

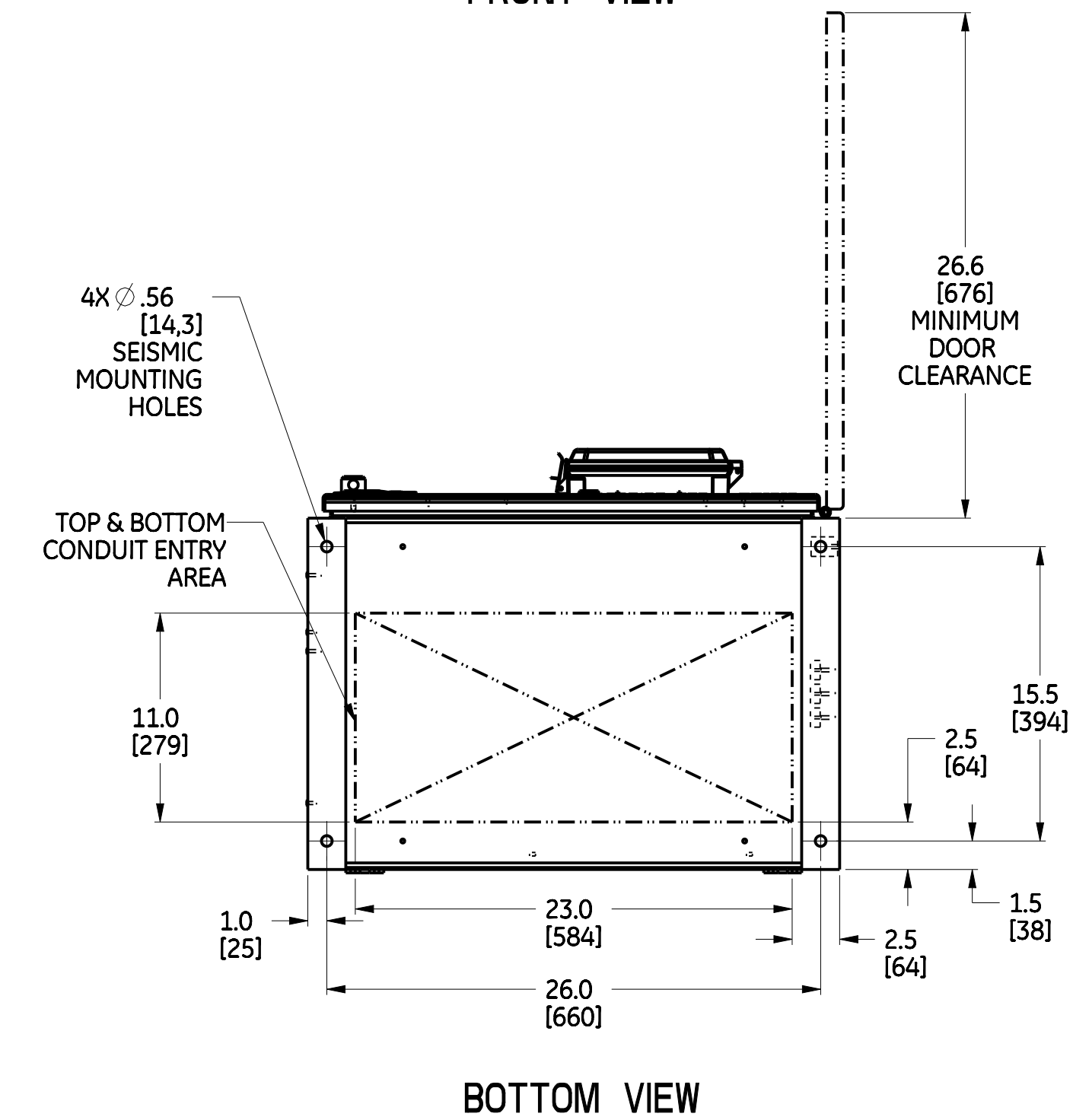
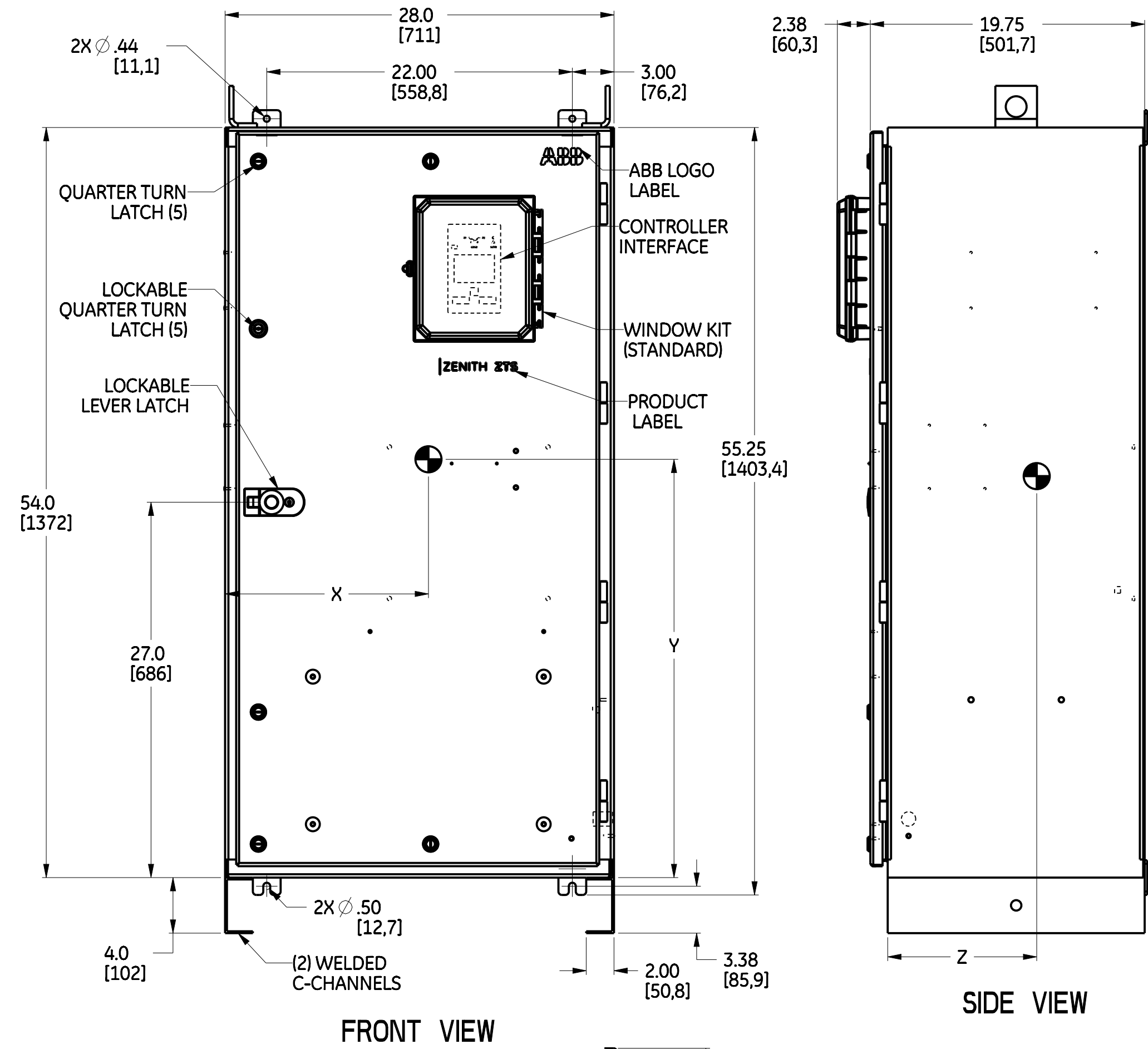
3D Model is the Master Document of Record
Addis or Material Must Conform to REACT Procedure 5900000 Sec.14
Part Must Conform to 5900000 Sec.4 Torque Procedure
Geometric Dimensioning & Tolerancing as per ASME Y14.5-2009

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in this document has to be kept strictly confidential.
Any unauthorized disclosure of this information is strictly forbidden.
ABB reserves all rights regarding intellectual property rights.
Copyright 2021 ABB. All rights reserved.



us_3rd.dfm

4 POLE - 400A
NEMA 4 / 12 SHOWN (FOR REFERENCE)
FLOOR MOUNT UNIT
SEE SHEET 3 & 5 FOR INSIDE DETAILS



- NOTES
1. ENCLOSURE : NEMA 4/12 TYPE, FREE STANDING, FLOOR MOUNT.(SHOWN FOR REFERENCE)
 2. MATERIAL:12 GA (.105) 1018 HRS REF.
 3. FINISH : ANSI 61 GREY
 4. 400A (4 POLE) UNIT HAS SAME SIZE CABINET FOR NEMA 3R, NEMA 4 AND NEMA 12 TYPE.
 5. ATS UNIT WITH NEMA 3R, 4 & 12 TYPE CABINET HAS WINDOW KIT RATED FOR THESE NEMA TYPE.

