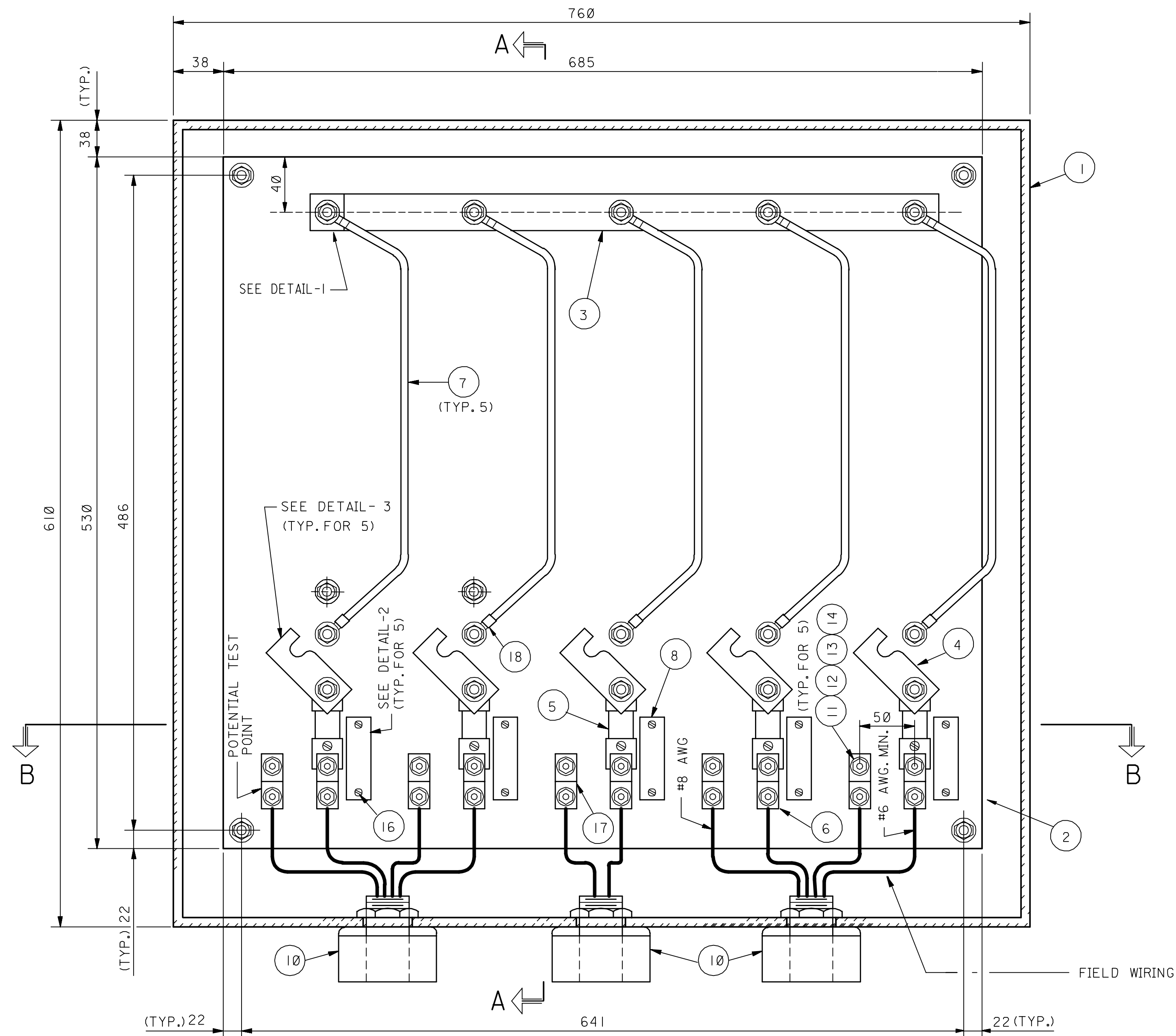
