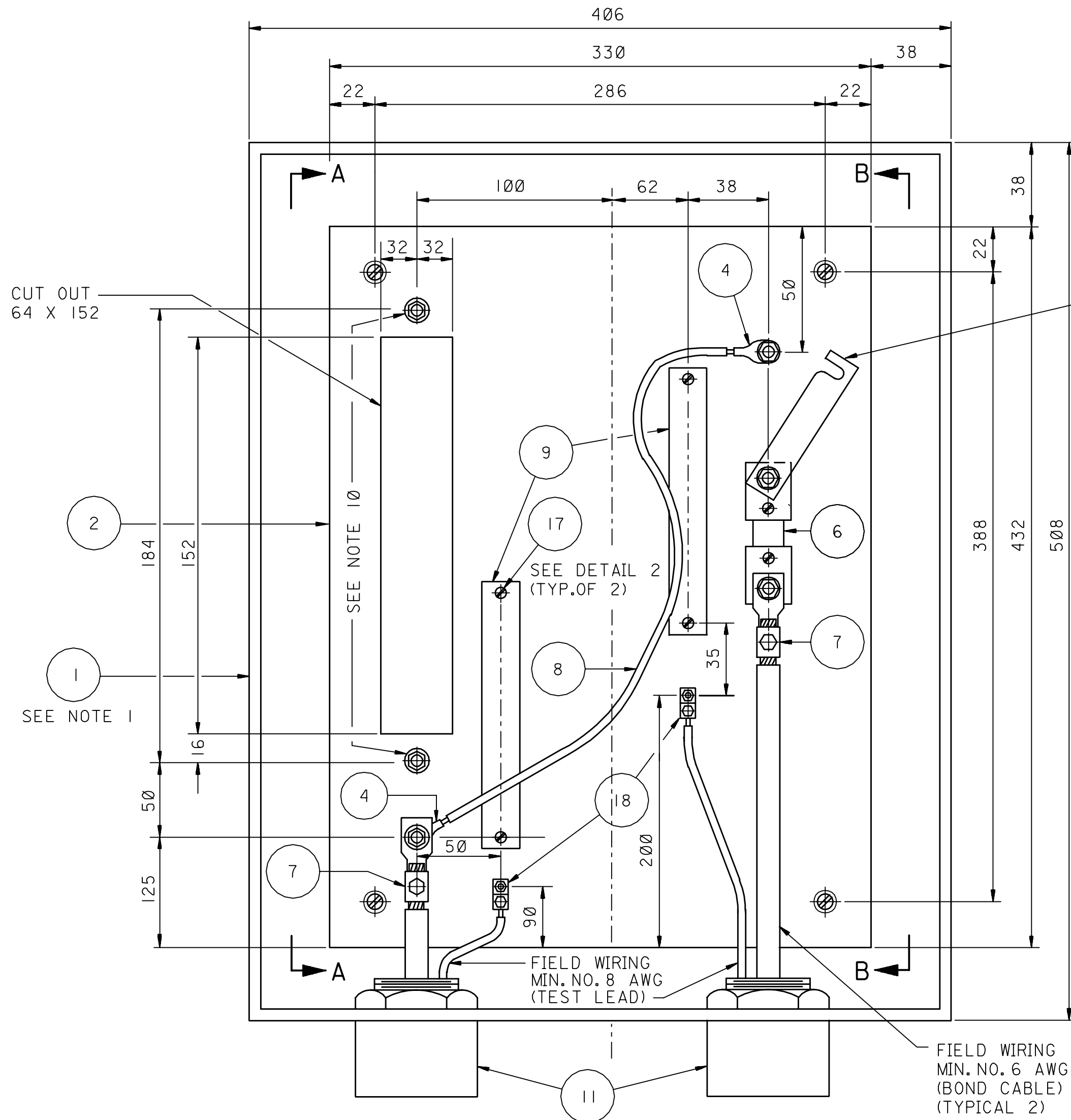