15

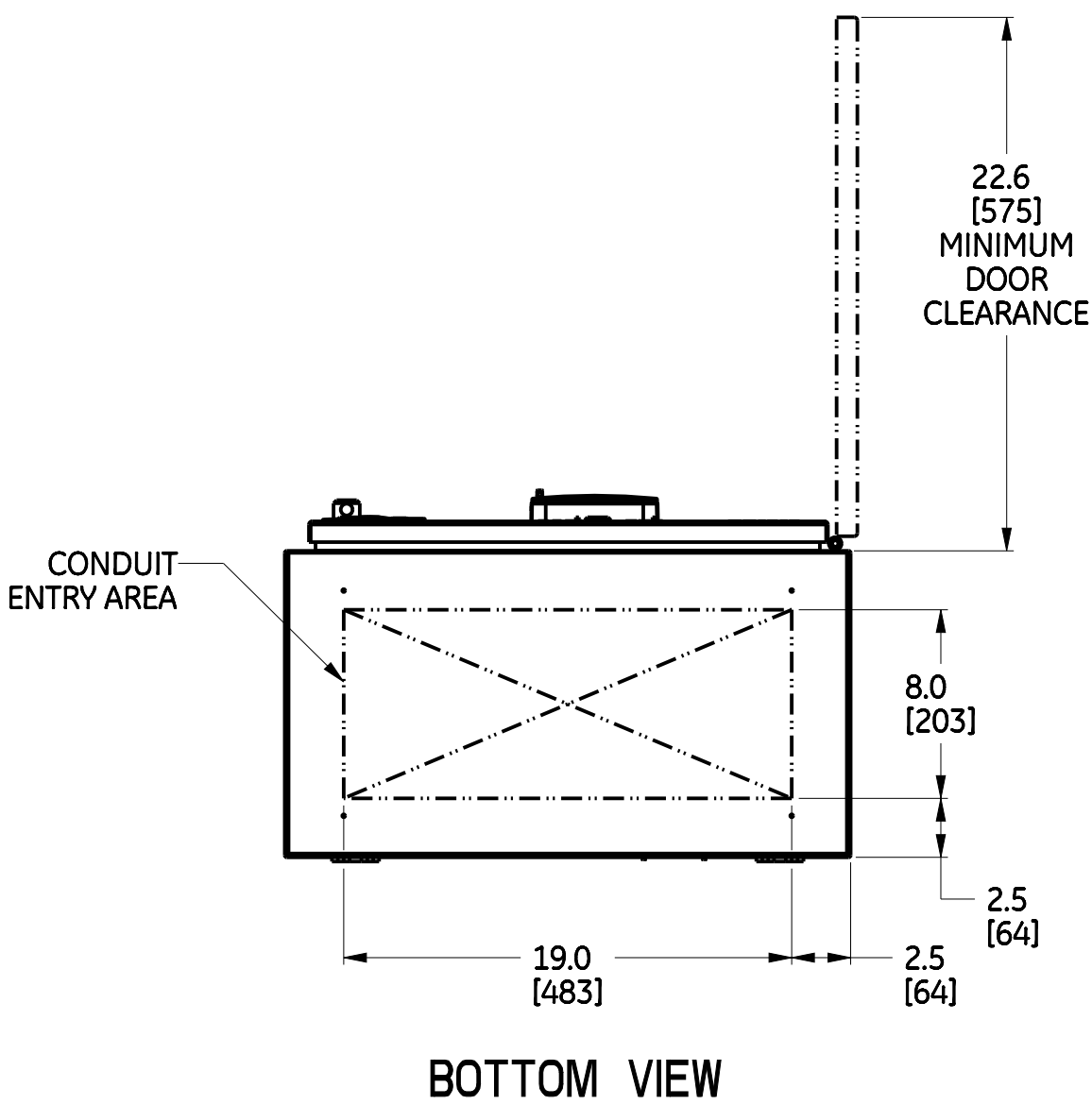
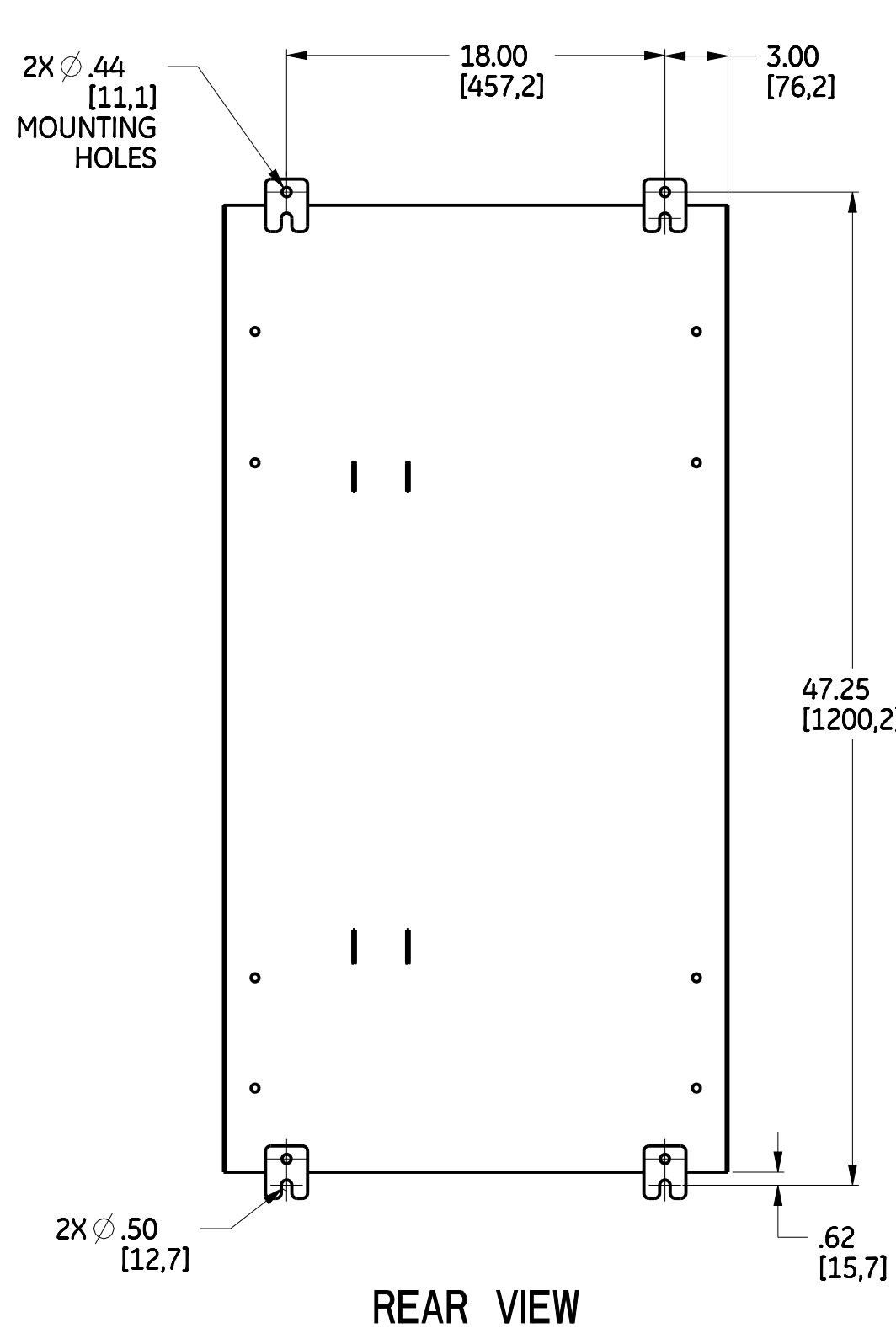
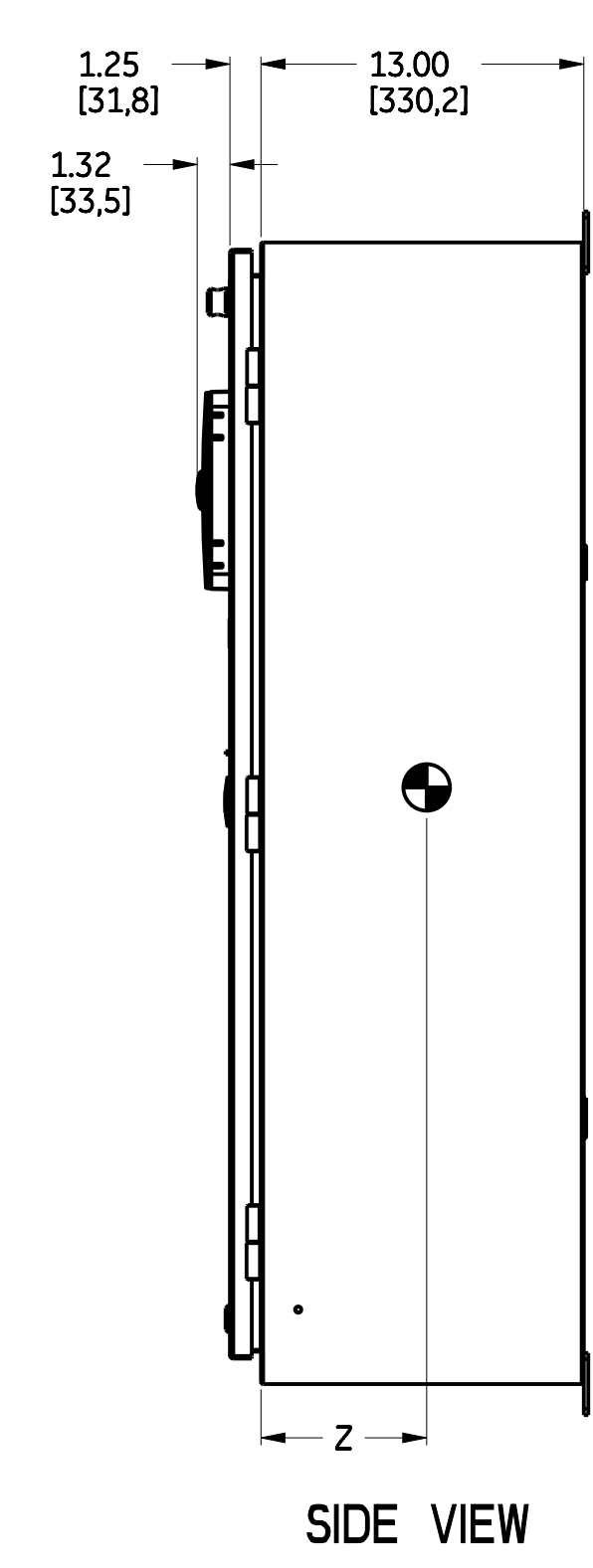
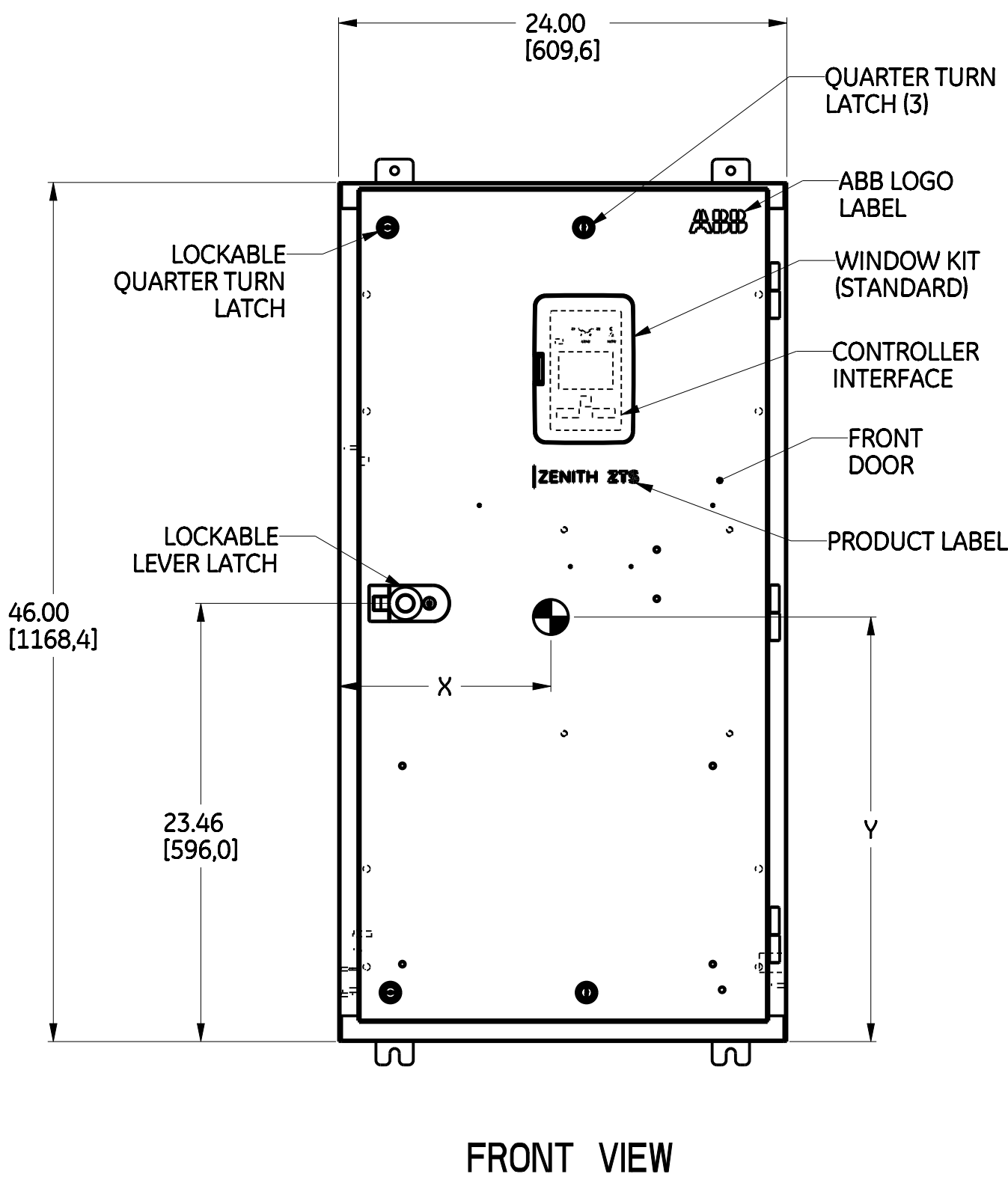
14

