

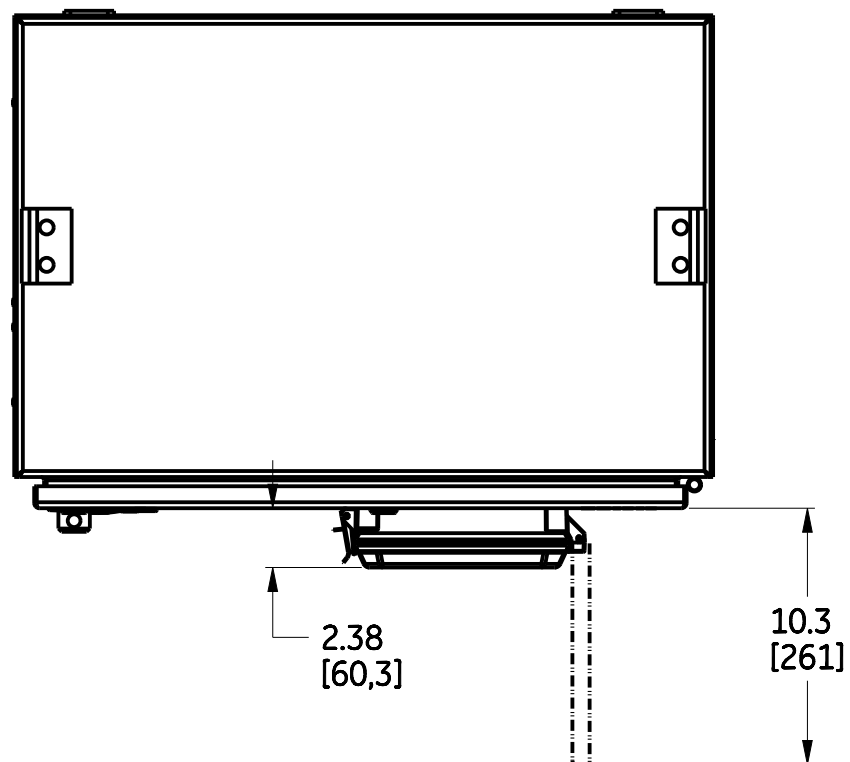
3D Model is the Master Document of Record  
Addis or Material Must Conform to IEC/UL Procedure S900000 Sec.14  
Part Must Conform to IEC/UL Procedure S900000 Sec.15  
Geometric Dimensioning & Tolerancing as per ASME Y14.5-2009

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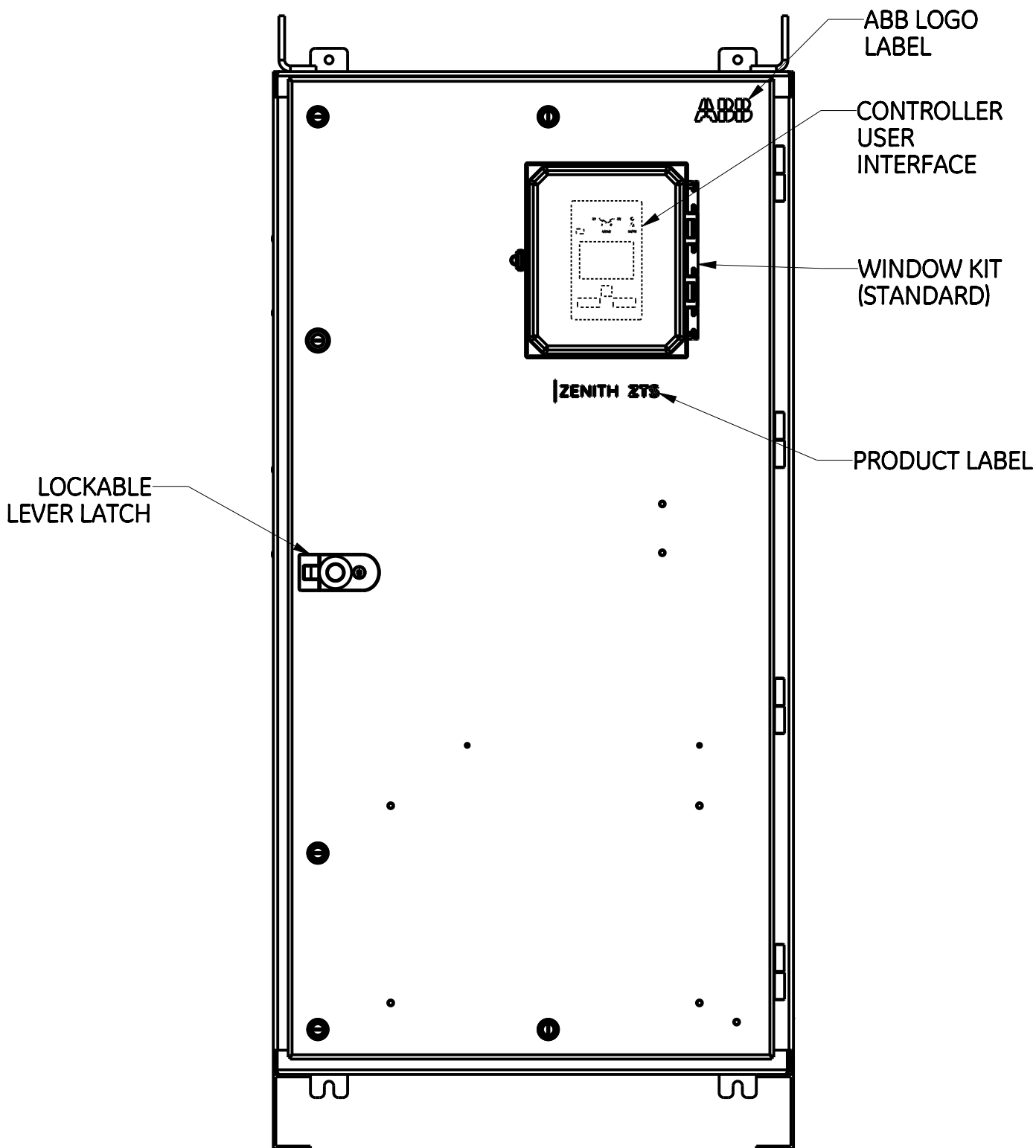