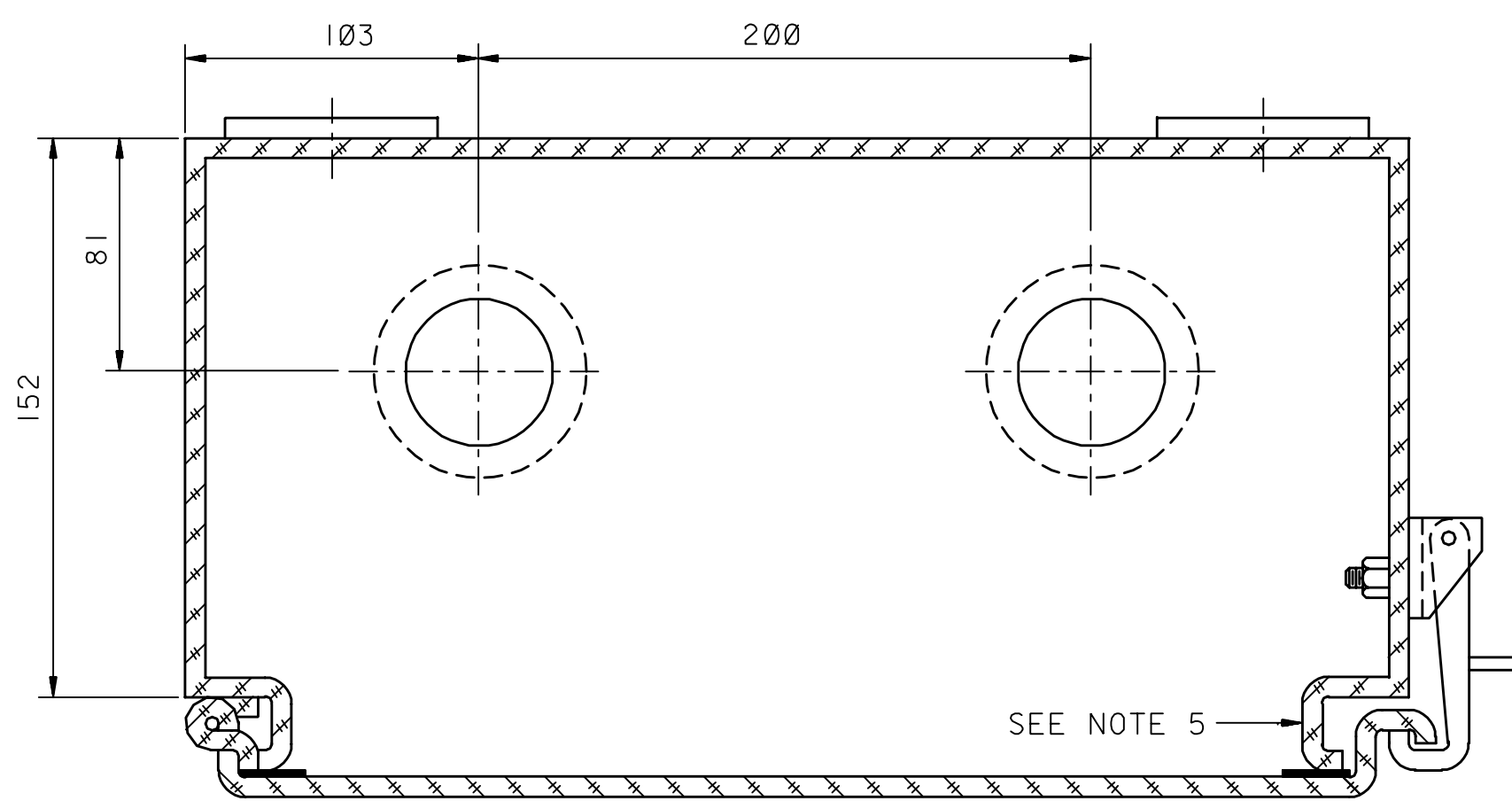


