

# MITSUBISHI 9900D 1.5/1.6MVA UPS OUTLINE DRAWING

CUSTOMER -

PROJECT NUMBER -

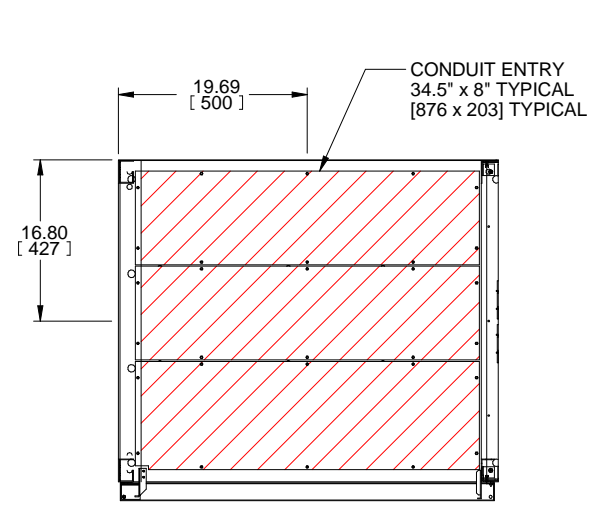
PROJECT LOCATION -

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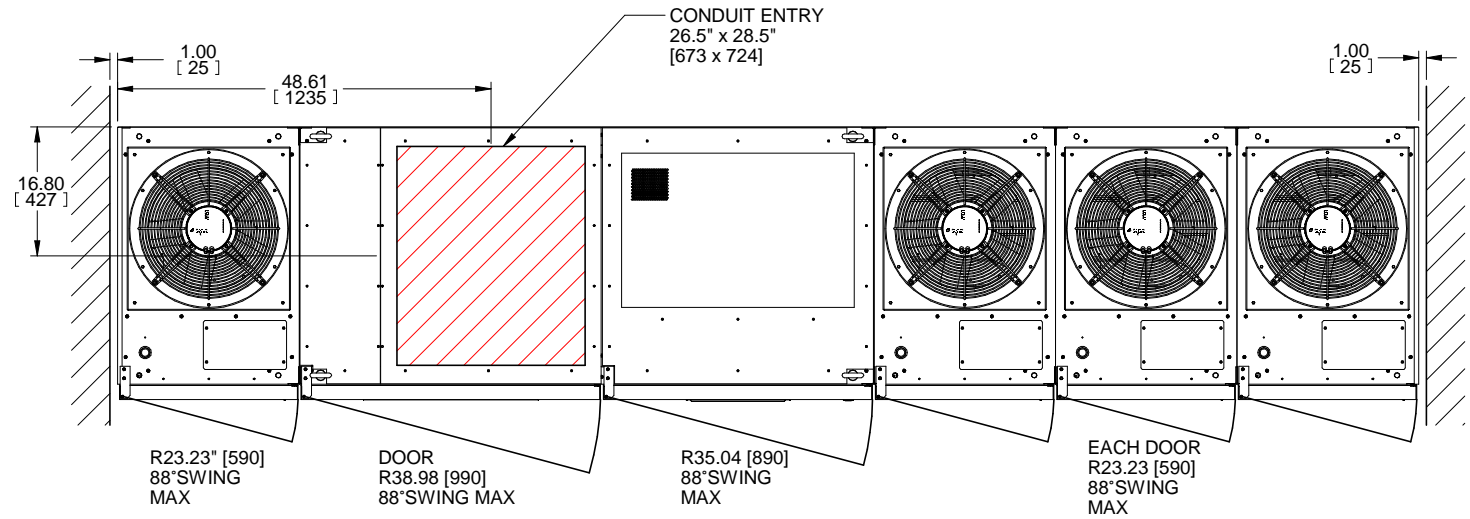
SHEET NO.	TITLE
01	COVER SHEET
02	OUTLINE
03	BUS CONNECTIONS
04	SYSTEM CONFIGURATION
05	SINGLE LINE
06	SINGLE LINE
07	
08	
09	
10	
11	
12	
13	
14	
15	

REV. NO.	DESCRIPTION
0.	INITIAL RELEASE Z.ZAJAC 11/25/19
2.	CHANGED TITLE TO 1.5/1.6MVA Z.ZAJAC 12/11/19
3.	UPDATED DIMENSIONS AND VIEWS FOR NEW DOOR J.PRY-SOCK 2/27/20
4.	ADDED UVR CONNECTION TO SHEET 6. J.MOTT 7/10/2020
5.	ADDED BUS HOLE DIAMETER AND THICKNESS DIMENSIONS R.DURBIN 7/16/2021
6.	ADDED DIMS FOR CONDUIT ENTRY LOCATIONS. J.MOTT 2/16/22
7.	ADDED UVR VOLTAGE ON SHEET 6. J.MOTT 3/25/22

DIMENSIONS IN: IN [MM] (REF)	SCALE - NTS -	DRAFTER Z.ZAJAC	DATE 11/25/19	<b>MITSUBISHI ELECTRIC</b>
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<small>CORE/REFERENCE DRAWING (IF APPLICABLE)</small>		<small>TITLE</small> <b>9900D 1.5/1.6MVA OUTLINE DRAWING</b>		<small>DWG. NO.</small> <b>UD-101107</b>
			<small>SHEET 1 OF 6</small>	<small>REV.</small> <b>7</b>



