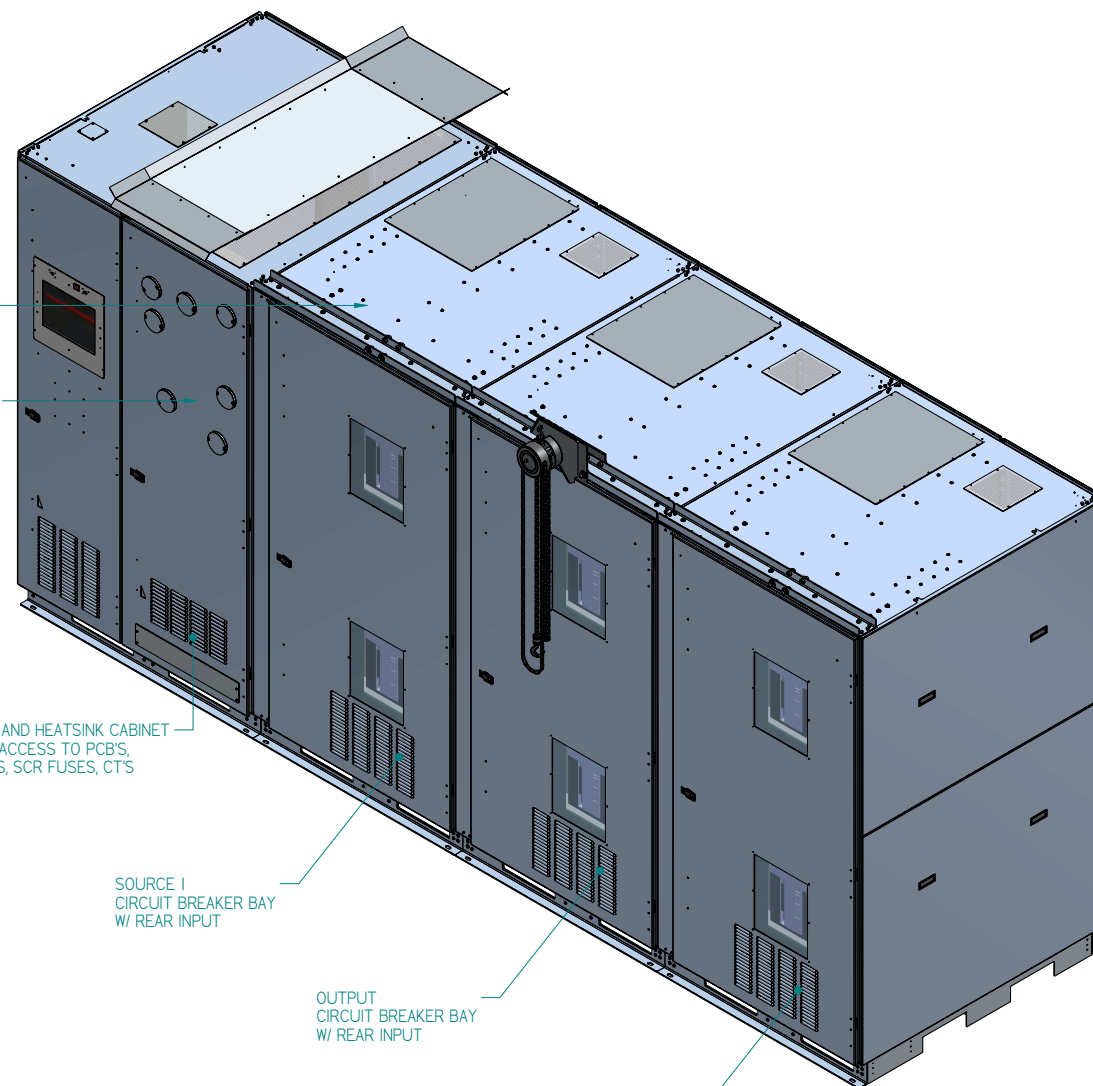




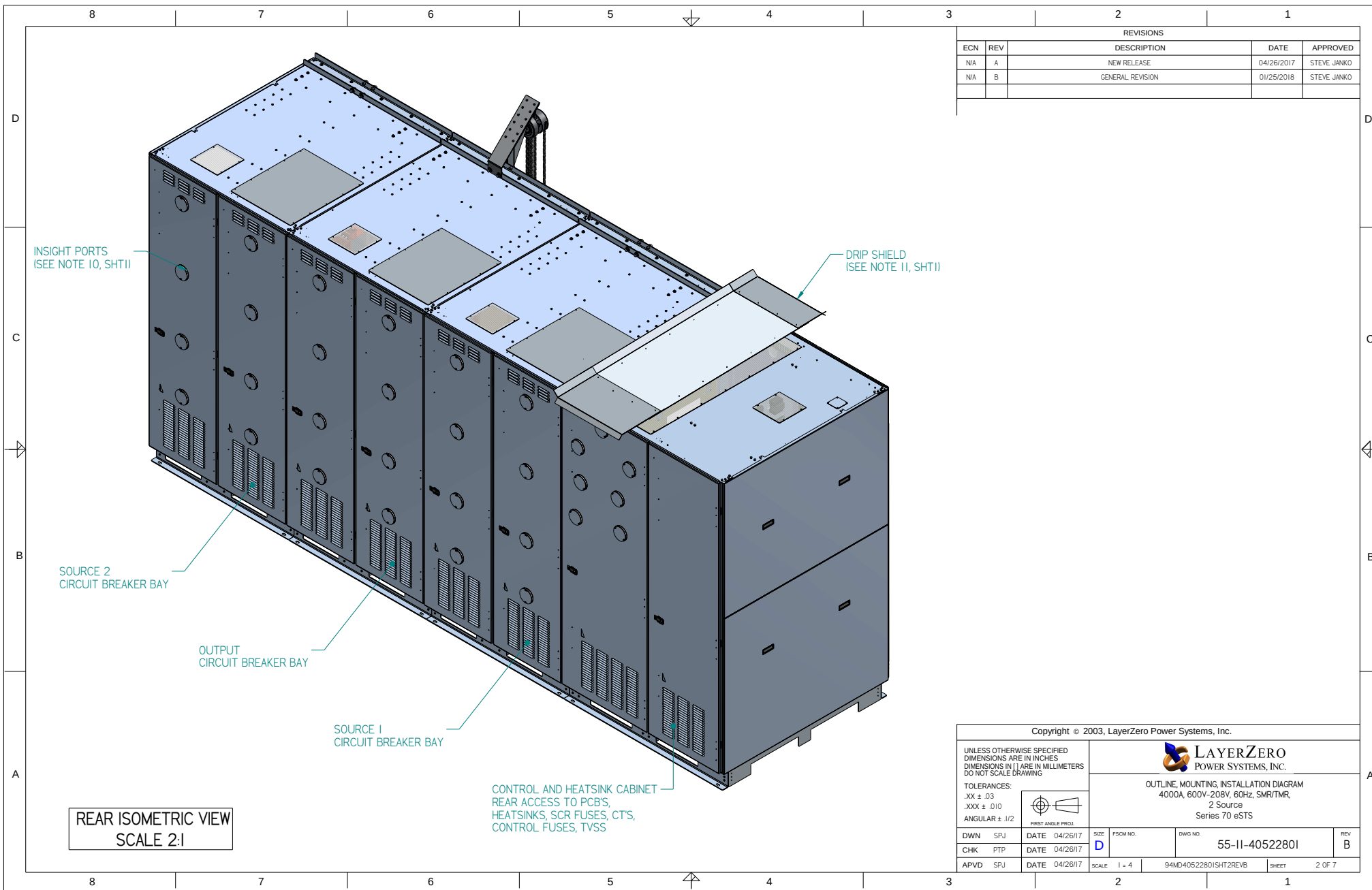
FRONT ISOMETRIC VIEW