us\_3rd.dfm

NEMA 4 AND 12  
SAME AS 3R EXCEPT AS SHOWN



TOP VIEW



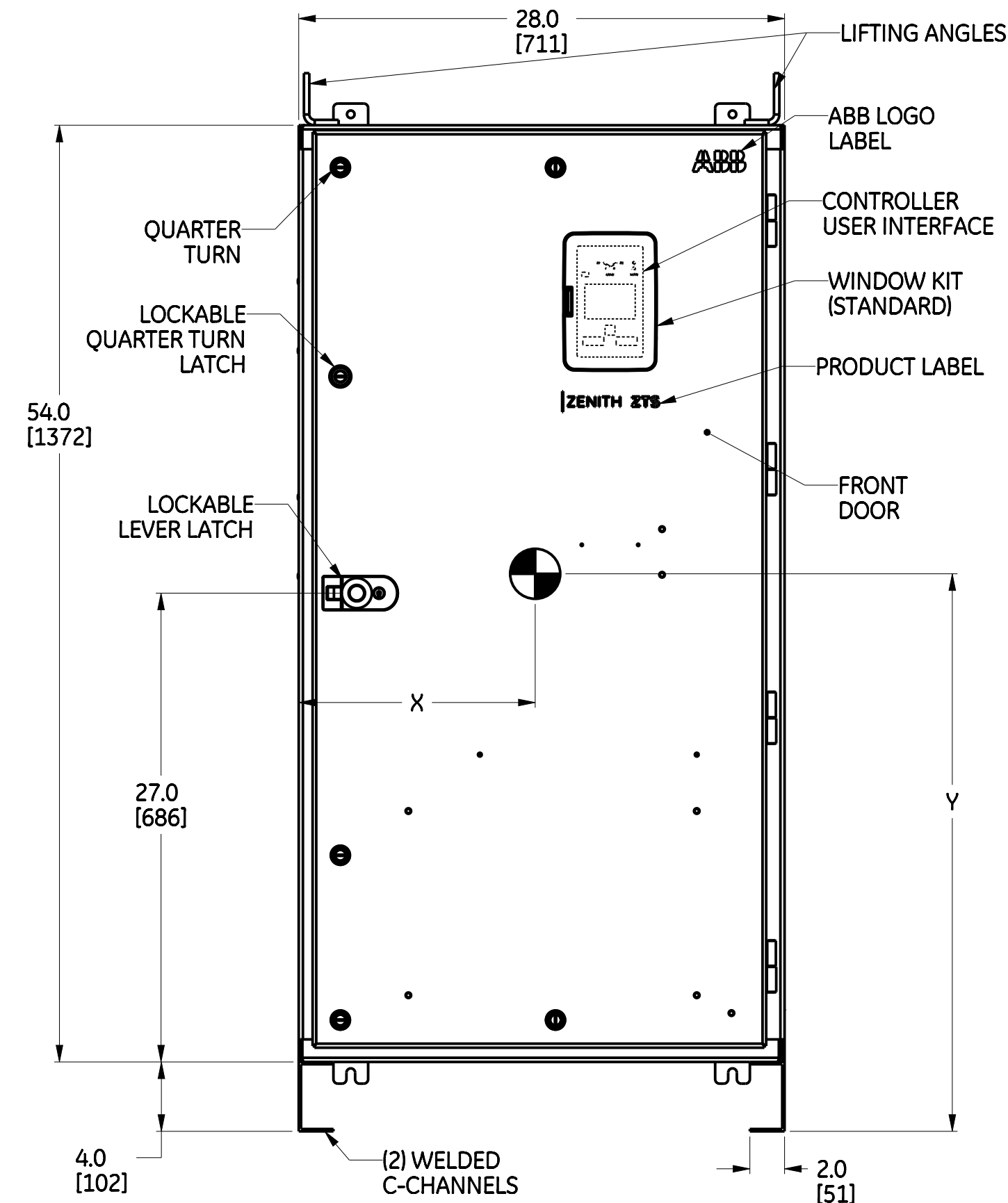
FRONT VIEW

|                          | AMP  | POLE | CONTROLLER TYPE | CABINET # | LUG RANGE                |
|--------------------------|------|------|-----------------|-----------|--------------------------|
| MECHANICAL LUG ASSEMBLY  | 600A | 3    | SEE TABLE A     | F-205IMP  | QTY 2<br>2 AWG-600 KCMIL |
|                          |      | 4    |                 |           |                          |
| COMPRESSION LUG ASSEMBLY |      | 3    |                 |           | QTY 2<br>500 KCMIL       |
|                          |      | 4    |                 |           |                          |

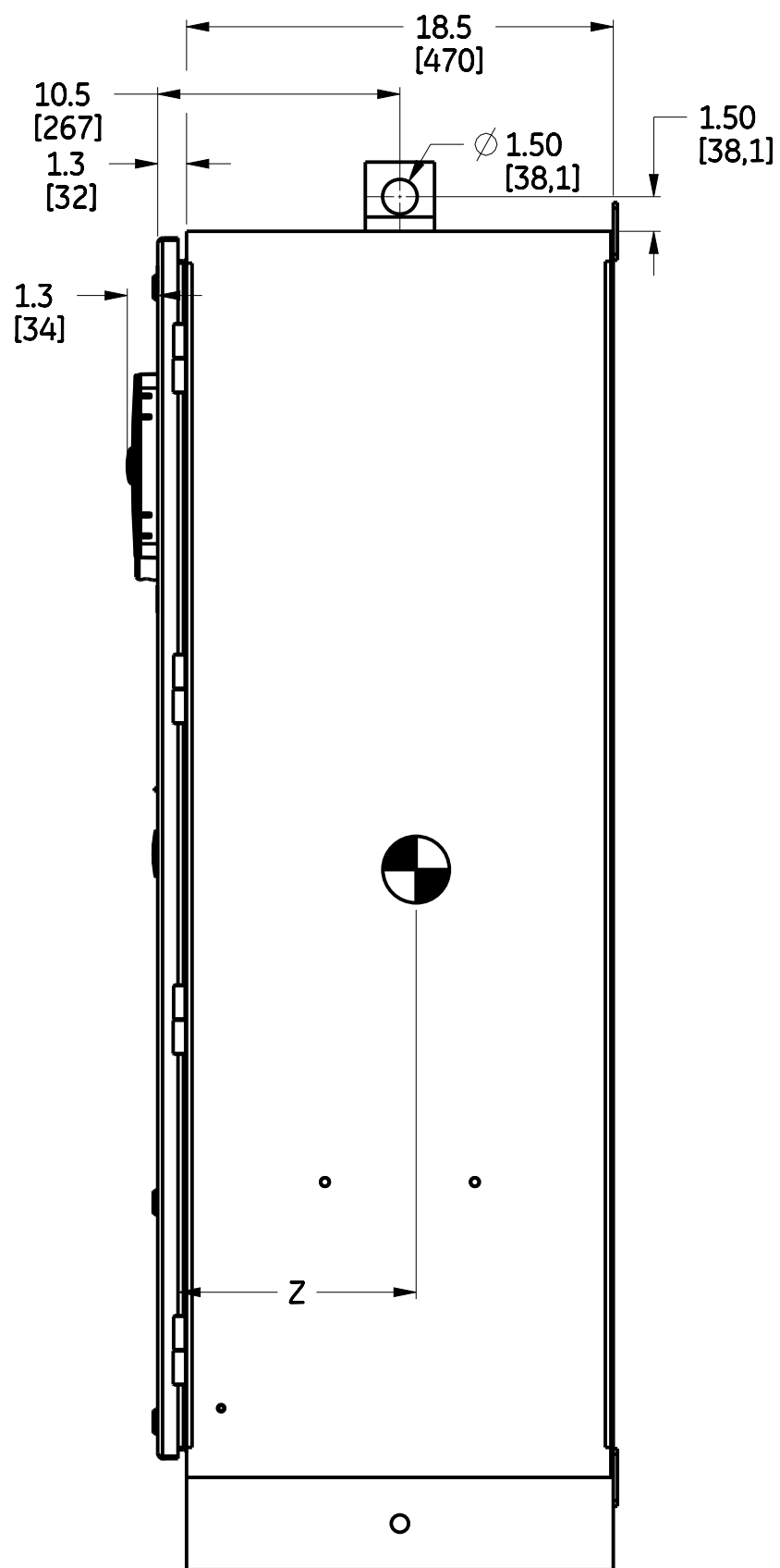
| TABLE A - HMI |            |       |           |
|---------------|------------|-------|-----------|
| TYPE          | TRANSITION | LEVEL | PART NO.  |
| ZTS           | OPEN       | 4     | OXAM11-L4 |
| ZTSD          | DELAYED    | 4     | OXBM11-L4 |

| TABLE B |                   |                           |            |           |
|---------|-------------------|---------------------------|------------|-----------|
| POLE    | WEIGHT<br>LB (KG) | CENTER OF GRAVITY IN (MM) |            |           |
|         |                   | X                         | Y          | Z         |
| 3       | 335 (152)         | 13.7 (348)                | 30.1 (764) | 9.7 (262) |
| 4       | 345 (157)         |                           |            |           |

