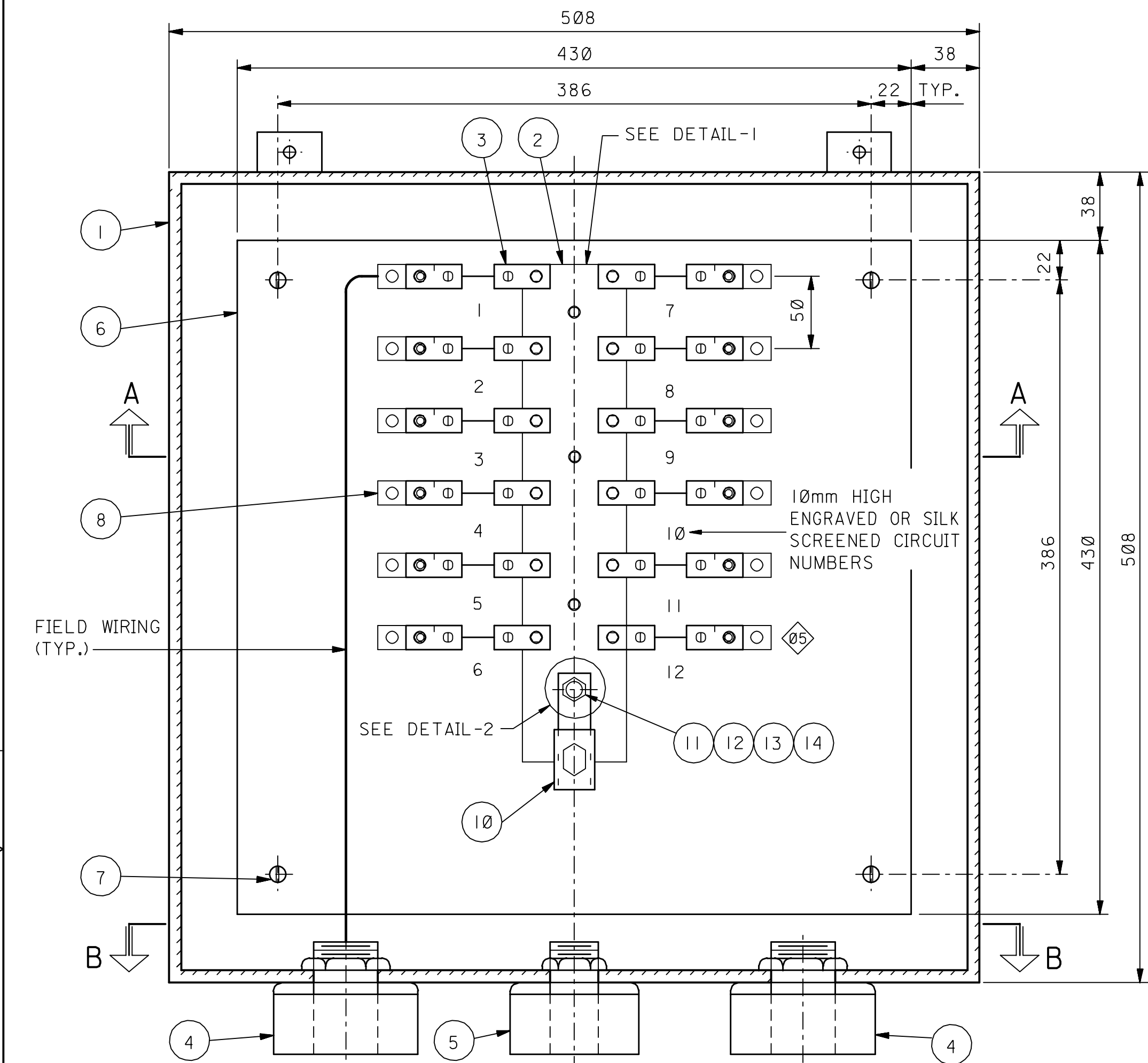