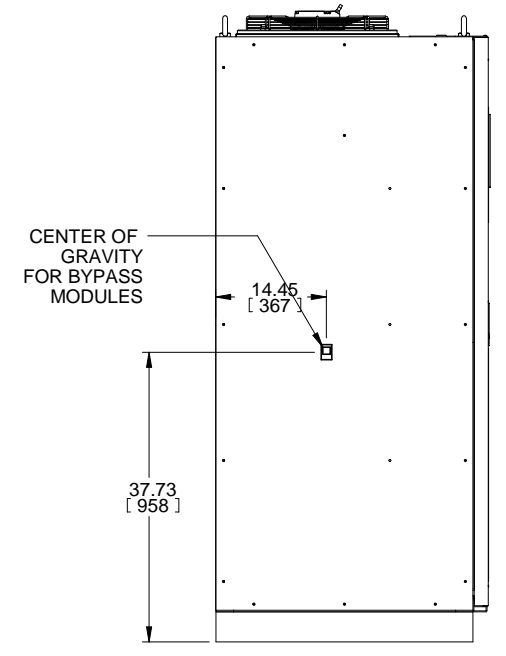
**SECTION A-A**  
**BOTTOM CONDUIT ENTRY**



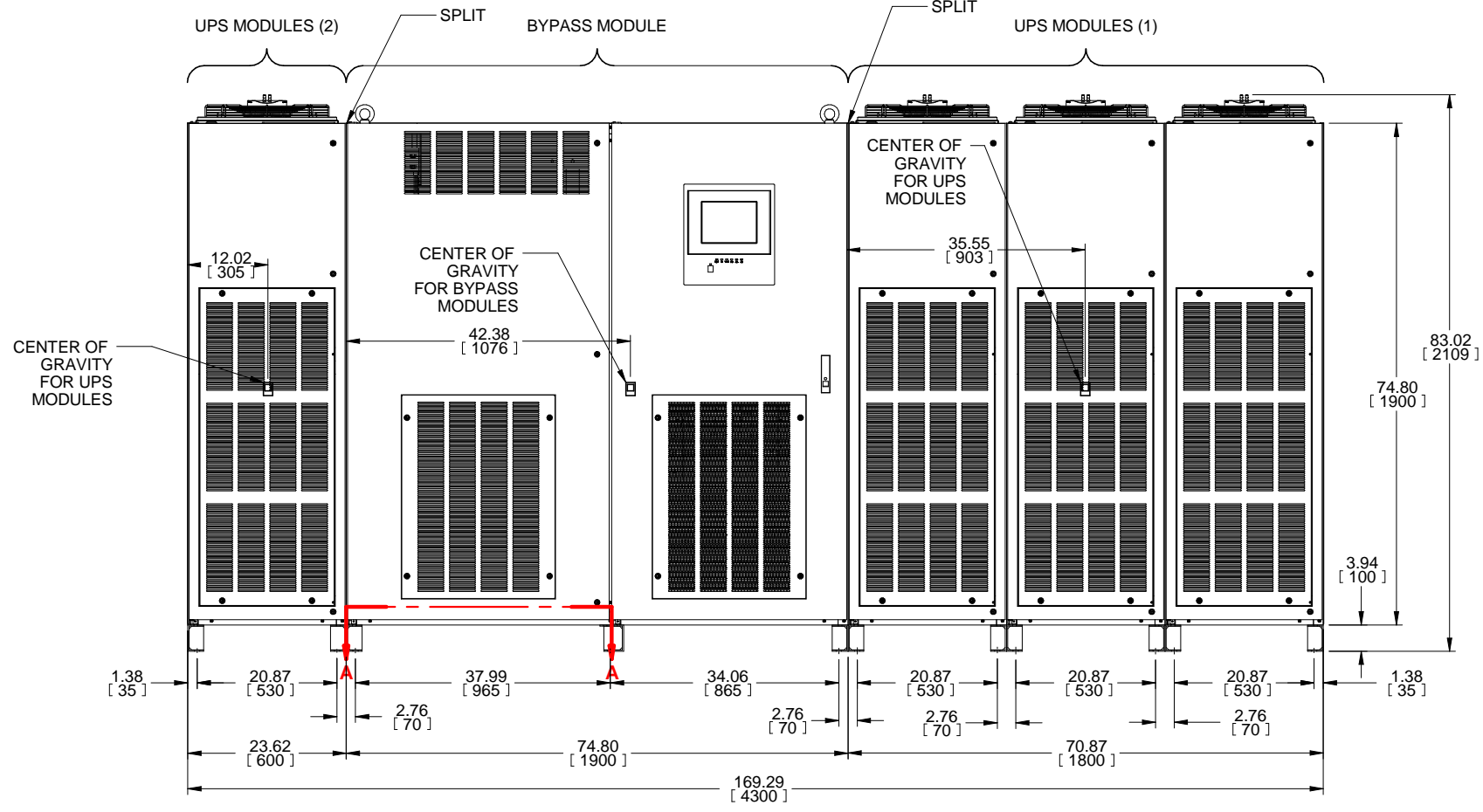
**TOP VIEW**

**NOTES:**

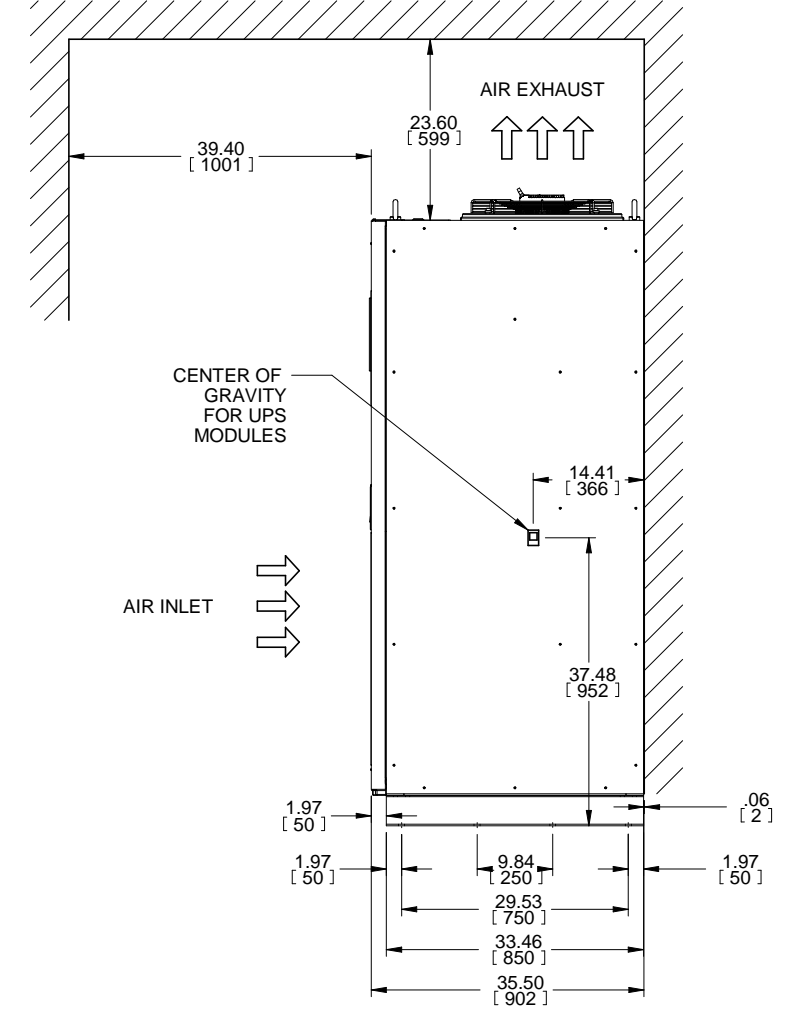
1. DIMENSIONS ARE SHOWN IN INCHES [MILLIMETERS].
  2. SIDE SPACE '1"[25] IS NOT REQUIRED WHEN SIDECARS ARE USED.
  3. CABINET SHOULD BE MAINTAINED UPRIGHT WITHIN +/- 15° DURING HANDLING.
  4. EACH BASE CHANNEL HAS 2 OR 4 x 0.8"[20] DIAMETER HOLES TO FIX UPS ON THE GROUND.
  5. LIFTING EYES OPTIONAL.
  6. APPROXIMATE WEIGHT.
- |                |                    |
|----------------|--------------------|
| UPS MODULE (1) | 5,200LBS (2,360kg) |
| UPS MODULE (2) | 1,790LBS (820kg)   |
| BYPASS MODULE  | 2,700LBS (1,260kg) |
7. FLOOR SHALL BE FLAT AND LEVEL TO 0.3" SURROUNDING UPS MOUNTING.



