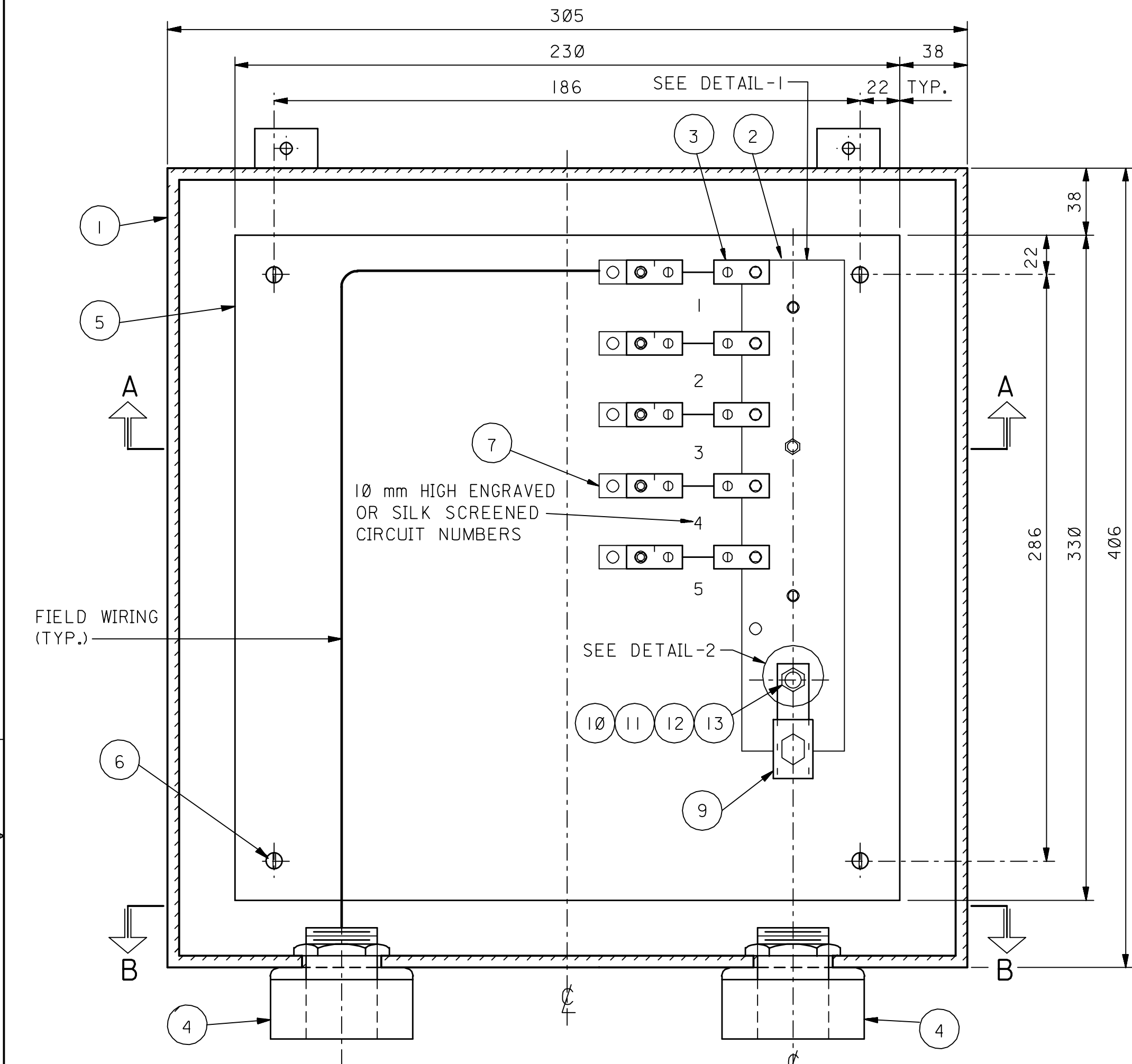
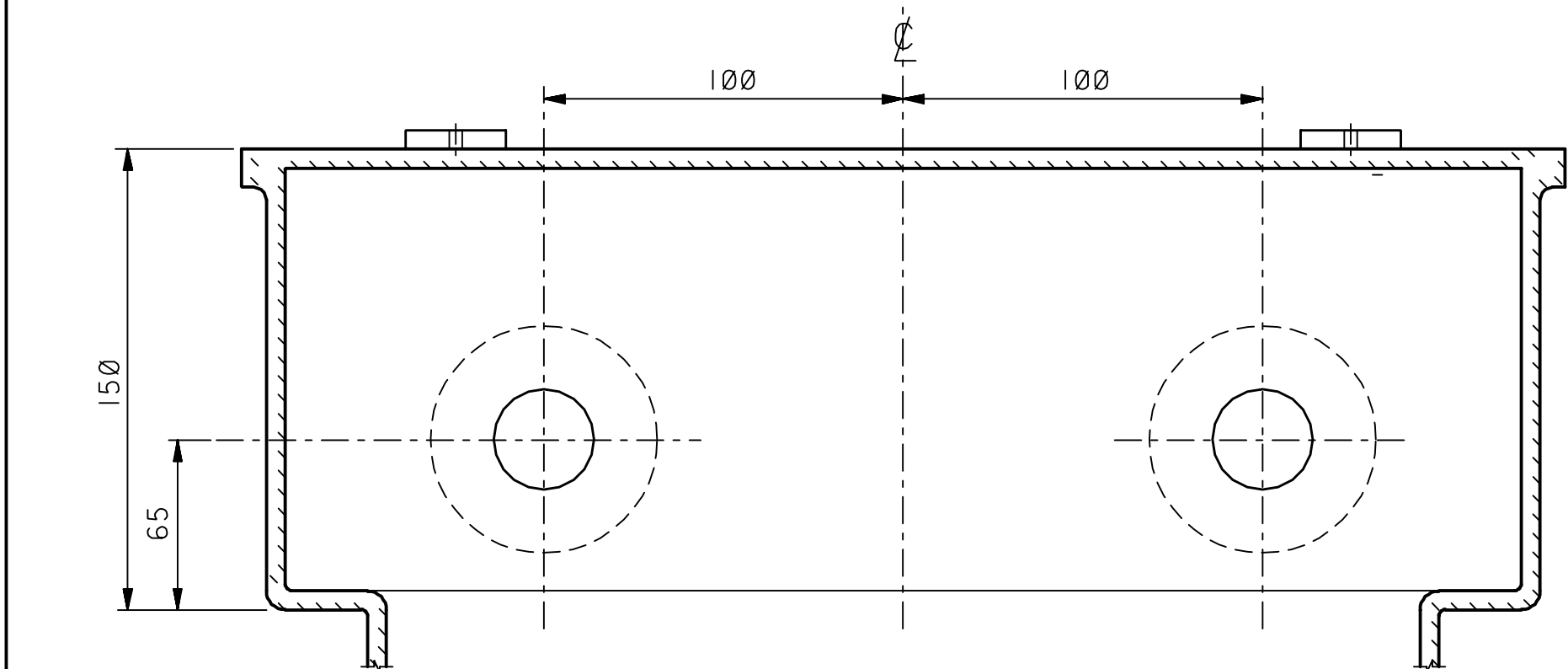


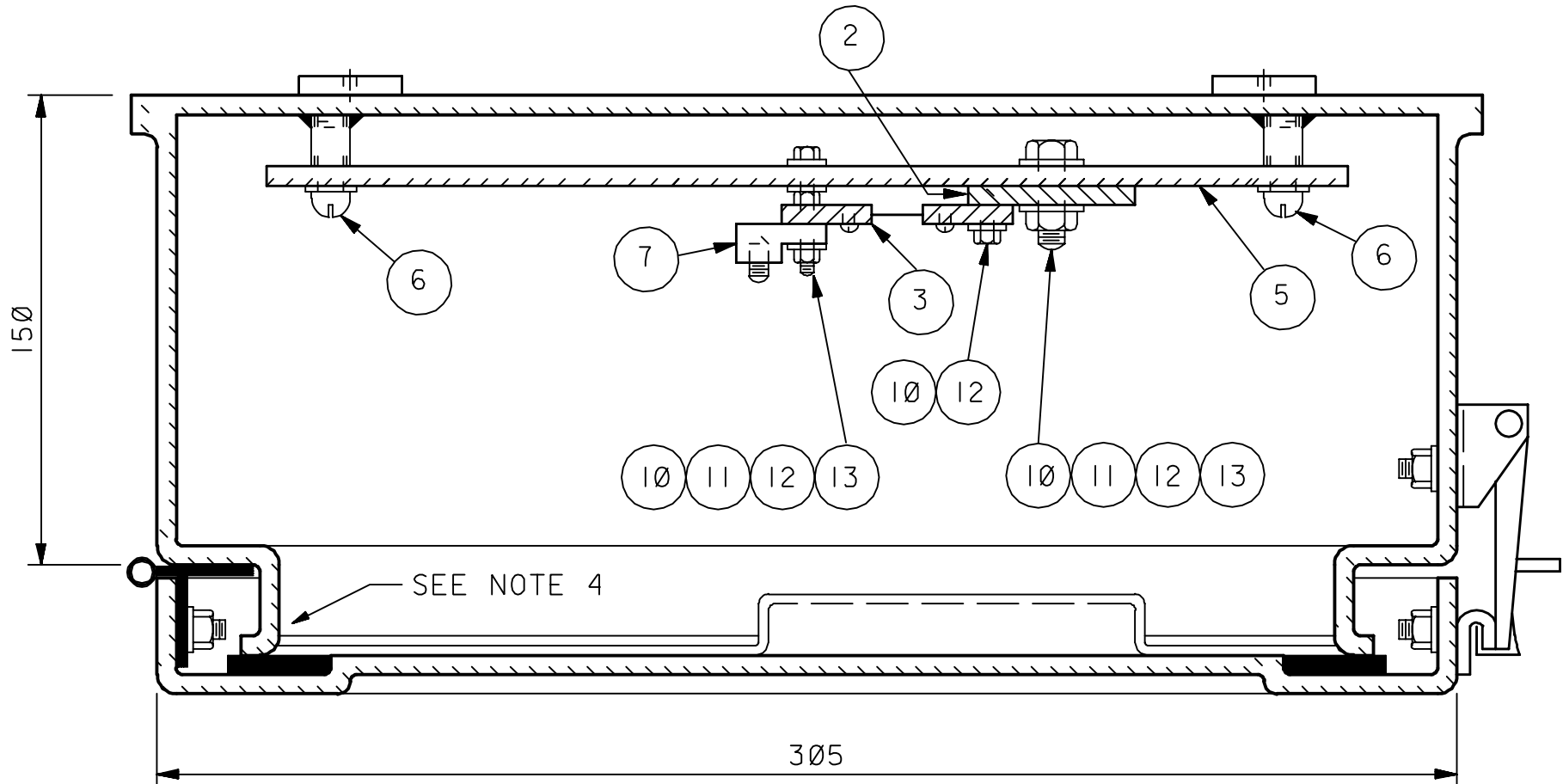