13

12

11

3 & 4 POLE - 260A
3 POLE - 400A
NEMA 3R SHOWN (FOR REFERENCE)
WALL MOUNT UNIT
SEE SHEET 2 & 4 FOR INSIDE DETAILS



- NOTES
1. ENCLOSURE : NEMA 3R TYPE, WALL MOUNT.(SHOWN FOR REFERENCE)
 2. MATERIAL:14 GA (.075) 1018 HRS REF.
 3. FINISH : ANSI 61 GREY
 4. 260A (3 & 4 POLE) UNIT AND 400A (3 POLE) UNIT HAS SAME SIZE CABINET FOR NEMA 3R, 4 & 12 TYPE.
 5. ATS UNIT WITH NEMA 3R, 4 & 12 TYPE CABINET HAS WINDOW KIT RATED FOR THESE NEMA TYPE.

GENERAL NOTES:

1. CONSTRUCTION PER UL 1008 STANDARD.
2. FRONT ACCESSIBLE UNIT. NO SIDE OR REAR ACCESS REQUIRED.
3. SUITABLE WIRE BENDING SPACE PROVIDED PER THE SAFETY AGENCY STANDARDS.
4. UL AND CSA RECOGNIZED/CERTIFIED MECHANICAL LUGS ARE STANDARD.
5. UL AND CSA RECOGNIZED/CERTIFIED COMPRESSION LUGS ARE AVAILABLE AS OPTION.
6. EQUIPMENT GROUND LUG IS PROVIDED IN ALL UNITS. SEE SHEETS 2-5 FOR DETAILS.
7. ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES(MILLIMETERS).
8. 100% RATED SOLID/SWITCHED NEUTRAL PROVIDED PER THE SWITCH CONFIGURATION.
9. SUITABLE FOR TOP AND/OR BOTTOM CABLE ENTRY.
- 10.FOR CABLE CONNECTIONS TO MECHANICAL LUG, REFER O&M MANUAL FOR TORQUE DETAILS
- 11.FOR WORKING CLEARANCE REFER TO NATIONAL AND LOCAL CODES AND STANDARDS.

LUG ASSEMBLY	AMP	POLE	CONTROLLER TYPE	CABINET #	LUG RANGE	WEIGHT LB(KG)	CENTER OF GRAVITY IN(MM)		
							X	Y	Z
MECHANICAL LUGS	260A	3	SEE TABLE A	F-2013MP	QTY. 2 250 KCMIL-1/0 (OR)	154(70)	11.5 (292)	23.0 (584)	7.5 (190)
		4			QTY. 1 600 KCMIL-#4	161(73)			
	400A	3		F-2051MP	QTY. 1 350 KCMIL	163(74)			
		4			QTY. 1 500 KCMIL	296(134)			
COMPRESSION LUGS	260A	3	SEE TABLE A	F-2013MP	QTY. 1 350 KCMIL	154(70)	11.5 (292)	23.0 (584)	7.5 (190)
		4			QTY. 1 500 KCMIL	161(73)			
	400A	3		F-2051MP	QTY. 1 350 KCMIL	163(74)			
		4			QTY. 1 500 KCMIL	296(134)			

TABLE A - HMI			
TYPE	TRANSITION	LEVEL	PART NO.
ZTS	OPEN	4	OXAM11-L4
ZTSD	DELAYED	4	OXBM11-L4

SEISMIC NOTES:

