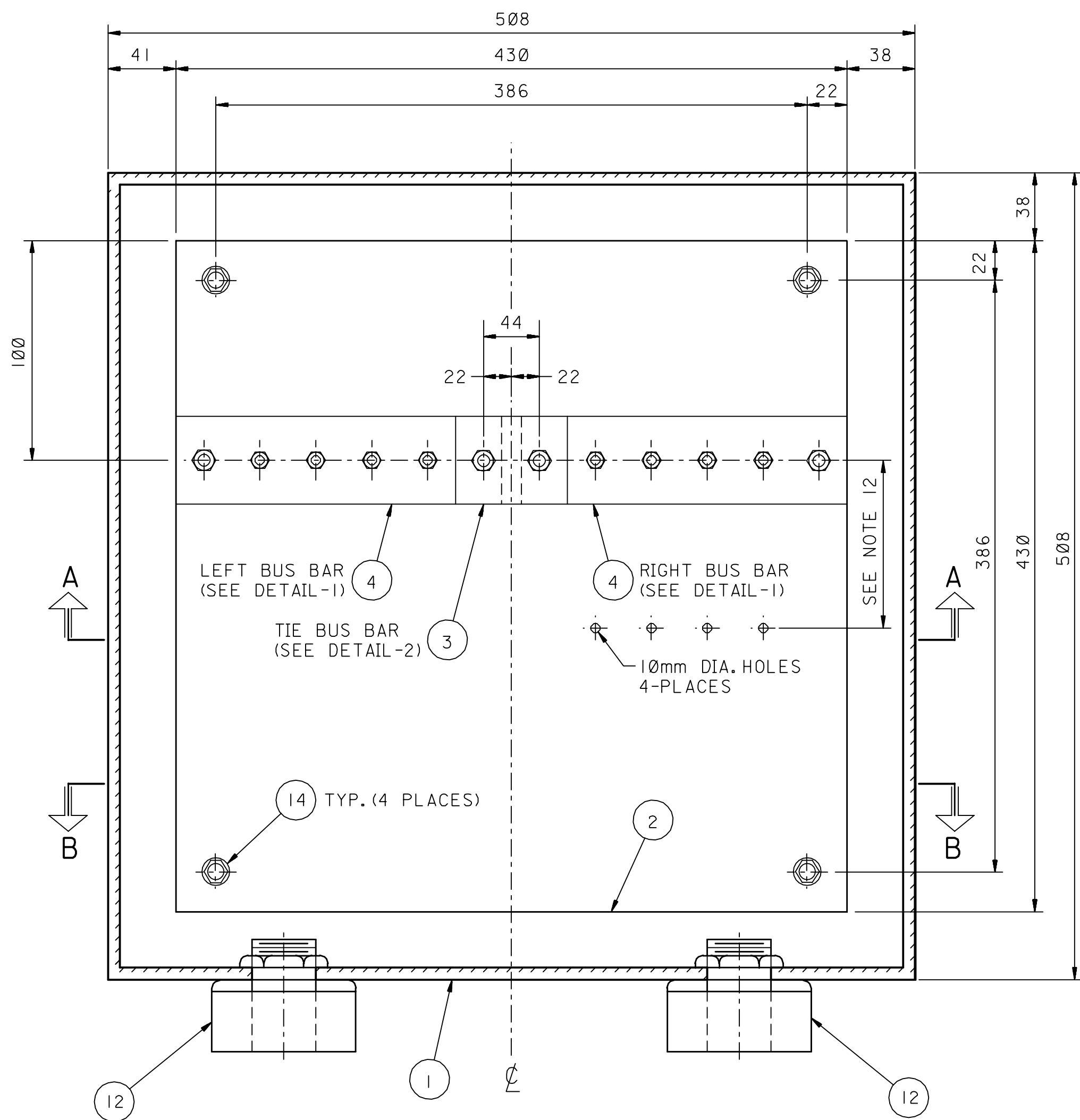