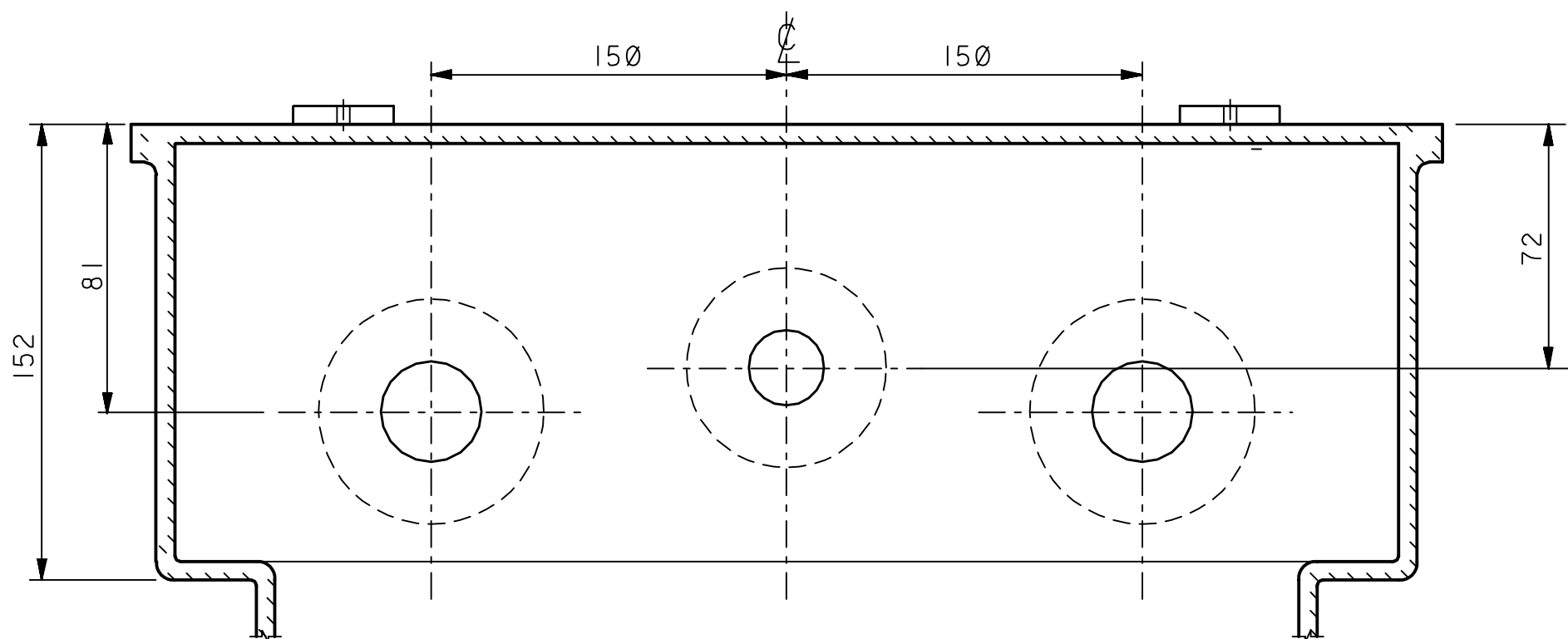