**LEFT SIDE VIEW**



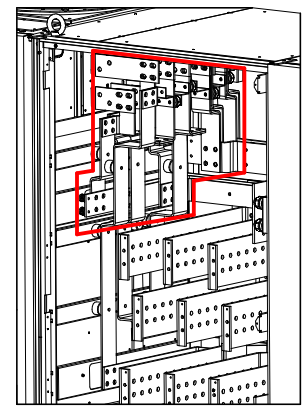
**FRONT VIEW**



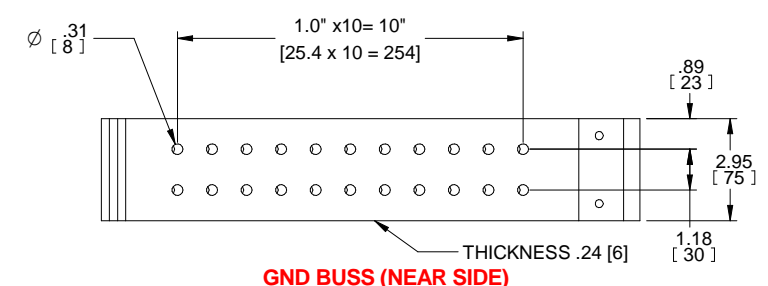
**RIGHT SIDE VIEW**

REVISIONS	DATE	DESCRIPTION
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6. ADDED DIMS FOR CONDUIT ENTRY LOCATIONS.	J.MOTT 2/16/22	
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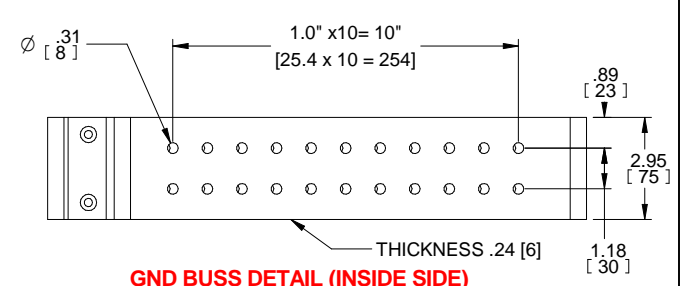
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			<small>REV.</small> <b>7</b>	