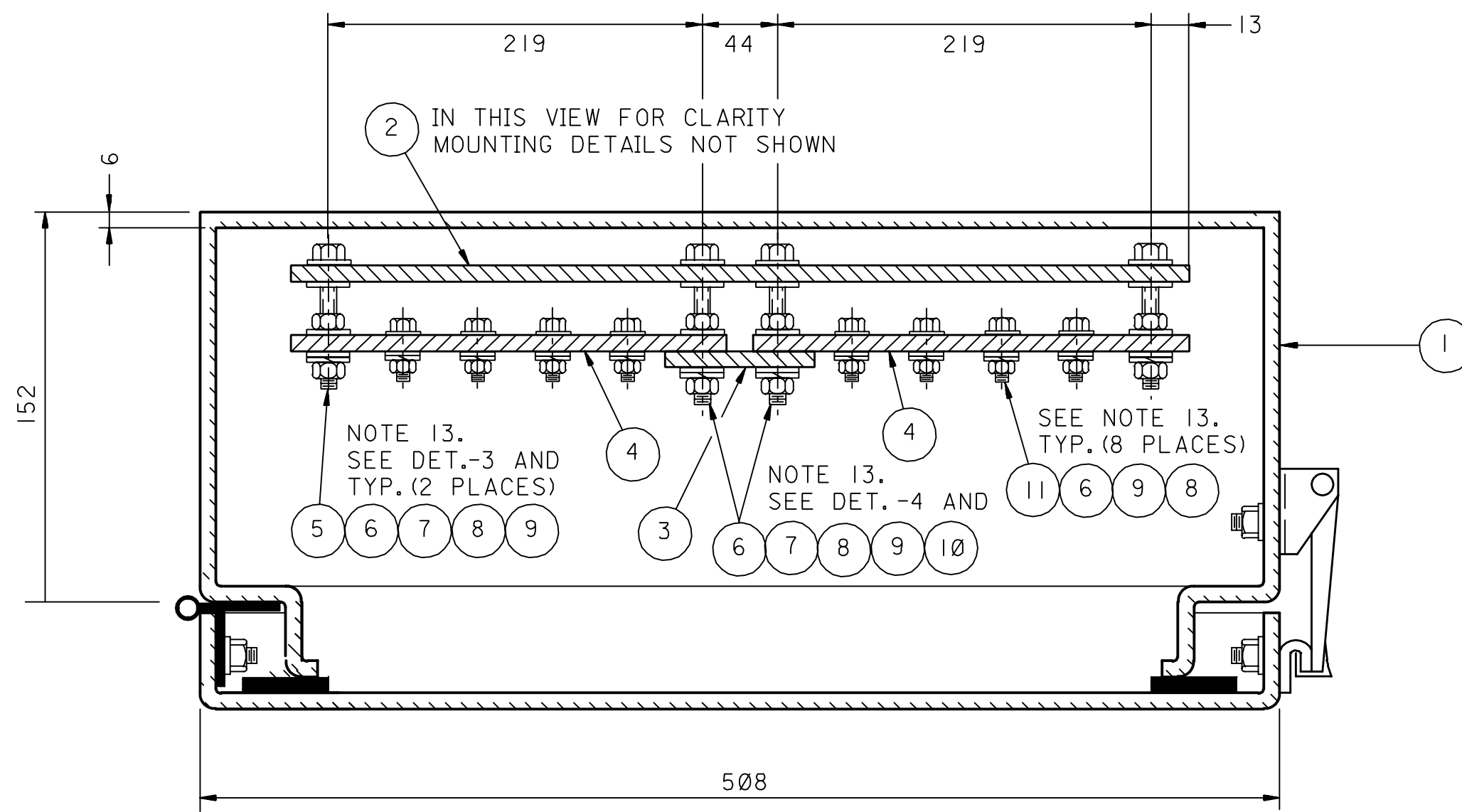


