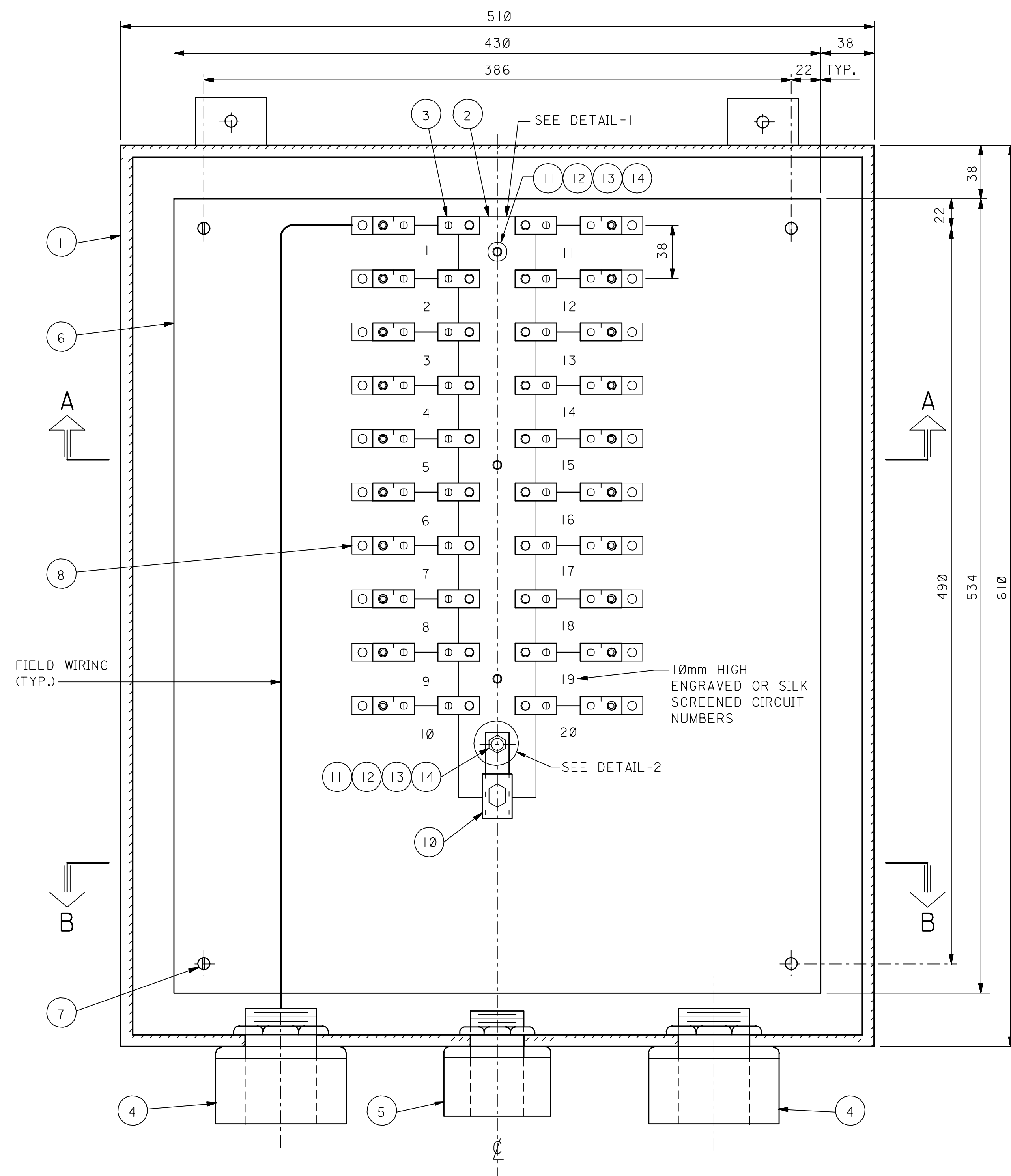