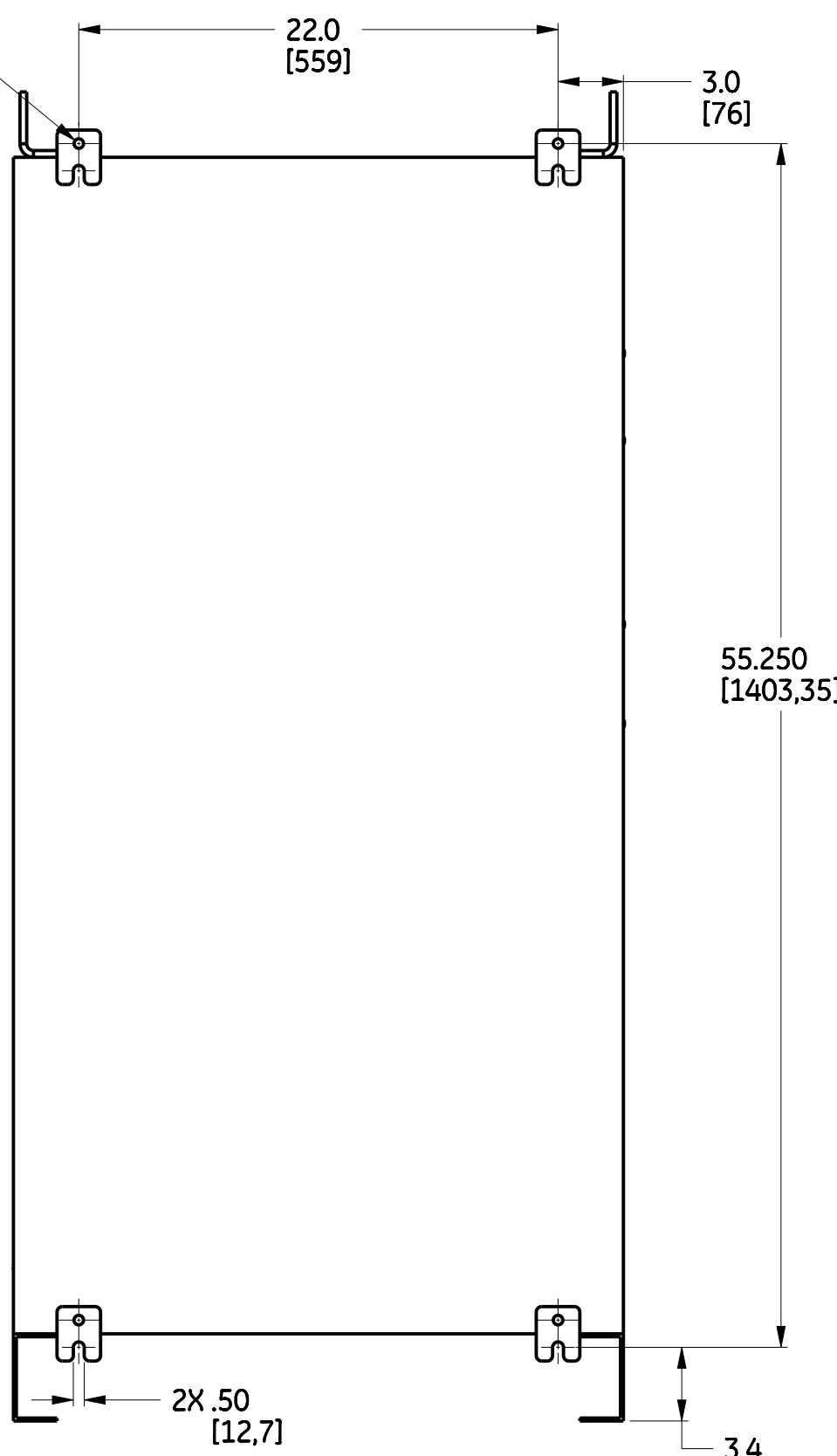
NEMA 3R



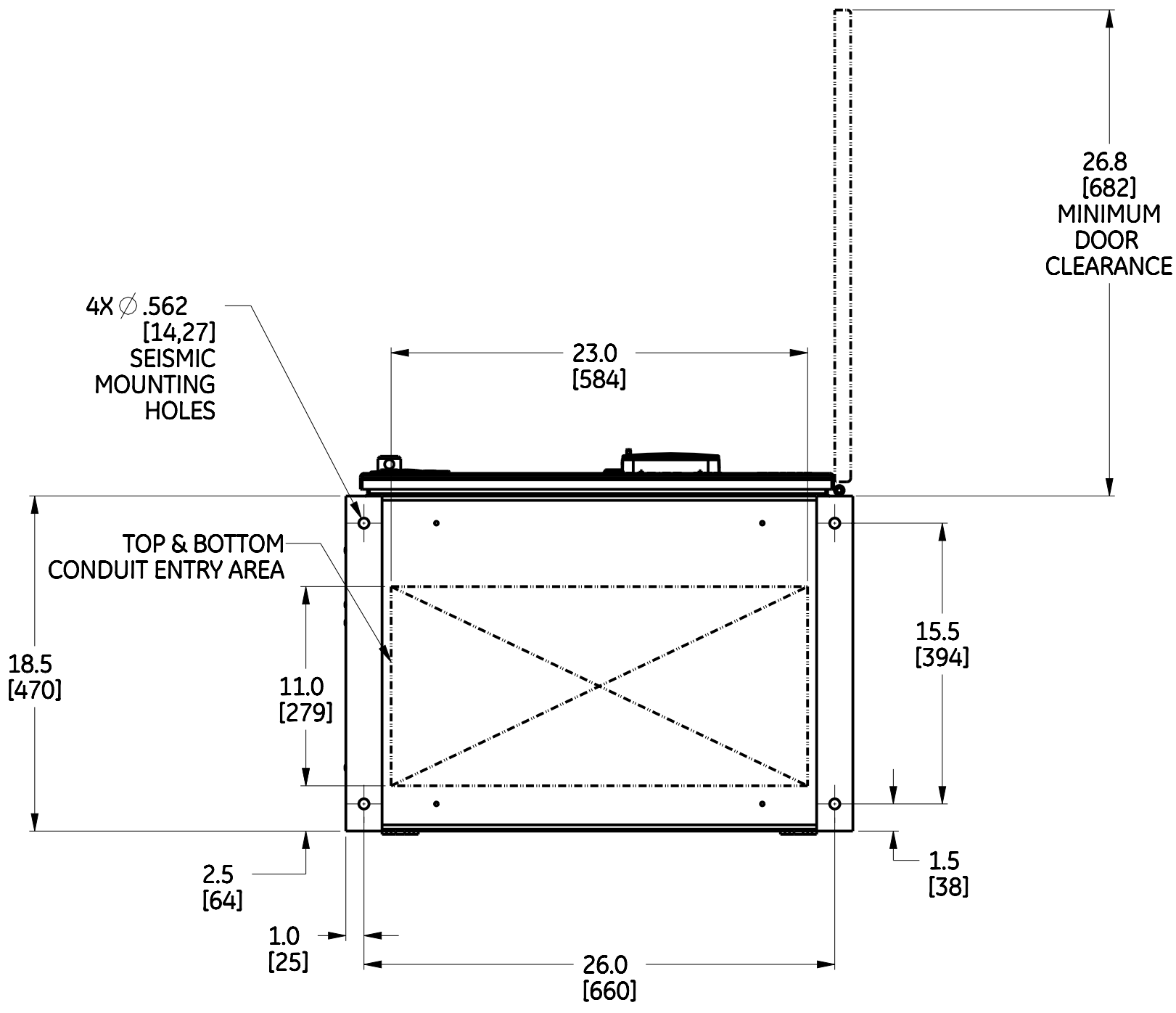
FRONT VIEW



SIDE VIEW



REAR VIEW



BOTTOM VIEW

NOTES

- ENCLOSURE : NEMA-3R TYPE, FREE STANDING, FLOOR MOUNT.
- MATERIAL: 12 GA (.105) 1018 HRS REF.
- FINISH : ANST 61 GREY
- CONSTRUCTION PER UL 1008 STANDARD.
- FRONT ACCESSIBLE UNIT. NO SIDE OR REAR ACCESS REQUIRED.
- SUITABLE WIRE BENDING SPACE PROVIDED PER THE SAFETY AGENCY STANDARDS.
- UL AND CSA RECOGNIZED/CERTIFIED MECHANICAL LUGS ARE STANDARD.
- UL AND CSA RECOGNIZED/CERTIFIED COMPRESSION LUGS ARE AVAILABLE AS OPTION.
- EQUIPMENT GROUND LUG IS PROVIDED IN ALL UNITS. REFER SHEET 2 FOR DETAILS.
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES (MILLIMETERS).
- 100% RATED SOLID/SWITCHED NEUTRAL PROVIDED PER THE SWITCH CONFIGURATION.
- SUITABLE FOR TOP AND/OR BOTTOM CABLE ENTRY.
- FOR CABLE CONNECTIONS TO MECHANICAL LUG, REFER O&M MANUAL FOR TORQUE DETAILS
- FOR WORKING CLEARANCE REFER TO NATIONAL AND LOCAL CODES AND STANDARDS.

SEISMIC NOTES:

- BOLT ENCLOSURE FROM C-CHANNEL BASE 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.
- CENTER OF GRAVITY DIMENSIONS ARE FOR REFERENCE ONLY.