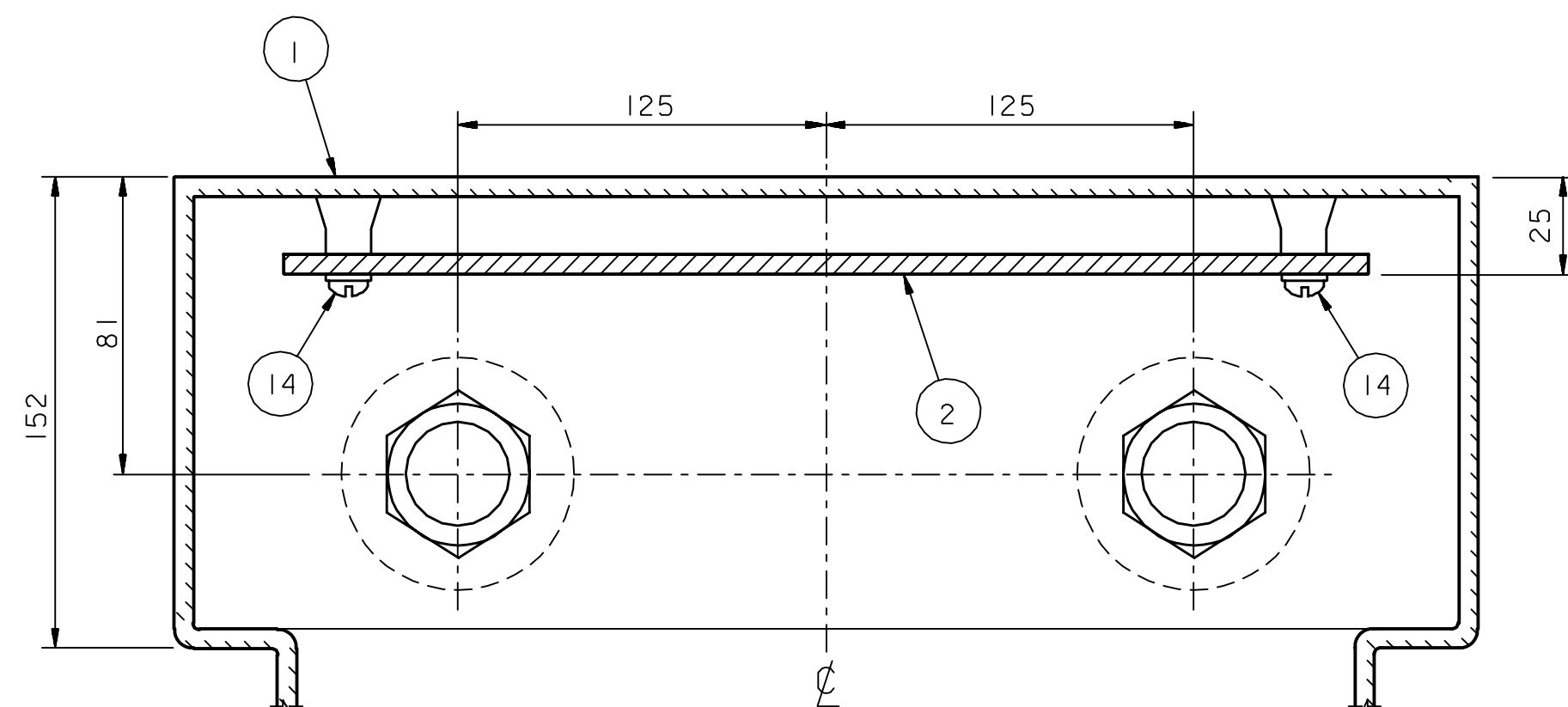
80	001	00	6	AA-036276	X	069
PLANT NO.	INDEX	PLANT NO.	INDEX	PLANT NO.	INDEX	PLANT NO.
REV. NO.	REV. NO.	REV. NO.	REV. NO.	REV. NO.	REV. NO.	REV. NO.