SCALE 2:1

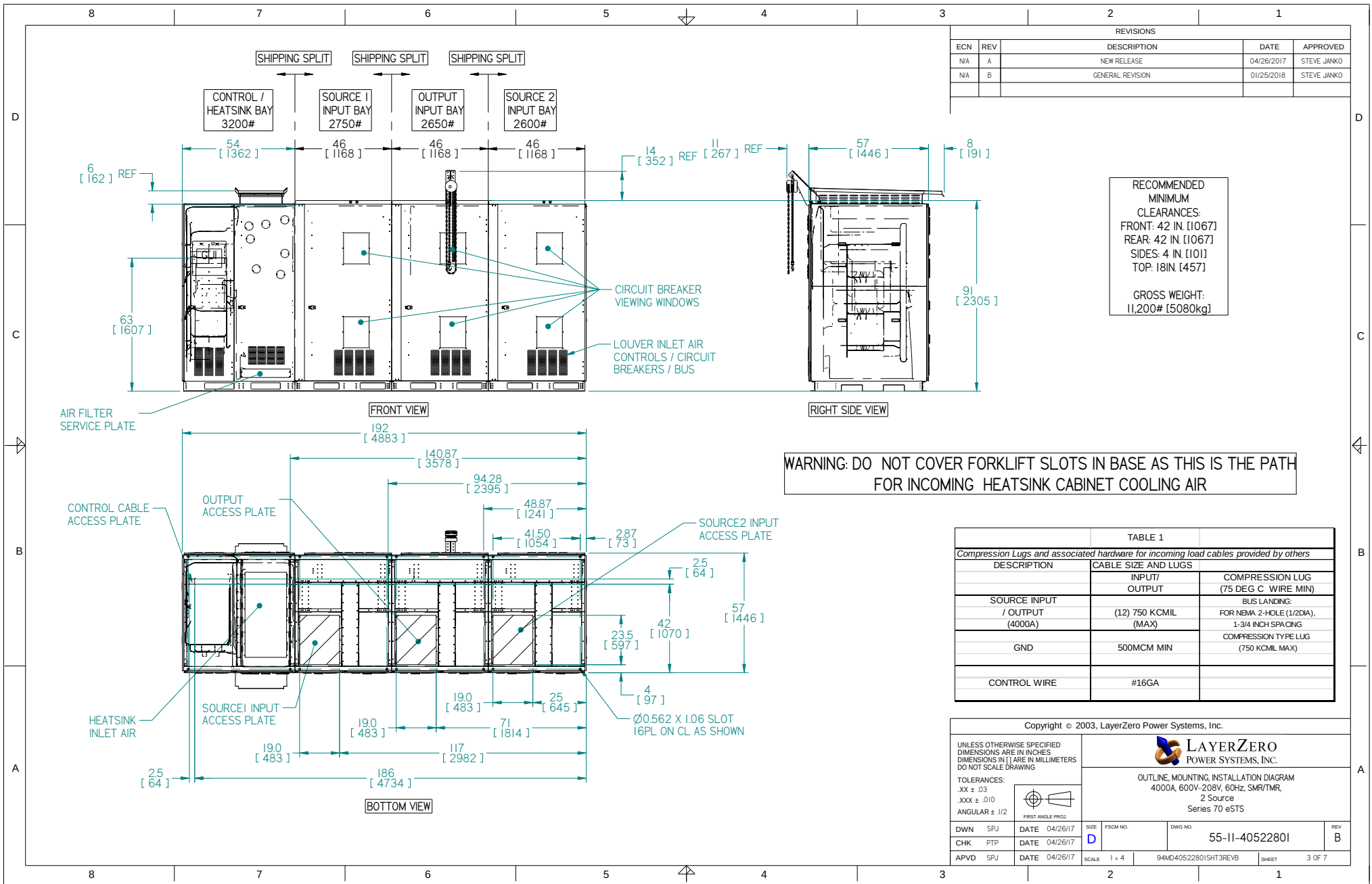
REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
N/A	A	NEW RELEASE	04/26/2017	STEVE JANKO
N/A	B	GENERAL REVISION ALL SHEETS TO AS BUILT CONDITION	01/25/2018	STEVE JANKO