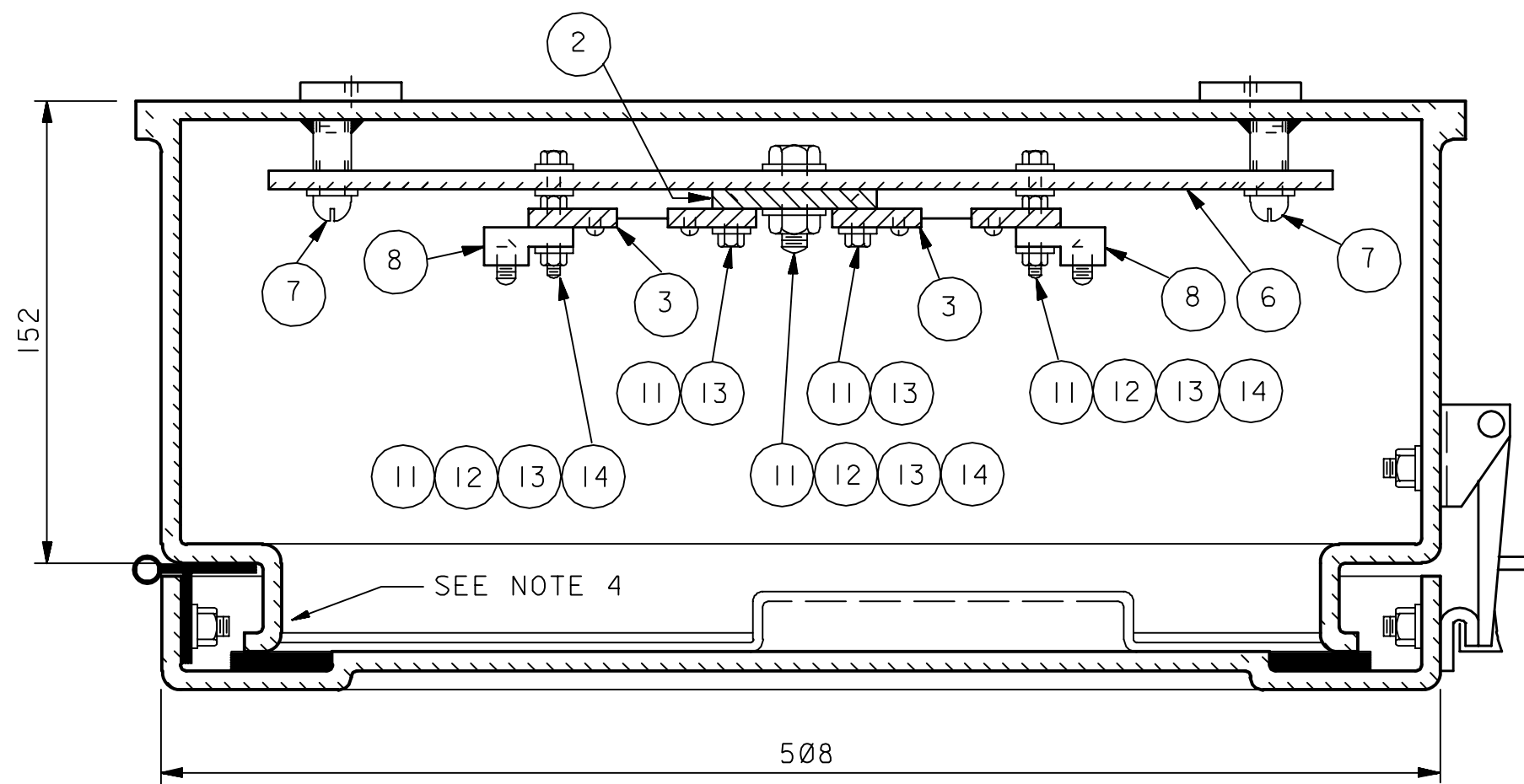


12 TERMINAL JUNCTION BOX