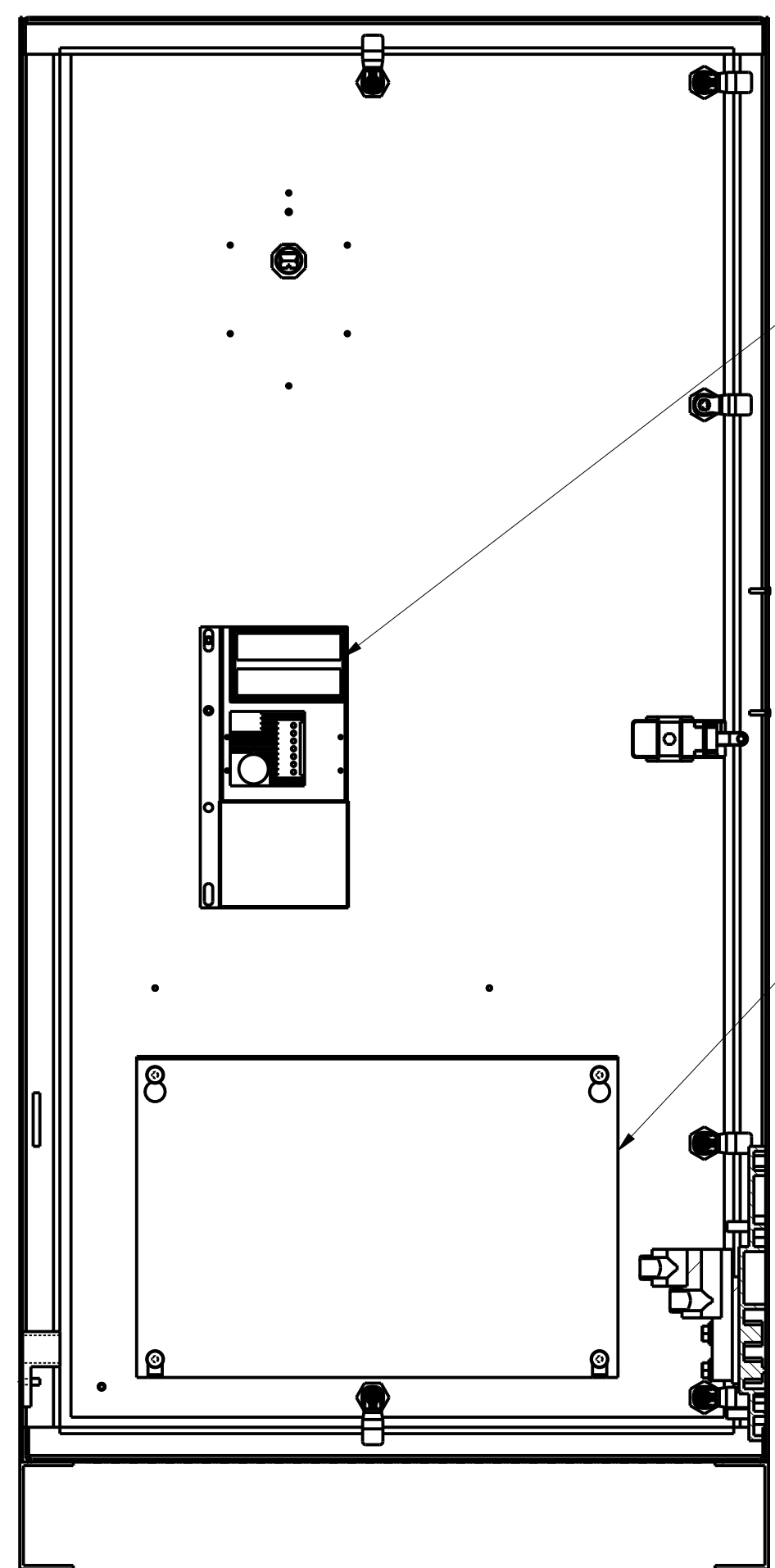
|                            |  |                                    |  |                      |  |                     |  |              |  |                           |  |               |  |
|----------------------------|--|------------------------------------|--|----------------------|--|---------------------|--|--------------|--|---------------------------|--|---------------|--|
|                            |  | DRAWING FILE                       |  | MODEL FILE           |  | <div>ABB</div>      |  |              |  |                           |  |               |  |
|                            |  | 50C-1083                           |  | 50C-1083             |  |                     |  |              |  |                           |  |               |  |
| Calculated for:<br>VOLUME  |  | DATE MODIFIED                      |  | DESIGNED BY          |  |                     |  |              |  | ZTS(D) 600A, TYPE 3R,4,12 |  |               |  |
|                            |  | 01-Apr-21 09:21:49 AM              |  | SK                   |  |                     |  |              |  |                           |  |               |  |
| 0.000 in³                  |  | CN#                                |  | APPROVED BY          |  | TITLE               |  |              |  |                           |  |               |  |
|                            |  | C108929                            |  | SR                   |  |                     |  |              |  |                           |  |               |  |
| 0.000 lbm                  |  | Critical to Quality Characteristic |  |                      |  | UNITS               |  |              |  |                           |  |               |  |
|                            |  |                                    |  |                      |  |                     |  |              |  | in                        |  |               |  |
|                            |  | MATERIAL SPECIFICATION             |  | FINISH SPECIFICATION |  | LOCAL TITLE         |  |              |  |                           |  |               |  |
|                            |  | ---                                |  | ---                  |  | ---                 |  |              |  |                           |  |               |  |
| UNLESS OTHERWISE SPECIFIED |  | MATERIAL DESCRIPTION               |  | ---                  |  | SIZE                |  | ROOT NUMBER  |  | REV                       |  | RELEASE STATE |  |
|                            |  |                                    |  |                      |  |                     |  |              |  |                           |  |               |  |
|                            |  | FINISH DESCRIPTION                 |  | ---                  |  | SCALE               |  | PRODUCT LINE |  | SHEET                     |  |               |  |
|                            |  |                                    |  |                      |  |                     |  |              |  |                           |  |               |  |
|                            |  |                                    |  |                      |  |                     |  |              |  |                           |  |               |  |
|                            |  |                                    |  | 13:100               |  | ZENITH ZTS T-SERIES |  | 1 of 3       |  |                           |  |               |  |



