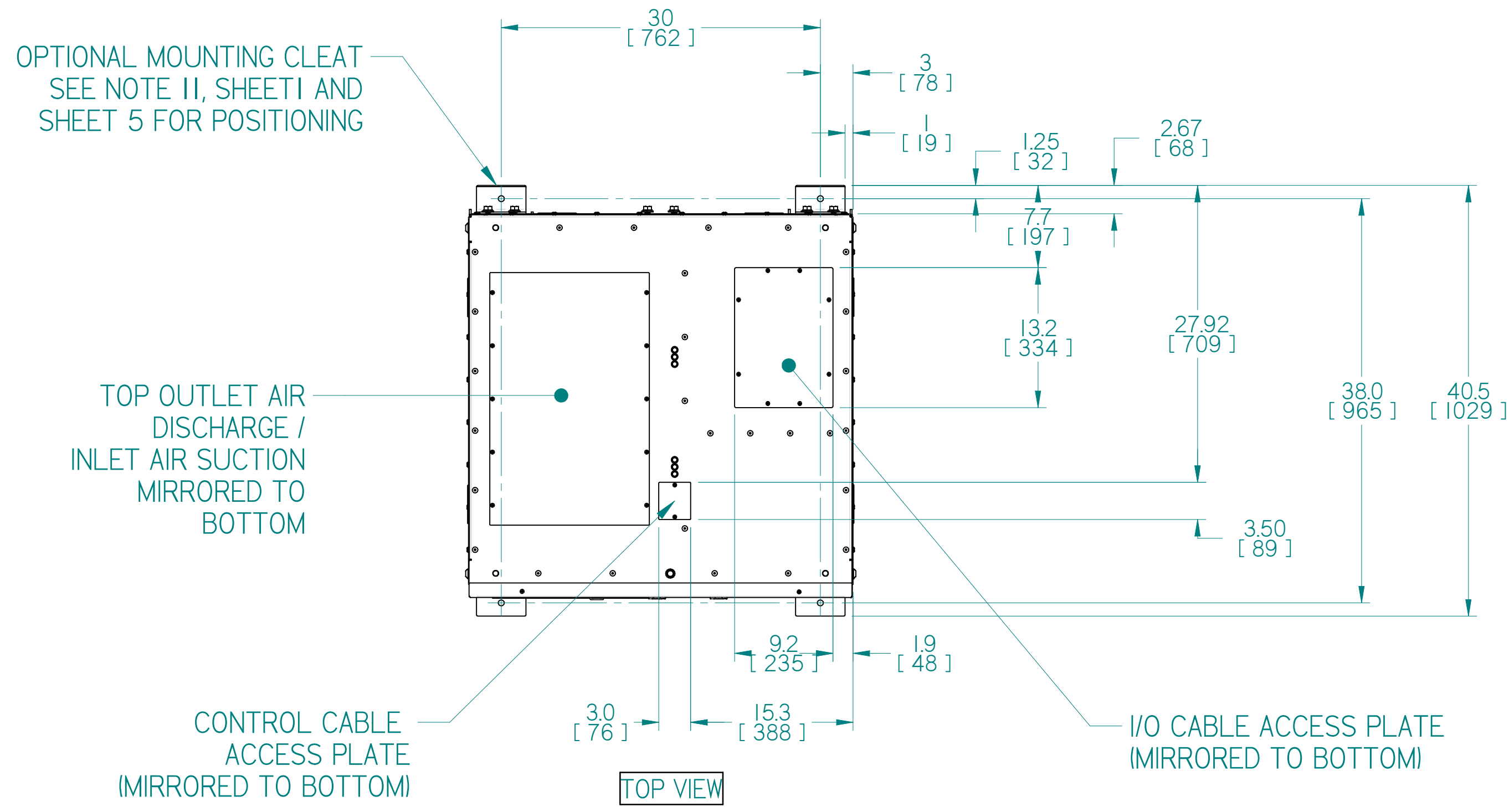
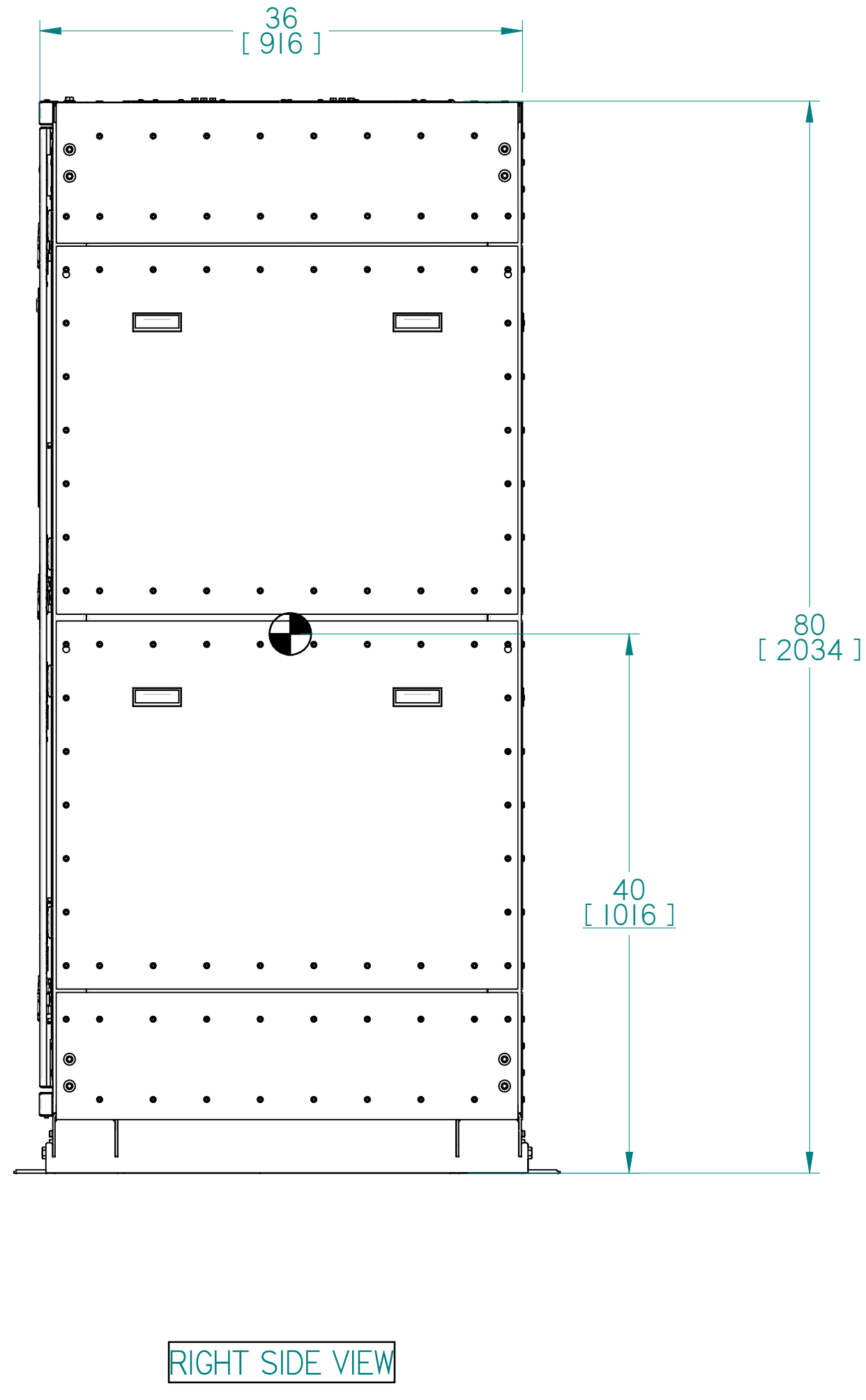