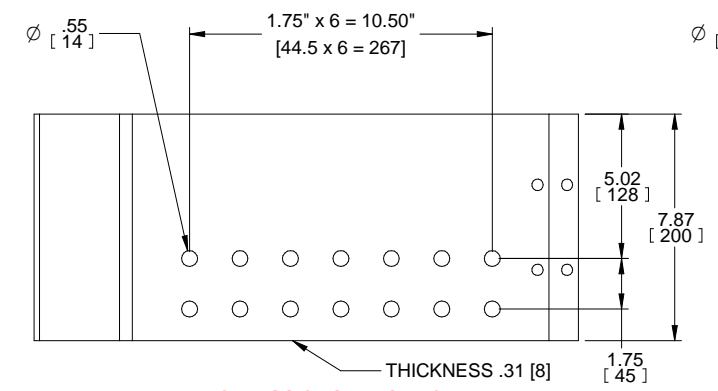
**VIEW OF BYPASS TO MODULE BUSS**



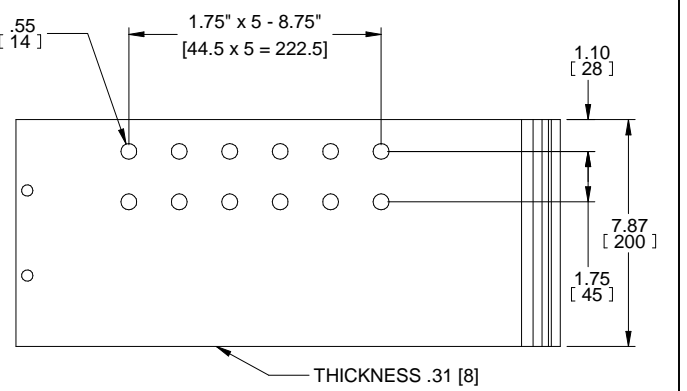
**GND BUSS (NEAR SIDE)**



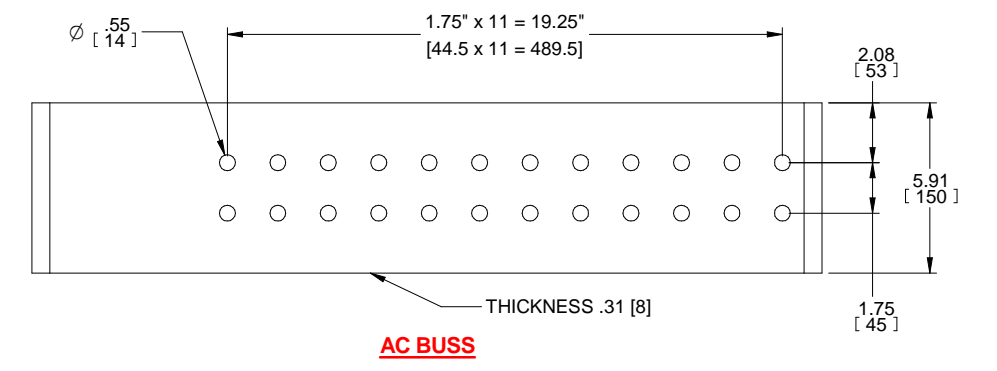
**GND BUSS DETAIL (INSIDE SIDE)**



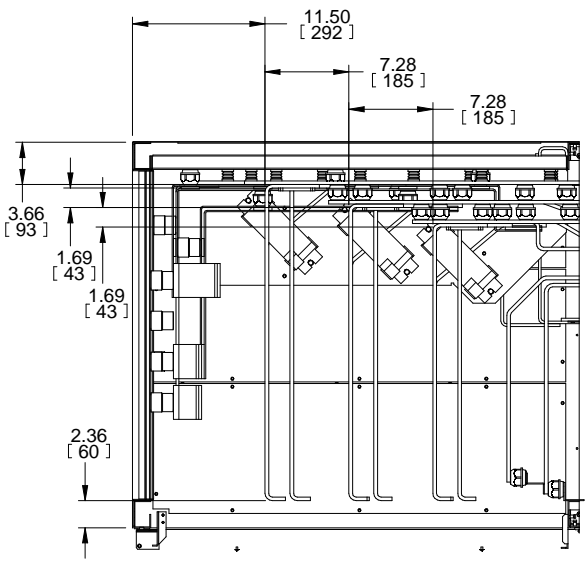
**DC BUSS (INSIDE SIDE)**



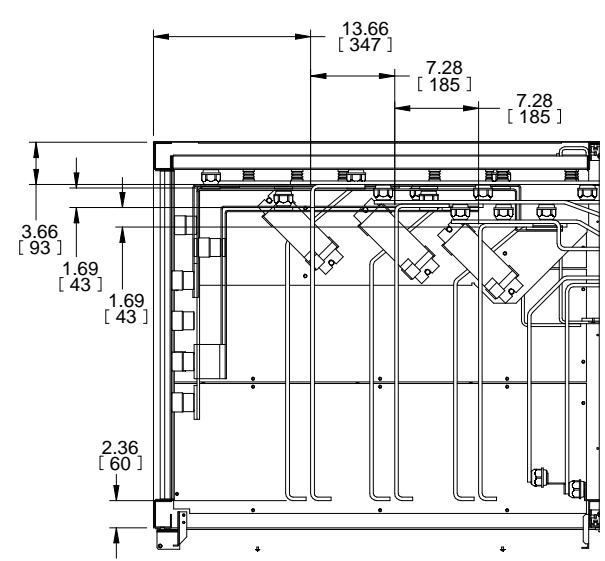
