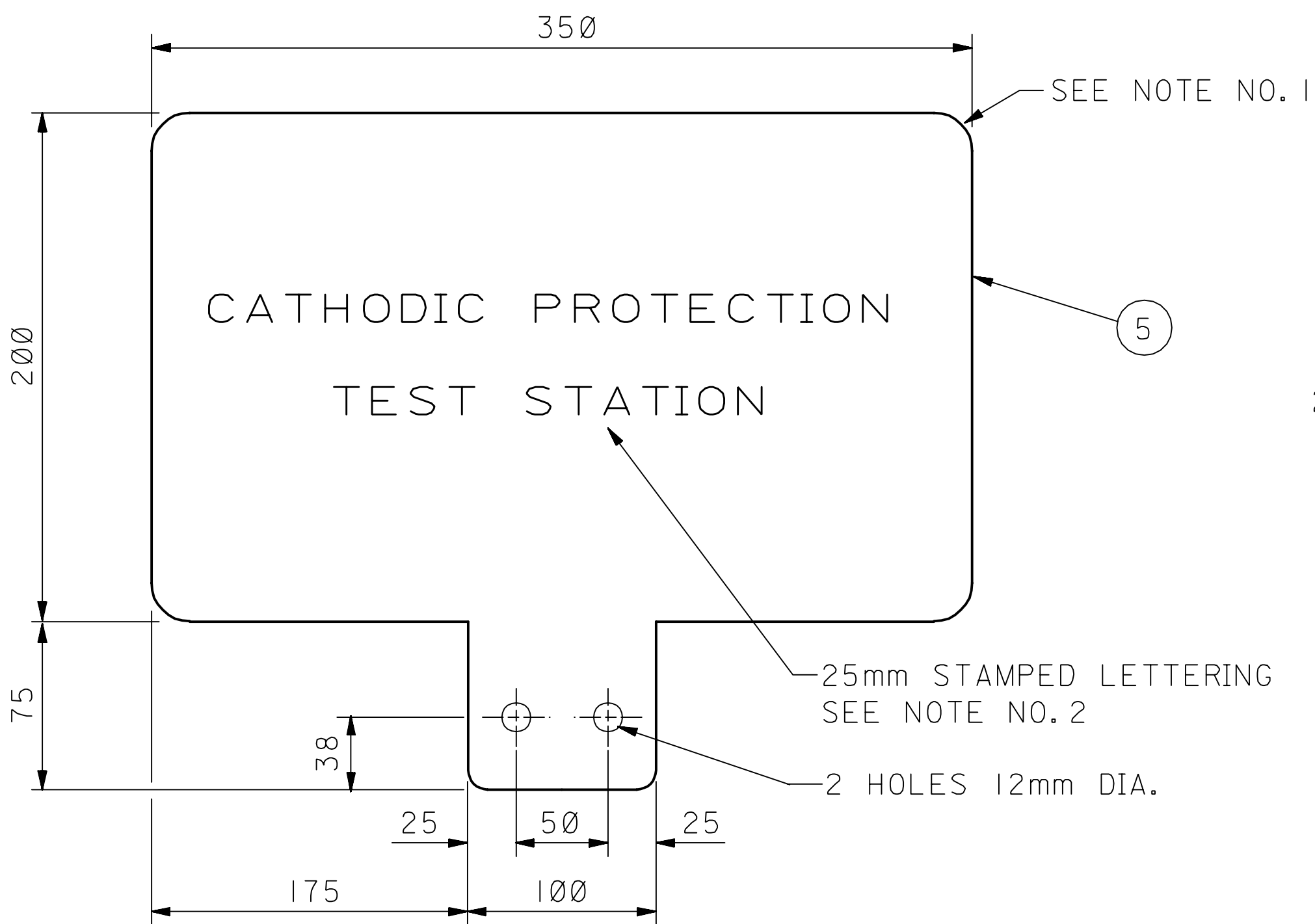
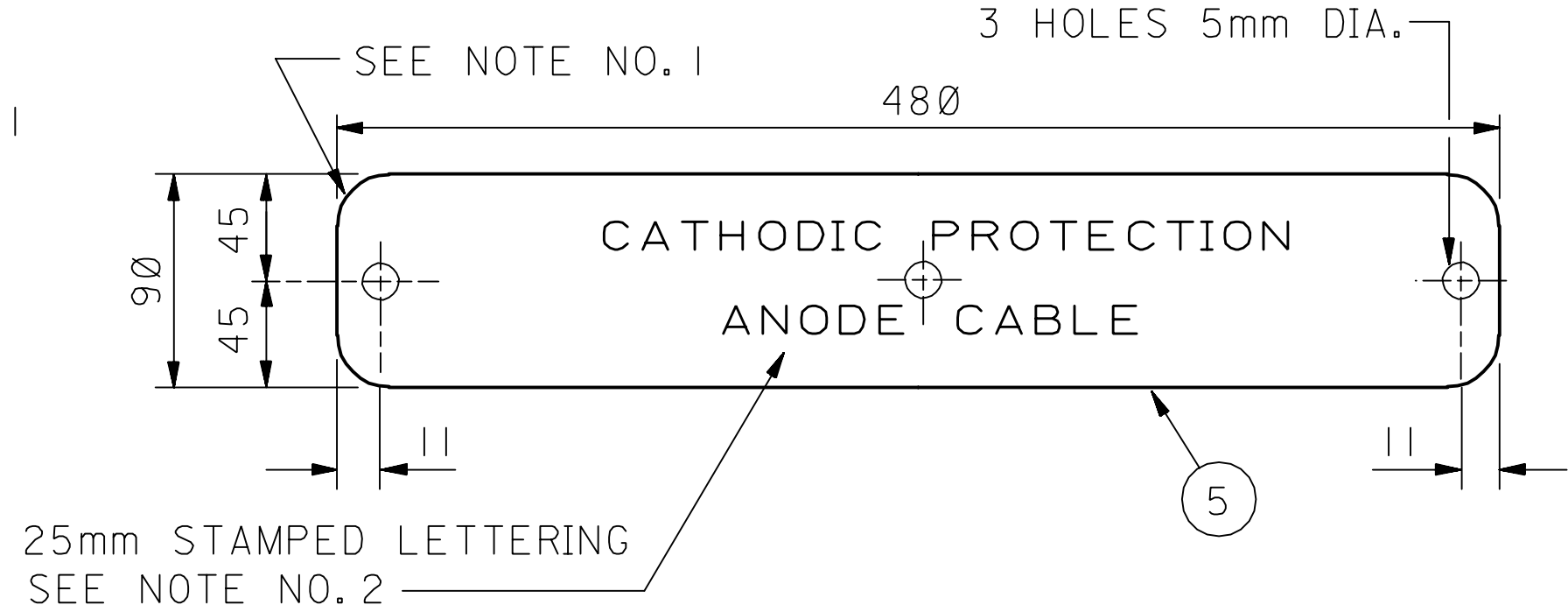