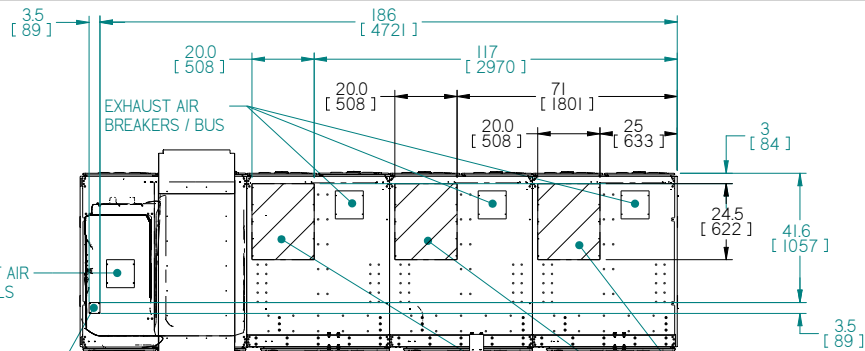
Notes:

1. Front / Rear access only required for operation and servicing of Series 70 eSTS. Top or Bottom Access is available.
2. The Series 70 eSTS is mounted on split common frame with all internal connections factory provided. There are (3) shipping splits. Floor is to be level to 0.125 48 in all directions.
3. The interconnection between the cabinets will be field installed with all hardware pre-tested and supplied.
4. The Circuit Breakers will be tested and shipped separate for field installation for added security.
5. An optional boom, chain hoist and slings are provided and shipped separately to allow for installation of the Circuit Breakers. The boom mounts to channel above each of the circuit breaker bays.
6. The unit is provided with both frontal and side forklift provision as shown for maneuvering.
7. For the 2 Source Series 70 eSTS, with a 480V / 4000A / 60Hz / TMR / 3-wire configuration:
see Sht 3 for Bottom Cable Access Areas / Sht 4 for Top Cable Access Areas and recommended wire size (Table II)
see Sht 7 for Cable Landing locations
8. Optional 480V/4000A Semi-Conductor fuses are provided for SCR protection.
9. Optional 40kA/Phase Surge Protective Devices with monitoring and internal alarms are supplied per source.
10. Optional External LayerZero InSight Ports are provided to allow for thermal scanning of internal connections.
11. Optional Drip Shield covering heatsink provided shipping separately for filed installation.
12. See One-Line electrical diagram for further detail.
14. Option: Custom bus adaptation from the Input and Output bus to bus ducting is available on demand if cable connection is not used. Please specify bus duct in use at the time of order.

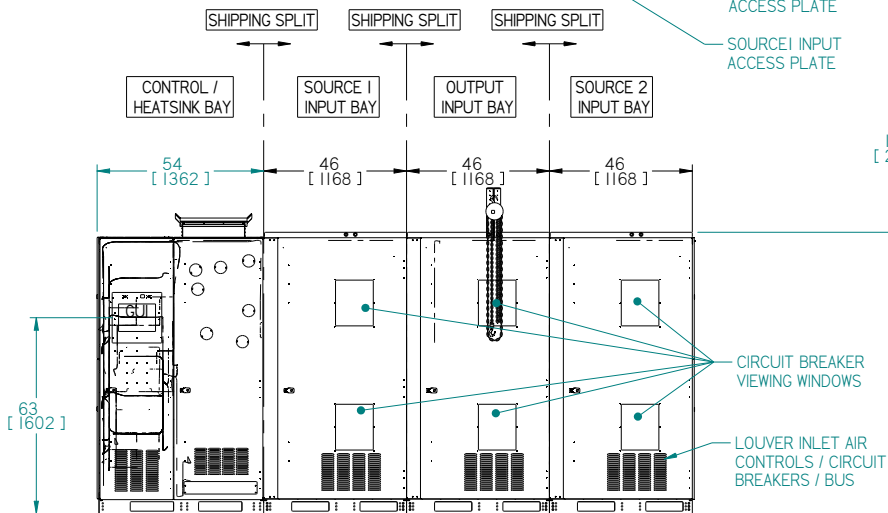
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS DO NOT SCALE DRAWING TOLERANCES: .XX ± .03 .XXX ± .010 ANGULAR ± 1/2° FIRST ANGLE PROJ.		 OUTLINE, MOUNTING, INSTALLATION DIAGRAM 4000A, 600V-208V, 60Hz, SMR/TMR, 2 Source Series 70 eSTS		
		SIZE	FROM NO.	DWG NO.
DWN	SPJ	DATE	04/26/17	55-II-4052280I
CHK	PTP	DATE	04/26/17	
APVD	SPJ	DATE	04/26/17	
SCALE		1 = 4	94MD4052280I SHT1 REV B	SHEET 1 OF 7