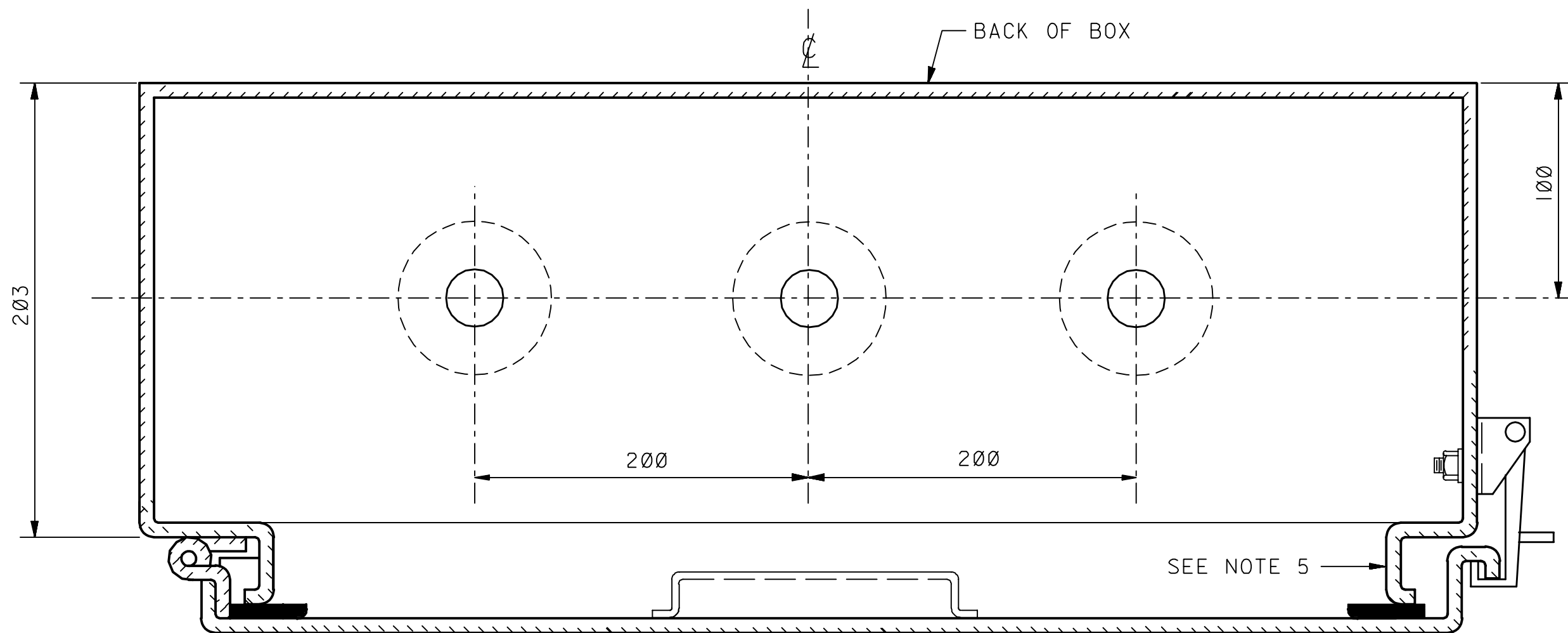