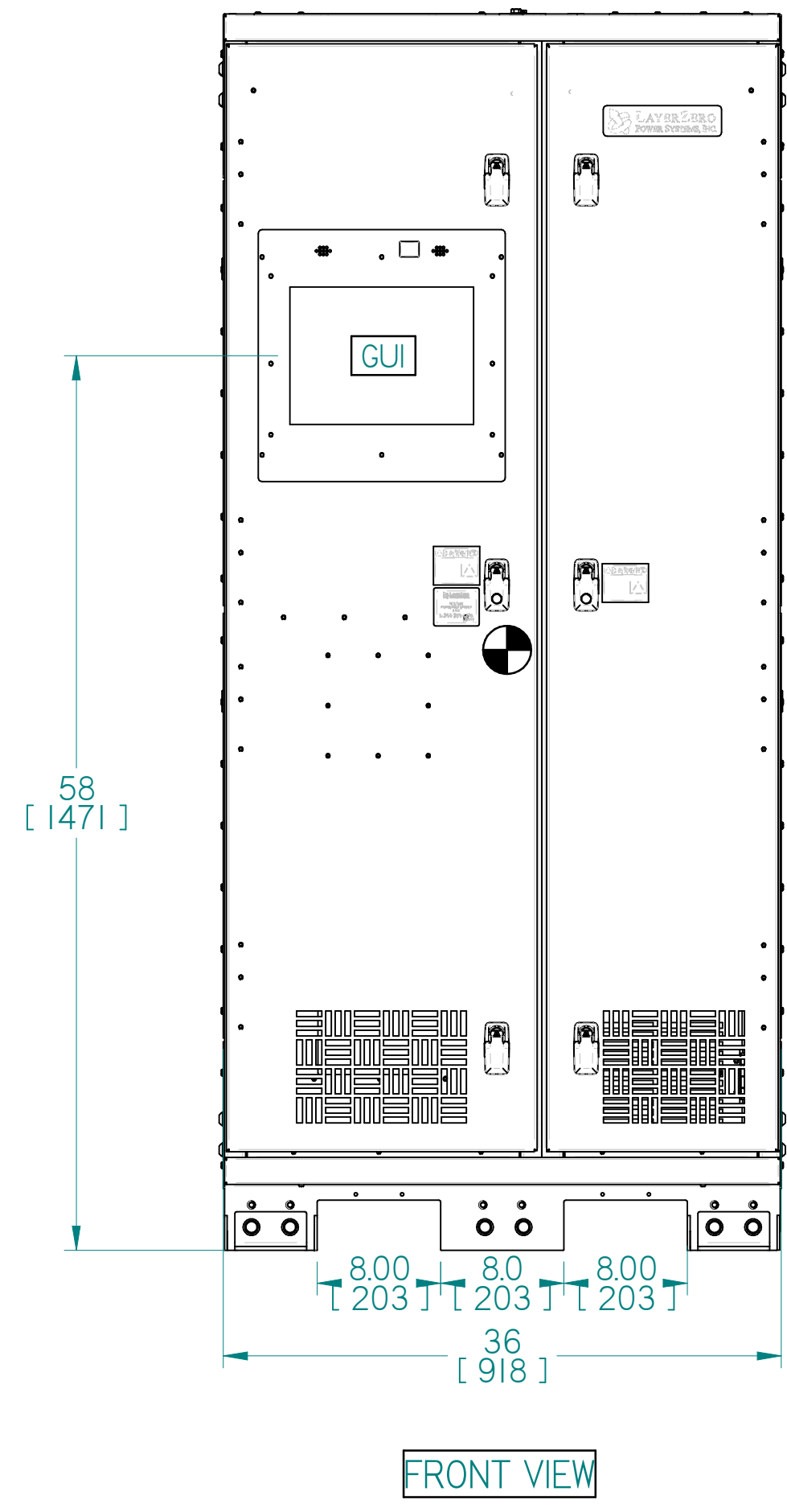


REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	11/16/2021	SPJ
-	B	AS-BUILT UPDATES	10/25/2022	JAD
-	C	UPDATED OUTER DOOR	06/09/2023	JAD



GROSS WEIGHT
1350 LBS [620 kg] MAX

RECOMMENDED
MINIMUM CLEARANCES
FRONT: 42 [1067]
REAR: 0
SIDES: 0
TOP: 18 [457]



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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE IN mm
DO NOT SCALE DRAWING

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

FIRST ANGLE PROJ.

LAYERZERO
POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
Series 70 eSTS
2-Source, 150A/250A, SMR or TMR

DWN SPJ	DATE 11/16/2021	SIZE D	FSCM NO.	DWG NO.	REV C
CHK NEM	DATE 11/16/2021			94-MS-01112501	
APVD SPJ	DATE 11/16/2021	SCALE 1:10	94-MS-01112501-CSHT2	SHEET	2 of 5

8

7

6

5

4

3

2

1

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	11/16/2021	SPJ
-	B	AS-BUILT UPDATES	10/25/2022	JAD
-	C	UPDATED OUTER DOOR	06/09/2023	JAD

D

D

C

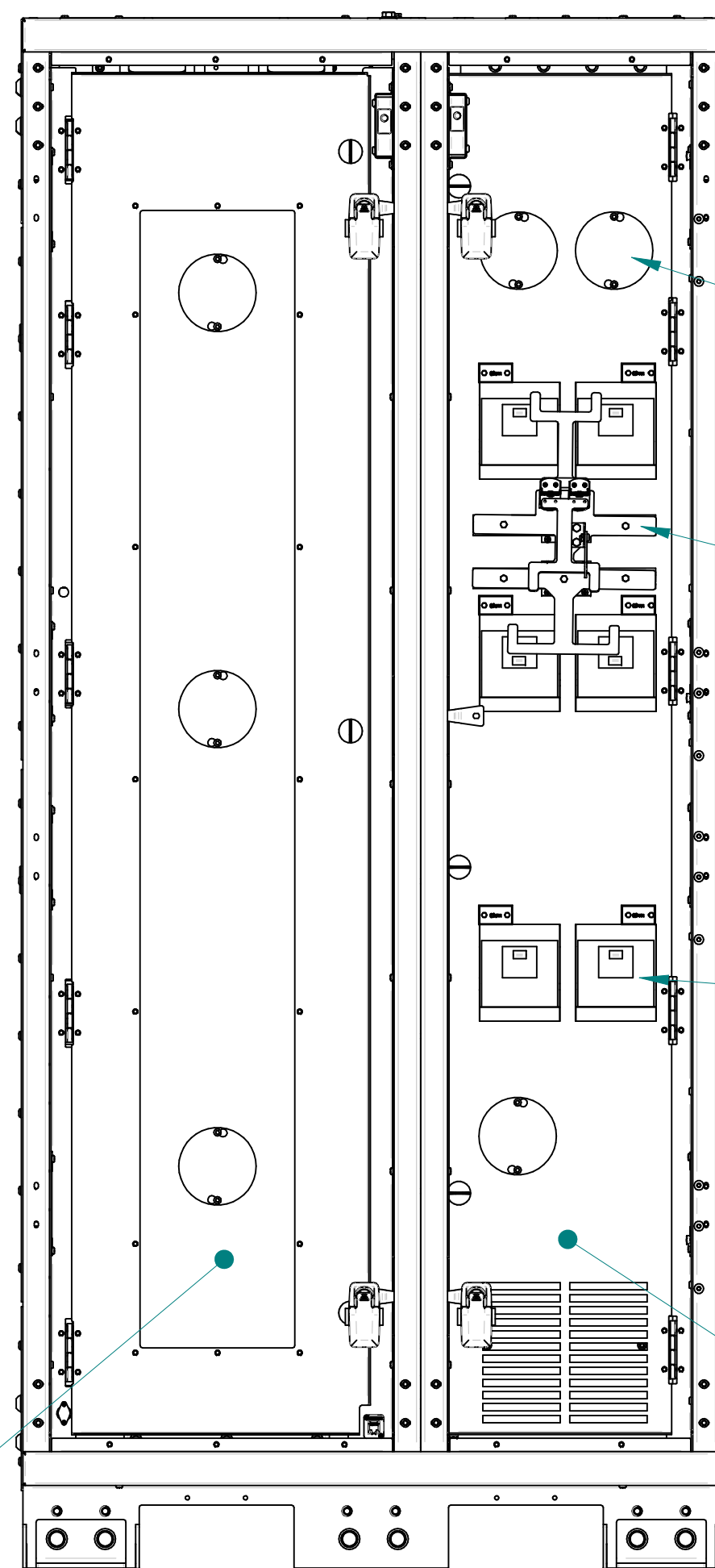
C

B

B

A

A



CONTROL/
HEATSINK AREA

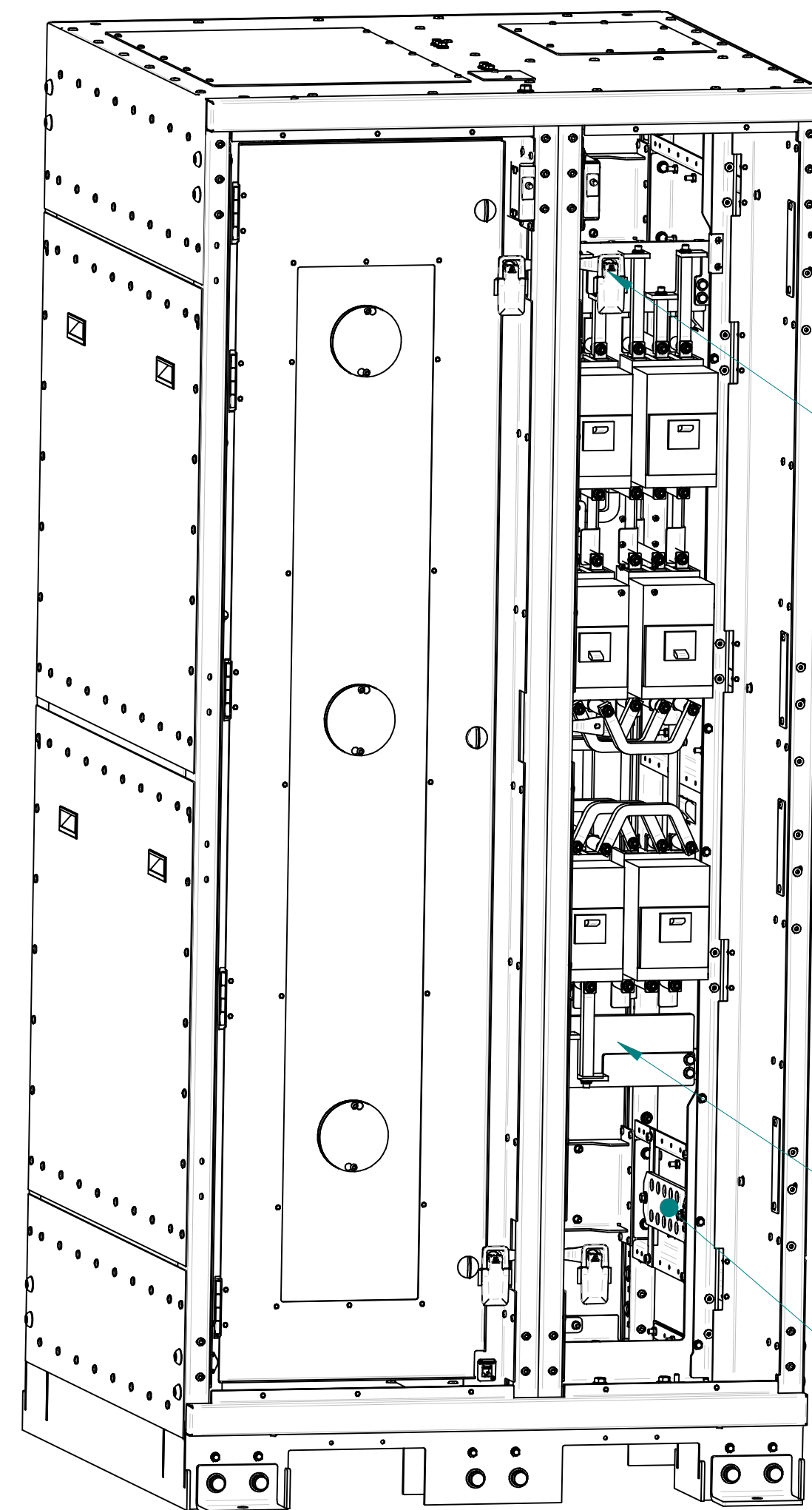
INFRARED
PORTALS

BYPASS INTERLOCK

CB302
(OPTIONAL)

CIRCUIT BREAKER
SECTION

FRONT VIEW WITH
EXTERIOR CABINET
DOORS REMOVED



I/O CABLE SECTION
INPUT

I/O CABLE SECTION
OUTPUT

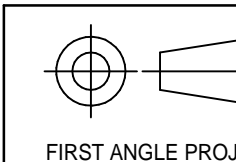
GND

ISOMETRIC VIEW WITH
INTERIOR CIRCUIT
BREAKER BAY
DEADFRONT DOOR
REMOVED

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



OUTLINE, MOUNTING, INSTALLATION DIAGRAM
Series 70 eSTS
2-Source, 150A/250A, SMR or TMR

DWN SPJ	DATE 11/16/2021	SIZE D	FSCM NO.	DWG NO. 94-MS-01112501	REV C
CHK NEM	DATE 11/16/2021	SCALE 1:8	94-MS-01112501-CSHT3	SHEET	3 of 5
APVD SPJ	DATE 11/16/2021				

