

8

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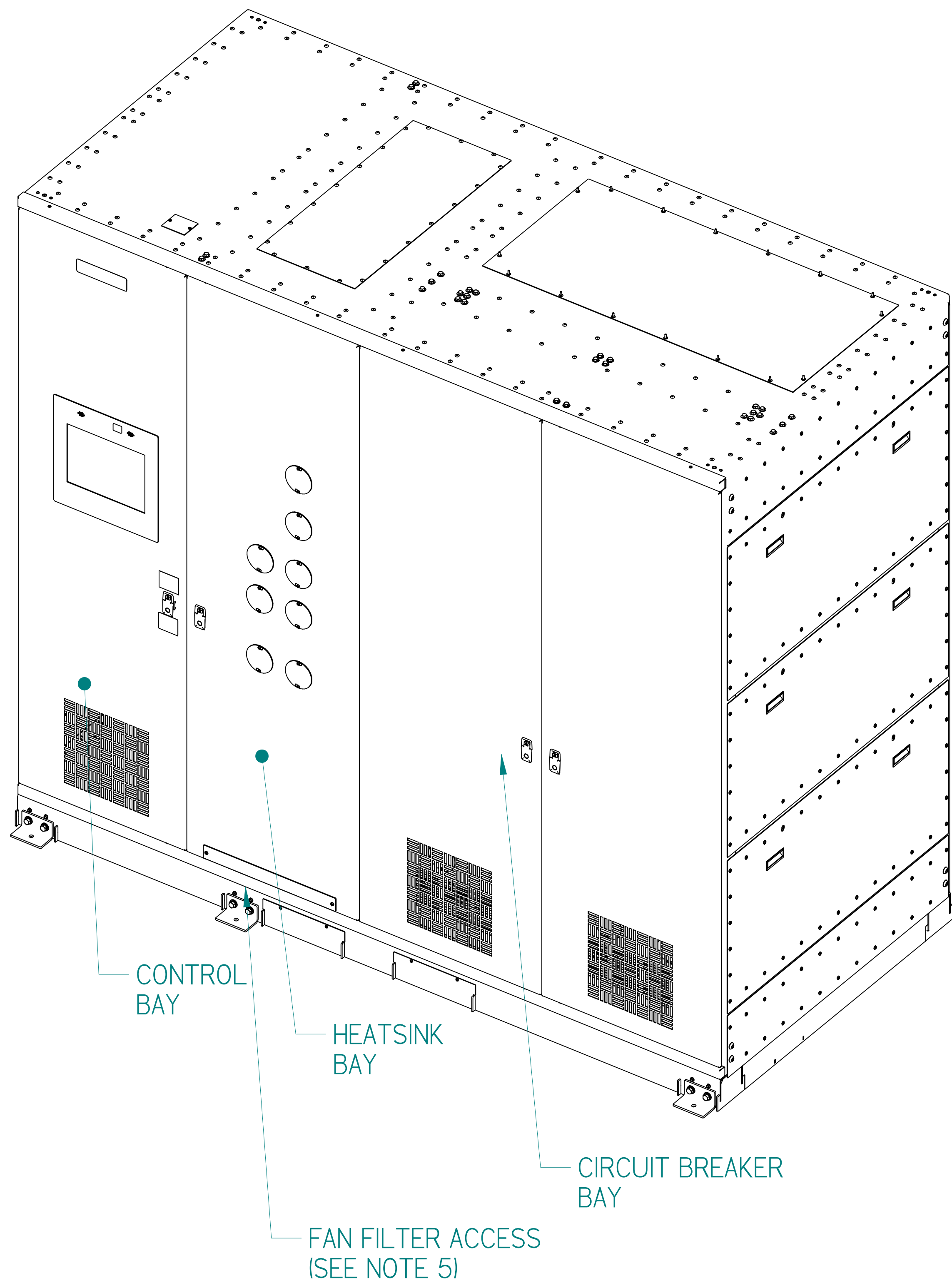
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ECN	REV	DESCRIPTION	DATE	APPROVED
	A	NEW RELEASE	01/01/1900	-




FRONT ISOMETRIC VIEW

Notes:

1. Front access only required for operation and servicing of Series 70 eSTS. Top or Bottom Access is available. A junction box can be supplied for the bottom or the top of the cabinet. Junction boxes will ship separately for field installation mating to cabinet access plates and are quoted as an extras part.
2. The Series 70 eSTS is mounted on a single common frame with all internal connections factory provided.
3. The unit is provided with front forklift provision as shown on Sht2 for maneuvering.
4. The unit is provided with access portal for fan filter inspection and servicing while the unit is in operation.
5. For the 2 Source Series 70 eSTS, with a 277/480V / 1600A / 60Hz / SMR 4-wire configuration:
See Sheet 3 for Cable Access Areas (Table II) and recommended wire size (Table II). See Sheet 5 for Cable Landing Locations.
6. eSTS Heat Rejection:
22,350 BTU/Hr [6,550W]
7. See One-Line electrical diagram for further detail.