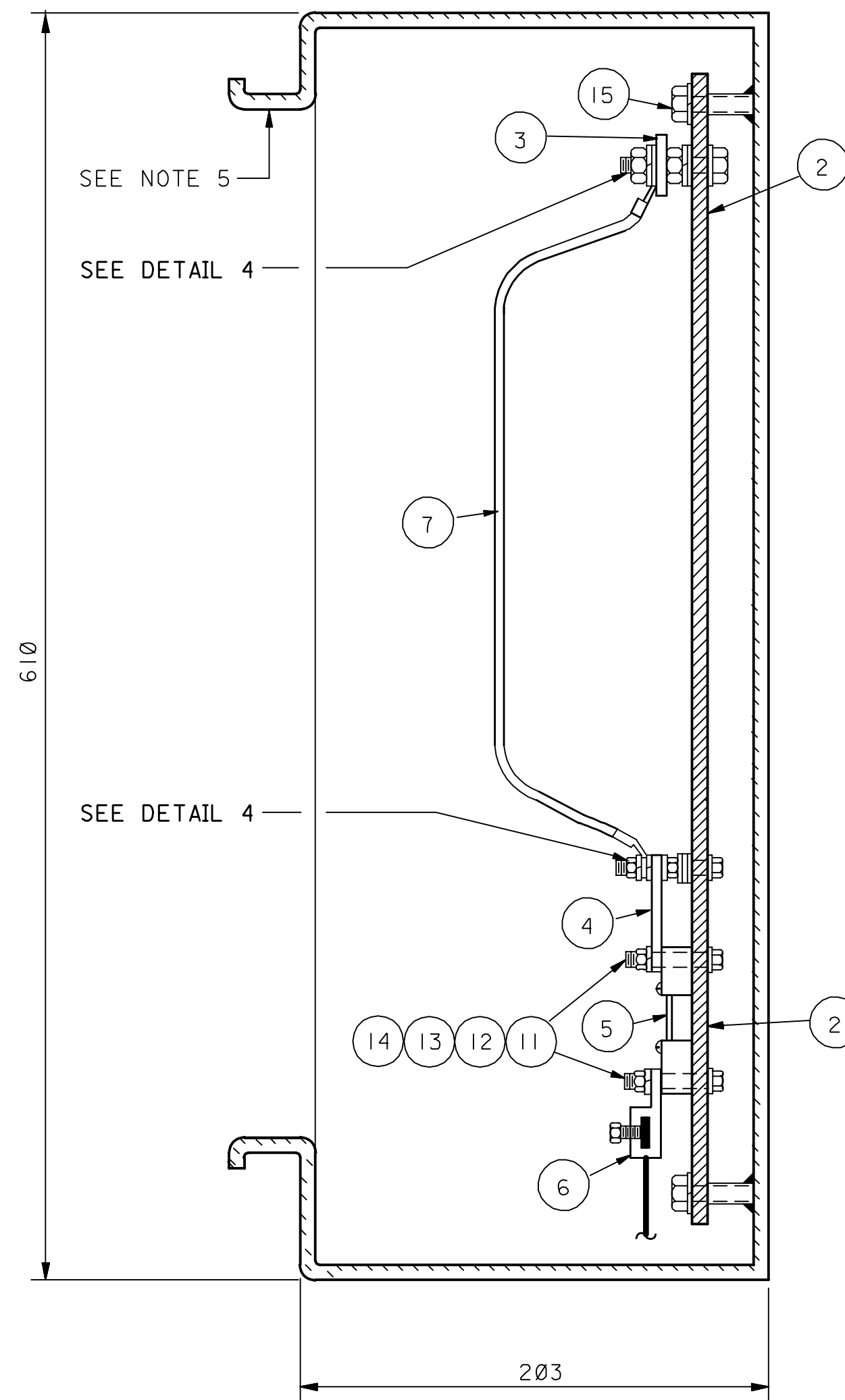