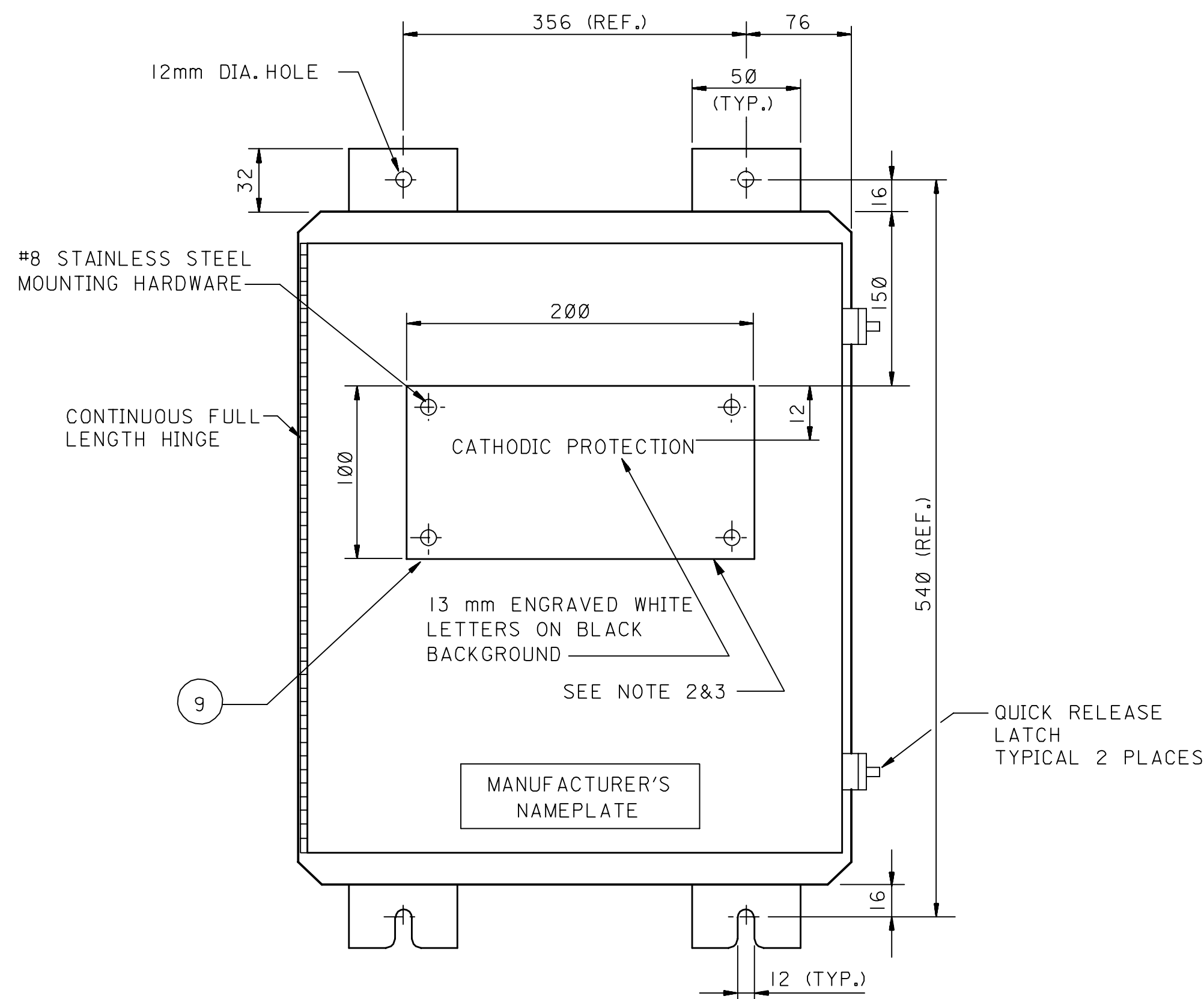
MULTI-PURPOSE JUNCTION BOX
508 x 508 x 152
(SHOWN WITHOUT DOOR)