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TOLERANCES: 0.XX : 0.03 0.XXX : 0.010 ANGULAR : 1/2°		OUTLINE, MOUNTING AND INSTALLATION DIAGRAM, 277/480V, 1600A, 2-SOURCE, 4W4P, SERIES 70 eSTS		
DWN: JAD	DATE: 04/20/2026	SIZE: D	THIRD ANGLE PROJ.	DWG NO.: 94-MS-01140601
CHK: TBD	DATE: 04/20/2026	SCALE: 1:10	94-MS-01140601 SHT1	REV: A
APVD: JAD	DATE: 04/20/2026	SHEET 1 of 5		

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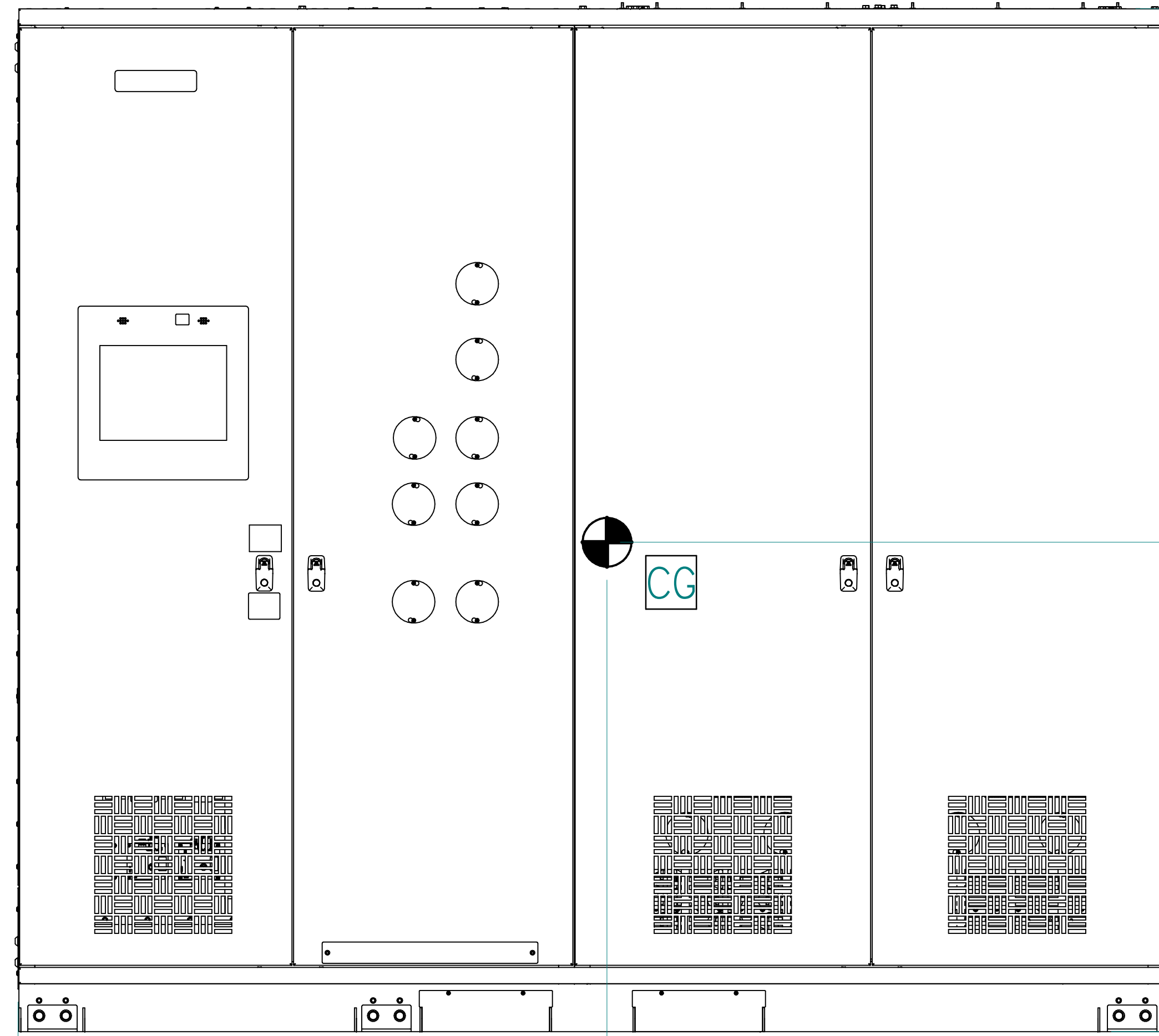
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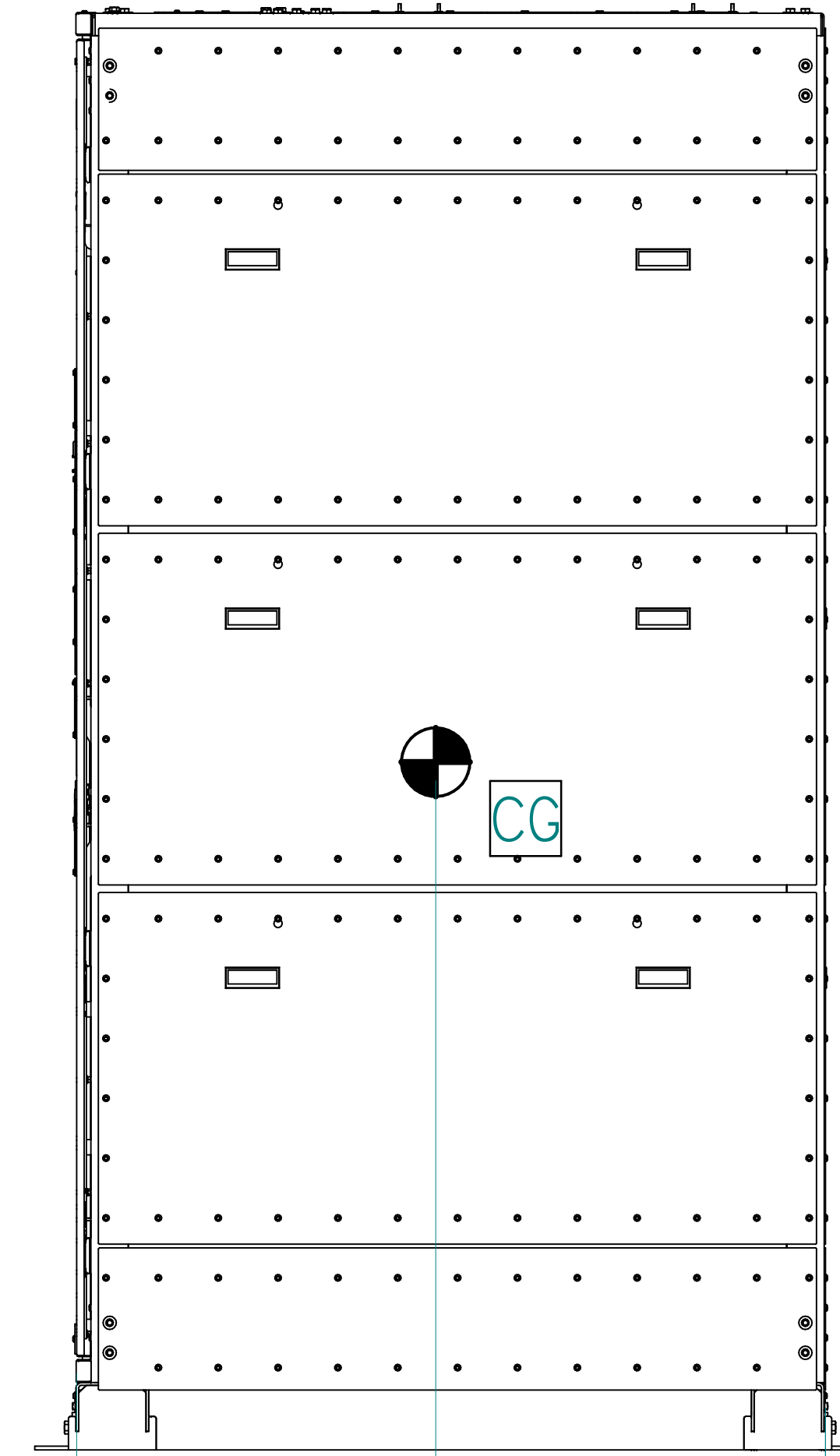
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108 [2734]
 52 [1330]