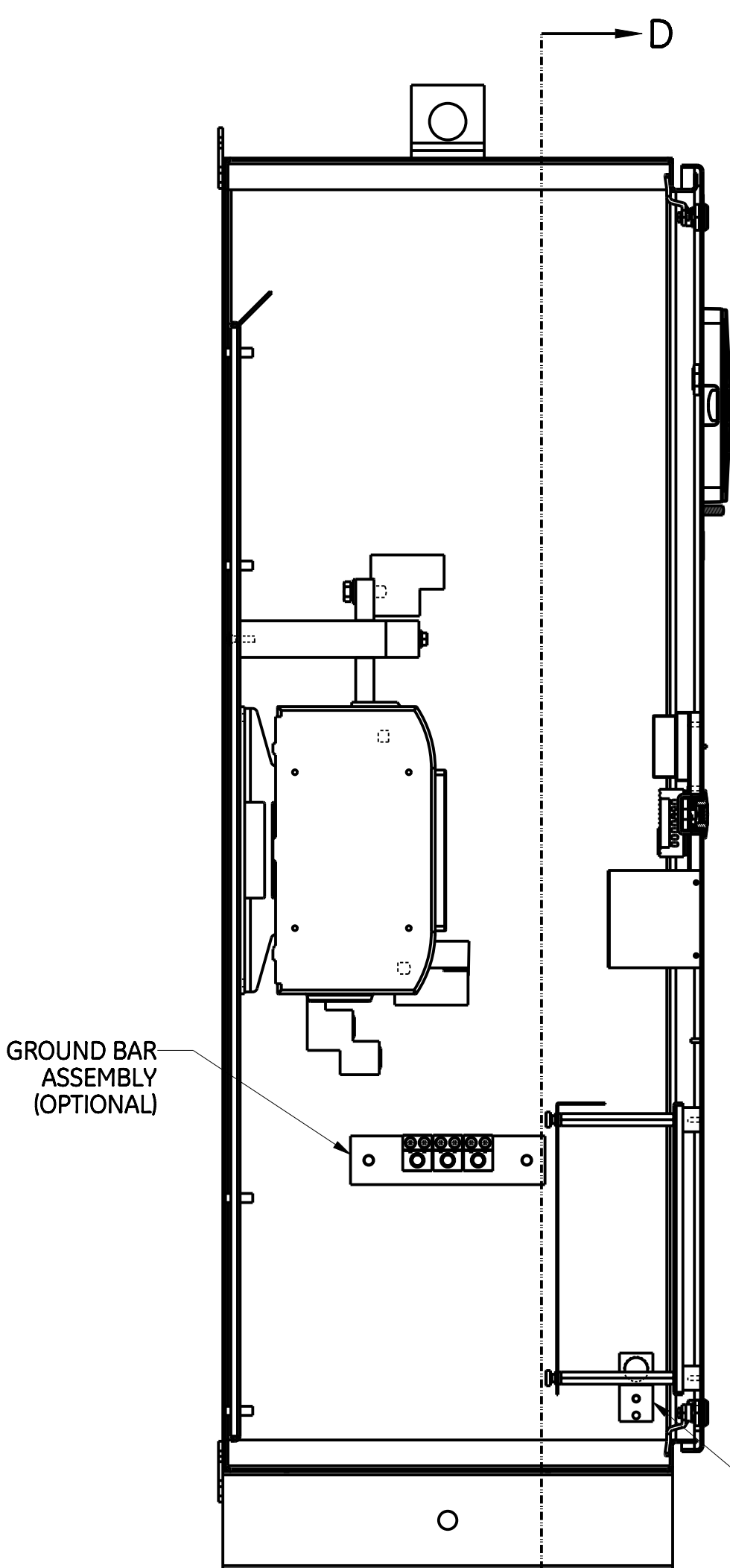
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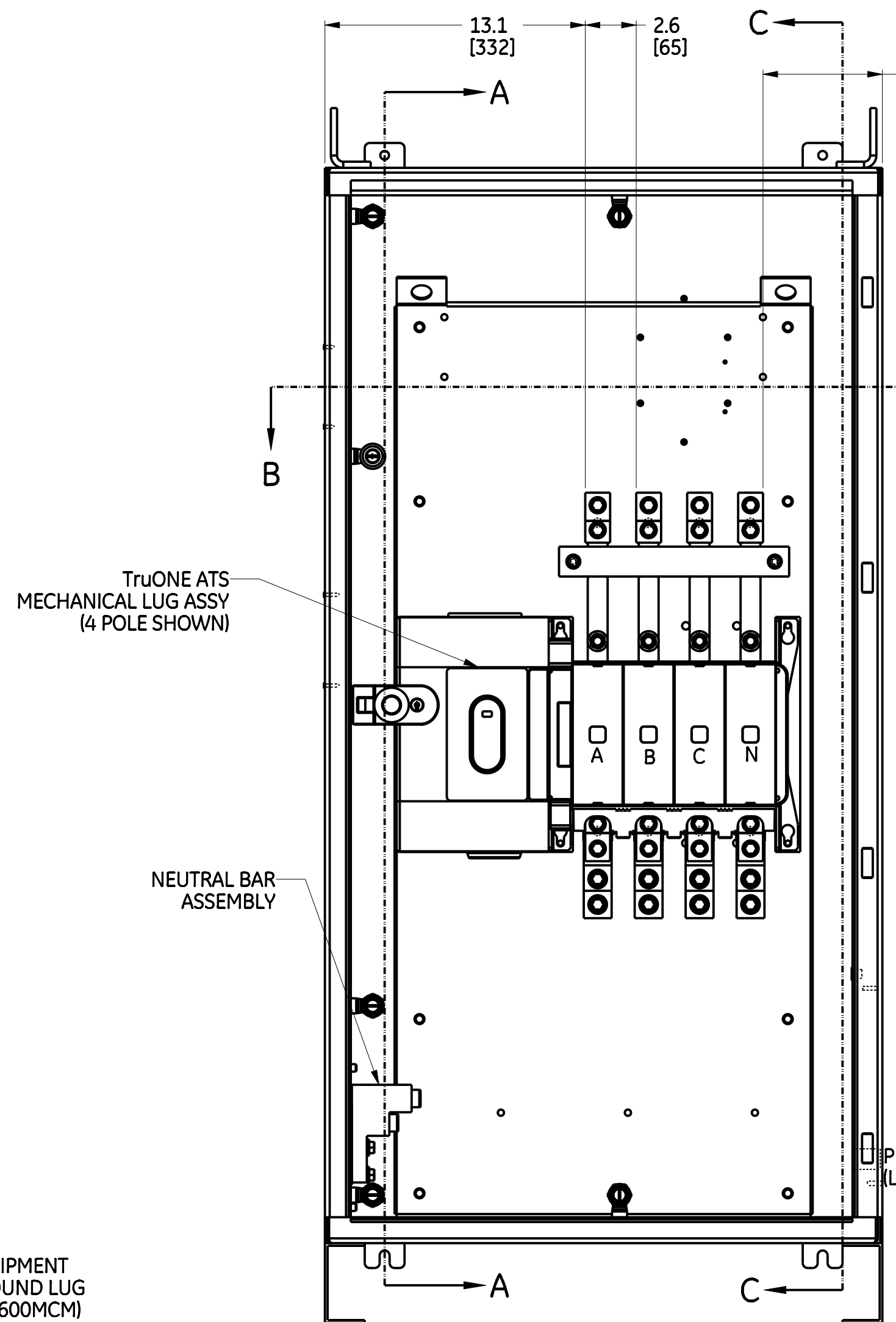
CABINET WITH MECHANICAL LUG ASSEMBLY  
(AVAILABLE AS STANDARD)