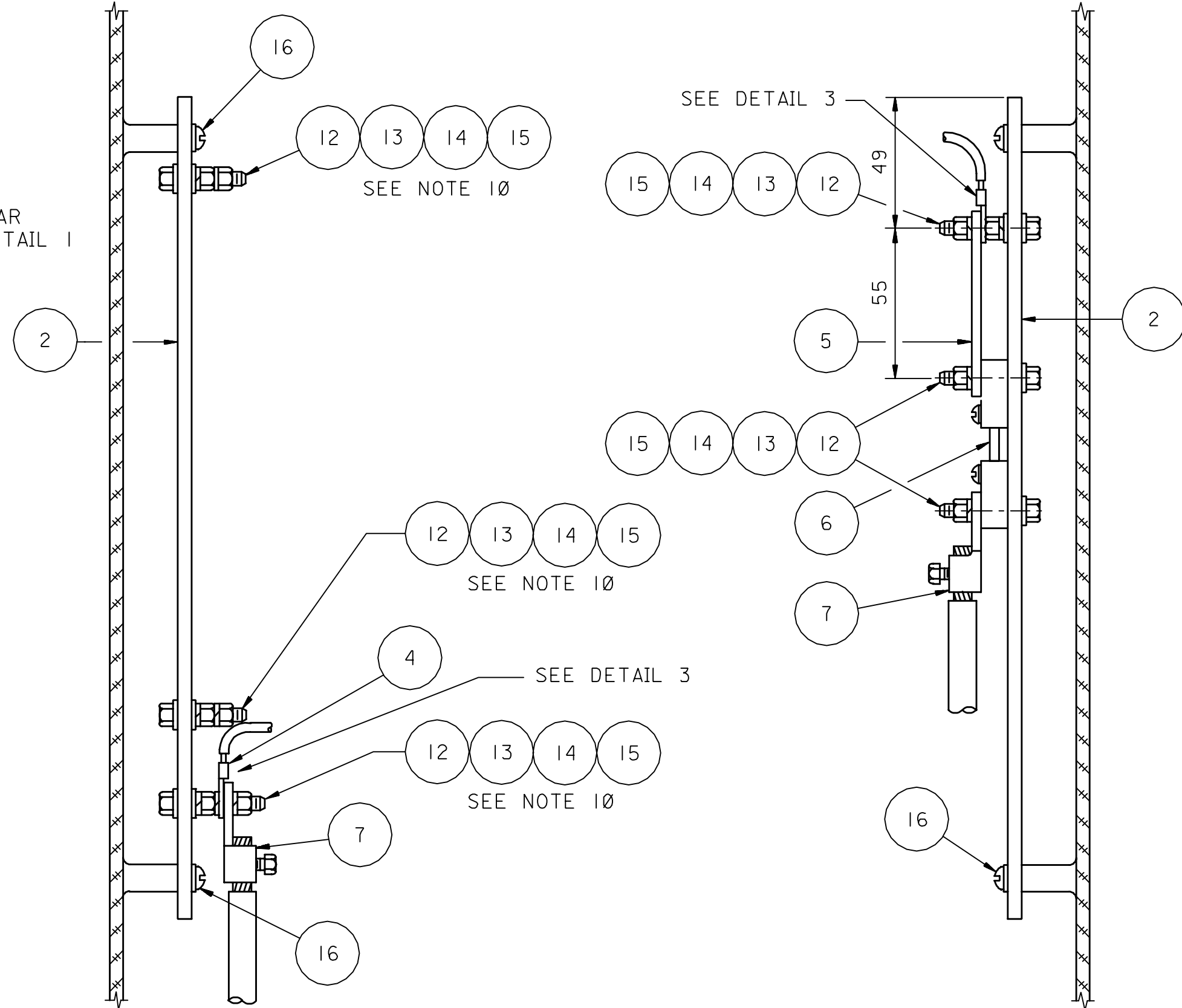
80	100	00	50	AA-036350	X	990
ON, REV.	SH, NO.	DRAWING NUMBER	INDEX	PLANT NO.		