8

7

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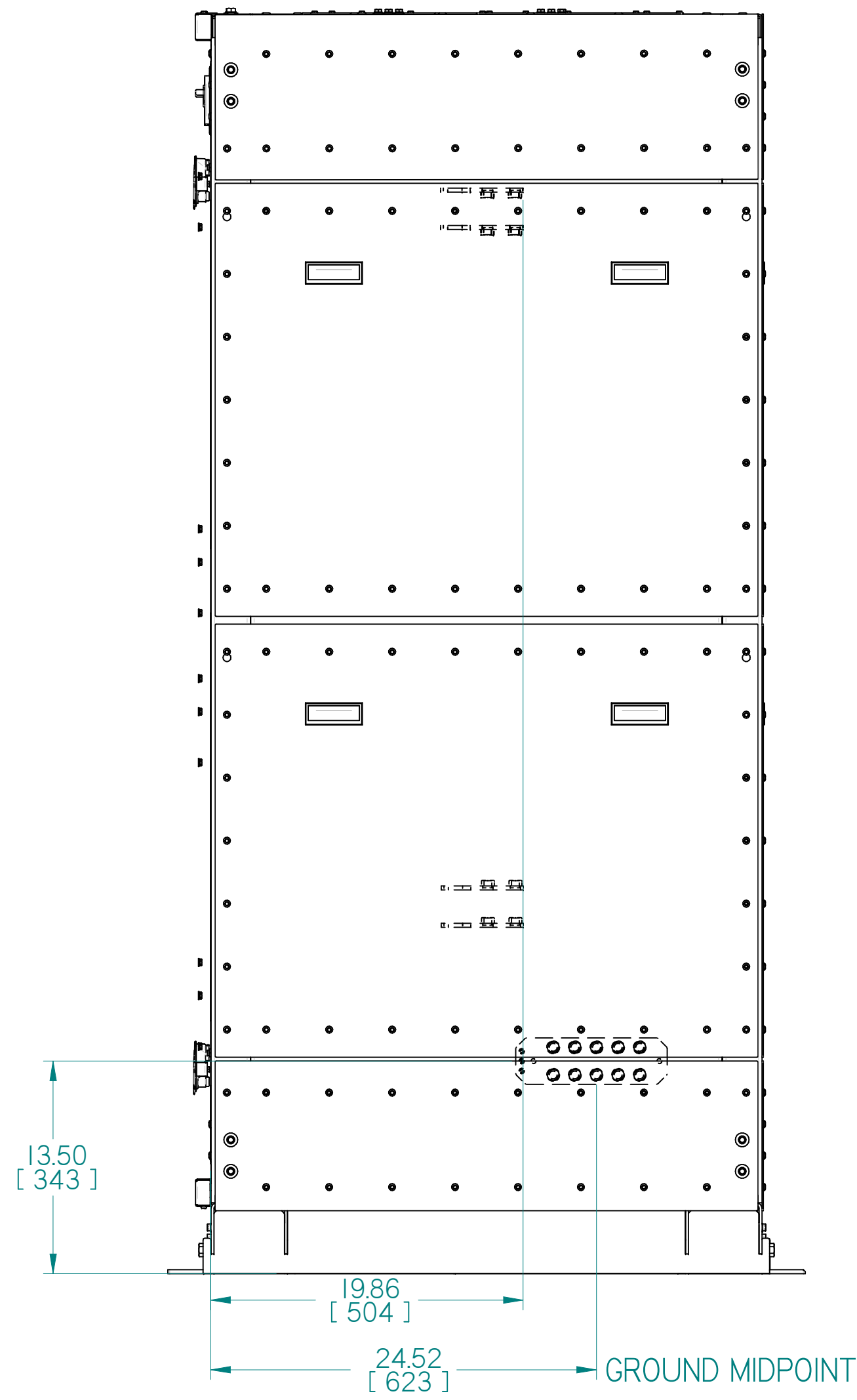
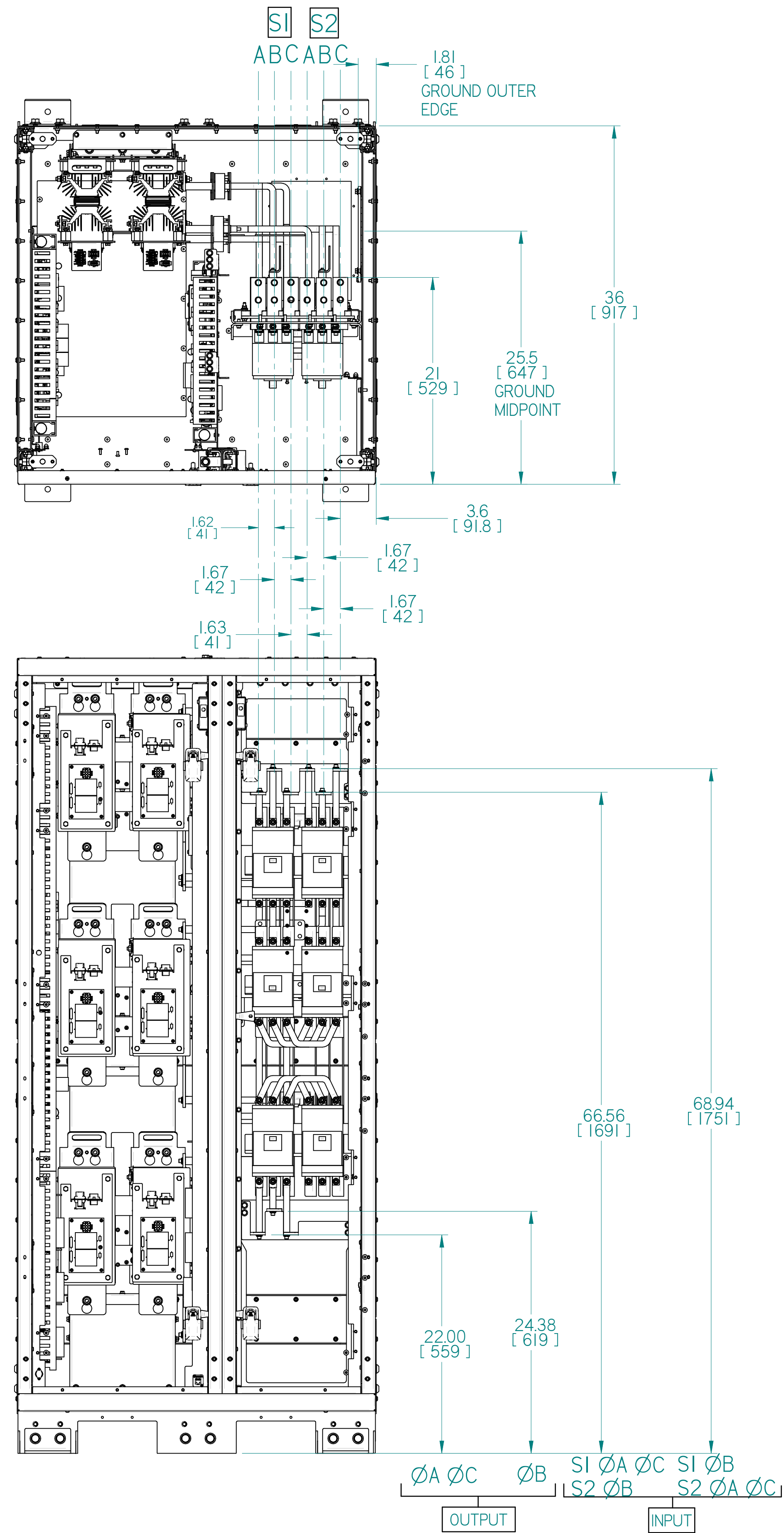
2