FRONT VIEW



50 [1271]
 55.5 [1410]
 26 [662]
 W/ FLOOR ANCHORS

RIGHT SIDE VIEW

RECOMMENDED
 MINIMUM
 CLEARANCES:
 FRONT: 42 IN. [1067]
 REAR: 4 IN. [102]
 SIDES: 0 IN.
 TOP: 18 IN. [457]

 GROSS WEIGHT:
 5,600# [2540kg]

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CAGE NO.
 6DWE3

OUTLINE, MOUNTING AND INSTALLATION
 DIAGRAM, 277/480V, 1600A, 2-SOURCE, 4W4P,
 SERIES 70 eSTS

DWN: JAD	DATE: 04/20/2026
CHK: TBD	DATE: 04/20/2026
APVD: JAD	DATE: 04/20/2026

SIZE: D	THIRD ANGLE PROJ.	DWG NO.: 94-MS-01140601	REV: A
SCALE: 1:10	94-MS-01140601 SHT2	SHEET 2 of 5	

REVISIONS				
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RECOMMENDED
MINIMUM
CLEARANCES:
FRONT: 42 IN. [1067]
REAR: 4 IN. [102]
SIDES: 0 IN.
TOP: 18 IN. [457]

GROSS WEIGHT:
5,600# [2540kg]