**DC BUSS (NEAR SIDE)**



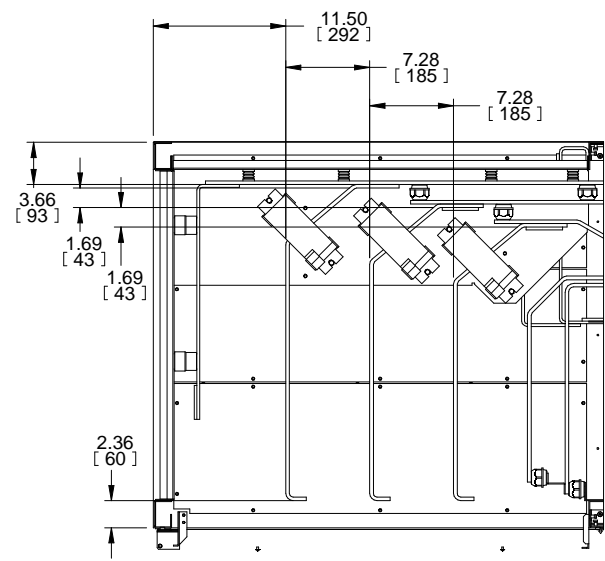
**AC BUSS**



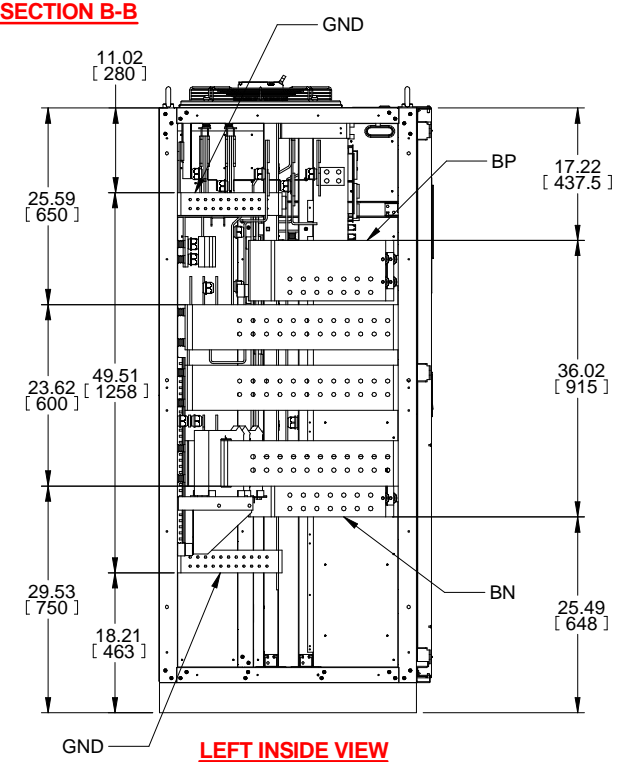
**SECTION D-D**



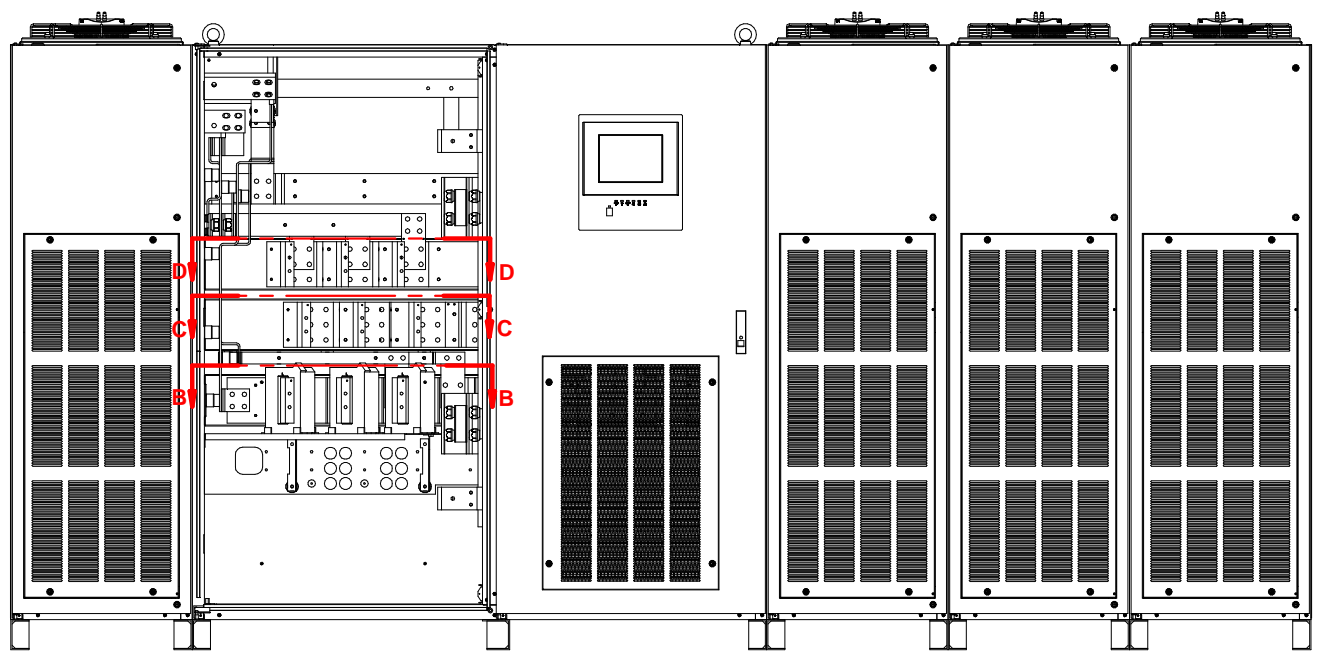
**SECTION C-C**



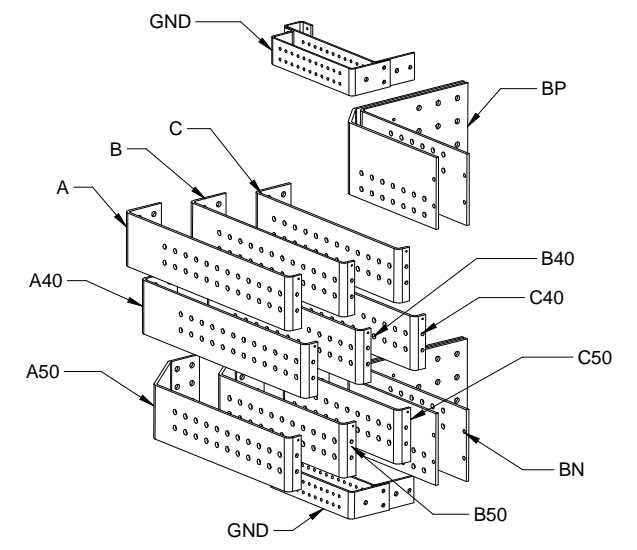
**SECTION B-B**



**LEFT INSIDE VIEW**



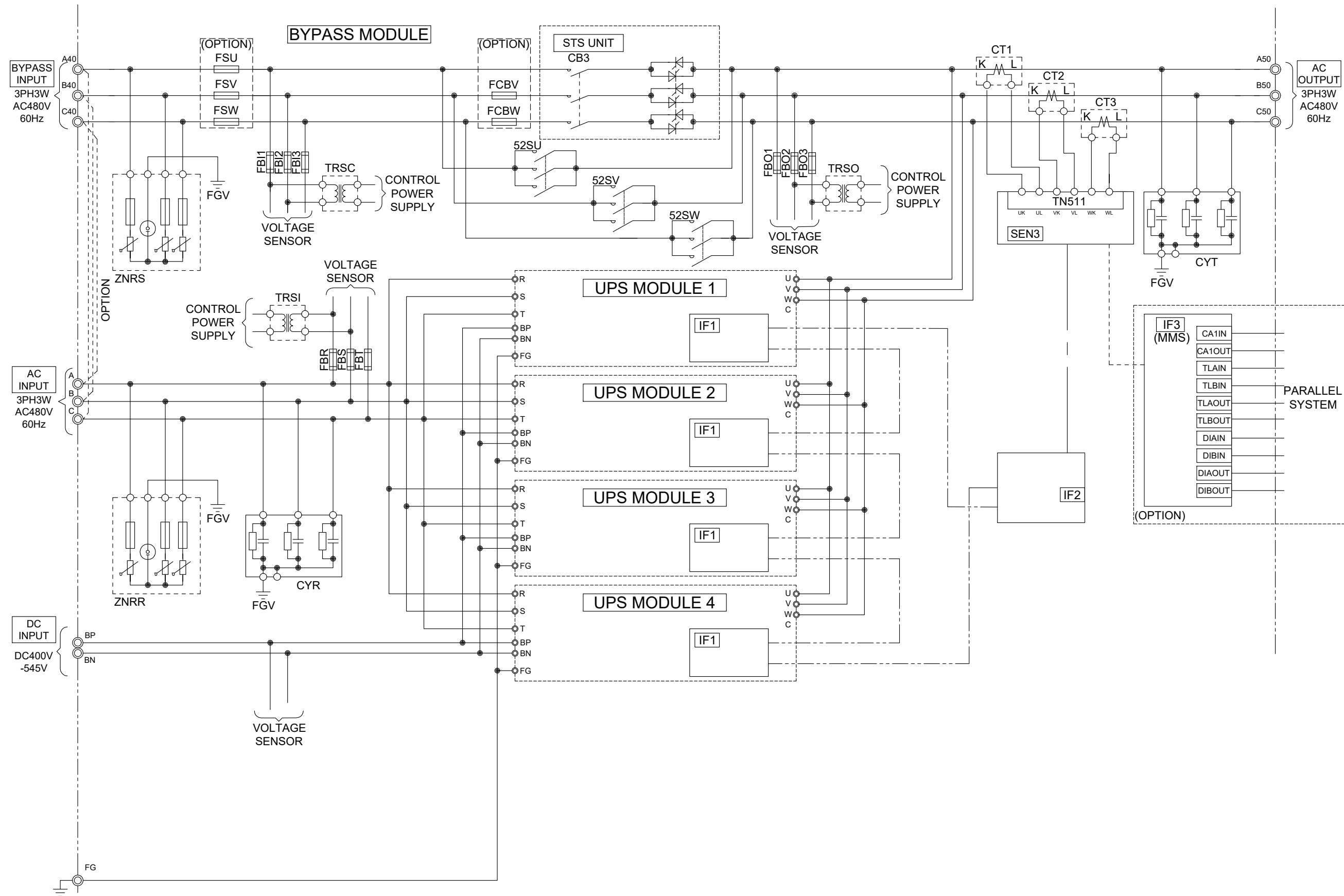