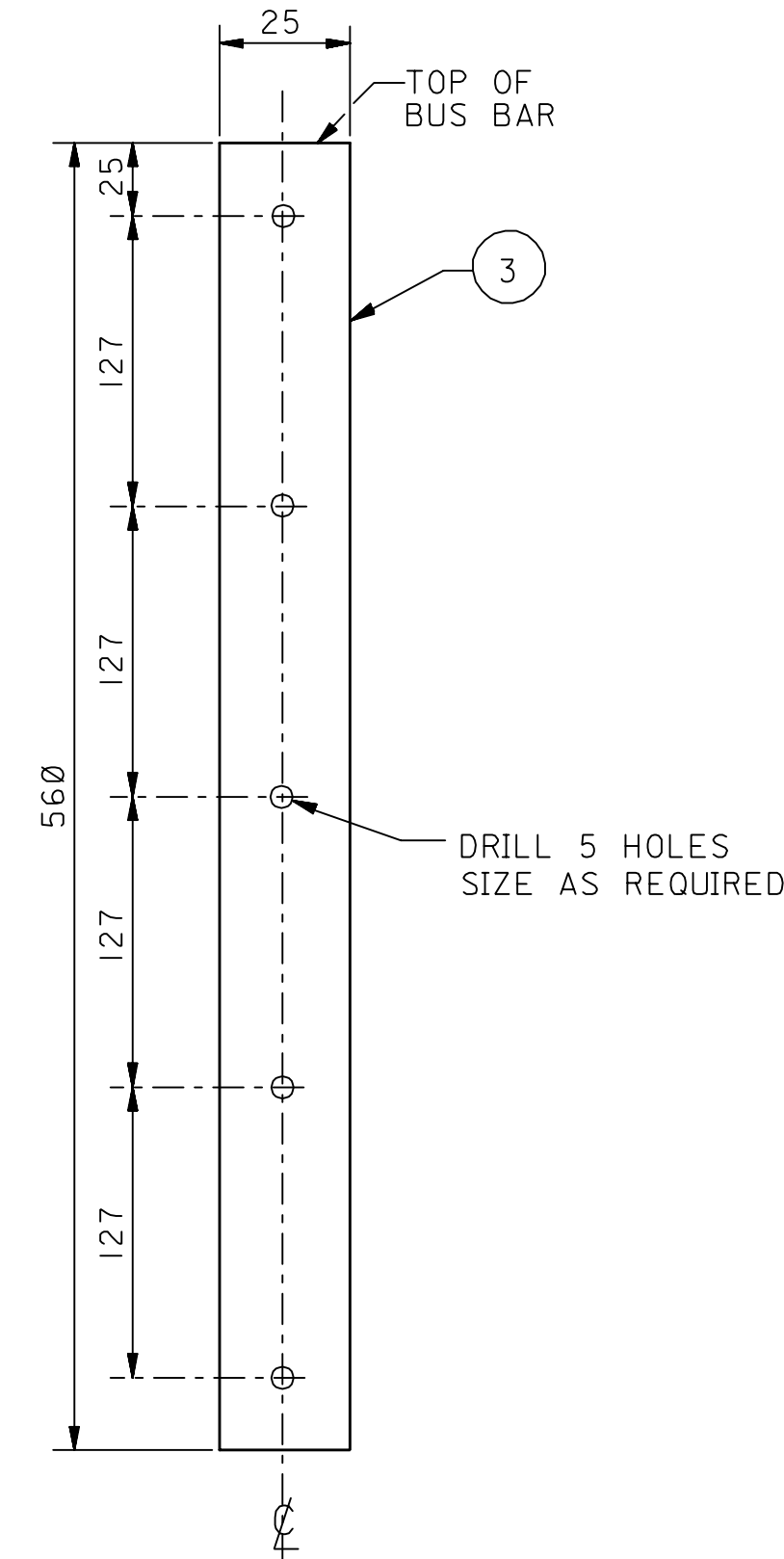
FRONT VIEW OF ENCLOSURE
(WITHOUT DOOR)