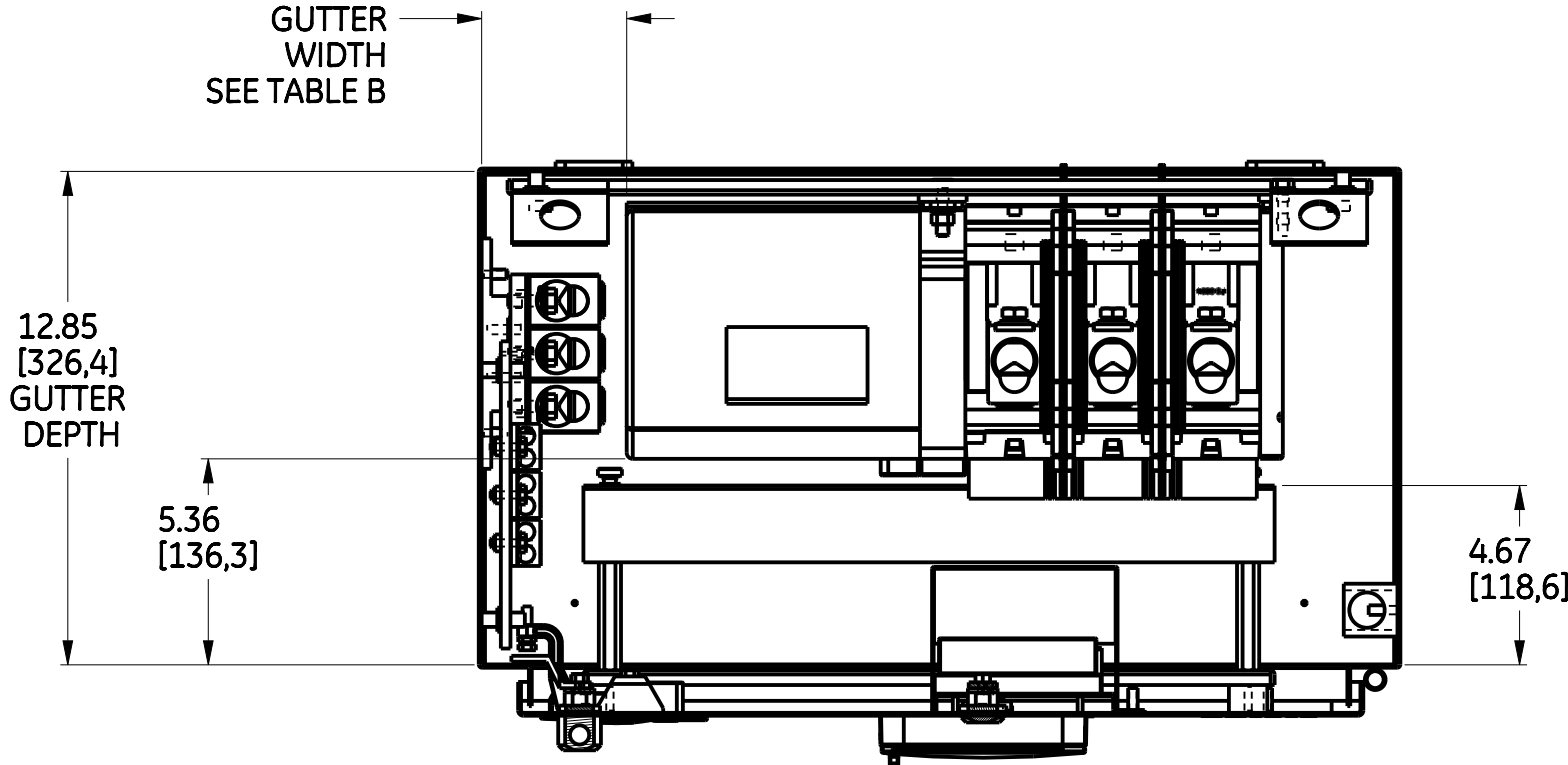
- 1.BOLT ENCLOSURES USING THE FOLLOWING SEISMIC CERTIFIED MOUNTING HARDWARE PER MOUNTING HOLE: (HARDWARE PROVIDED BY INSTALLER).
*1/2-13 GRADE 5 BOLT TORQUE TO 75 FT-LBS. (102 NEWTON METERS).
*1/2-13 STANDARD FLAT WASHER.
*1/2 (13) HELICAL SPRING LOCK WASHER.
2. CENTER OF GRAVITY DIMENSIONS ARE FOR REFERENCE ONLY.

		DRAWING FILE 50C-1080	MODEL FILE 50C-1080		ABB			
		DATE MODIFIED 05-Jan-22 06:11:57 AM	DESIGNED BY SK					
		APPROVED BY SR						
Calculated for: VOLUME 0.000 in^3		CNP C132037 ⬡ Critical to Quality Characteristic	TITLE ZTS(D) 260A-400A, TYPE 3R,4,12					
MASS 0.000 lbm		MATERIAL SPECIFICATION ----	FINISH SPECIFICATION ----		UNITS in	LOCAL TITLE -----		
UNLESS OTHERWISE SPECIFIED		MATERIAL DESCRIPTION ---	SIZE D		ROOT NUMBER 50C-1080	REV 2	RELEASE STATE Released	
TOLERANCE ON: 1 PL DECIMALS : 0.1 2 PL DECIMALS : 0.02 3 PL DECIMALS : 0.005 ANGLES : 10		FINISH DESCRIPTION ---	SCALE 11:100		PRODUCT LINE ZENITH ZTS T-SERIES			SHEET 1 of 5

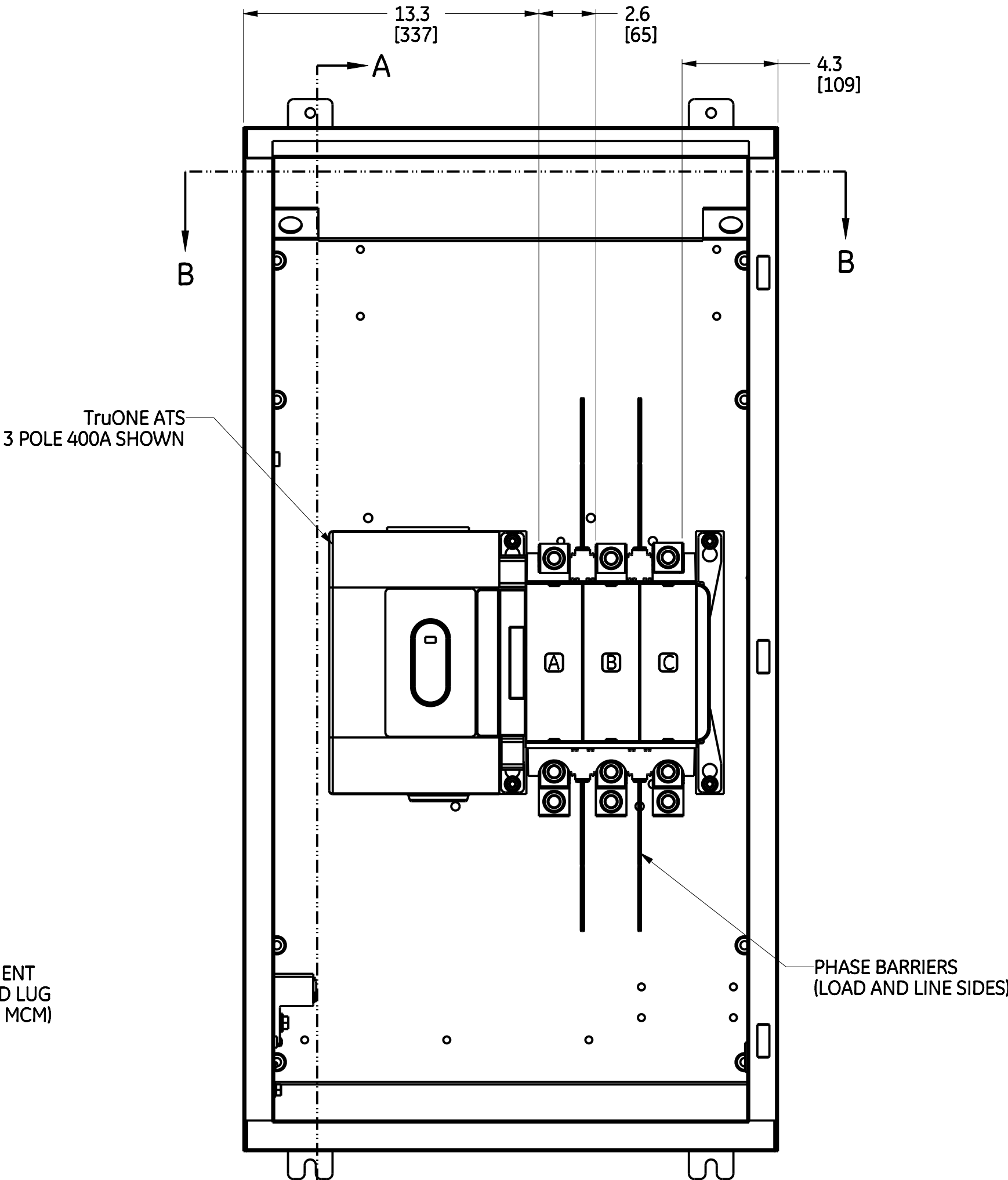
CABINET WITH MECHANICAL LUG ASSY
(AVAILABLE AS STANDARD)

3 POLE - 400A
3 & 4 POLE - 260A

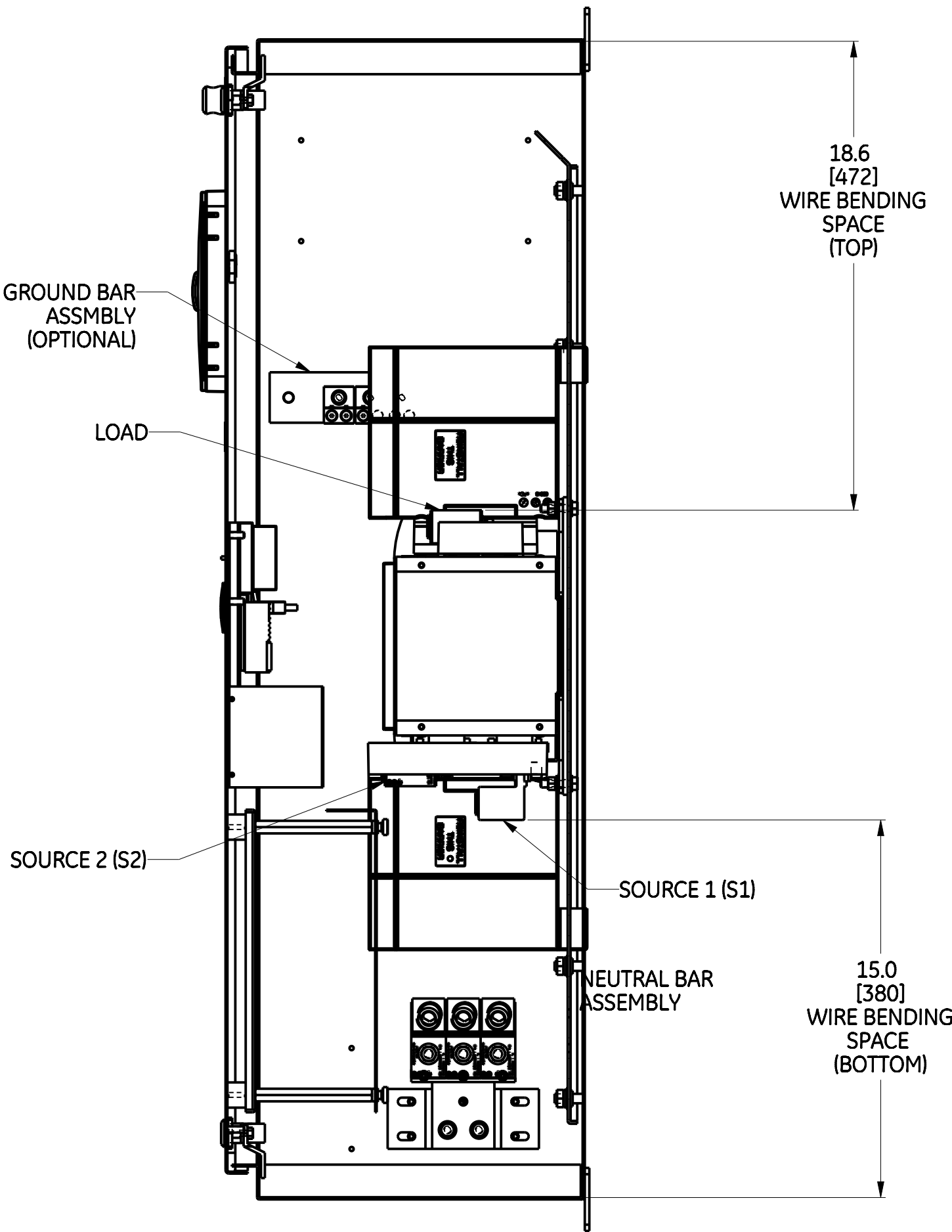
TABLE B - GUTTER WIDTH		
	POLES	
260A	3	3.7 (86)
260A	4	3.4 (94)
400A	3	3.7 (94)