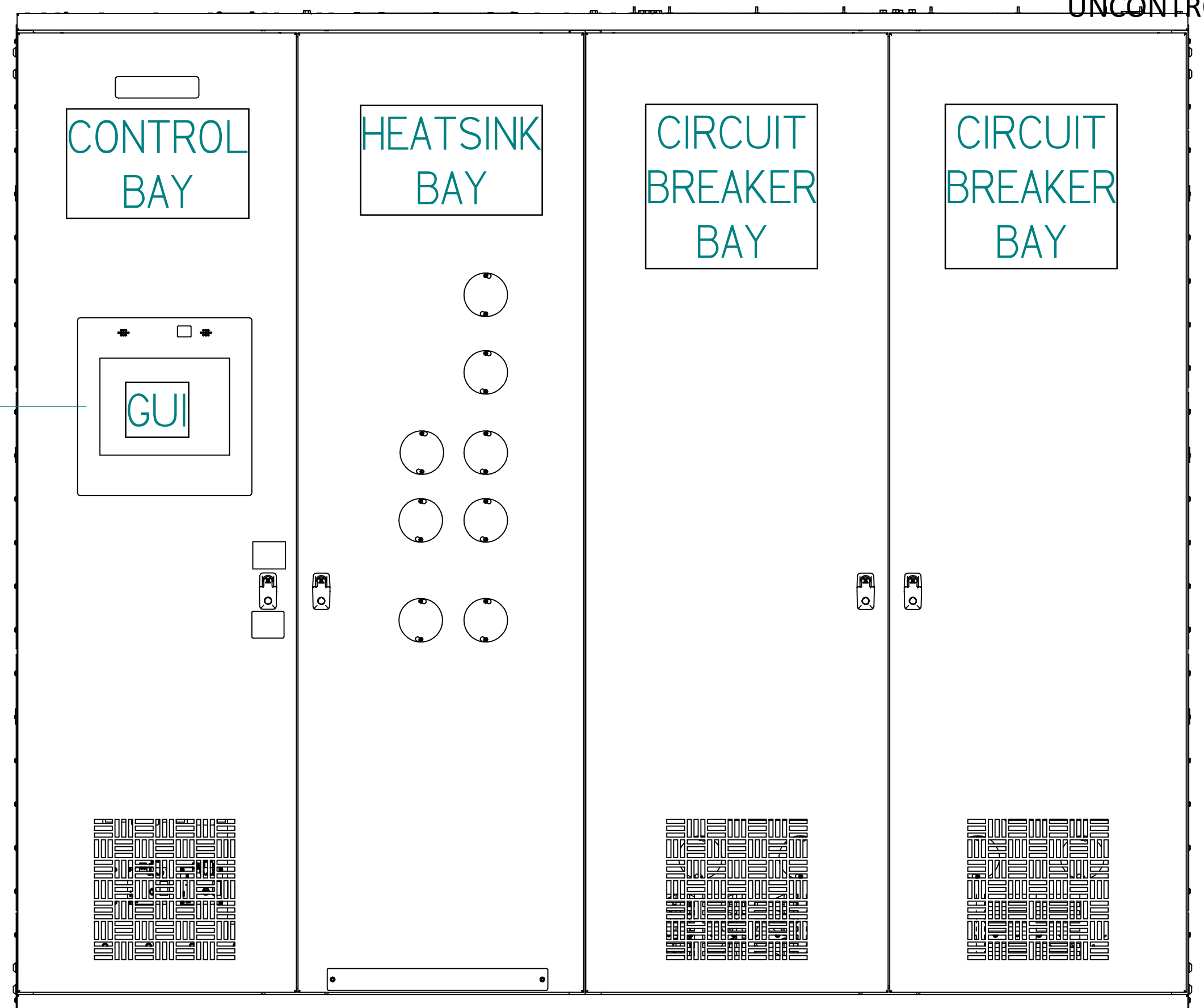


TABLE I			
Compression lugs for Input Phases and Ground/Neutral lugs provided by others			
DESCRIPTION	CABLE SIZE AND LUGS		
	RECOMMENDED COPPER WIRE SIZE (75 °C WIRE MIN)	RECOMMENDED ALUMINUM WIRE SIZE (75 °C WIRE MIN)	LUG TYPE & SIZE (75 °C WIRE MIN)
SOURCE INPUT / OUTPUT	600 MCM MAX	750 MCM MAX	NEMA 2-HOLE (Ø 1/2") ON 1-3/4" CENTER BUS LANDING
GROUND BUS (COMBINED INPUT & OUTPUT)	500 MCM MAX	700 MCM MAX	NEMA 2-HOLE (Ø 1/2") ON 1-3/4" CENTER BUS LANDING
CONTROL WIRE	16-20 AWG STRANDED	N/A	NOT REQUIRED

FRONT VIEW

FORKLIFT ACCESS

CONTROL CABLE INPUT/OUTPUT ACCESS PLATE (MIRROR TO TOP)

POWER CABLE INPUT/OUTPUT ACCESS PLATE (MIRROR TO TOP)

USE 1/2-13 HDW TO ANCHOR ON CL'S AS SHOWN (6PL)