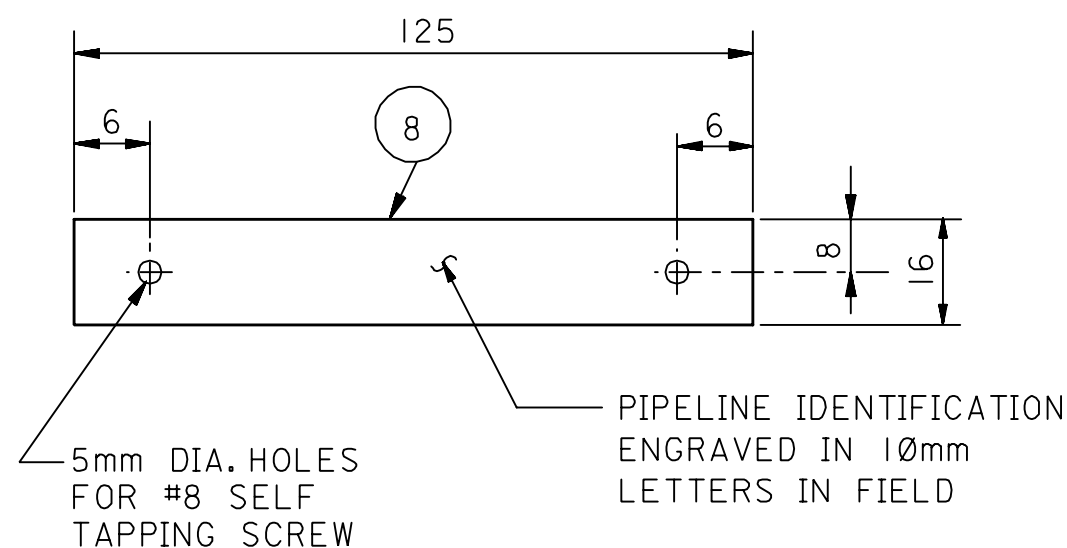
SECTION B-B
ENCLOSURE ONLY-WITH DOOR



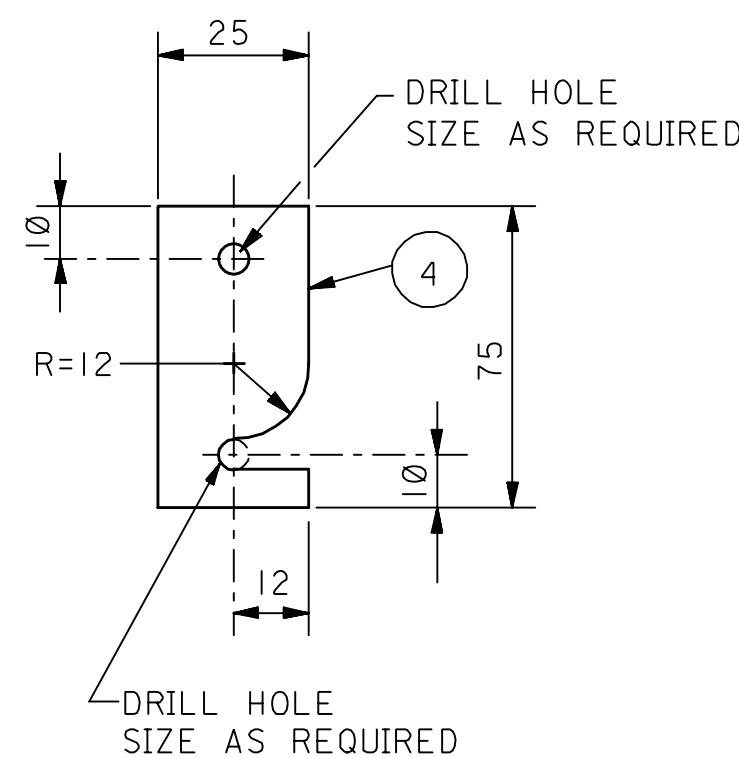
SECTION A-A



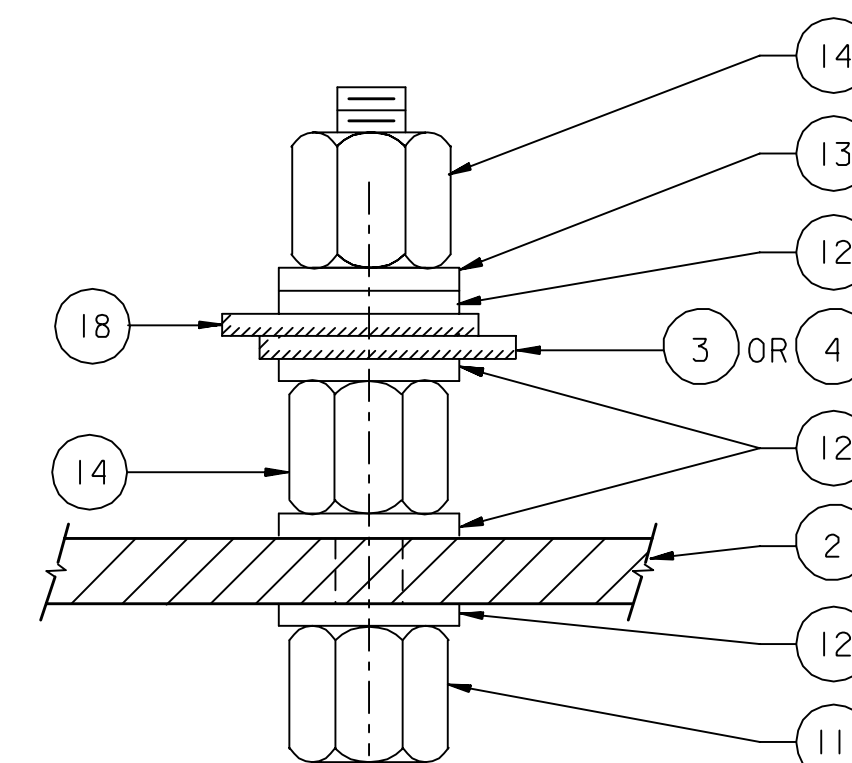
DETAIL - 1
(1 REQUIRED)