1

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	11/16/2021	SPJ
-	B	AS-BUILT UPDATES	10/25/2022	JAD
-	C	UPDATED OUTER DOOR TABLE 1	06/09/2023	JAD

CABLE SIZE AND LUGS				
DESCRIPTION	RECOMMENDED COPPER WIRE SIZE (75 °C WIRE MIN)	RECOMMENDED ALUMINUM WIRE SIZE (75 °C WIRE MIN)	MAXIMUM WIRE CONNECTIONS	LUG TYPE & SIZE (75 °C WIRE MIN)
SOURCE INPUT / OUTPUT PHASES	250 MCM MAX	350 MCM MAX	(2) STACKED PER PHASE	NEMA 2-HOLE (1/2" DIA) ON 1-3/4" CENTER BUS LANDING MAX LUG WIDTH 1.50"
GROUND BUS (COMBINED SOURCE INPUT & OUTPUT)	250 MCM MAX	350 MCM MAX	(4) INDIVIDUALLY OR (8) STACKED	NEMA 2-HOLE (1/2" DIA) ON 1-3/4" CENTER BUS LANDING
OUTPUT NEUTRAL BUS (4-WIRE CONFIGURATION ONLY)	250 MCM MAX	350 MCM MAX	(3) INDIVIDUALLY OR (6) STACKED	NEMA 2-HOLE (1/2" DIA) ON 1-3/4" CENTER BUS LANDING
CONTROL WIRE	16-20 AWG STRANDED	N/A	N/A	NOT REQUIRED

Compression lugs for Source 1 & 2 Input Phases and Ground lugs provided by others



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

FIRST ANGLE PROJ.