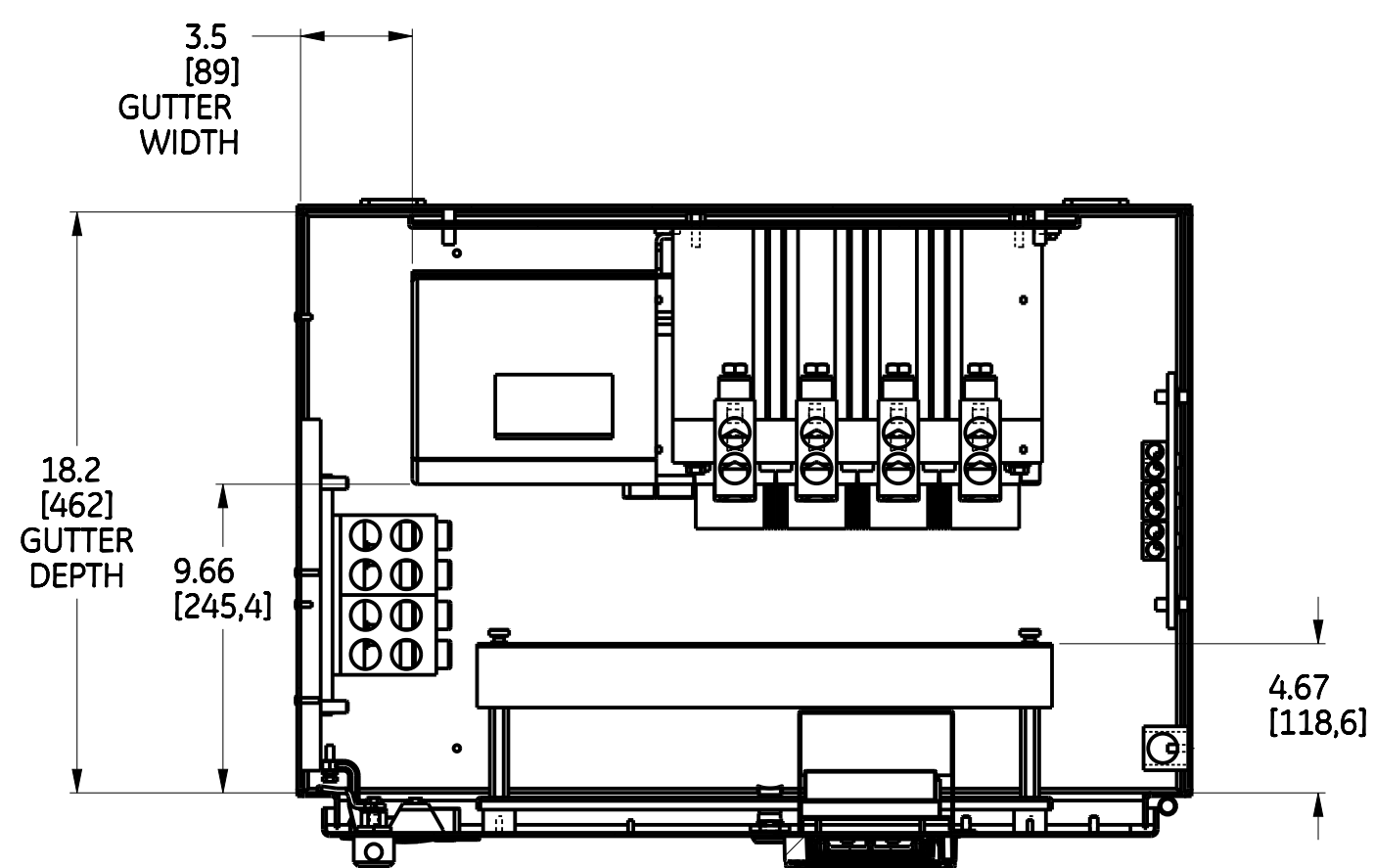
SECTION D-D  
DOOR INSIDE VIEW



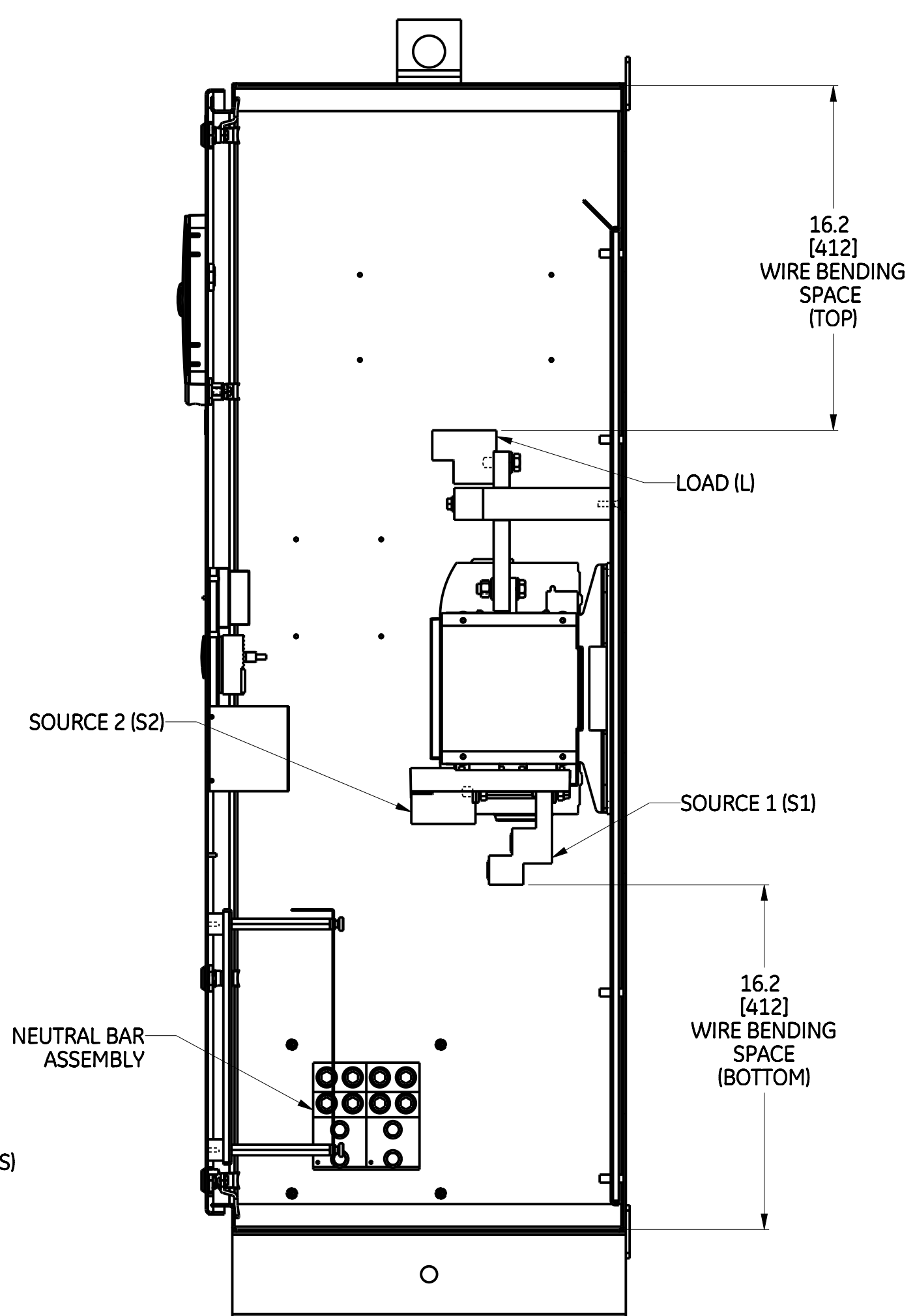
SECTION A-A  
LEFT VIEW  
WITHOUT SIDE PANEL



FRONT VIEW  
WITHOUT DOOR  
(4 POLE SWITCH SHOWN)



SECTION B-B  
TOP VIEW  
WITHOUT TOP PANEL



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

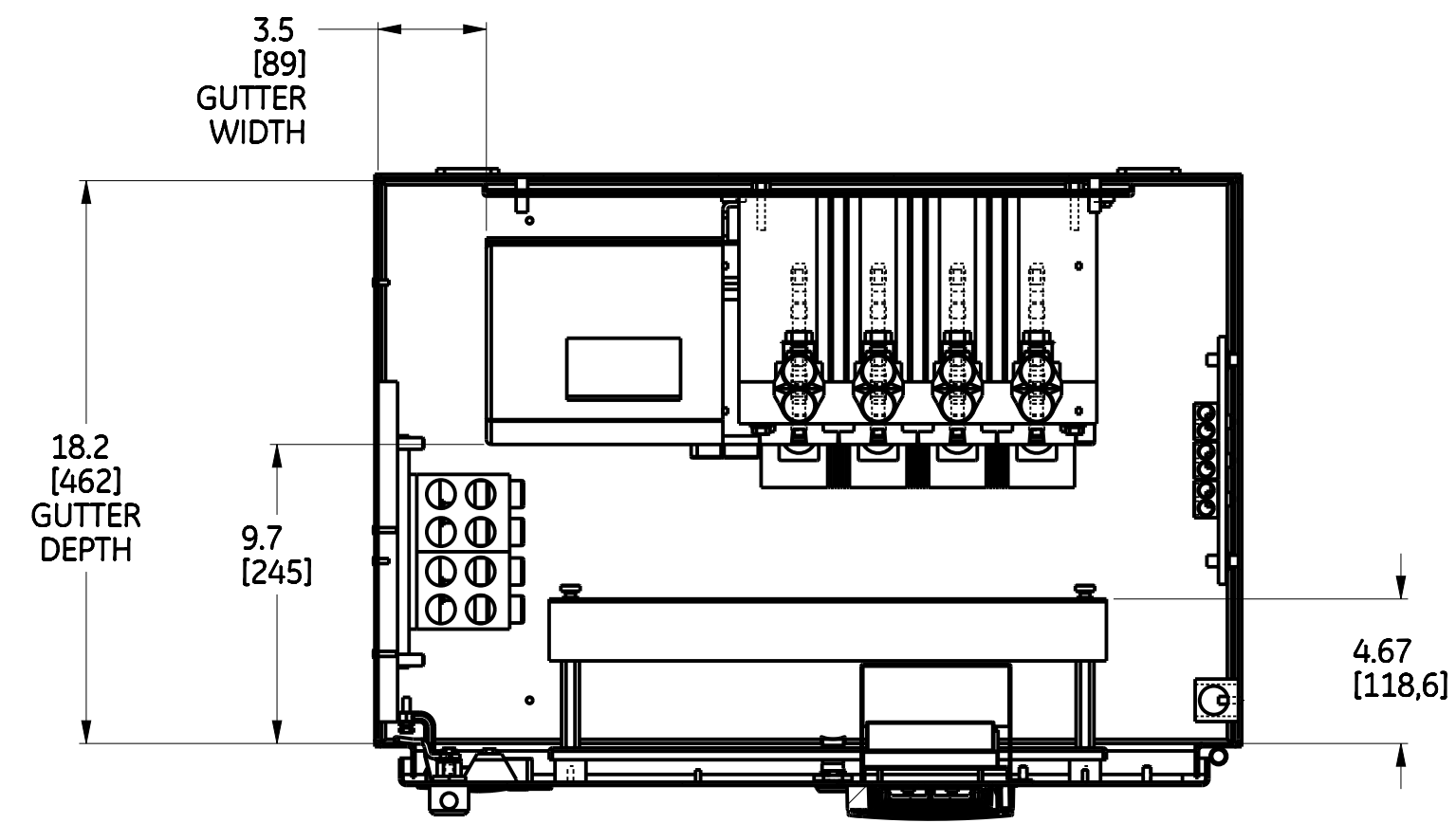
| ABB             |                                     |                 |  |
|-----------------|-------------------------------------|-----------------|--|
| SIZE<br>D       | NUMBER<br>50C-1083                  | REV<br>1        |  |
| SCALE<br>17:100 | PRODUCT LINE<br>ZENITH ZTS T-SERIES | SHEET<br>2 of 3 |  |