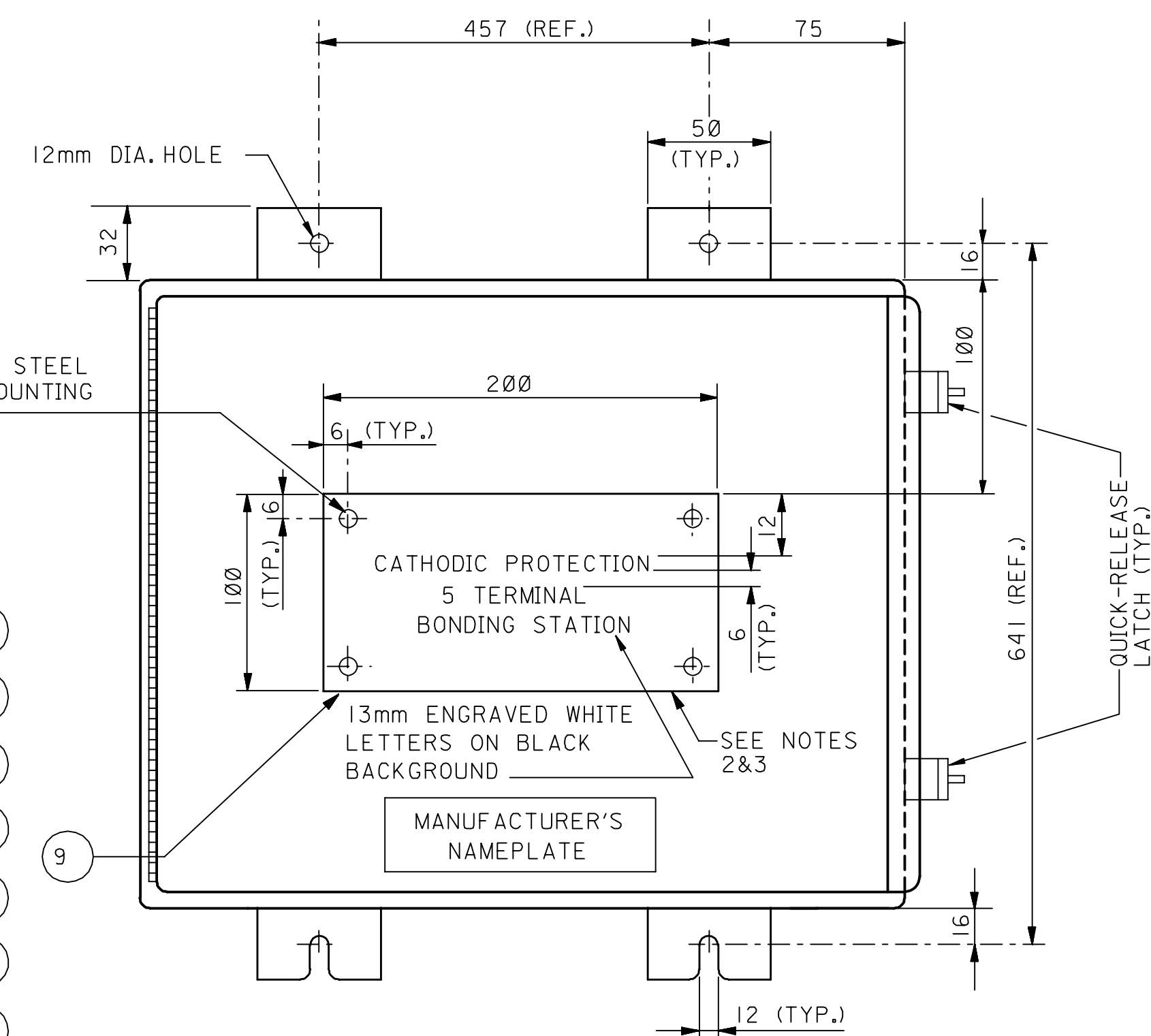
PIPELINE IDENTIFICATION NAMEPLATE
DETAIL - 2



DETAIL - 3



DETAIL - 4



OUTSIDE NAMEPLATE AND
MOUNTING EARS DETAIL

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. ITEM 1 (ONE) FOR CLASSIFIED AREAS SHOULD BE AS PER PURCHASE ORDER SPECIFICATIONS.
5. DRIP PROOF CONSTRUCTION SHOWN IS PREFERRED BUT NOT MANDATORY.
6. THIS BOND BOX MAY BE USED FOR BONDING OF UP TO 5 STRUCTURES.
7. THIS BOND BOX IS AVAILABLE IN ALUMINUM THROUGH SAMSS UNDER S/N 1000073589 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. 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

DWG. CODE	DESCRIPTION
1	ENCLOSURE: ALUMINUM NEMA 4X; 760 x 610 x 203
2	PANEL: BLACK BAKELITE; 685 x 530 x 6
3	BUS BAR: TIN PLATED COPPER; 560 x 25 x 3
4	LINK BAR: TIN PLATED COPPER; 75 x 25 x 3
5	SHUNT: 50 AMPERE; 50 MV; ±2%
6	CABLE LUG: 16mm ² TO 70mm ² (#6 AWG TO 2/0 AWG) BURNDY TYPE QA OR EQUIVALENT
7	WIRE: COPPER; NO. 8 AWG.; STRANDED; 600V; TYPE THHN; BLACK
8	NAMEPLATE: 125 x 16 x 3; LAMINATED BAKELITE; BLACK LETTERS ON WHITE BACKGROUND
9	NAMEPLATE: 200 x 100 x 3; LAMINATED BAKELITE; WHITE LETTERS ON BLACK BACKGROUND