NOTES:
I. SEE SHEET 5 FOR BUS TERMINAL DETAIL

BOTTOM VIEW

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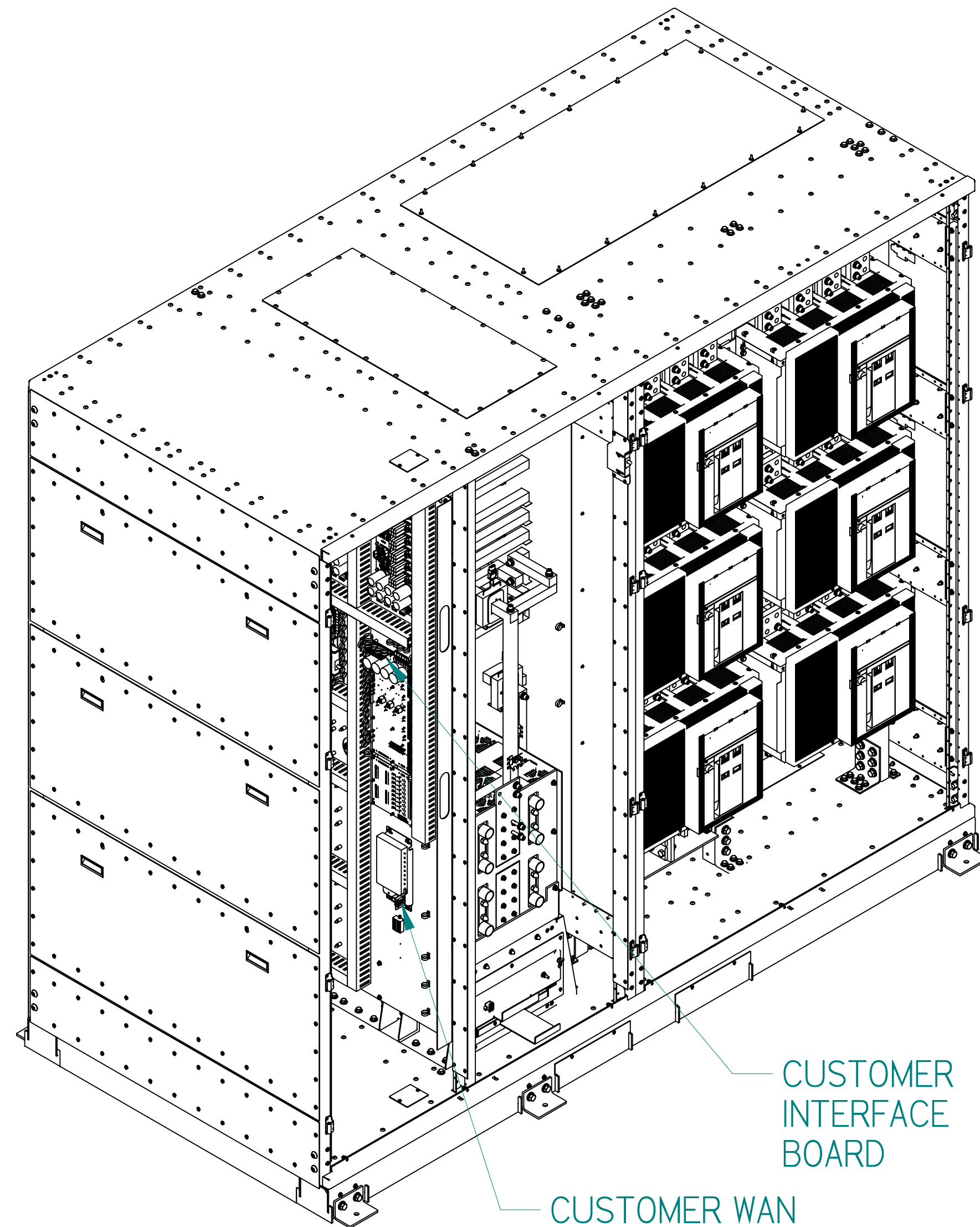
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN mm DO NOT SCALE DRAWING			CAGE NO. 6DWE3
	OUTLINE, MOUNTING AND INSTALLATION DIAGRAM, 277/480V, 1600A, 2-SOURCE, 4W4P, SERIES 70 eSTS		
DWN: JAD	DATE: 04/20/2026	SIZE: D	THIRD ANGLE PROJ.
CHK: TBD	DATE: 04/20/2026	DWG NO. 94-MS-01140601	
APVD: JAD	DATE: 04/20/2026	SCALE: 1:10	SHEET 3 of 5