SECTION B-B
TOP VIEW
WITHOUT TOP PANEL



FRONT VIEW
WITHOUT DOOR
(3 POLE SWITCH SHOWN)



SECTION C-C
RIGHT SIDE VIEW
WITHOUT SIDE PANEL

NOTE:
1. REFER TO SHEET (1) FOR COMPLETE NOTE DETAILS
2. MECHANICAL LUGS SHOWN IN ABOVE VIEWS ARE FOR REFERENCE ONLY.

NOTE:
FOR SINGLE PHASE SWITCHED NEUTRAL(3-POLE) UNIT,THE NEUTRAL POLE WILL BE NEXT TO MECHANISM
AND PHASE A AND PHASE B POLES WILL BE NEXT TO NEUTRAL POLE

HEATER
(OPTIONAL)

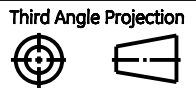
AUXILIARY
PANEL

SECTION D-D
DOOR INSIDE VIEW

SECTION A-A
LEFT VIEW
WITHOUT SIDE PANEL

EQUIPMENT
GROUND LUG
(#2-600 MCM)

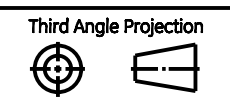
ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in this document has to be kept strictly confidential.
Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden.
ABB reserves the right to change the specifications without notice.
Copyright © 2024 ABB. All rights reserved.



ABB

SIZE	NUMBER	REV
D	50C-1080	2
SCALE	PRODUCT LINE	SHEET
11:100	ZENITH ZTS T-SERIES	2 of 5

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in this document has to be kept strictly confidential.
Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden.
ABB reserves the right to change the specifications without notice.
Copyright © 2024 ABB. All rights reserved.



AUXILIARY PANEL

SECTION D-D
DOOR INSIDE VIEW

HEATER
(OPTIONAL)

SECTION A-A
LEFT SIDE
WITHOUT SIDE PANEL

GROUND BAR
ASSEMBLY
(OPTIONAL)

EQUIPMENT
GROUND LUG
(#2-600 MCM)

CABINET WITH MECHANICAL LUG ASSY
(AVAILABLE AS STANDARD)
4 POLE - 400A

TruONE ATS
(400A 4 POLE SHOWN)

FRONT VIEW
WITHOUT DOOR
(4 POLE SWITCH SHOWN)

SECTION B-B
TOP VIEW
WITHOUT TOP PANEL

PHASE BARRIERS
(LOAD AND LINE SIDES)

SOURCE 2
(S2)

SOURCE 1
(S1)

LOAD (L)

SECTION C-C
RIGHT SIDE VIEW
WITHOUT SIDE PANEL
AND PHASE BARRIERS

23.0
[584]
WIRE BENDING
SPACE
(TOP)

18.5
[471]
WIRE BENDING
SPACE
(BOTTOM)

NOTE:
FOR SINGLE PHASE SWITCHED NEUTRAL(3-POLE) UNIT, THE NEUTRAL POLE WILL BE NEXT TO MECHANISM
AND PHASE A AND PHASE B POLES WILL BE NEXT TO NEUTRAL POLE

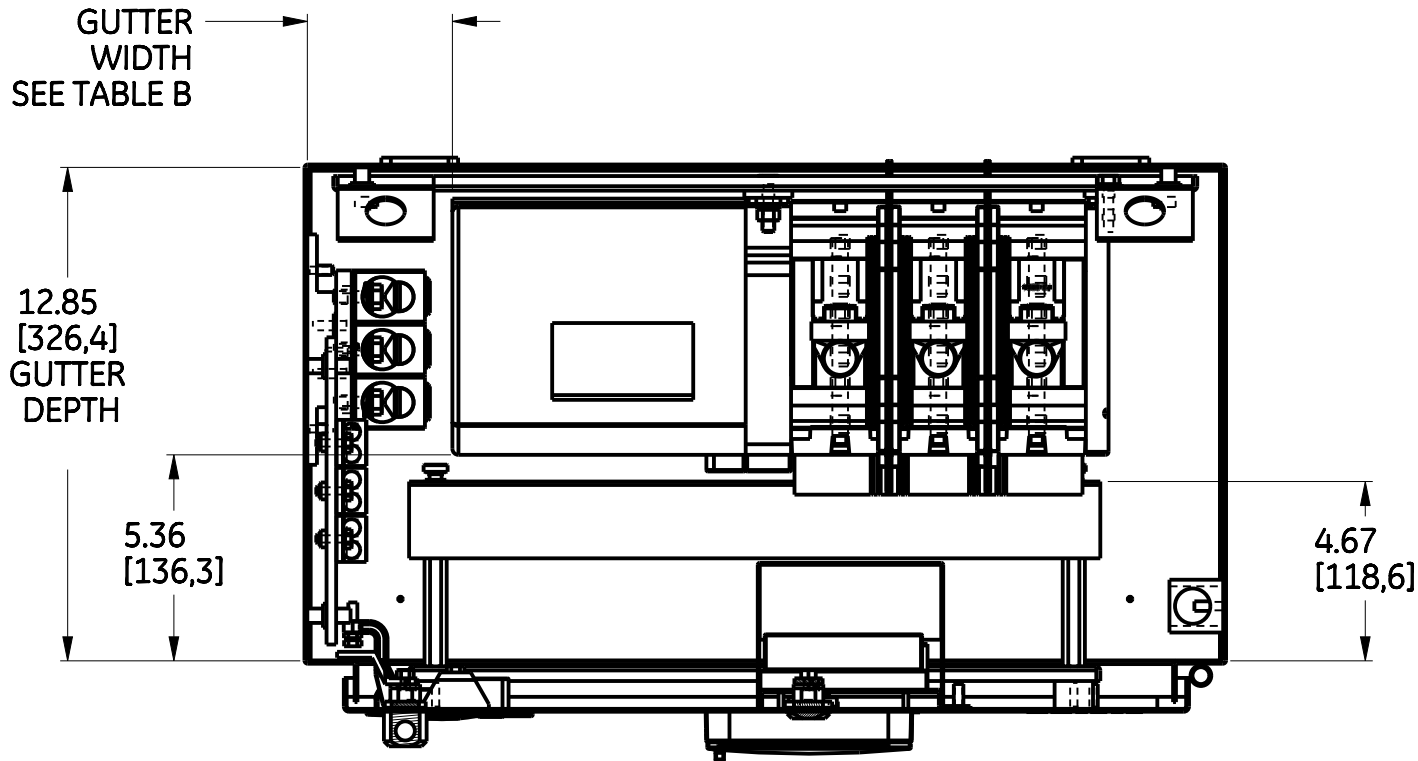
NOTE:
1. REFER TO SHEET (1) FOR COMPLETE NOTE DETAILS
2. MECHANICAL LUGS SHOWN IN ABOVE VIEWS ARE FOR REFERENCE ONLY.