FRONT VIEW OF ENCLOSURE
(SHOWN WITHOUT DOOR)

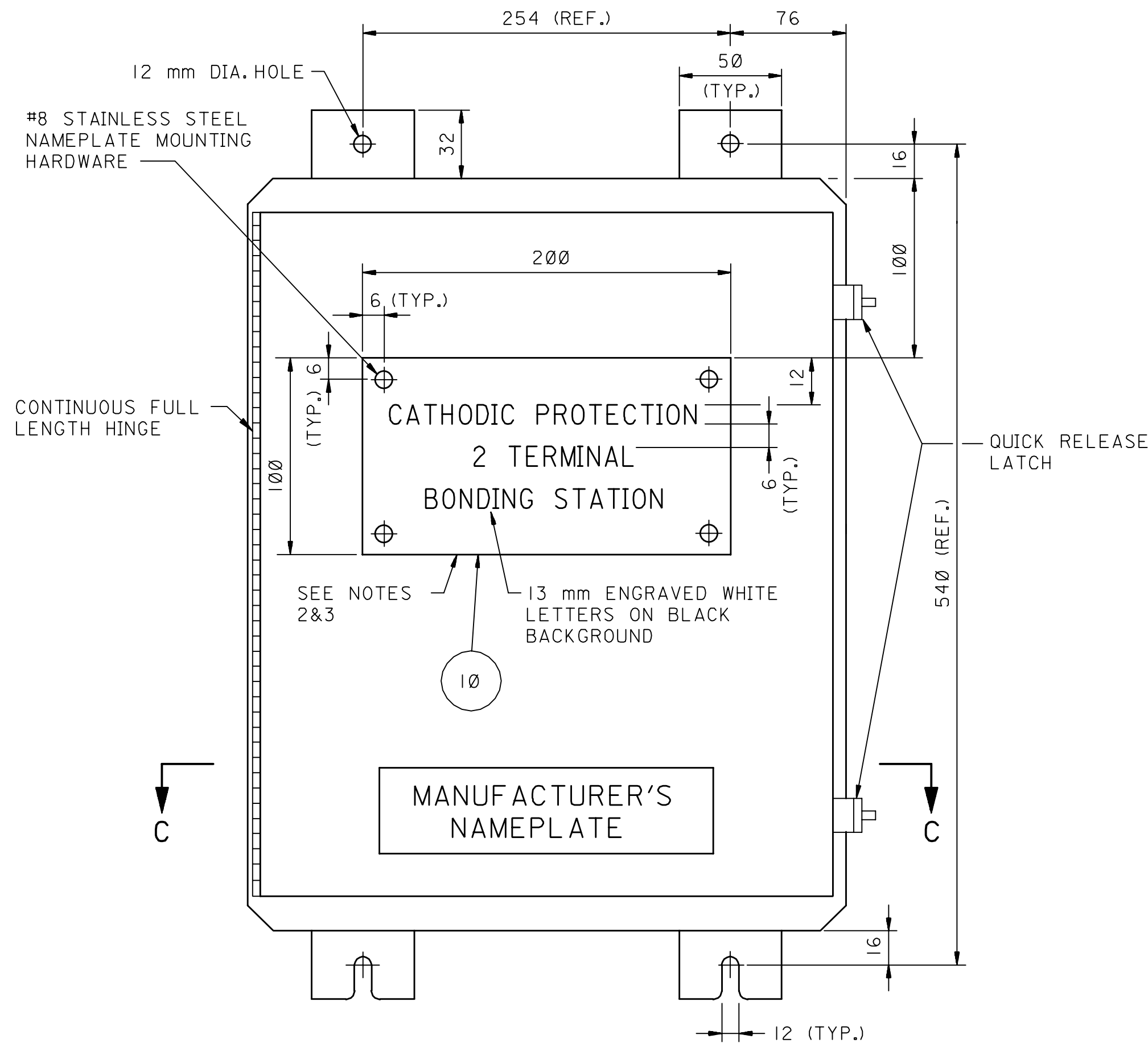


SECTION C-C

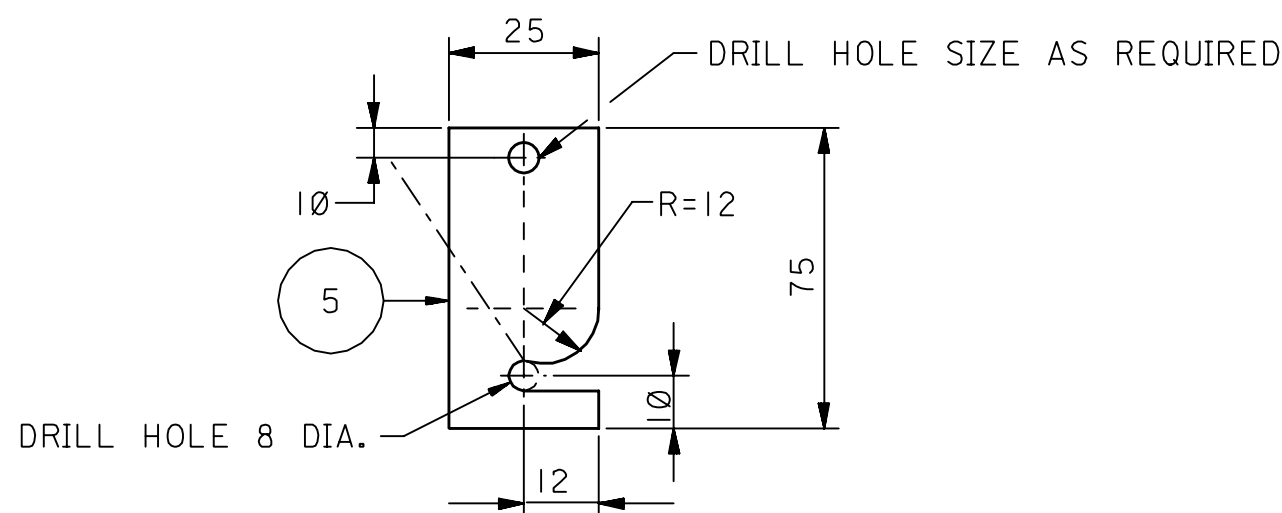


SECTION A-A

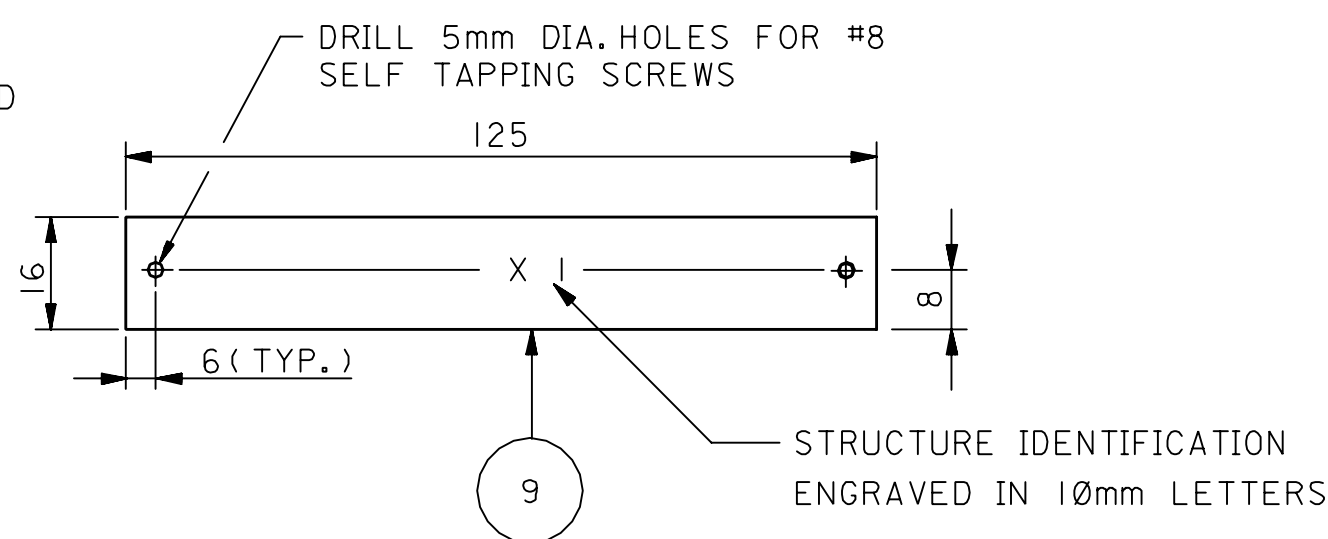
SECTION B-B



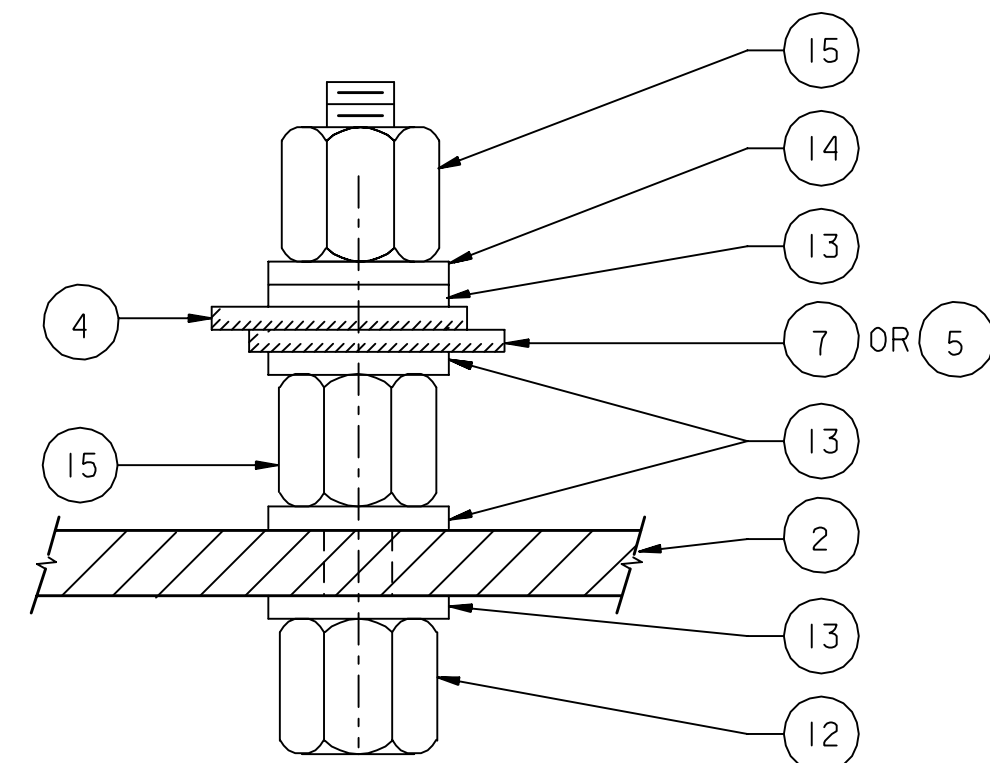
OUTSIDE NAMEPLATE AND
MOUNTING EARS DETAIL



DETAIL 1
(1 REQUIRED)



DETAIL 2
INSIDE NAMEPLATE
(2 REQUIRED)



DETAIL 3

MATERIAL LIST	
CODE	DESCRIPTION
1	ENCLOSURE: ALUMINUM NEMA 4X; 508 x 406 x 152
2	PANEL: BLACK BAKELITE; 432 x 330 x 6