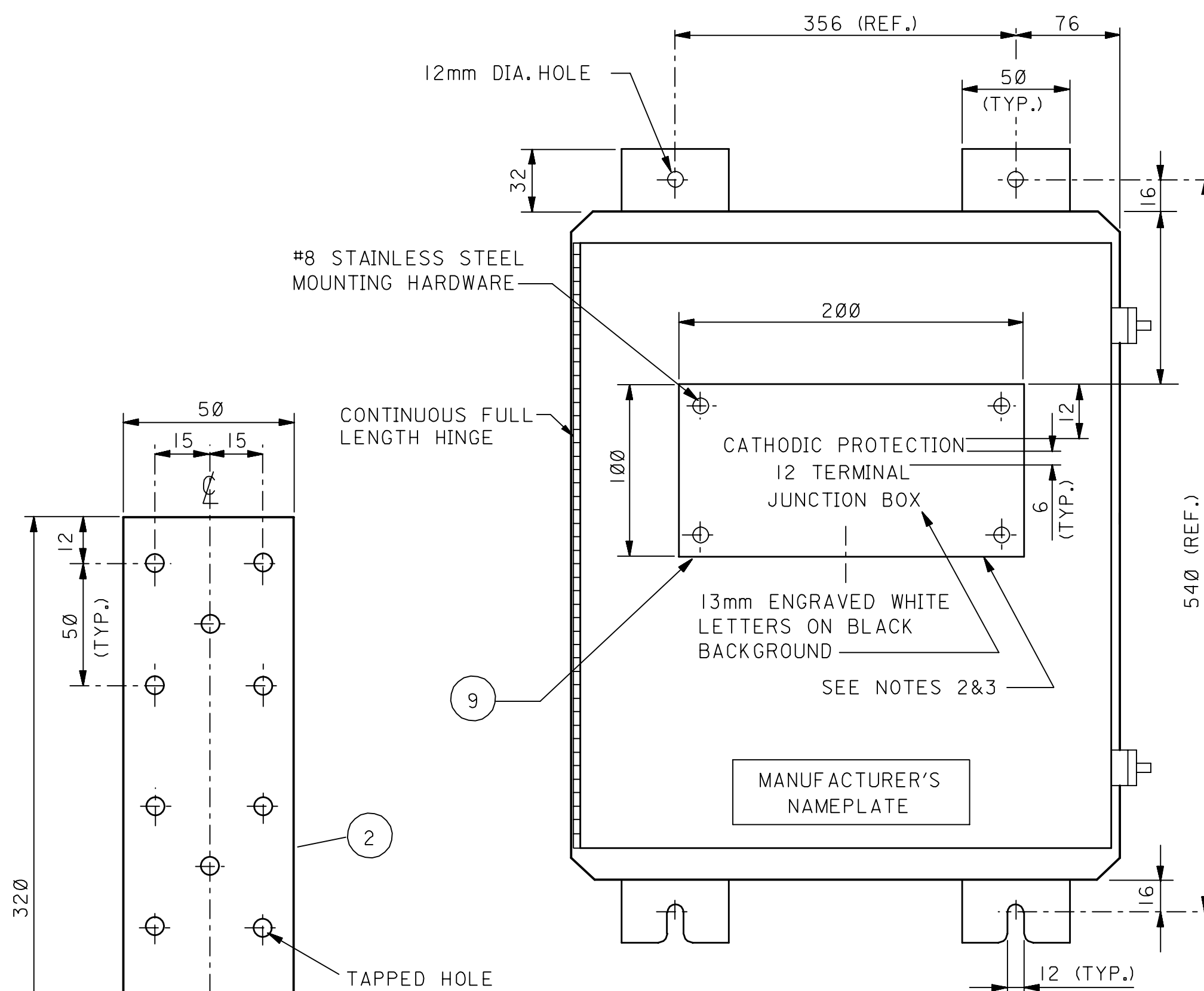
508 x 508 x 152
(SHOWN WITHOUT DOOR)