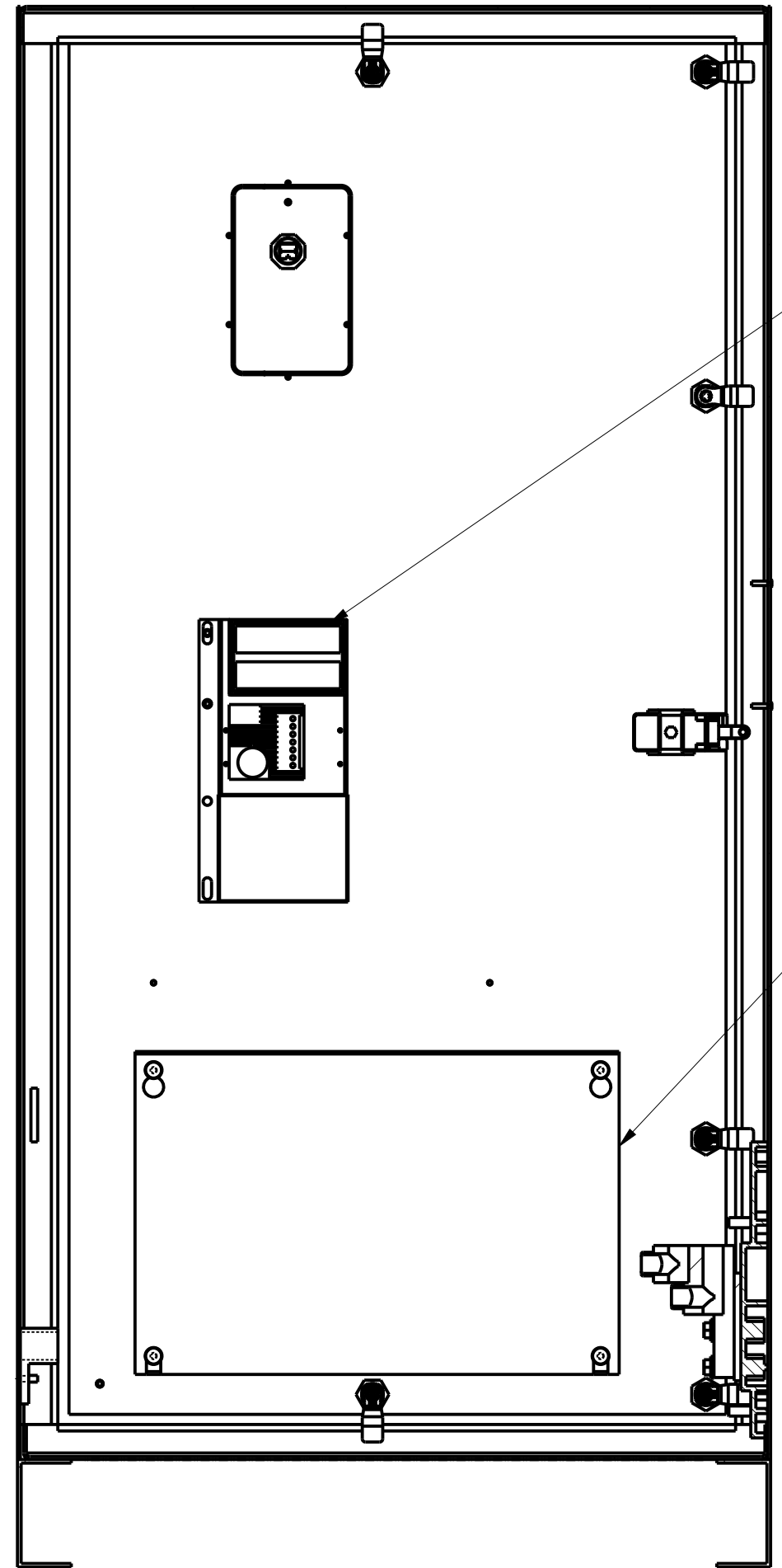
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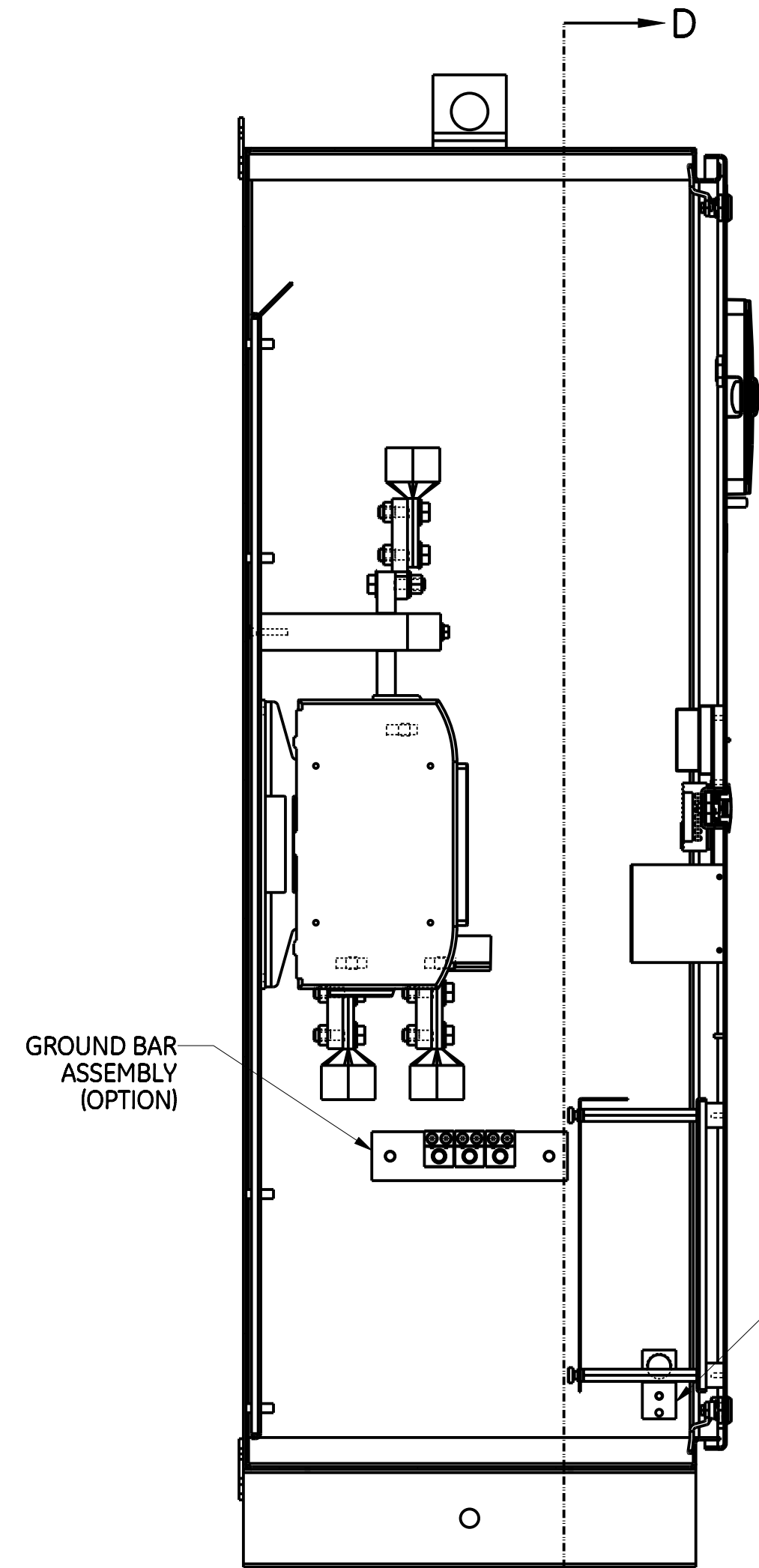
CABINET WITH COMPRESSION LUG ASSEMBLY  
(AVAILABLE AS OPTION)