80	001	474	AB-03627	X	990
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	



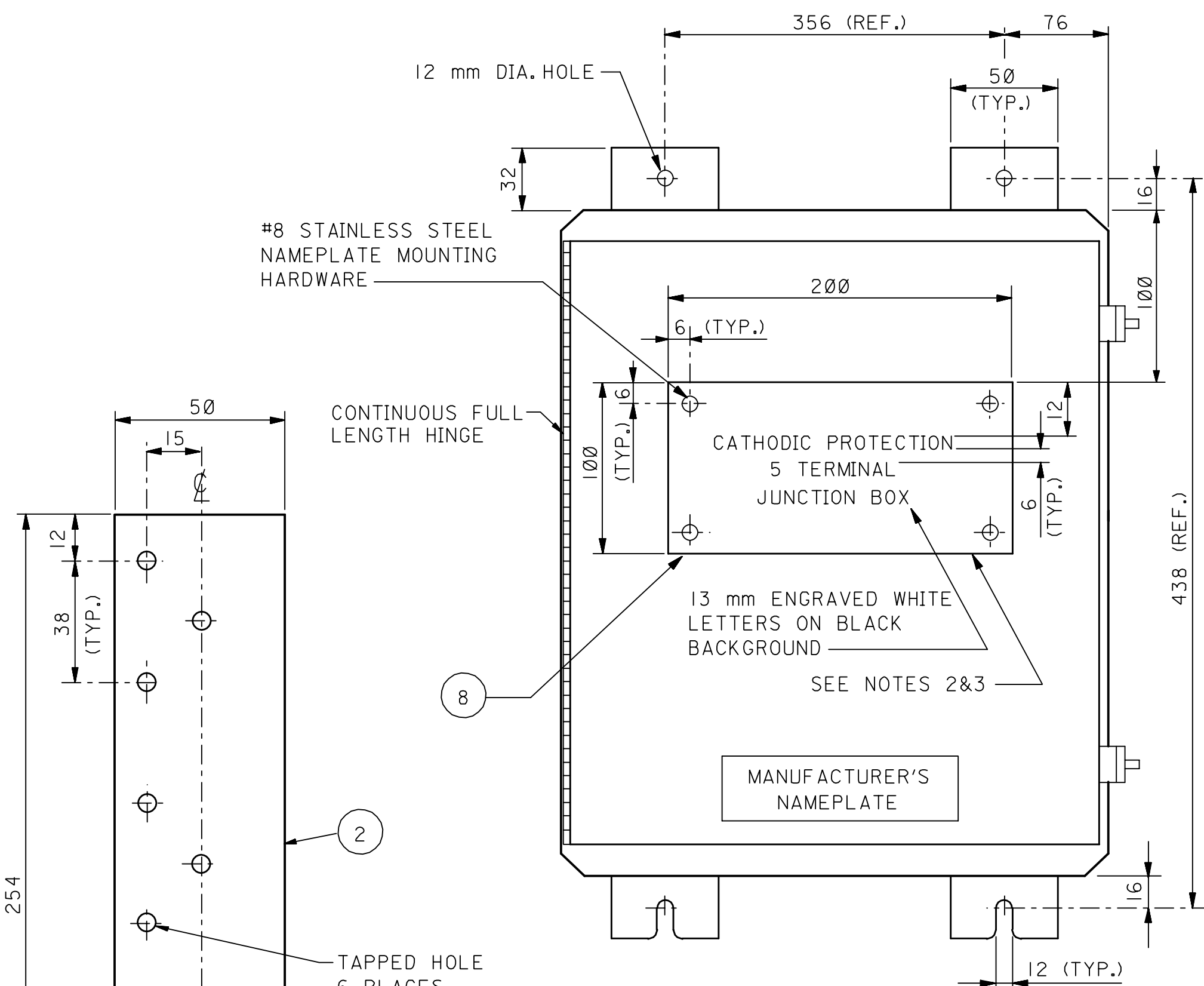
5 TERMINAL JUNCTION BOX