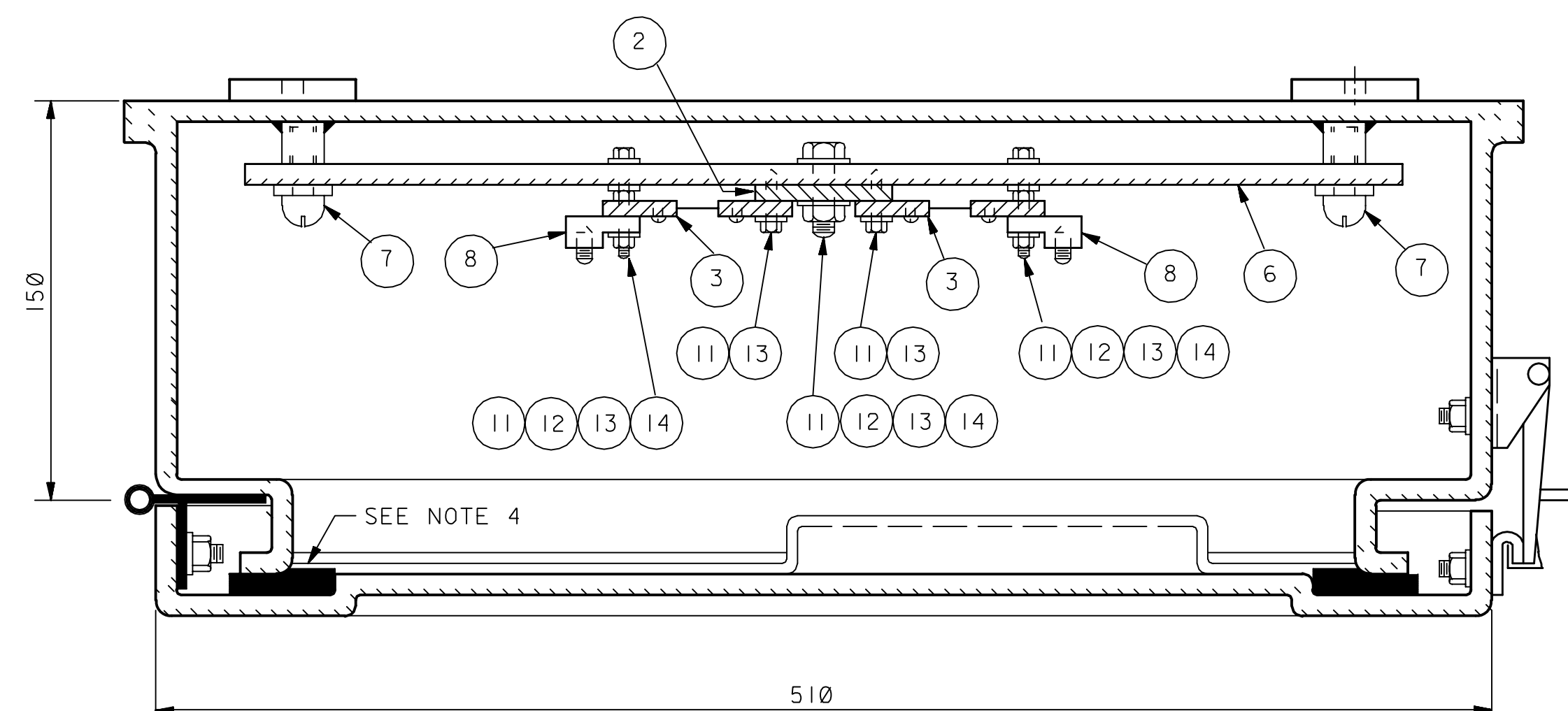