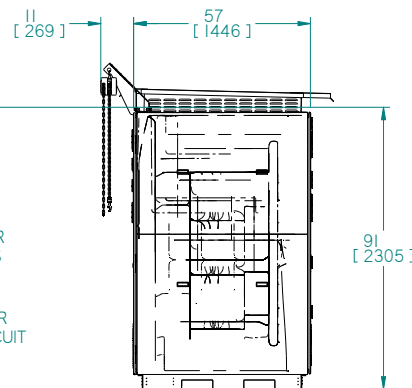




TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

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N/A	A	NEW RELEASE	04/26/2017	STEVE JANKO
N/A	B	GENERAL REVISION	01/25/2018	STEVE JANKO

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

GROSS WEIGHT:
11,200# [5080kg]

WARNING: DO NOT COVER FORKLIFT SLOTS IN BASE AS THIS IS THE PATH FOR INCOMING HEATSINK CABINET COOLING AIR

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		FIRST ANGLE PROJ.	SIZE: D FROM NO.: DWG NO.: 55-11-40522801 SCALE: 1 = 4 SHEET: 4 OF 7	REV: B
DWN: SPJ	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17
CHK: PTP	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17
APVD: SPJ	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17	DATE: 04/26/17

8 7 6 5 4 3 2 1

FRONT VIEW OF eSTS

REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
N/A	A	NEW RELEASE	04/26/2017	STEVE JANKO
N/A	B	GENERAL REVISION	01/25/2018	STEVE JANKO