406 x 305 x 150
(SHOWN WITHOUT DOOR)



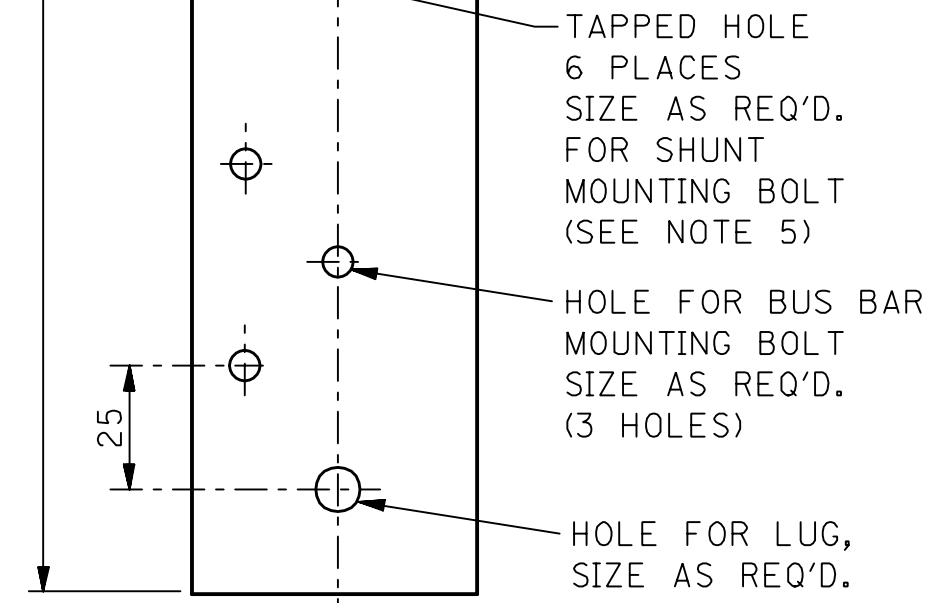
SECTION B-B



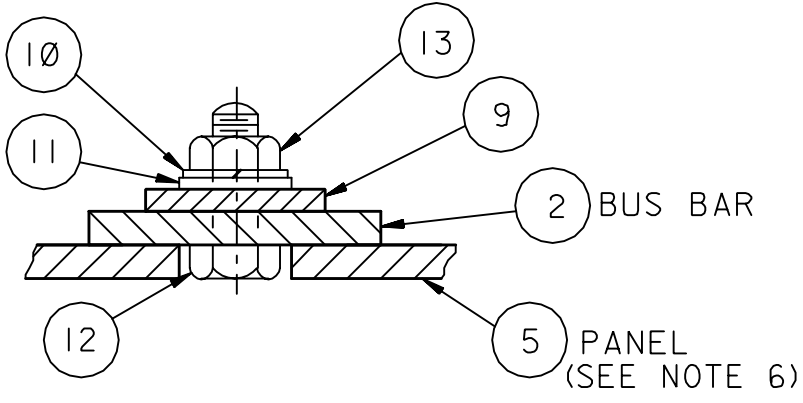
SECTION A-A



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. AN ADDITIONAL SHUNT (ITEM 3) MAY BE ADDED AS REQUIRED.