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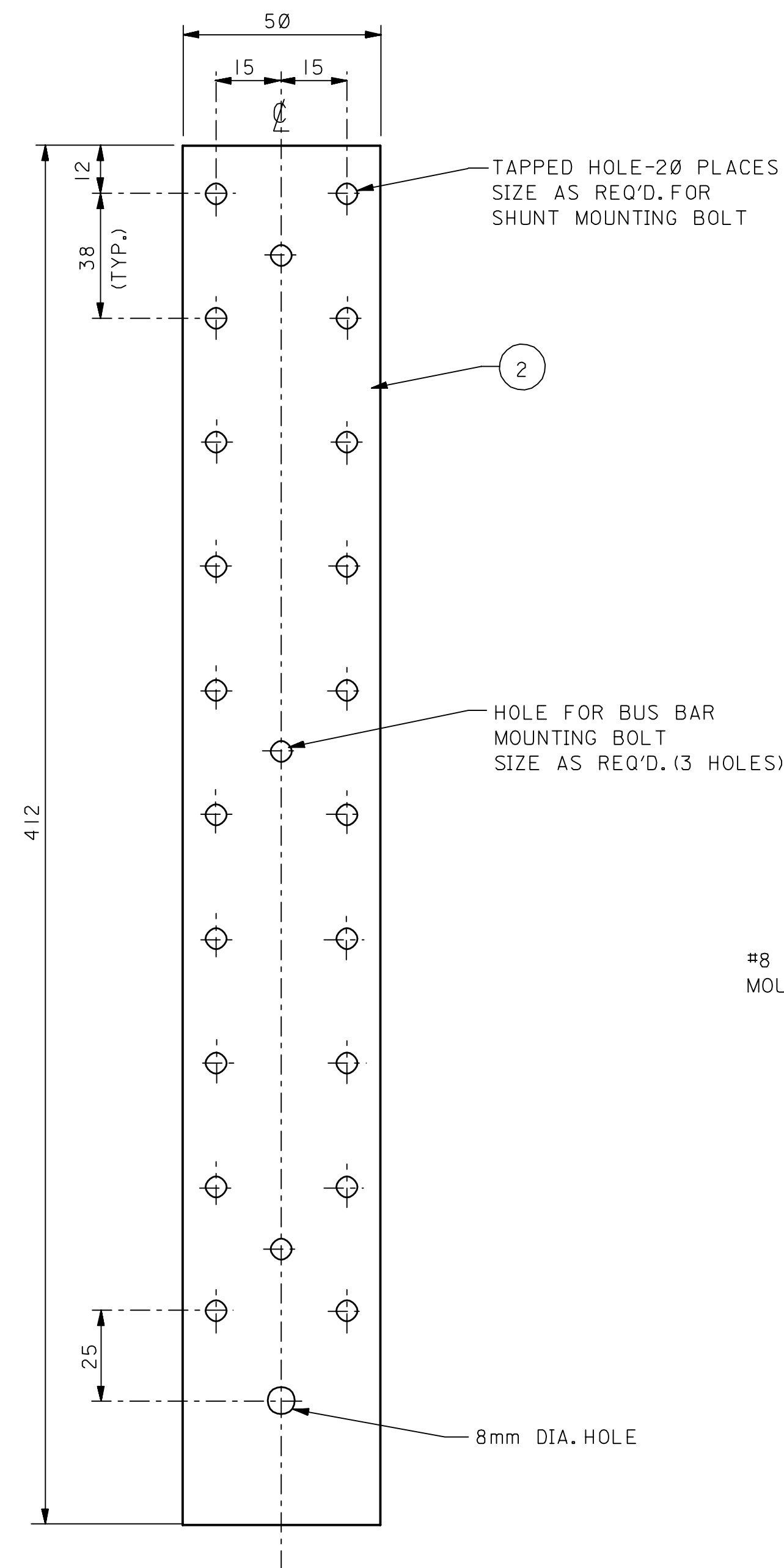