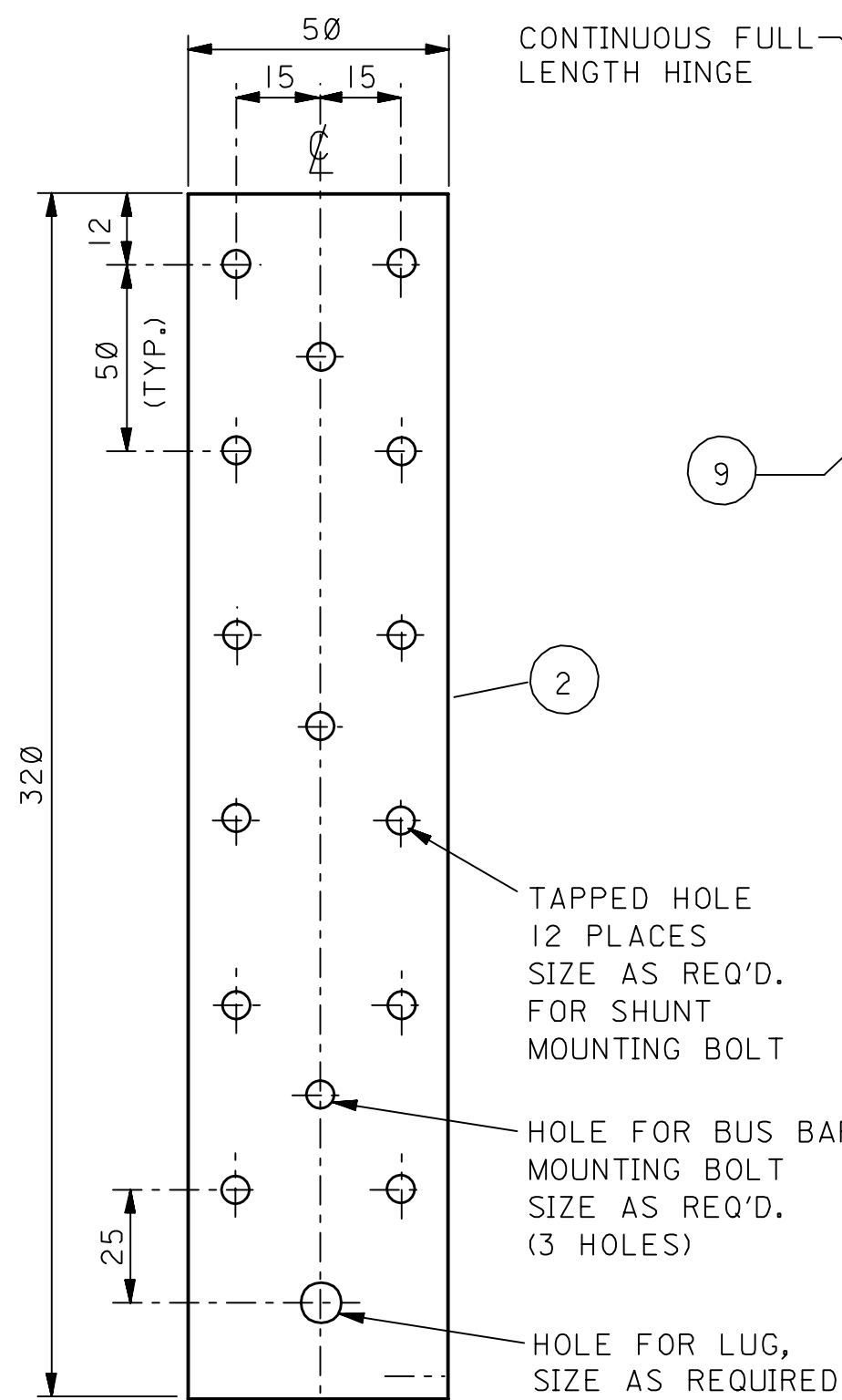
SECTION B-B



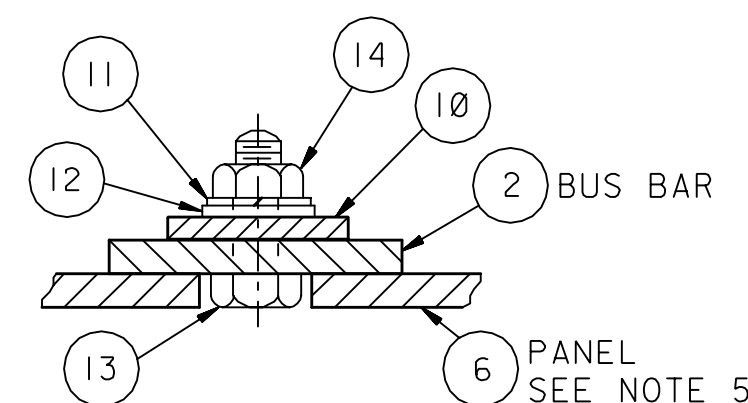
SECTION A-A



OUTSIDE NAMEPLATE AND MOUNTING EARS DETAIL



DETAIL-1 BUS BAR



DETAIL-2

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 1000073583 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.

MATERIAL LIST

CODE	DESCRIPTION
1	ENCLOSURE NEMA 4X; 508mm x 508mm x 152mm
2	BUS BAR; TINNED COPPER; 6mm x 50mm x 320mm
3	SHUNT: 50 AMPS, 50 MV, $\pm 1\%$ ACCURACY
4	ALUMINUM HUB; CONDUIT; WHEATHER PROOF; 2"; WITH 'O' RING SEAL
5	ALUMINUM HUB; CONDUIT; WHEATHER PROOF; 1 1/2"; WITH 'O' RING SEAL
6	PANEL: 6mm x 430mm x 430mm; BLACK BAKELITE
7	HARDWARE: PANEL MOUNTING; SIZE AS REQ'D.
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

REFERENCE DRAWING

JUNCTION BOX MOUNTING SUPPORT DETAILS	AB-036540
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DRAWING RESPONSIBILITY: CATHODIC PROTECTION STD. COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
07	OCT98	EDSD WED		REVISED SECTION A-A AND NOTES	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
06	MAY94	ESSD RCR		REVISED 12 TERMINAL JUNCTION DETAIL, MATERIAL LIST AND ADDED DETAIL-2.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
05	MAY92	ESSD CAJ		REVISED AS PER MARK UP.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
08	SEP03	CSD MNL		REVISED NOTE 6 AND SECTION A-A.			

SAUDI ARABIAN OIL COMPANY

DRAWN BY	NAEEM	CHECKED BY		SCALE	NONE
DATE STARTED		DATE COMPLETED			
OPR'G. DEPT.		ENG. DEPT.			
APP'D FOR CONSTR.					

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED	BY		DATE	
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CATHODIC PROTECTION JUNCTION BOX - 12 TERMINAL

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
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990	X	AB-036275	001	08
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