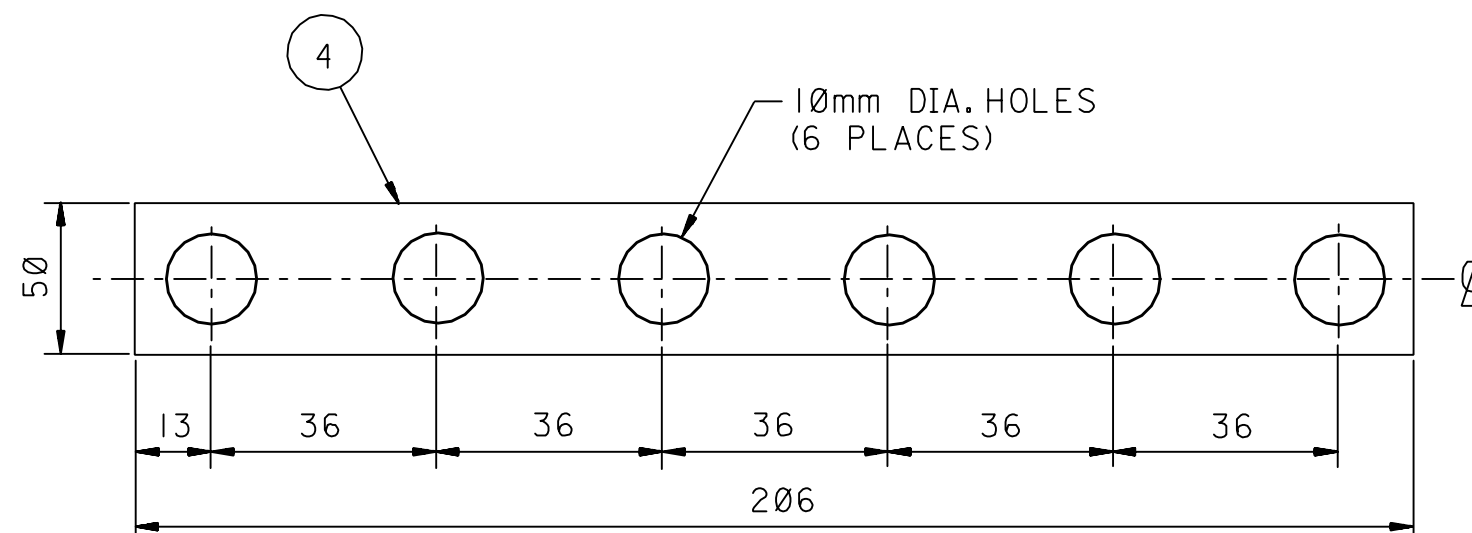
SECTION A-A



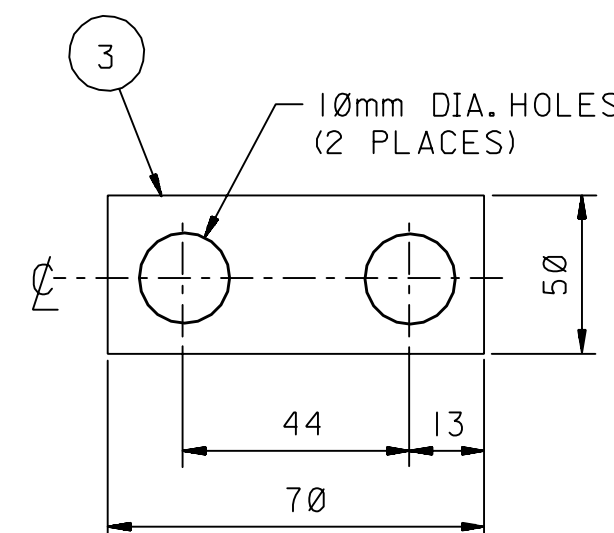
SECTION B-B
(SHOWN WITHOUT DOOR)