**FRONT INSIDE VIEW**



**FRONT-TOP-LEFT VIEW OF TERMINAL BUSS**

REVISIONS	DATE	BY
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4. ADDED UVR CONNECTION TO SHEET 6.	7/10/2020	J.MOTT
5. ADDED BUS HOLE DIAMETER AND THICKNESS DIMENSIONS.	7/16/2021	R.DURBIN
6. ADDED DIMS FOR CONDUIT ENTRY LOCATIONS.	2/16/22	J.MOTT
7. ADDED UVR VOLTAGE ON SHEET 6.	3/25/22	J.MOTT

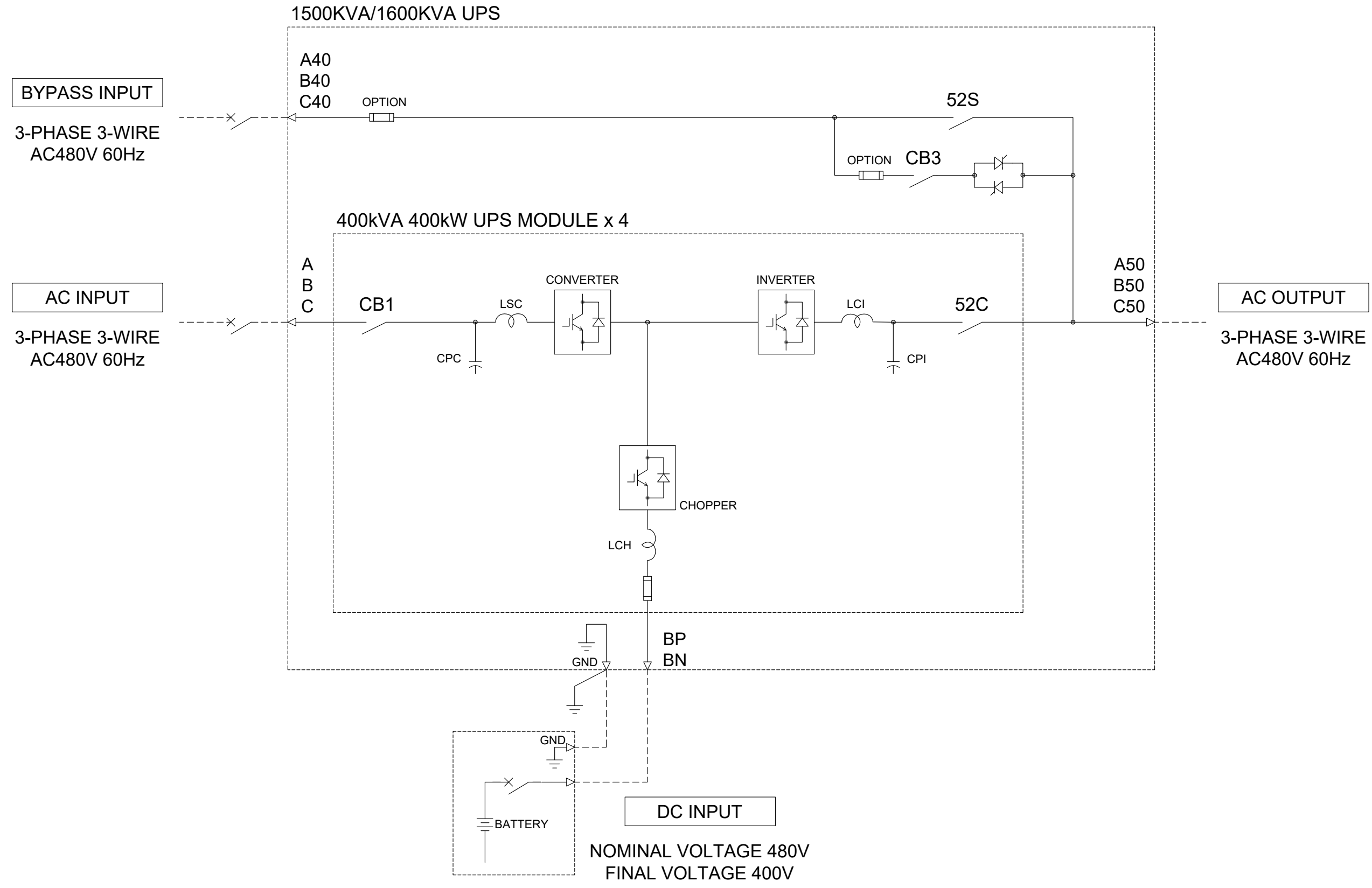
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<small>CORE/REFERENCE DRAWING (IF APPLICABLE)</small>		<small>TITLE</small> <b>9900D 1.5/1.6MVA OUTLINE DRAWING</b>		<small>SHEET 3 OF 6</small> <b>UD-101107</b>
			<small>REV.</small> <b>7</b>	