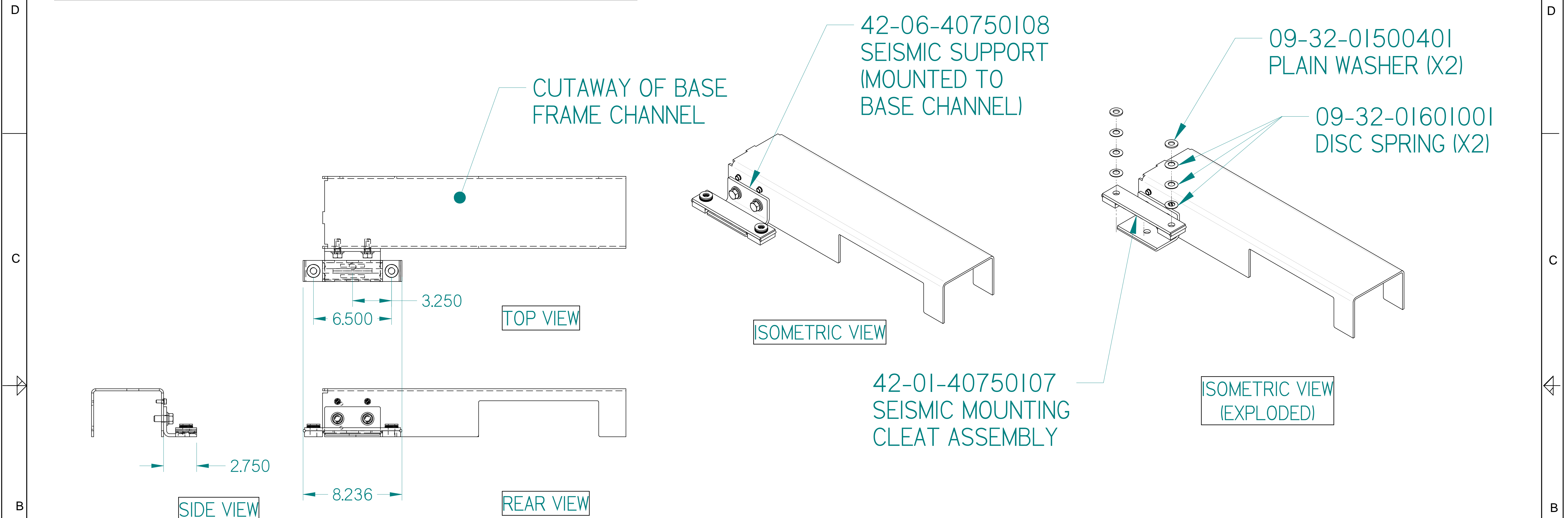
LAYERZERO
POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
Series 70 eSTS
2-Source, 150A/250A, SMR or TMR

DWN SPJ	DATE 11/16/2021	SIZE D	FSCM NO.	DWG NO. 94-MS-01112501	REV C
CHK NEM	DATE 11/16/2021	SCALE 1:8	94-MS-01112501-CSHT4	SHEET 4 of 5	
APVD SPJ	DATE 11/16/2021				

42-00-40750107 SEISMIC MOUNTING CLEAT ASSEMBLY INSTRUCTION

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
-	A	NEW RELEASE	11/16/2021	SPJ
-	B	AS-BUILT UPDATES	10/25/2022	JAD
-	C	UPDATED OUTER DOOR	06/09/2023	JAD



- NOTES:**
1. THE FOLLOWING IS TO BE USED AS A GUIDE TO INSTALL SEISMIC MOUNTING CLEATS ON LAYERZERO CABINETS. THE CLEATS ARE USED WHERE REAR ACCESS IS UNAVAILABLE AFTER FINAL INSTALLATION.
 2. CLEATS WILL BE PROVIDED FOR ALL REAR SEISMIC SUPPORTS.
 3. THE SEISMIC ENGINEER AT THE SITE WILL DETERMINE THE TYPES OF ANCHORS TO BE USED AND 2 ANCHORS ARE NEEDED PER CLEAT.
 4. THE CLEATS ARE SIZED FOR 1/2IN (12mm) SEISMIC ANCHORS WITH A REQUIRED TORQUE FO 50LB-FT (67.69Nm).
 5. LOCATE THE CLEATS OFF OF THE CENTERLINE OF THE 42-06-40750108 SEISMIC SUPPORTS ON THE BASE CHANNEL AS SHOWN IN THE TOP AND SIDE VIEWS.
 6. AFTER ANCHOR STUDS OR WELLS ARE INSTALLED INTO THE FLOOR MOUNT THE 42-01-40750107 SEISMIC MOUNTING CLEAT ASSEMBLY WITH DISC SPRINGS AND PLAIN WASHERS AS SHOWN IN THE EPLoded ISOMETRIC VIEW.
 7. TORQUE TIGHTEN ANCHORAGE TO 50LB-FT (67.79Nm) OF TORQUE.
 8. INSTALL CABINET BY SLIDING THE UNIT IN WITH THE SEISMIC SUPPORTS UNDERNEATH THE SEISMIC CLEATS. COMPLETE INSTALLATION WITH ANCHORAGE OF THE FRONT SEISMIC SUPPORTS TO TEH GROUND.

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

FIRST ANGLE PROJ.

LAYERZERO
POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
Series 70 eSTS
2-Source, 150A/250A, SMR or TMR

DWN SPJ	DATE 11/16/2021	SIZE D	FSCM NO.	DWG NO. 94-MS-01112501	REV C
CHK NEM	DATE 11/16/2021	SCALE 1:1	94-MS-01112501-CSHT5	SHEET	5 of 5
APVD SPJ	DATE 11/16/2021				