20 TERMINAL JUNCTION BOX

610 x 510 x 150
(SHOWN WITHOUT DOOR)

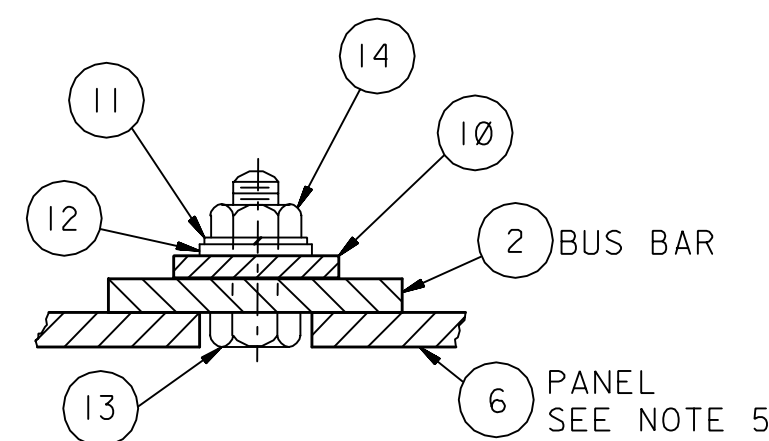


SECTION A-A

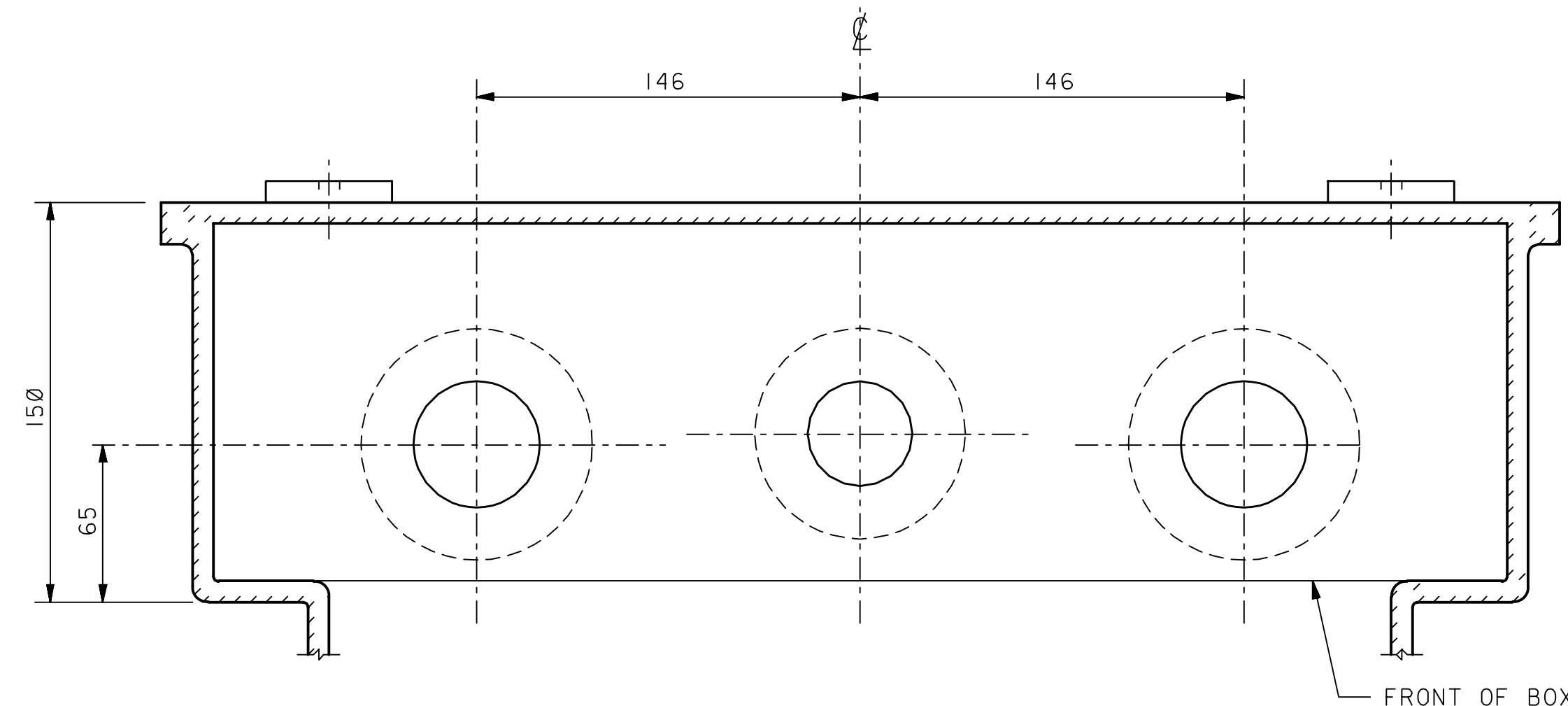


DETAIL - I

BUS BAR



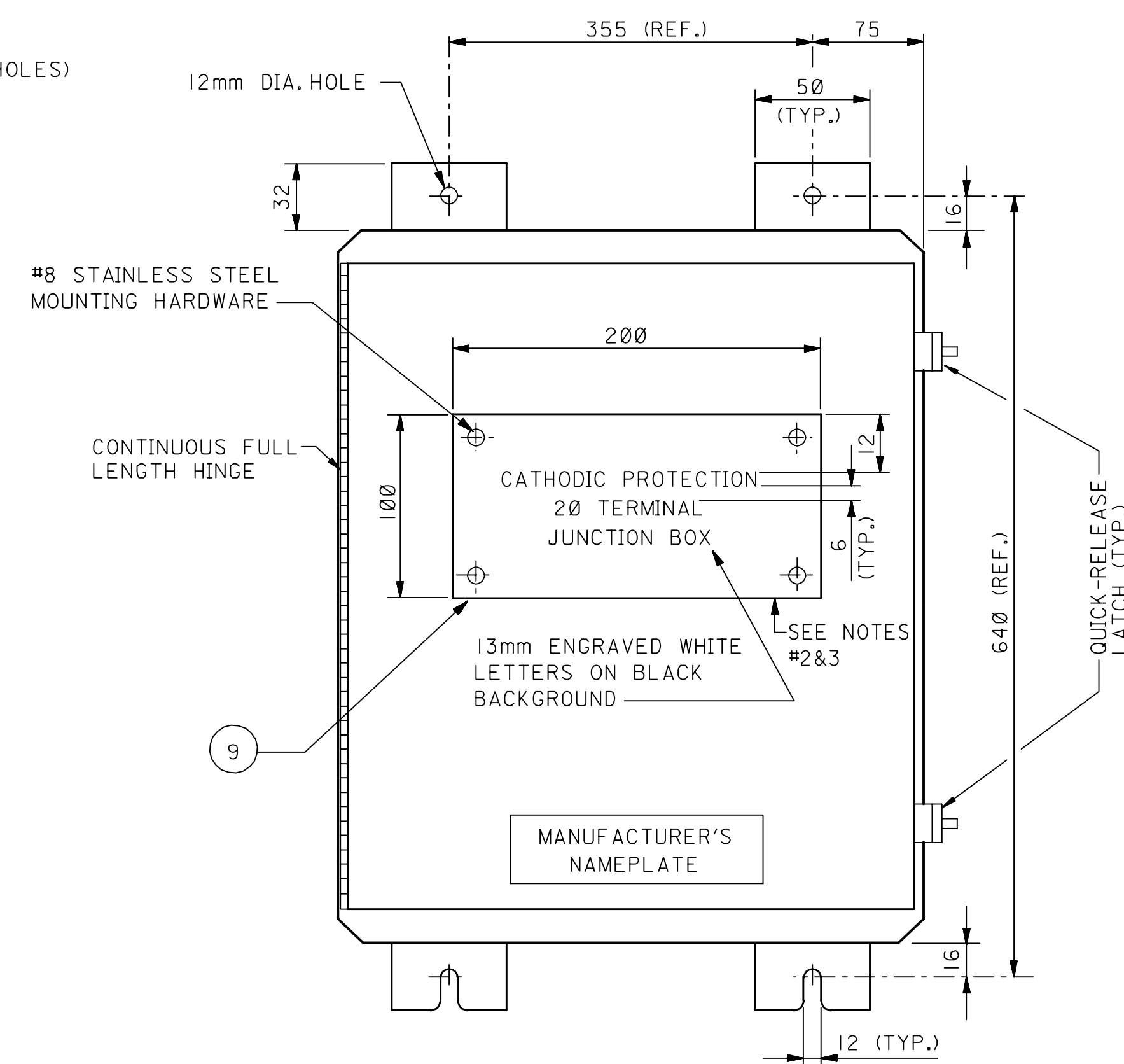
DETAIL-2



SECTION B-B
(SHOWN WITHOUT DOOR)