ABB			
SIZE D	NUMBER 50C-1080	REV 2	
SCALE 9:100	PRODUCT LINE TruONE IN ZTS	SHEET 3 of 5	

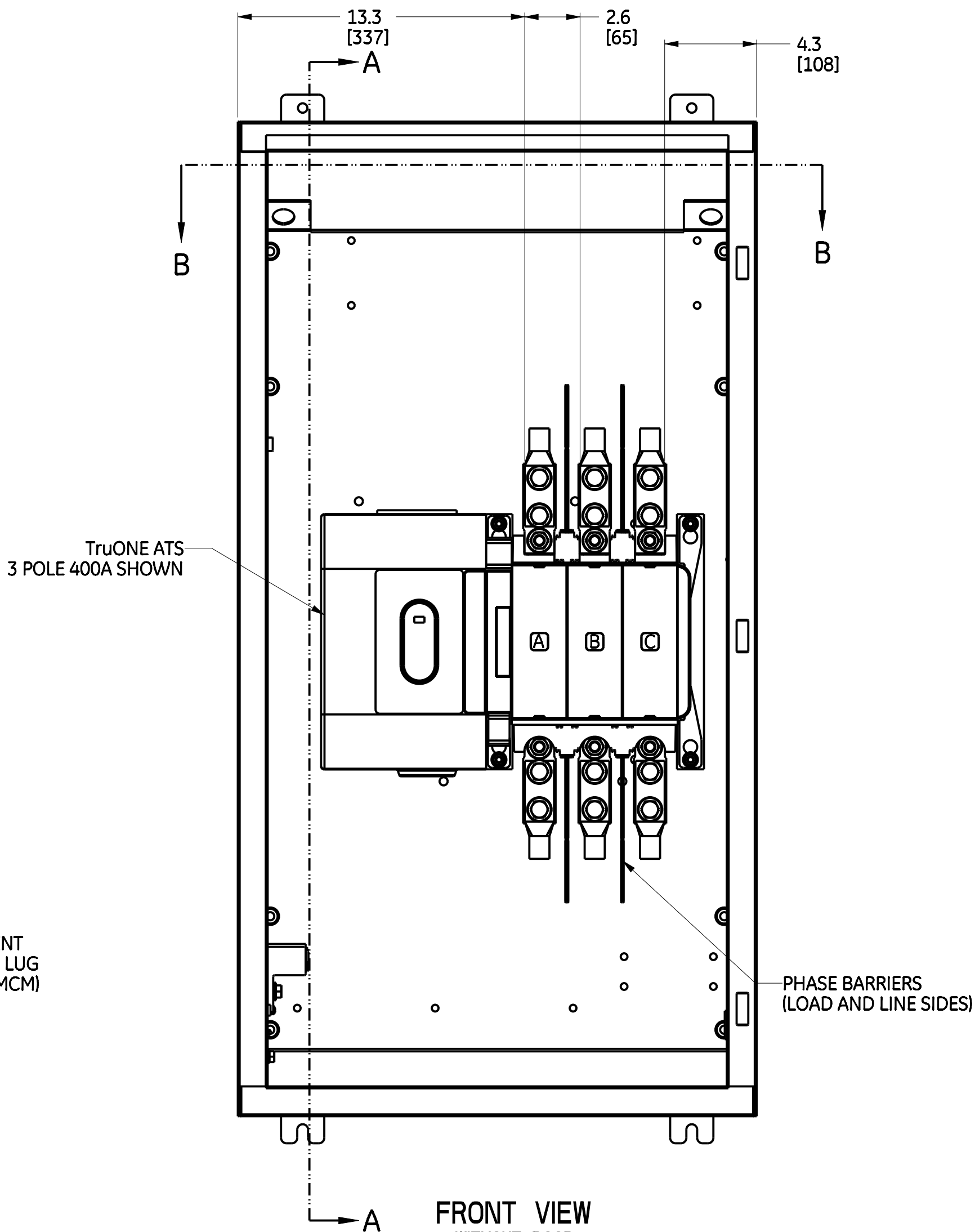
CABINET WITH COMPRESSION LUG ASSY
(AVAILABLE AS OPTION)

3 POLE - 400A
3 & 4 POLE - 260A

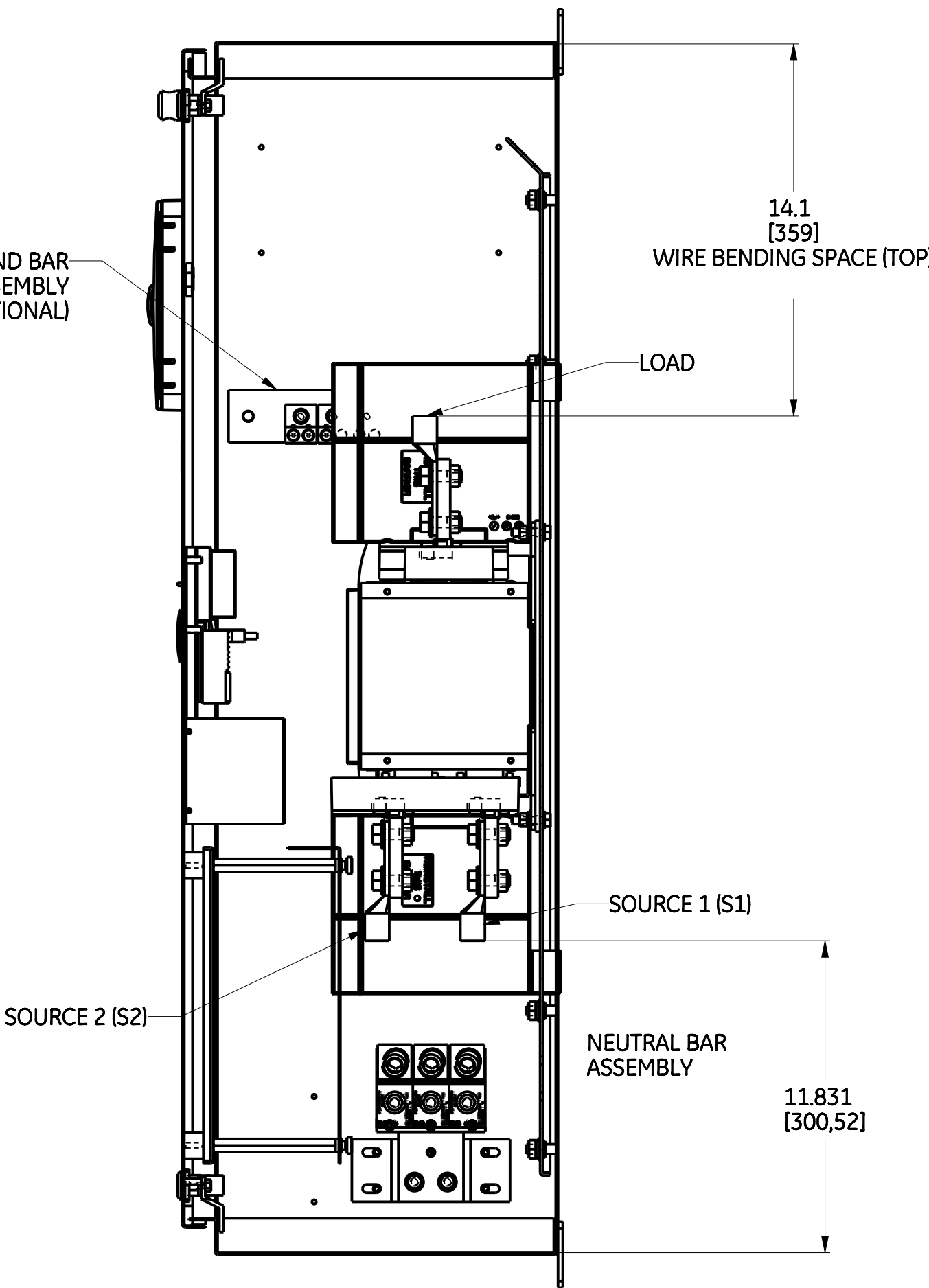
TABLE B - GUTTER WIDTH		
	POLES	
260A	3	3.7 (86)
260A	4	3.4 (94)
400A	3	3.7 (94)



SECTION B-B
TOP VIEW
WITHOUT TOP PANEL



FRONT VIEW
WITHOUT DOOR
(3 POLE SWITCH SHOWN)



SECTION C-C
RIGHT SIDE VIEW
WITHOUT SIDE PANEL

NOTE:
1. REFER TO SHEET (1) FOR COMPLETE NOTE DETAILS
2. MECHANICAL LUGS SHOWN IN ABOVE VIEWS ARE FOR REFERENCE ONLY.

NOTE:
FOR SINGLE PHASE SWITCHED NEUTRAL(3-POLE) UNIT,THE NEUTRAL POLE WILL BE NEXT TO MECHANISM
AND PHASE A AND PHASE B POLES WILL BE NEXT TO NEUTRAL POLE

HEATER
(OPTIONAL)

AUXILIARY
PANEL

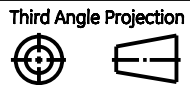
SECTION D-D
DOOR INSIDE VIEW

SECTION A-A
LEFT VIEW
WITHOUT SIDE PANEL

EQUIPMENT
GROUND LUG
(#2-600 MCM)

PHASE BARRIERS
(LOAD AND LINE SIDES)

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in this document has to be kept strictly confidential.
Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden.
ABB reserves the right to change the specifications without notice.
Copyright © 2024 ABB. All rights reserved.



ABB

SIZE	NUMBER	REV
D	50C-1080	2
SCALE	PRODUCT LINE	SHEET
11:100	ZENITH ZTS T-SERIES	4 of 5

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in this document has to be kept strictly confidential.
Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden.
ABB reserves all rights. Copyright © 2024 ABB. All rights reserved.