REVISIONS

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6. ADDED DIMS FOR CONDUIT ENTRY LOCATION. J.MOTT 2/16/22
7. ADDED 24VDC TO UVR ON SHEET 6. J.MOTT 3/25/2022

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CORE [REFERENCE] DRAWING				TITLE 9900D 1.5/1.6MVA OUTLINE DRAWING
			DWG. NO.	SHEET 4 OF 6
			REV.	UD-101107 7

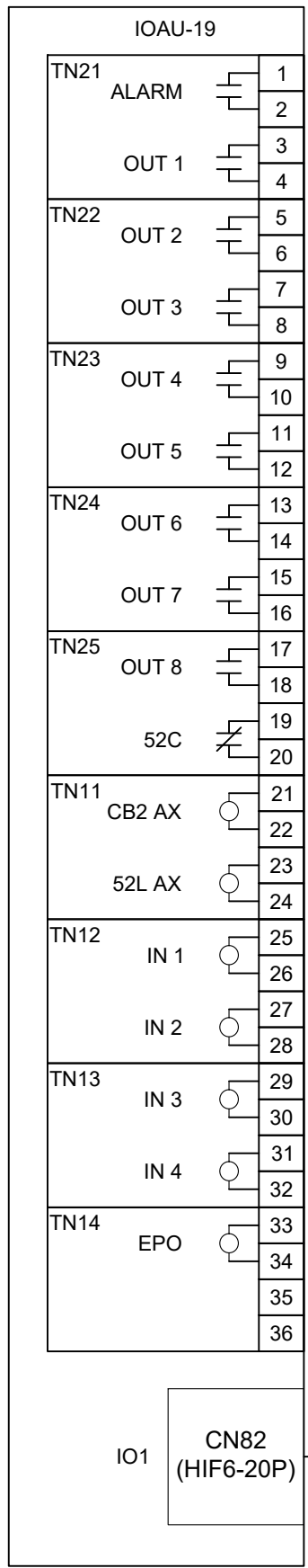


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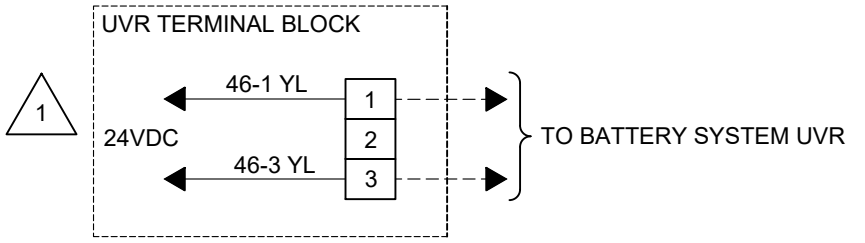
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				REV. <b>7</b>

I/O ASSIGNMENTS	
ALARM	SUMMARY ALARM
*OUT 1	LOAD ON BYPASS
*OUT 2	LOAD ON INVERTER
*OUT 3	BATTERY OPERATION
*OUT 4	CONVERTER OPERATION
*OUT 5	BATTERY LOW VOLTAGE
*OUT 6	OVERLOAD
*OUT 7	SPARE
*OUT 8	TOTAL ALARM
52C	52C CLOSED
CB2 AX	BATTERY BREAKER PANEL
52L AX	LOAD CIRCUIT SWITCH
*IN 1	REMOTE INVERTER START
*IN 2	REMOTE INVERTER STOP
*IN 3	BATTERY TEMP. HIGH
*IN 4	POWER DEMAND
EPO	REMOTE EPO
35/36	DO NOT USE

\*USER PROGRAMMABLE INPUT/OUTPUT



(OPTION)  
TO IO2:  
EXTERNAL I/O BOARD



1. UNITS THAT DO NOT INCLUDE AN INTERNAL CB2 CONTACTOR MUST USE A 24VDC UVR WITH THE BATTERY CABINET CIRCUIT BREAKER.

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