3	RESISTOR: 0.56 OHM; 400 WATTS; 7 FIXED CONTINUOUSLY WELDED TAPS; WOUND ON CERAMIC INSULATOR; WITH BOLT-ON WIRING TERMINALS AND BRASS HARDWARE - SEE NOTE 10
4	CABLE LUG: FOR NO. 8 AWG CABLE - COMPRESSION TYPE
5	LINK BAR: TIN PLATED COPPER; 75 x 25 x 3
6	SHUNT; 50 AMPERE; 50 MV; ±2%
7	CABLE LUG: 16mm ² TO 70mm ² (#6 AWG TO 2/0 AWG) BURNDY TYPE QA OR EQUIVALENT
8	CABLE: COPPER; NO. 8 AWG; STRANDED; 600V; TYPE THHN; BLACK
9	NAMEPLATE: 125 x 16 x 3; LAMINATED BAKELITE; BLACK LETTERS ON WHITE BACKGROUND
10	NAMEPLATE: 200 x 100 x 3; LAMINATED BAKELITE; WHITE LETTERS ON BLACK BACKGROUND
11	CONDUIT HUB; WEATHER PROOF; ALUMINUM, 2"
12	BOLT: BRASS; HEXAGONAL HEAD; SIZE AS REQUIRED
13	WASHER: FLAT; BRASS; SIZE AS REQUIRED
14	LOCKWASHER: SPRING; BRASS; SIZE AS REQUIRED
15	NUT: HEXAGONAL HEAD; BRASS; SIZE AS REQUIRED
16	PANEL MOUNTING HARDWARE: SIZE AS REQUIRED
17	SCREW: SELF TAPPING; CADMIUM PLATED; NO. 8 x 1/2"
18	CABLE LUG: SOLDERLESS; SCREW TYPE; FOR NO. 8 AWG CABLE