MATERIAL LIST	
CODE	DESCRIPTION
1	ENCLOSURE NEMA 4X: 510mm x 610mm x 150mm
2	BUS BAR: TINNED COPPER 6mm x 50mm x 412mm
3	SHUNT: 50 AMPS, 50 MV, ± 1% ACCURACY
4	HUB: CONDUIT; WHEATHER PROOF; 2"; WITH 'O' RING SEAL
5	HUB: CONDUIT; WHEATHER PROOF; 1½"; WITH 'O' RING SEAL
6	PANEL: 6mm x 430mm x 534mm; BLACK BAKELITE
7	PANEL: MOUNTING HARDWARE; SIZE AS REQUIRED
8	LUG: WIRE; 16mm ² (6 AWG) BURNDY TYPE QA OR EQUIVALENT
9	NAMEPLATE: 3mm; LAMINATED BAKELITE
10	CABLE LUG: 16mm ² TO 70mm ² (#6 AWG TO 2/0 AWG) BURNDY TYPE QA OR EQUIVALENT
11	LOCKWASHER: BRASS; SIZE AS REQUIRED
12	FLAT WASHER: BRASS; SIZE AS REQUIRED
13	BOLT: HEX. HEAD; BRASS; SIZE AS REQUIRED
14	NUT: HEX. HEAD; BRASS; SIZE AS REQUIRED

- NOTES:**
1. THE ENCLOSURE SHALL BE IN ACCORDANCE WITH MATERIAL SPECIFICATION 17-SAMSS-008.
 2. DUPLICATE NAMEPLATE SHALL BE MOUNTED ON THE INSIDE OF THE ENCLOSURE DOOR.
 3. 13mm ENGRAVED BLACK LETTERS ON WHITE BACKGROUND OR 13mm ENGRAVED WHITE LETTERS ON BLACK BACKGROUND MAY BE USED.
 4. DRIP PROOF CONSTRUCTION SHOWN IS PREFERRED BUT NOT MANDATORY.
 5. HOLE IN PANEL REQUIRED FOR BOLT HEAD OF LUG BOLT.
 6. THIS TERMINAL BOX IS AVAILABLE IN ALUMINUM THROUGH SAMSS UNDER S/N 1000073608 AS A COMPLETE ASSEMBLY.
 7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 8. FOR MOUNTING SUPPORT DETAILS REFER TO STANDARD DRAWING AB-036540.
 9. ALL BRASS HARDWARE SHALL BE 1/4"-20 MINIMUM SIZE.
 10. ZINC CONTENT OF BRASS HARDWARE SHALL NOT EXCEED 16%.
 11. THIS BOX MAY BE USED IN CLASS I DIV. II AREAS WHEN USED AS SHOWN AND NO SWITCHES OR RESISTORS ARE ADDED.
 12. FOR NON-METALLIC BOXES ANY METAL HARDWARE SHALL BE 300 SERIES STAINLESS STEEL.
 13. IF THE ENCLOSURE IS NOT UL LISTED AND CERTIFIED TO NEMA 4X, THE DESIGN OF THE ENCLOSURE MUST BE APPROVED IN WRITING BY THE RSA FOR CATHODIC PROTECTION MATERIALS.



OUTSIDE NAMEPLATE & MOUNTING EARS DETAIL

REFERENCE DRAWINGS	
MOUNTING SUPPORT DETAILS FOR JUNCTION BOXES	AB-036540

DRAWING RESPONSIBILITY:						
CATHODIC PROTECTION STD. COMMITTEE						
09	0CT98	EDSD WED	REVISED SECTION A-A AND NOTES		ORIG. SIGNED	ORIG. SIGNED
09	MAY94	ESSD RCR	REVISED 20 TERMINAL JUNCTION BOX DETAIL, MAT'L LIST & ADDED DETAIL-2.		ORIG. SIGNED	ORIG. SIGNED
07	JAN93	ESSD DIT	GENERAL REVISION		ORIG. SIGNED	ORIG. SIGNED
10	SEP03	CSO MAL	REVISED NOTE 6 AND SECTION A-A.		ORIG. SIGNED	ORIG. SIGNED
REV.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT. APPD.

SAUDI ARABIAN OIL COMPANY	
DRAWN BY <u>R.C.VALERIO</u>	CHECKED BY _____ SCALE: <u>NONE</u>
DATE STARTED _____	DATE COMPLETED _____
OPR'G. DEPT. _____	ENG. DEPT. _____
APP'D. FOR CONST. _____	

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED BY _____ DATE _____
CATHODIC PROTECTION	
JUNCTION BOX - 2Ø TERMINAL	

STD. DWG.				METRIC	
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