D

D

C

C

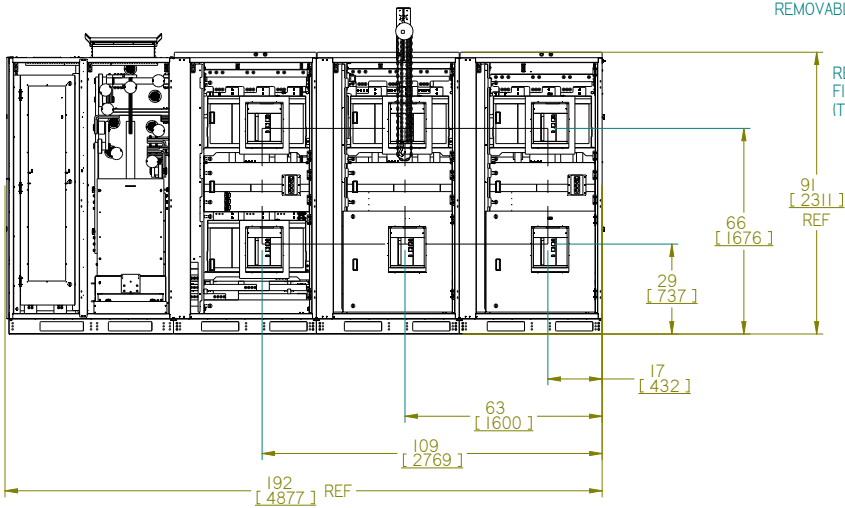
B

B

A

A

8 7 6 5 4 3 2 1



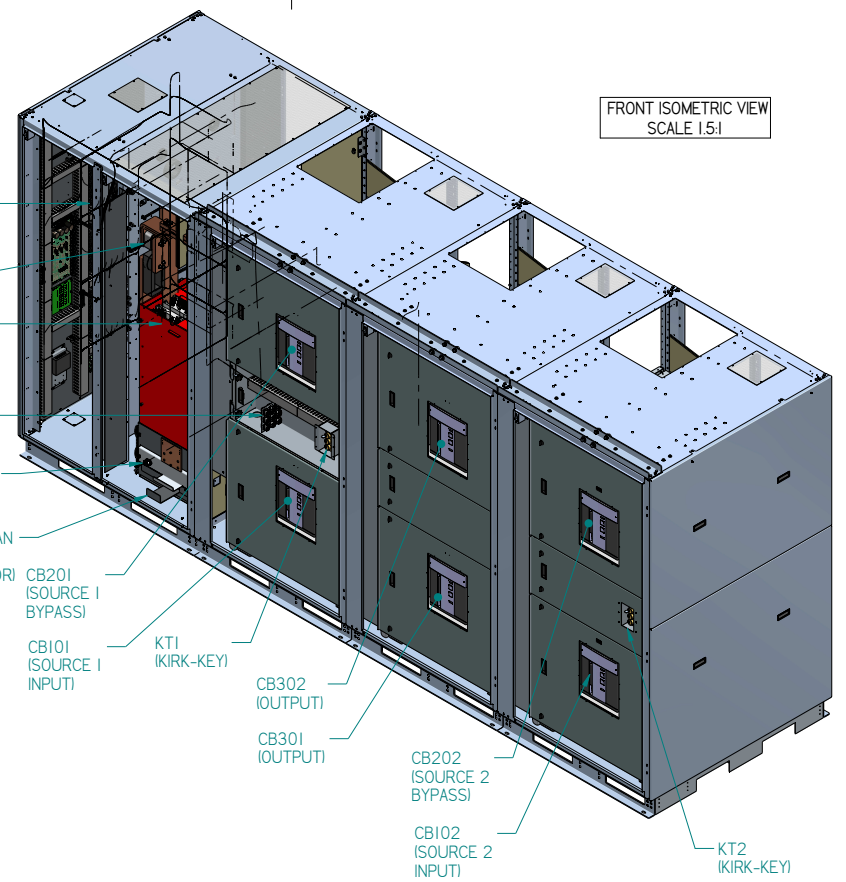
CONTROL AREA

INPUT FUSES

HEATSINK AREA