D

C

B

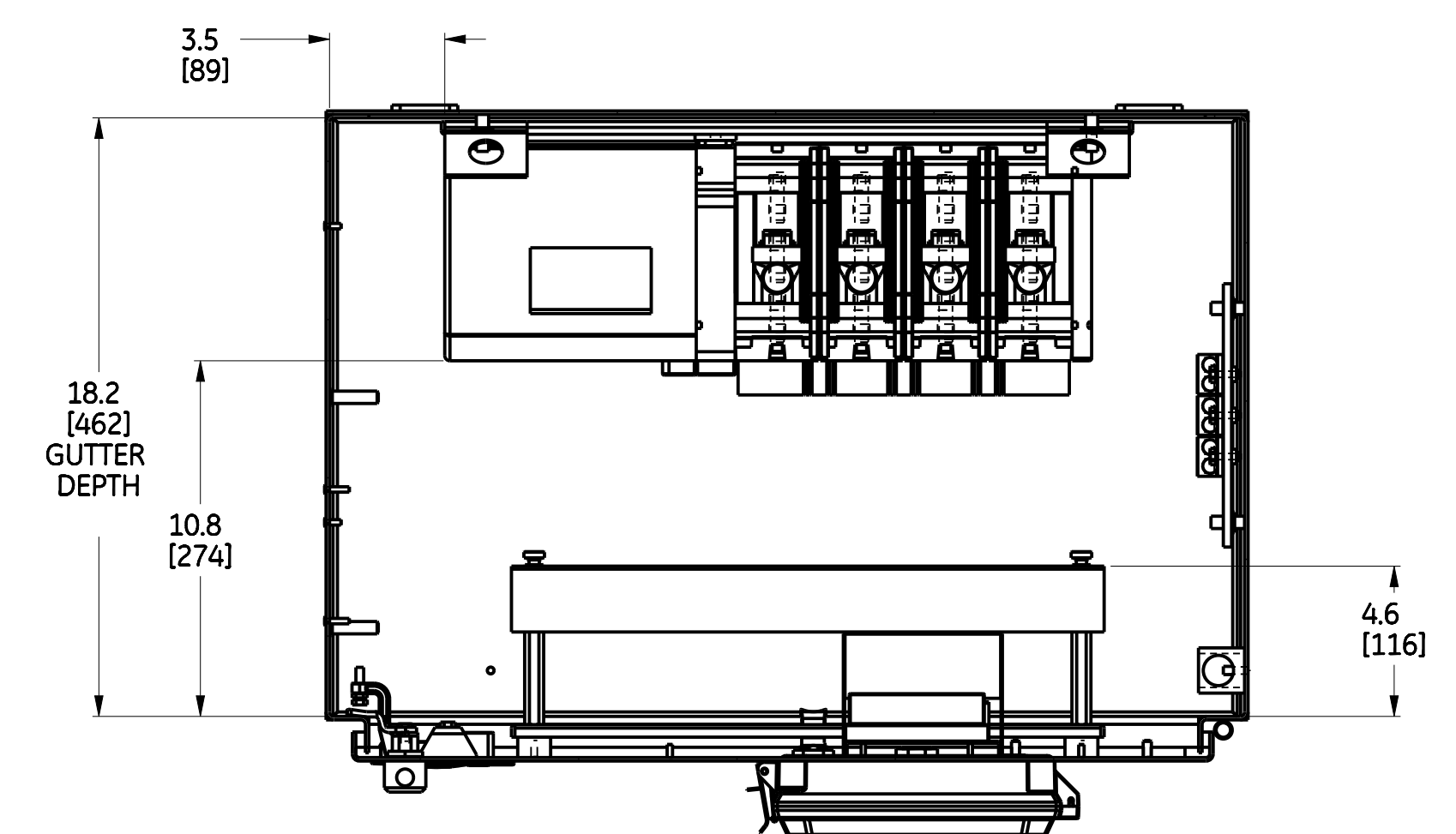
D

C

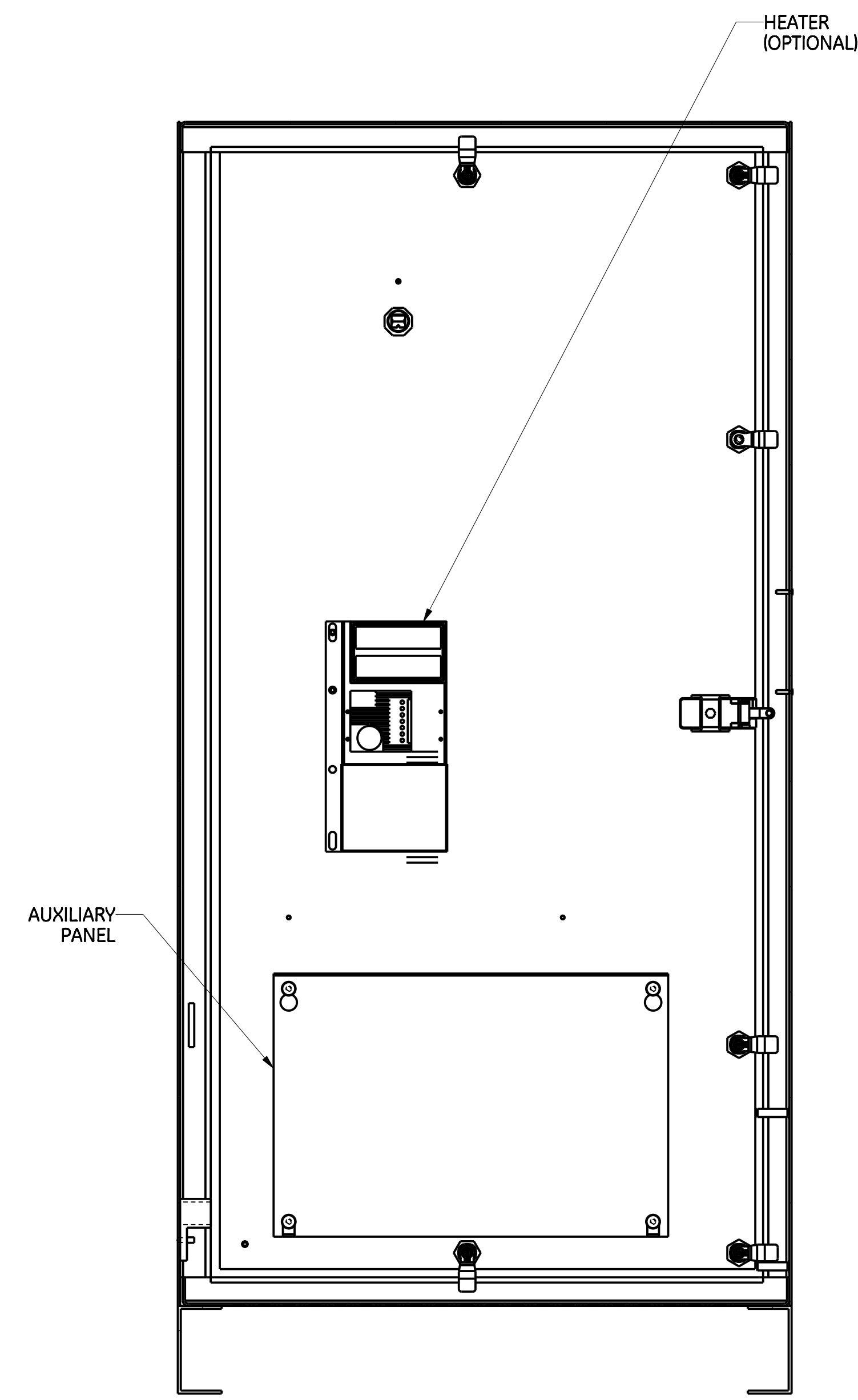
B

A

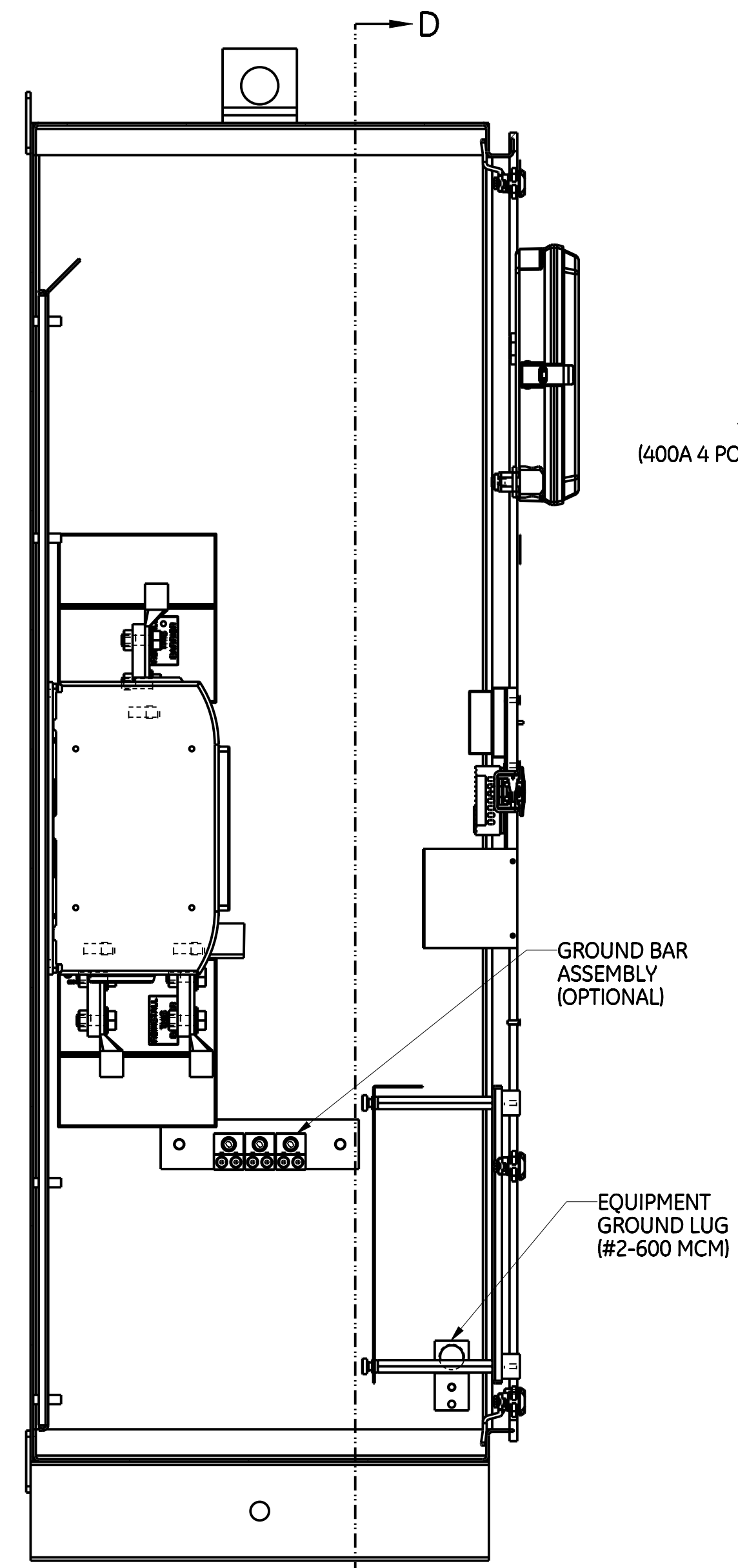
CABINET WITH COMPRESSION LUG ASSY
(AVAILABLE AS OPTION)
4 POLE - 400A



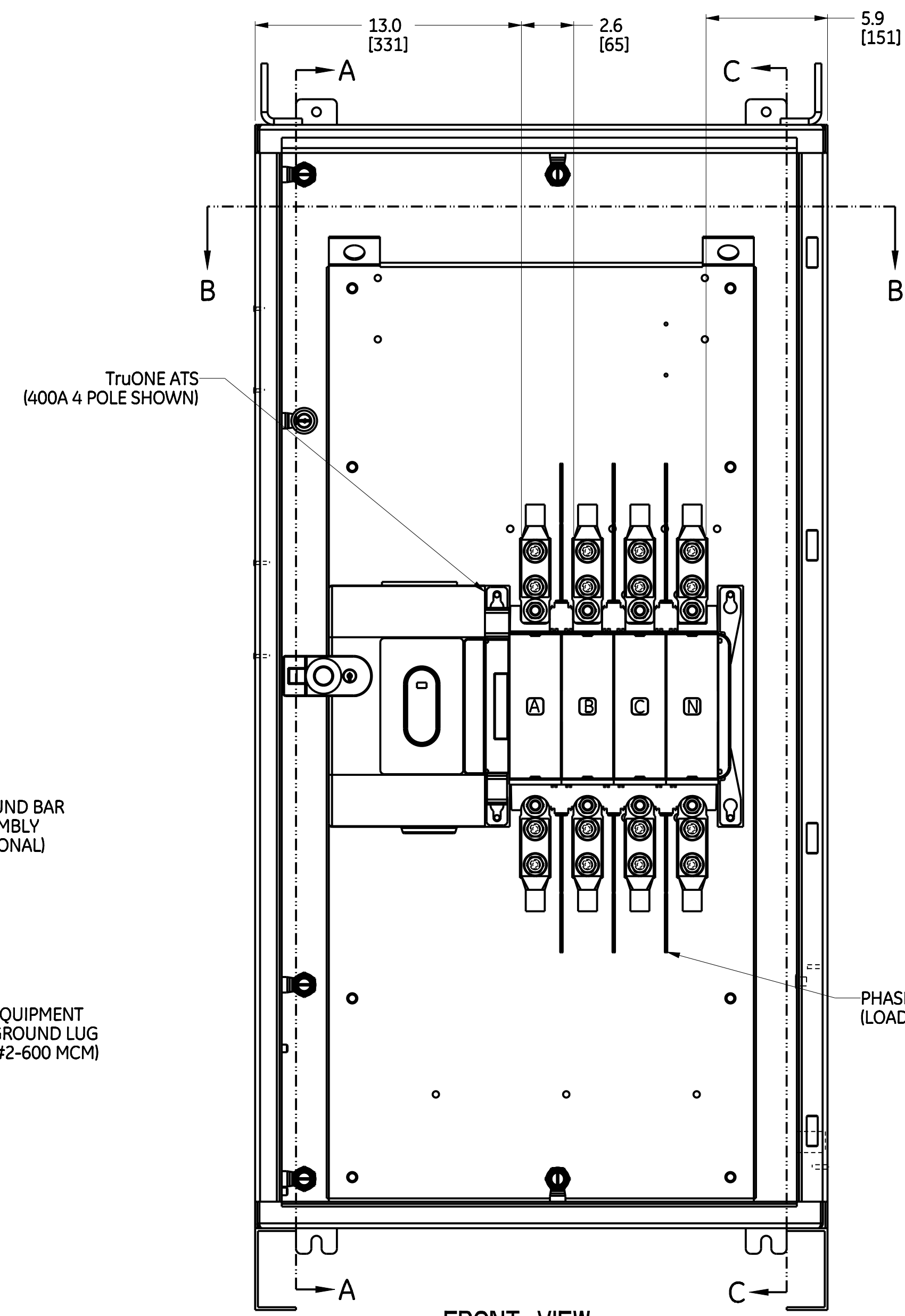
SECTION B-B
TOP VIEW
WITHOUT TOP PANEL



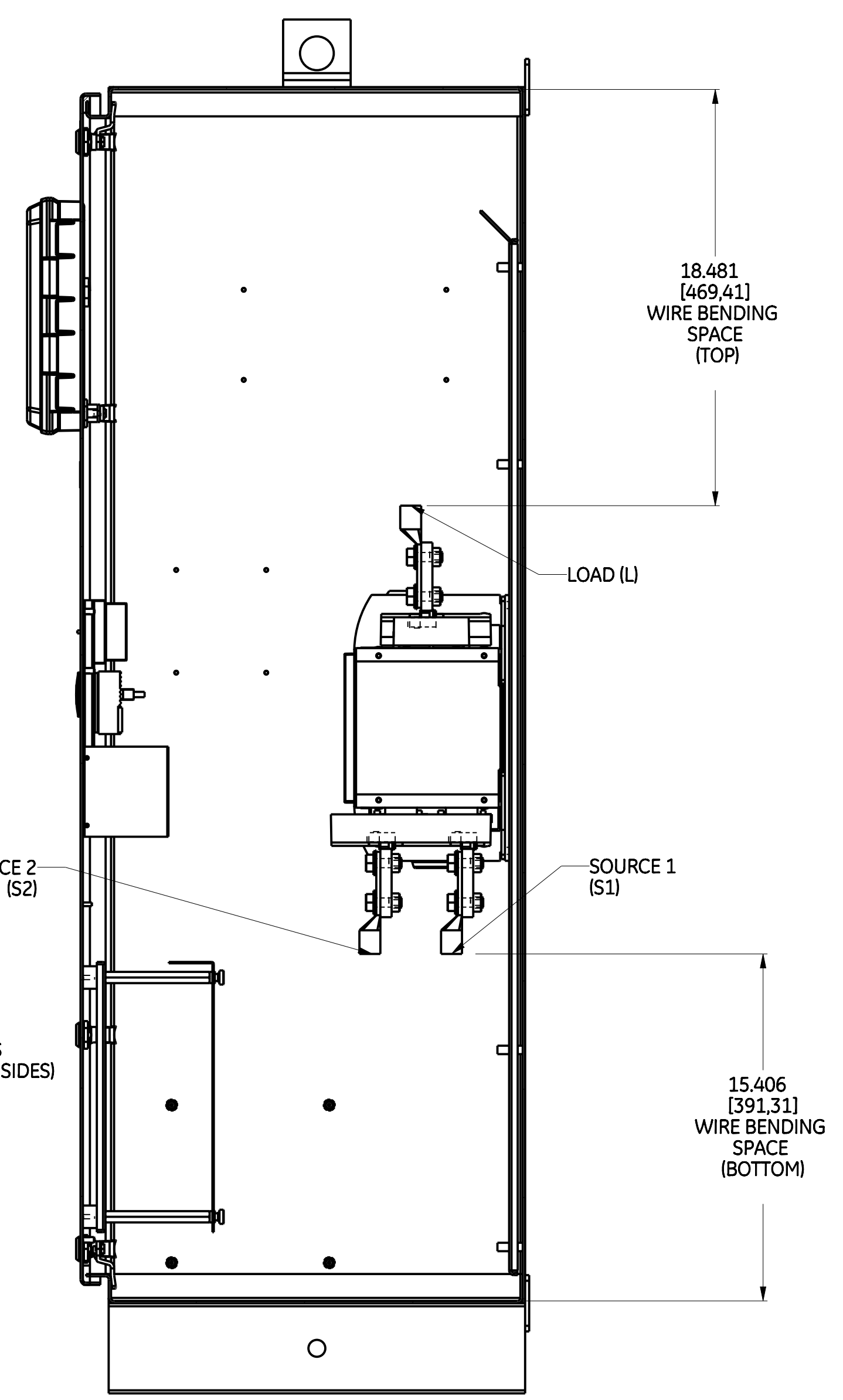
SECTION D-D
DOOR INSIDE VIEW



SECTION A-A
LEFT SIDE
WITHOUT SIDE PANEL



FRONT VIEW
WITHOUT DOOR
(4 POLE SWITCH SHOWN)



SECTION C-C
RIGHT SIDE VIEW
WITHOUT SIDE PANEL
AND PHASE BARRIERS

NOTE:
FOR SINGLE PHASE SWITCHED NEUTRAL(3-POLE) UNIT, THE NEUTRAL POLE WILL BE NEXT TO MECHANISM
AND PHASE A AND PHASE B POLES WILL BE NEXT TO NEUTRAL POLE

NOTE:
1. REFER TO SHEET (1) FOR COMPLETE NOTE DETAILS
2. MECHANICAL LUGS SHOWN IN ABOVE VIEWS ARE FOR REFERENCE ONLY.

ABB			
SIZE D	NUMBER	REV	
9:100	50C-1080	2	
SCALE	PRODUCT LINE	SHEET	
9:100	TruONE IN ZTS	5 of 5	