REVISIONS				
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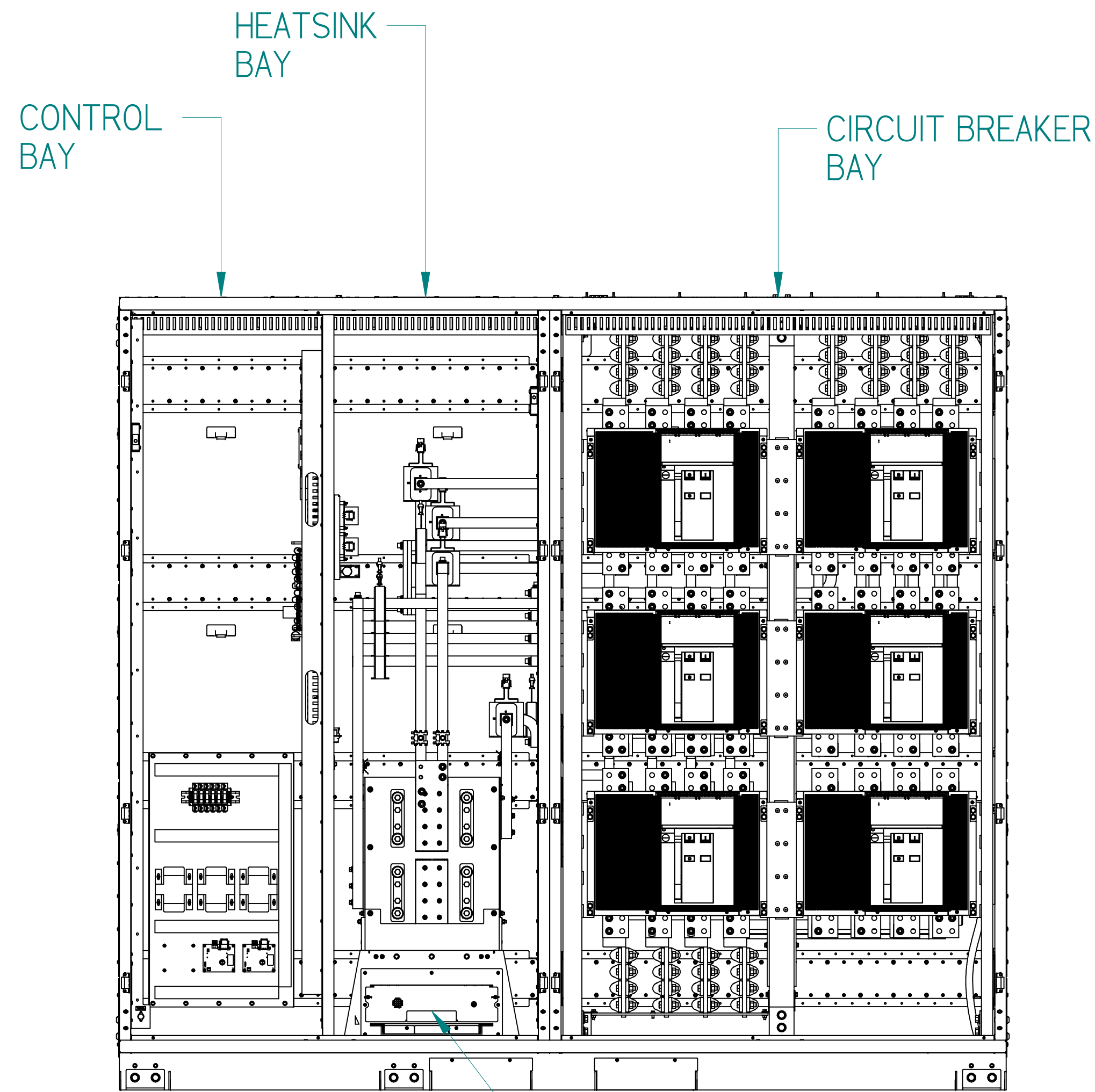
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EXTERIOR DOORS FOR CONTROL / HEATSINK BAY AND CIRCUIT BREAKER CONTROL BAYS REMOVED