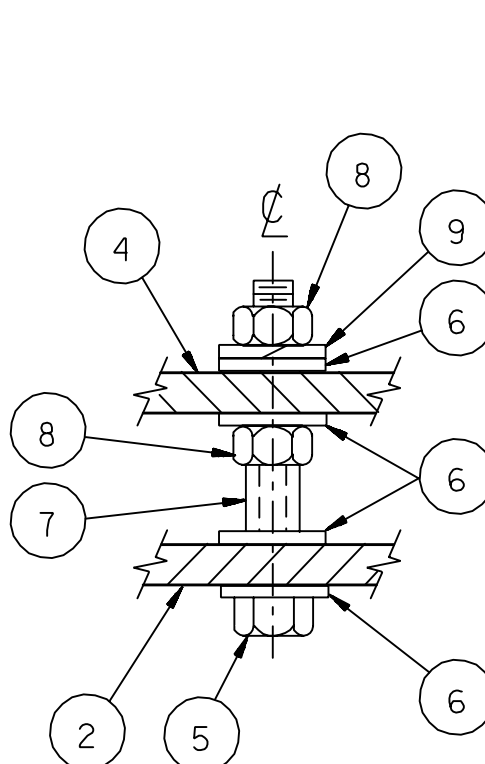
**OUTSIDE NAMEPLATE AND
MOUNTING EARS DETAIL**



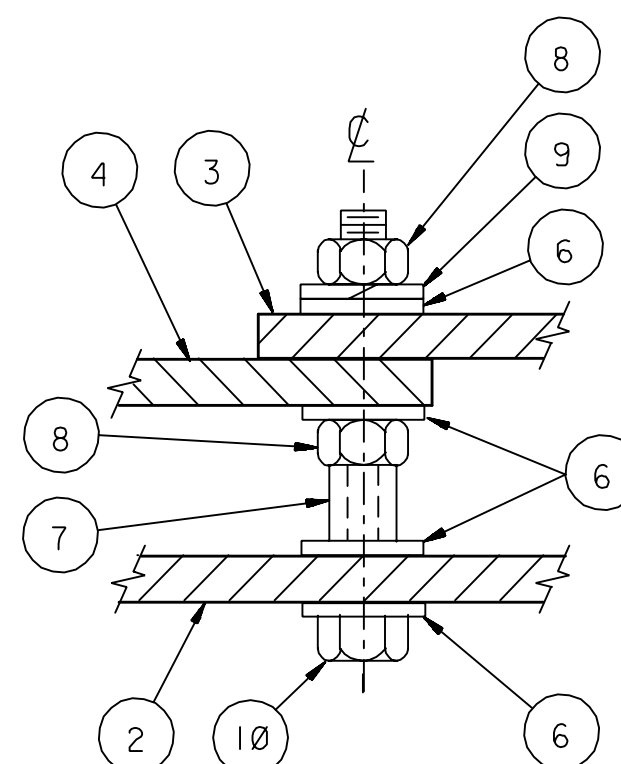
DETAIL-1



DETAIL-2



DETAIL-3



DETAIL-4

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. THIS TERMINAL BOX IS AVAILABLE IN ALUMINUM THROUGH SAMSS UNDER S/N 1000073586 AS A COMPLETE ASSEMBLY.
6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
7. FOR MOUNTING SUPPORT DETAILS REFER TO STANDARD DRAWING AB-036540.
8. ALL BRASS HARDWARE SHALL BE 1/4"-20 MINIMUM SIZE.
9. ZINC CONTENT OF BRASS HARDWARE SHALL NOT EXCEED 16%.
10. THIS BOX MAY BE USED IN CLASS 1 DIV. II AREAS WHEN USED AS SHOWN AND NO SWITCHES OR RESISTORS ARE ADDED.
11. FOR NON-METALLIC BOXES ANY METAL HARDWARE SHALL BE 300 SERIES STAINLESS STEEL.
12. THIS DIMENSION TO SPARE HOLES IS TO ALLOW MOUNTING OF 50A-50MV SHUNT.
13. AS SUBSTITUTION OF 3/8" HARDWARE CAN BE MADE FOR THE 10mm HARDWARE.
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

DWG. CODE	DESCRIPTION
1	ENCLOSURE; NEMA 4X; 508 x 508 x 152
2	PANEL; BLACK BAKELITE; 430 x 430 x 6
3	TIE BAR; TIN PLATED COPPER; 70 x 50 x 6
4	BUS BAR; TIN PLATED COPPER; 206 x 50 x 6
5	BOLT; BRASS; HEXAGONAL HEAD; 10mm x 70mm LONG
6	WASHER; BRASS; FLAT; 10mm
7	SPACER; 10mm THREADS; 25mm LONG
8	NUT; BRASS; HEXAGONAL HEAD; 10mm
9	LOCK WASHER; BRASS; SPRING; 10mm
10	BOLT; BRASS; HEXAGONAL HEAD; 10mm x 76mm LONG
11	BOLT; BRASS; HEXAGONAL HEAD; 10mm x 25mm LONG
12	CONDUIT HUB; WEATHER PROOF; ALUMINUM; 2 INCH PIPE THREADS
13	NAMEPLATE; 200 x 100 x 3; LAMINATED BAKELITE; WHITE LETTERS ON BLACK BACKGROUND
14	PANEL; MOUNTING HARDWARE; SIZE AS REQUIRED

REFERENCE DRAWINGS

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

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
08	SEP03	CSD	MNL	REVISED NOTE 5 AND SECTION A-A.			
07	OCT98	EDSD	WED	REVISED SECTION A-A AND NOTES	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
06	MAY94	EDSD	RCR	ADDED NOTE 6 AND NOTES ON MULTI-PURPOSE JUNCTION BOX DETAIL.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
05	AUG91	EDSD	RCR	DRAWING REDRAWN AND INCORPORATE REVISIONS.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED

SAUDI ARABIAN OIL COMPANY

DRAWN BY	JBS	CHECKED BY		SCALE	NONE
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
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**CATHODIC PROTECTION
JUNCTION BOX - MULTI PURPOSE**

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	X	AA-036276	001	08