CONTROL CABLE CABINET INTERCONNECT

REMOVABLE FAN TRAY



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

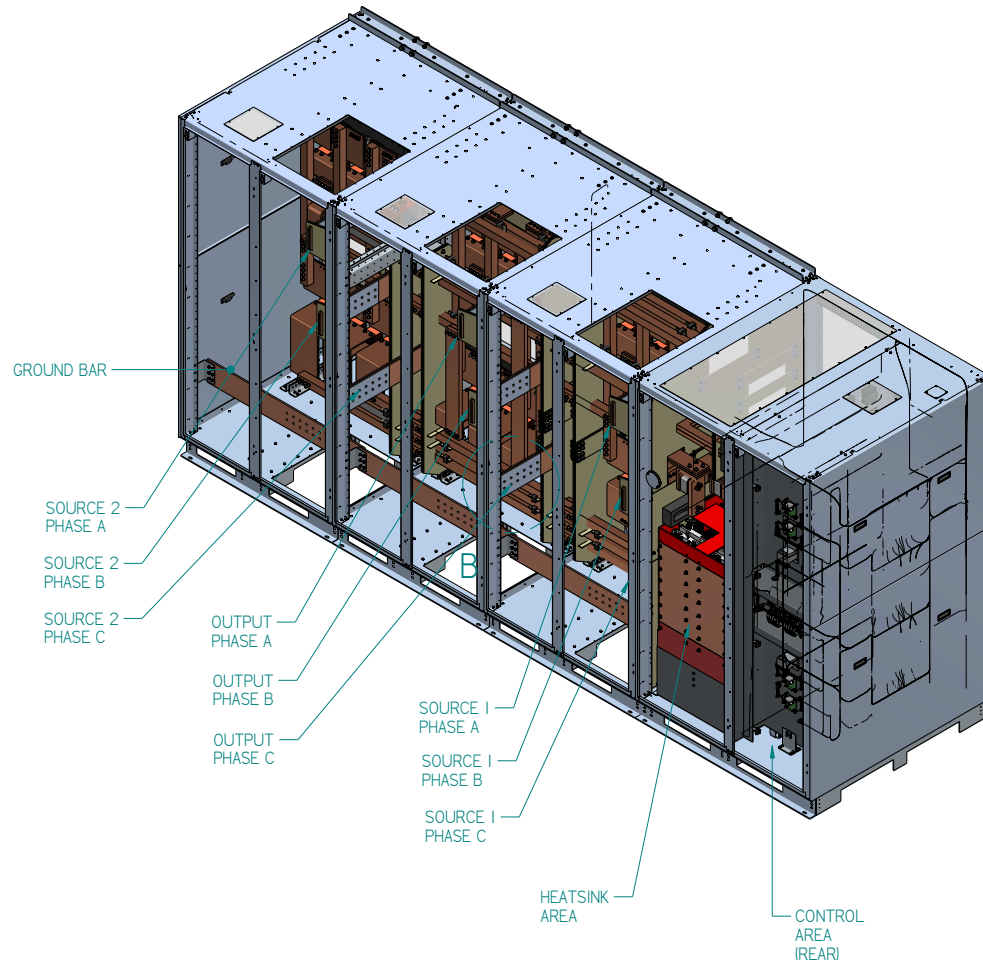
TOLERANCES:
.XX ± .03
.XXX ± .010
ANGULAR ± 1/2