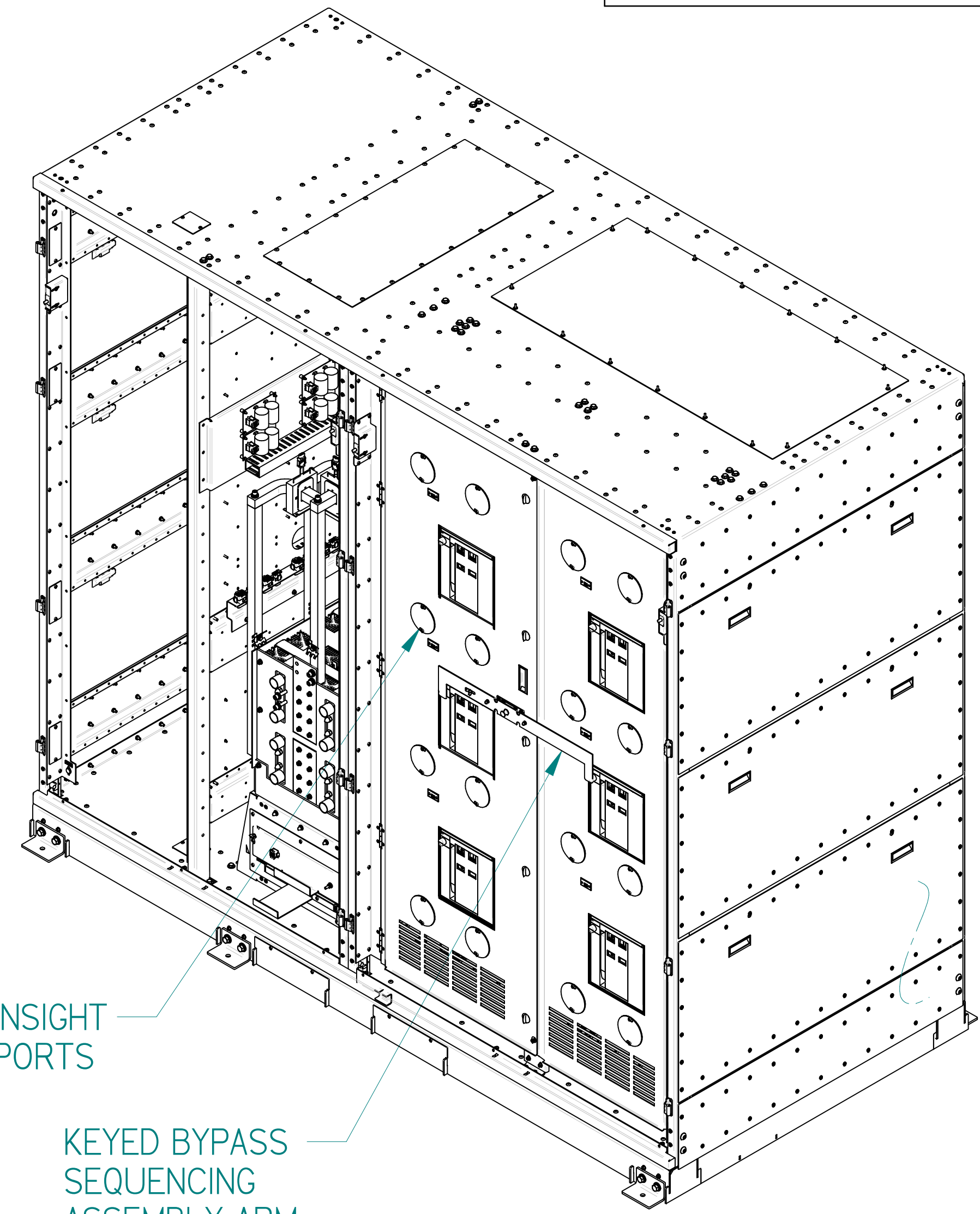
EXTERIOR DOORS FOR CIRCUIT BREAKER CONTROL BAY REMOVED



LEFT ISOMETRIC VIEW



FRONT VIEW



RIGHT ISOMETRIC VIEW

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TOLERANCES:
0.XX - 0.03
0.XXX - 0.010
ANGULAR - 1/2°

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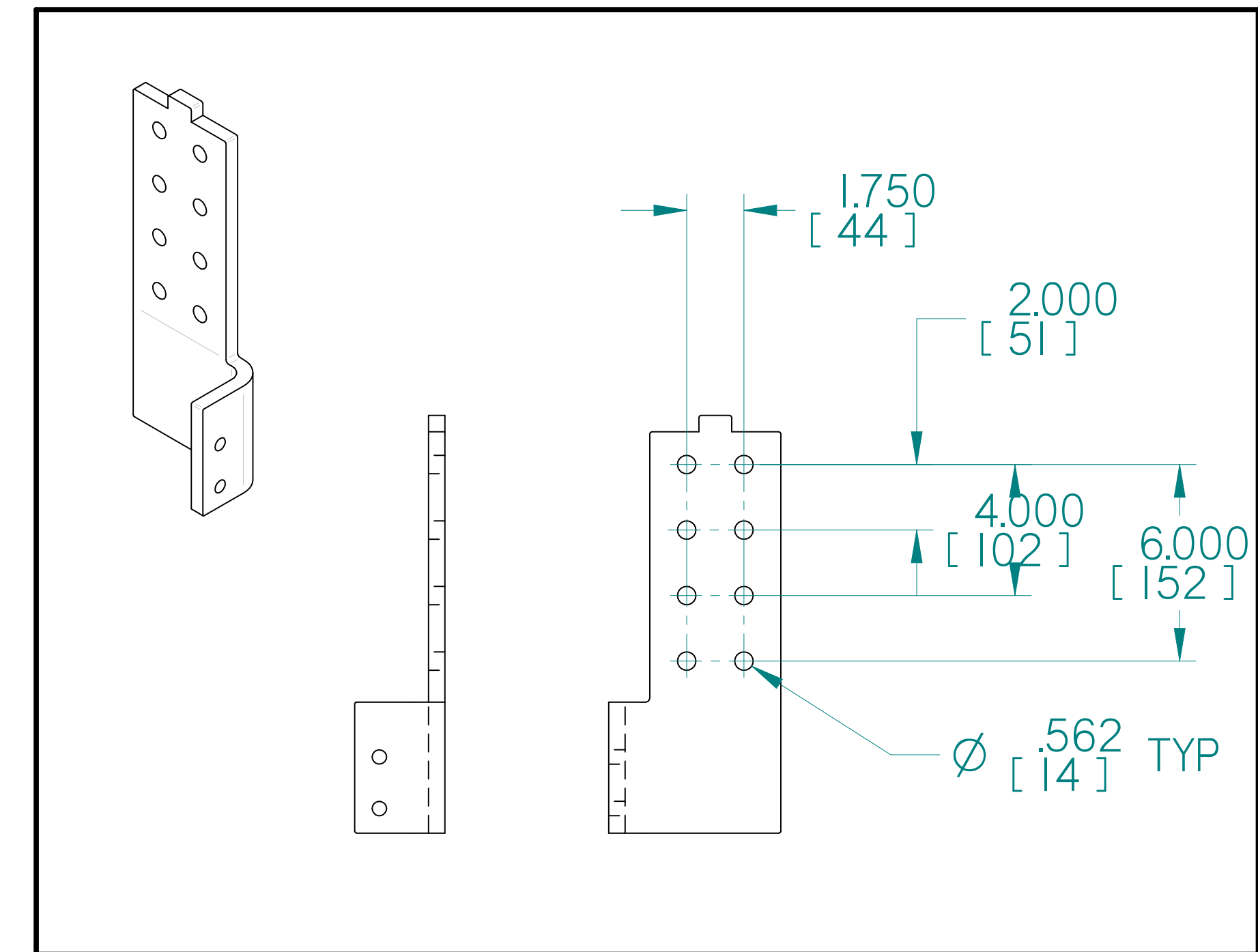
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OUTLINE, MOUNTING AND INSTALLATION DIAGRAM, 277/480V, 1600A, 2-SOURCE, 4W4P, SERIES 70 eSTS