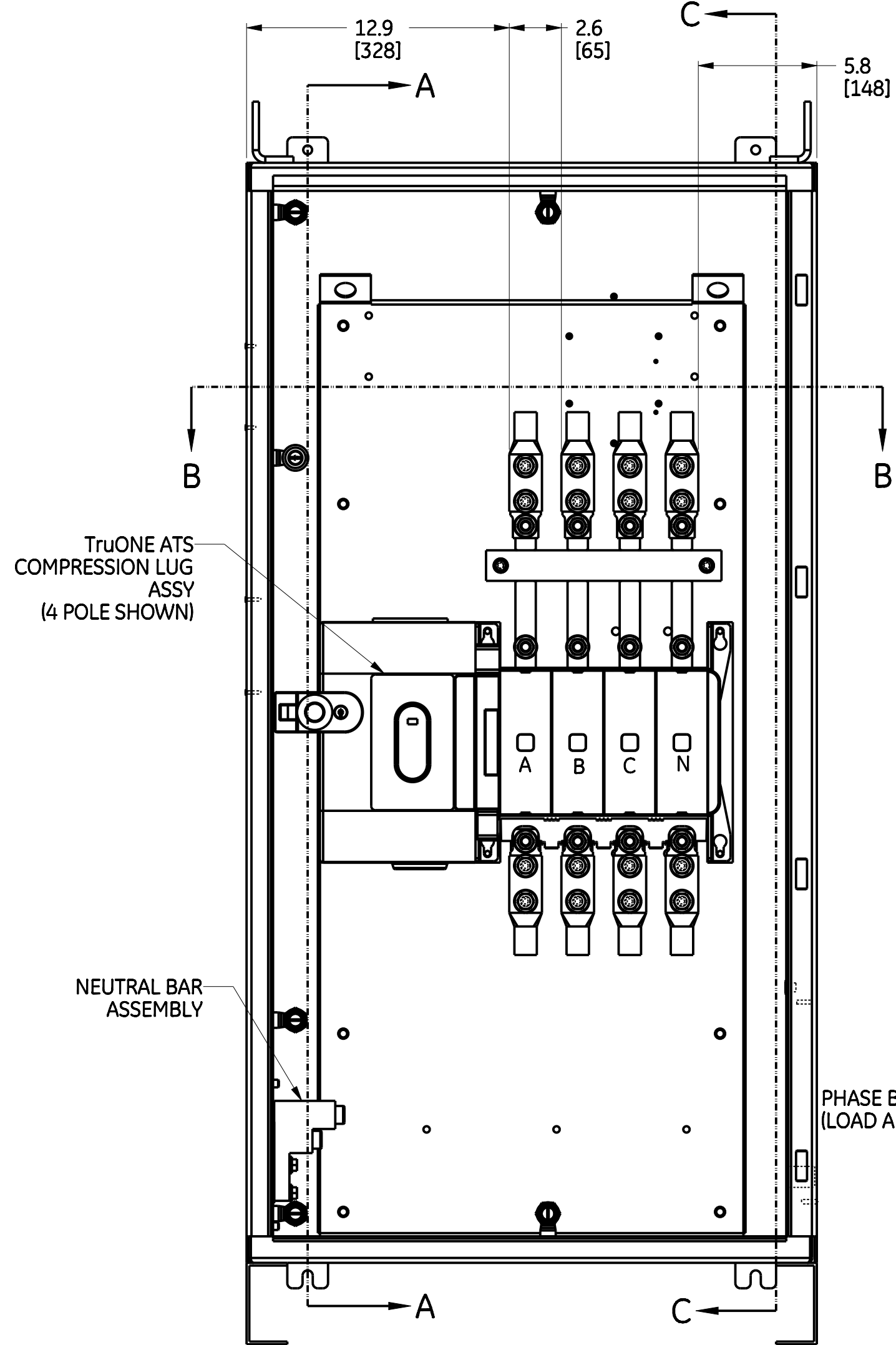
SECTION B-B  
TOP VIEW  
WITHOUT TOP PANEL



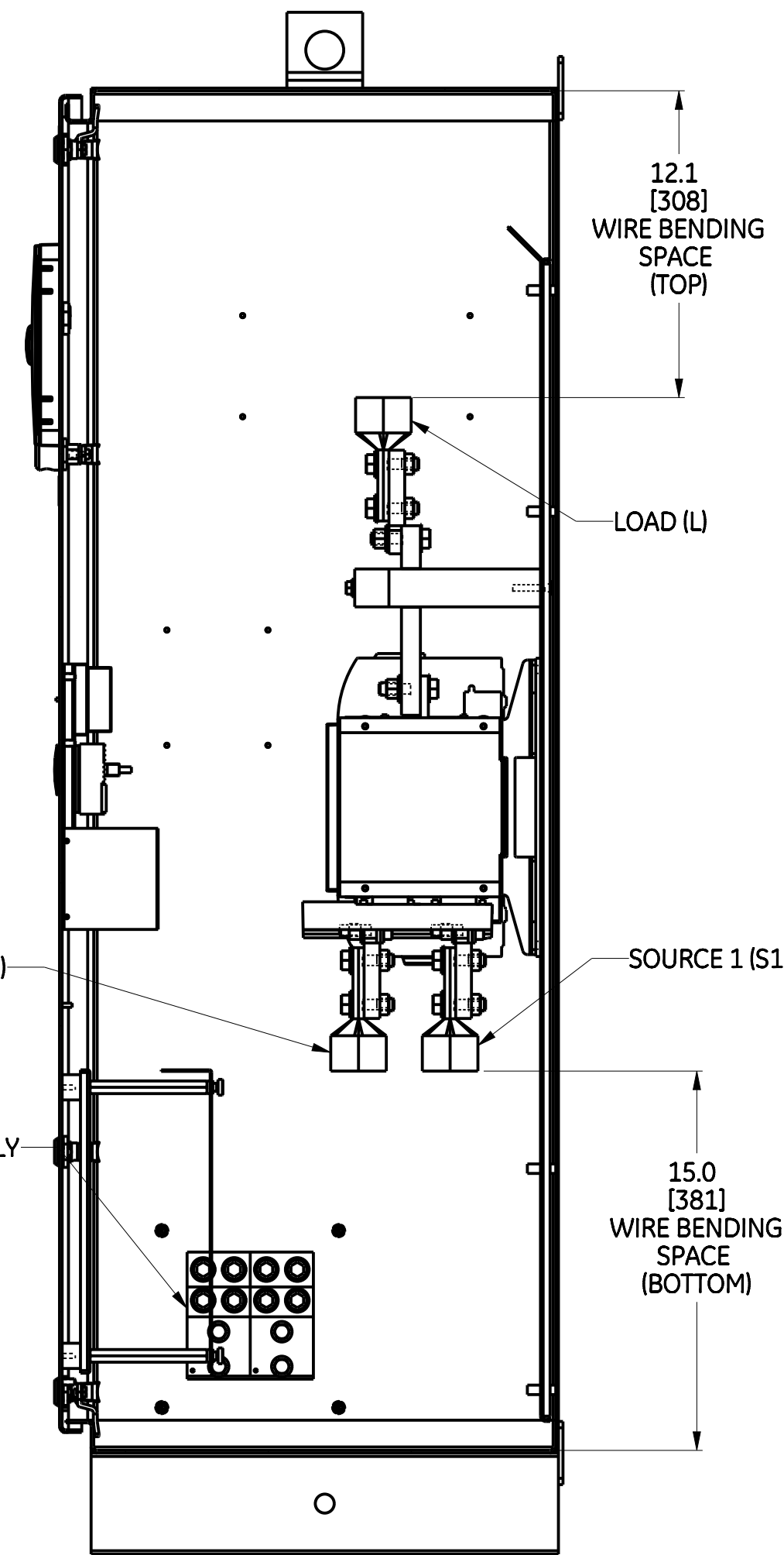
SECTION D-D  
DOOR INSIDE VIEW



SECTION A-A  
LEFT VIEW  
WITHOUT SIDE PANEL



FRONT VIEW  
WITHOUT DOOR  
(4 POLE SWITCH SHOWN)



SECTION C-C  
RIGHT SIDE VIEW  
WITHOUT SIDE PANEL

NOTE:  
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NOTE:  
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AND PHASE A AND PHASE B POLES WILL BE NEXT TO NEUTRAL POLE

| ABB    |                     |        |  |
|--------|---------------------|--------|--|
| SIZE   | NUMBER              | REV    |  |
| D      | 50C-1083            | 1      |  |
| SCALE  | PRODUCT LINE        | SHEET  |  |
| 17:100 | ZENITH ZTS T-SERIES | 3 of 3 |  |