FIRST ANGLE PROJ.

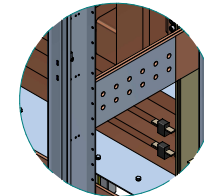
LAYERZERO
POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
4000A, 600V-208V, 60Hz, SMR/TMR,
2 Source
Series 70 eSTS

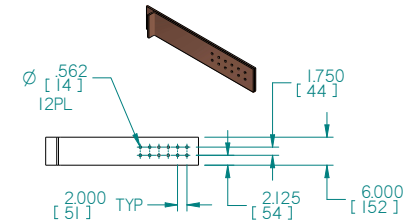
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CHK	PTP	DATE	04/26/17	D		55-II-40522801	B
APVD	SPJ	DATE	04/26/17	SCALE	1 = 4	94MD40522801SHT5REV B	SHEET 5 OF 7



REVISIONS				
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N/A	A	NEW RELEASE	04/26/2017	STEVE JANKO
N/A	B	GENERAL REVISION	01/25/2018	STEVE JANKO



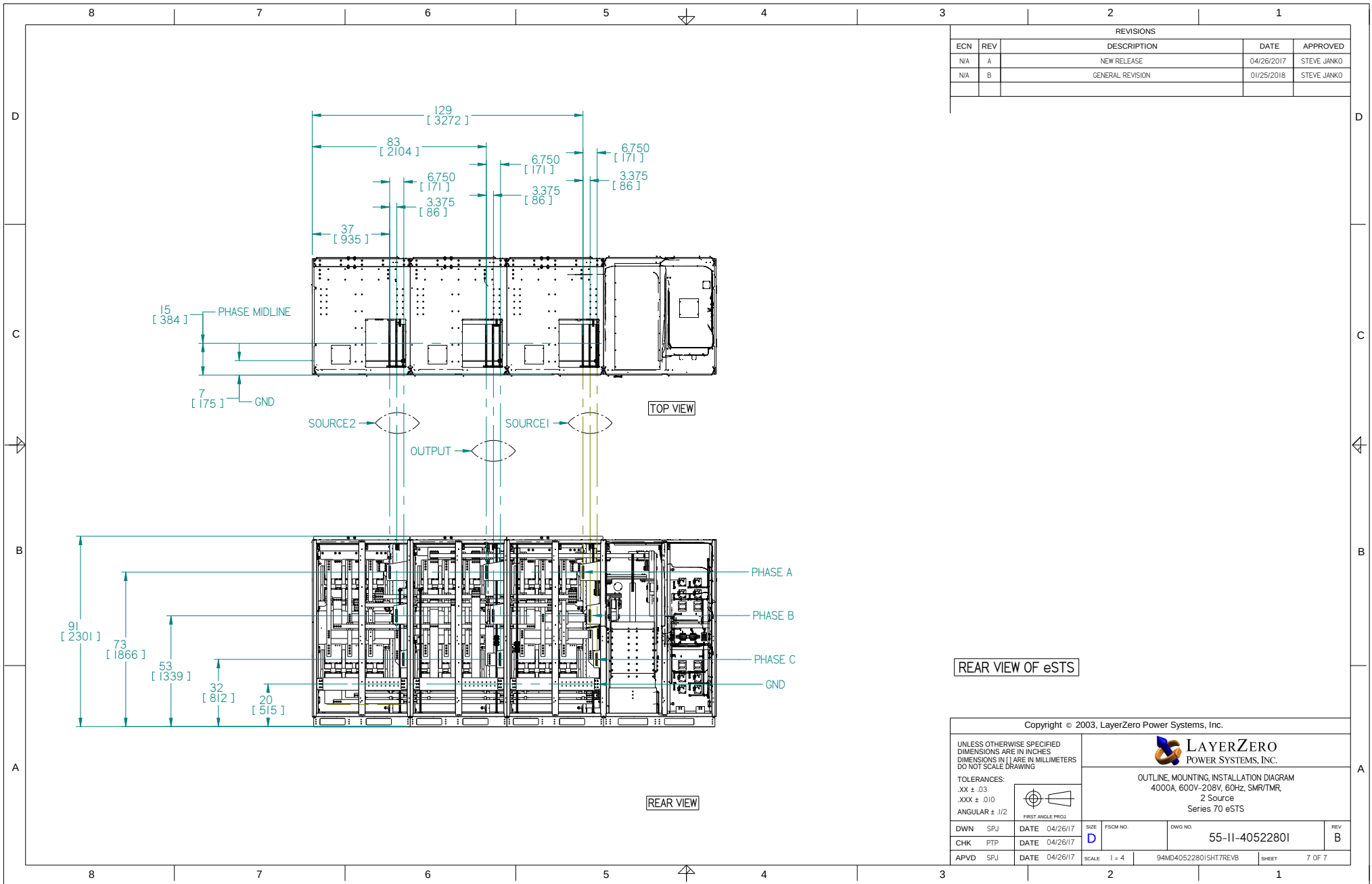
DETAIL B



BUS CONNECTION ON SOURCE
INPUTS AND OUTPUT
/ FOR QTY 12 750MCM CABLE
(TYP PER PHASE)

REAR VIEW OF eSTS
SCALE 1.5:1

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TOLERANCES: .XX ± .03 .XXX ± .010 ANGULAR ± 1/2		OUTLINE, MOUNTING, INSTALLATION DIAGRAM 4000A, 600V-208V, 60Hz, SMR/TMR, 2 Source Series 70 eSTS		
DWN SPJ	DATE 04/26/17	SIZE D	FROM NO.	DWG NO. 55-II-4052280I
CHK PTP	DATE 04/26/17	SCALE 1 = 4	94MD40522801SHT6REV B	REV B
APVD SPJ	DATE 04/26/17	SHEET 6 OF 7		



REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
N/A	A	NEW RELEASE	04/26/2017	STEVE JANKO
N/A	B	GENERAL REVISION	01/25/2018	STEVE JANKO

REAR VIEW OF eSTS

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

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

FIRST ANGLE PROJ.

DWN SPJ DATE 04/26/17
CHK PTP DATE 04/26/17
APVD SPJ DATE 04/26/17

LAYERZERO
POWER SYSTEMS, INC.

OUTLINE, MOUNTING, INSTALLATION DIAGRAM
4000A, 600V-208V, 60Hz, SMR/TMR,
2 Source
Series 70 eSTS

SIZE	FROM NO.	DWG NO.	REV
D		55-II-4052280I	B

SCALE 1 = 4 94MD4052280I SH77REV B SHEET 7 OF 7