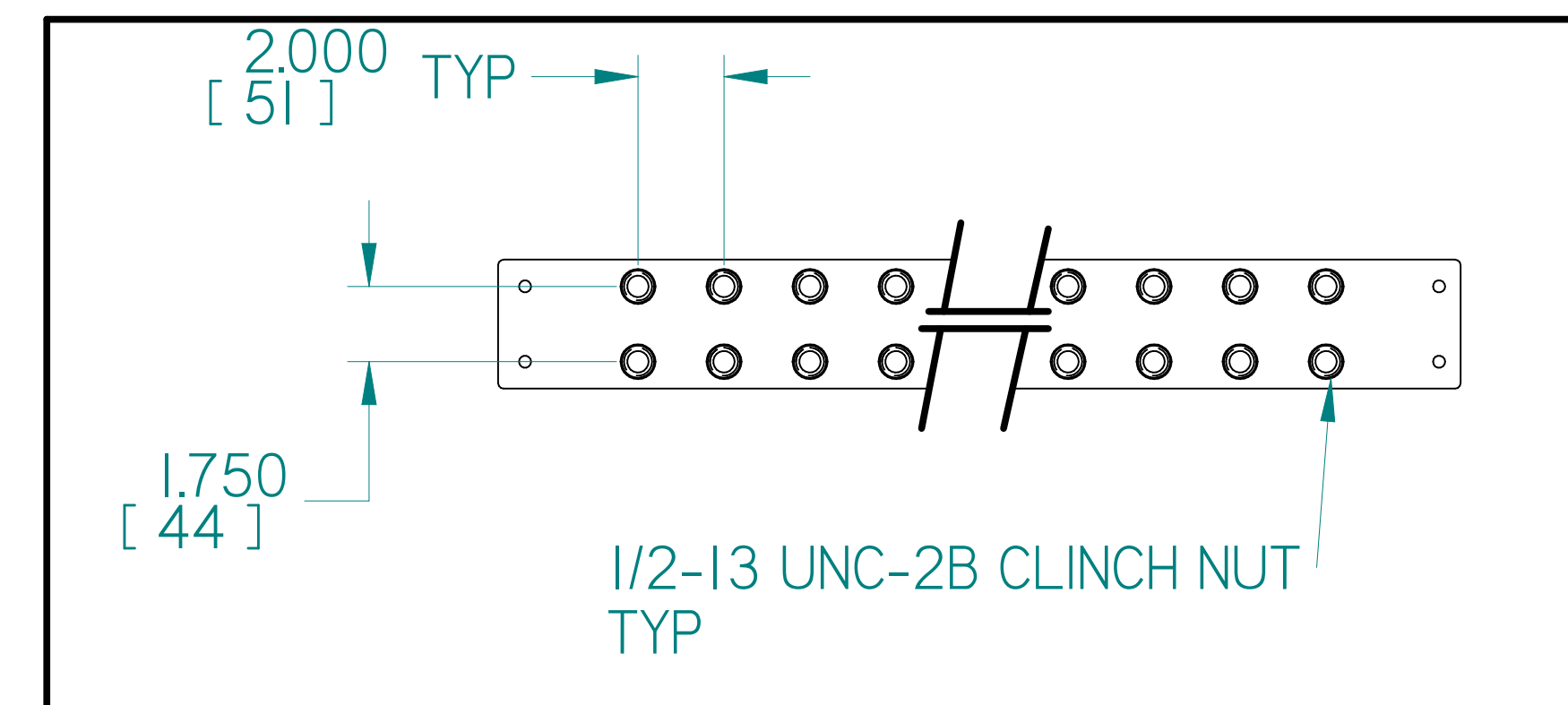
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APVD: JAD	DATE: 04/20/2026				

REVISIONS				
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INPUT/OUTPUT TERMINAL CONNECTIONS



GND TERMINAL CONNECTIONS (26PL)



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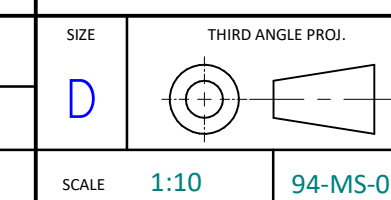
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DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE IN mm
DO NOT SCALE DRAWING



CAGE NO.
6DWE3

OUTLINE, MOUNTING AND INSTALLATION
DIAGRAM, 277/480V, 1600A, 2-SOURCE, 4W4P,
SERIES 70 eSTS

DWN: JAD	DATE: 04/20/2026
CHK: TBD	DATE: 04/20/2026
APVD: JAD	DATE: 04/20/2026



SIZE D	THIRD ANGLE PROJ.	DWG NO. 94-MS-01140601	REV A
SCALE 1:10	94-MS-01140601 SHT5	SHEET 5 of 5	