- NOTES:**
- THE ENCLOSURE SHALL BE IN ACCORDANCE WITH MATERIAL SPECIFICATION 17-SAMSS-008.
 - DUPLICATE NAMEPLATE SHALL BE MOUNTED ON THE INSIDE OF THE ENCLOSURE DOOR.
 - 13mm ENGRAVED BLACK LETTERS ON WHITE BACKGROUND OR 13mm ENGRAVED WHITE LETTERS ON BLACK BACKGROUND MAY BE USED.
 - ITEM 1 (ONE) FOR CLASSIFIED AREAS SHOULD BE AS PER PURCHASE ORDER SPECIFICATIONS.
 - DRIP PROOF CONSTRUCTION SHOWN IS PREFERRED BUT NOT MANDATORY.
 - THIS BOND BOX MAY BE USED FOR BONDING OF UP TO 2 STRUCTURES.
 - THIS BOND BOX IS AVAILABLE IN ALUMINUM THROUGH SAMSS UNDER S/N 1000073587 AS A COMPLETE ASSEMBLY.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - FOR MOUNTING SUPPORT DETAILS REFER TO STANDARD DRAWING AB-036540.
 - PROVISIONS FOR RESISTOR (ITEM 3) IS MADE IN JUNCTION BOX. IF RESISTOR IS REQUIRED, IT IS AVAILABLE FROM THE JUNCTION BOX MANUFACTURER AS DIRECT CHARGE (DC) ITEM. USE DESCRIPTION OF ITEM 3 AND MOUNTING DIMENSIONS SHOWN ON THIS DRAWING WHEN ORDERING.
 - ALL BRASS HARDWARE SHALL BE 1/4"-20 MINIMUM SIZE.
 - ZINC CONTENT OF BRASS HARDWARE SHALL NOT EXCEED 16%.
 - FOR NON-METALLIC BOXES ANY METAL HARDWARE SHALL BE 300 SERIES STAINLESS STEEL.
 - 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.

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.
08	SEP03	CSD MNL		REVISED NOTE 7.			
07	OCT98	EDSD WED		REVISED SECTION A-A, MOUNTING EARS DETAIL & NOTES AND ADDED DETAIL 3	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
06	MAY94	ESSD RCR		REVISED TITLE, NOTES 6, 7 & MATERIAL LIST.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
05	FEB92	ESSD EPE		REDRAWN & REVISED.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED

SAUDI ARABIAN OIL COMPANY

DRAWN BY: LB CHECKED BY: SCALE: NONE

DATE STARTED: DATE COMPLETED: 04-08-80

OPR'G. DEPT.: ENG. DEPT.:

APPD. FOR CONST.:

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL, UNLESS CERTIFIED AND DATED

CERTIFIED BY: DATE:

CATHODIC PROTECTION

BOND BOX - 2 TERMINAL

STD. DWG. METRIC

PLANT NO.	INDEX	DRAWING NUMBER	SH, NO.	REV. NO.
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990	X	AA-036350	001	08
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Saudi Aramco 2615 ENG. (3/91)

CADD-02