10	CONDUIT HUB: WEATHER PROOF; ALUMINUM; 2"
11	BOLT: BRASS; HEX. HD.; SIZE AS REQUIRED
12	WASHER: FLAT; BRASS; SIZE AS REQUIRED
13	LOCK WASHER: SPRING; PHOSPHOR BRONZE; SIZE AS REQUIRED
14	NUT: HEX. HD.; BRASS; SIZE AS REQUIRED
15	PANEL MOUNTING HARDWARE: SIZE AS REQUIRED
16	SCREW: SELF TAPPING; CADMIUM PLATED; NO. 8 x 1/2"
17	WIRE LUG: SOLDERLESS; SCREW TYPE, FOR #8 AWG. WIRE
18	CABLE LUG: FOR NO. 8 AWG CABLE-COMPRESSION TYPE.

REFERENCE DRAWINGS

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.
06	OCT98	EDSD	WED	REVISED SECTION A-A AND NOTES	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
05	MAY94	EDSD	RCR	REVISED NOTE 6, MATERIAL LIST, TITLE & ADDED DETAIL ON SECTION A-A.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
04	JAN93	EDSD	DTT	GENERAL REVISION	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
07	SEP03	CSD	MAL	REVISED FRONT VIEW, SECTION A-A & NOTE 7.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
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:

CATHODIC PROTECTION
BOND BOX - 5 TERMINAL

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	X	AA-036277	001	07