 6. HOLE IN PANEL REQUIRED FOR BOLT HEAD OF LUG BOLT.
 7. THIS TERMINAL BOX IS AVAILABLE IN ALUMINUM THROUGH SAMSS UNDER S/N 1000073607 AS A COMPLETE ASSEMBLY.
 8. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 9. FOR MOUNTING SUPPORT DETAILS REFER TO STANDARD DRAWING AB-036540.
 10. ALL BRASS HARDWARE SHALL BE 1/4"-20 MINIMUM SIZE.
 11. ZINC CONTENT OF BRASS HARDWARE SHALL NOT EXCEED 16%.
 12. THIS BOX MAY BE USED IN CLASS I DIV. II AREAS WHEN USED AS SHOWN AND NO SWITCHES OR RESISTORS ARE ADDED.
 13. FOR NON-METALLIC BOXES ANY METAL HARDWARE SHALL BE 300 SERIES STAINLESS STEEL.
 14. 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; 305 mm x 406 mm x 150 mm
2	BUS BAR: TINNED COPPER; 6 mm x 50 mm x 254 mm
3	SHUNT: 50 AMPS, 50 MV, ± 1% ACCURACY
4	ALUMINUM HUB: CONDUIT; WHEATHER PROOF; 2"; WITH 'O' RING SEAL
5	PANEL: 6 mm x 230 mm x 330 mm; BLACK BAKELITE
6	HARDWARE: PANEL MOUNTING; SIZE AS REQ'D.
7	LUG: WIRE; 16 mm ² (#6 AWG) BURNDY TYPE QA OR EQUIVALENT
8	NAMEPLATE: 3 mm; LAMINATED BAKELITE
9	CABLE LUG: 16mm ² TO 70mm ² (#6AWG TO 2/0 AWG) BURNDY TYPE QA OR EQUIVALENT.
10	LOCKWASHER: BRASS; SIZE AS REQUIRED
11	FLAT WASHER: BRASS; SIZE AS REQUIRED
12	BOLT: HEX. HEAD; BRASS; SIZE AS REQUIRED
13	NUT: HEX. HEAD; BRASS; SIZE AS REQUIRED

REFERENCE DRAWING	
JUNCTION BOX MOUNTING SUPPORT DETAILS	AB-036540

DRAWING RESPONSIBILITY:							
CATHODIC PROTECTION STD. COMMITTEE							
07	OCT98	EDSD WED		REVISED SECTION A-A AND NOTES	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
06	MAY94	ESSD RCR		REVISED DETAIL -1, 5. TERMINAL JUNCTION BOX DETAIL, MATERIAL LIST & ADDED DETAIL -2.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
05	APR92	ESSD CMC		REVISED DIMENSIONS.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
08	SEP03	CSD MNL		REVISED NOTE 7 AND SECTION A-A.			
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY					
DRAWN BY <u>NAEEM</u>		CHECKED BY _____		SCALE <u>NONE</u>	
DATE STARTED <u>04-18-86</u>		DATE COMPLETED <u>04-20-86</u>			
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 _____		
CATHODIC PROTECTION JUNCTION BOX - 5 TERMINAL					
STD. DWG.			METRIC		
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	
990	X	AB-036274	001	08	