80	100	15930-BV	X	066
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.



TYPE-"A"
SEE NOTE NO. 4

TYPICAL TITLES FOR MARKER PLATES TYPE-"A"	
1	CATHODIC PROTECTION HORIZONTAL ANODE BED
2	CATHODIC PROTECTION VERTICAL ANODE BED
3	CATHODIC PROTECTION TANK UNDERSIDE CATHODE CONNECTION
4	CATHODIC PROTECTION TANK INTERNAL CATHODE CONNECTION
5	CATHODIC PROTECTION TANK INTERNAL ANODE
6	CATHODIC PROTECTION REFERENCE ELECTRODE
7	CATHODIC PROTECTION TEST STATION (SEE NOTE 9)
8	CATHODIC PROTECTION MAGNESIUM ANODES
9	CATHODIC PROTECTION COUPON TEST STATION



TYPICAL TYPE-"B"

TYPICAL TITLES FOR MARKER PLATES TYPE-"B"	
1	CATHODIC PROTECTION ANODE CABLE
2	CATHODIC PROTECTION NEGATIVE CABLE
3	CATHODIC PROTECTION ANODE
4	CATHODIC PROTECTION BOND CABLE
5	CATHODIC PROTECTION NEGATIVE & INSTRUMENT CABLE

LIST OF MATERIAL		
CODE	SAMS NUMBER	DESCRIPTION
1	1000192534	POST; LUMBER REDWOOD; 100mm x 100mm SIZE
2	1000195650	ENAMEL; WHITE; EXTERIOR
3	1000198774	VARNISH; SPAR
4	1000261970	SCREW; WOOD; NO. 8 x 25mm; LONG
5	1000270889	ALUMINUM; 6mm x 1.2m x 2.4m
6	1000131755	SIGN; WARNING; ARROW; SINGLE POINTED ARROW
7	1000195650	SIGN; WARNING; ARROW; DOUBLE POINTED ARROW
8	1000131844	SIGN; WARNING; OBLIQUE POINTED ARROW

- NOTES:
- CORNERS OF ALUMINUM MARKERS TO BE ROUNDED AND EDGES TO BE SMOOTHED SO AS TO AVOID PERSONNEL INJURY.
 - LETTERING TO BE ETCHED OR ENGRAVED ON TYPE "A" AND "B" SHEET ALUMINUM MARKER PLATES.
 - DIRECTION SIGN FOR ANODE MARKER POST TO BE SINGLE POINTED ARROW POINTING DOWNWARDS LOCATED WITHIN 300mm OF DISTRIBUTED ANODE. ANODE MARKER POST ONLY REQUIRED AT DISTRIBUTED ANODES.
 - FOR MOUNTING POST DETAILS SEE DRAWING AB-036540.
 - ON LONG STRAIGHT RUNS OF CABLE PLACE POSTS AT INTERVALS NOT TO EXCEED 30m WITH SIGNS ORIENTED SO THAT ARROWS INDICATE CABLE ROUTE.
 - ON TURNS PLACE POST AT INTERSECTION OF LINES WITH TWO SIGNS ORIENTED SO THAT ARROWS INDICATE CABLE ROUTE.
 - PAINT IS NOT REQUIRED FOR ALUMINUM MARKER PLATES.
 - FOR PLANT AREAS A CONCRETE PLAQUE MAY BE USED FOR CABLE AND ANODE LOCATION. SEE DRAWING AB-036273 FOR DETAILS. USE SURFACE ANODE SYMBOL IN LIEU OF DIRECTION ARROW TO LOCATE ANODE.
 - THIS SIGN ONLY USED WITHOUT KM. MARKER.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS

CATHODIC PROTECTION MOUNTING SUPPORT DETAIL	AB-036540
SURFACE MARKER UNDERGROUND ELECTRICAL CABLE	AB-036273
STANDARD DETAIL OF MARKER PLATES FOR P/L	AD-036973
CATHODIC PROTECTION PIPELINE KILOMETER MARKER & TEST STATION FOR BURIED PIPELINES	AB-036907

DWG. RESPONSIBILITY:
CATHODIC PROTECTION & COATING COMMITTEE

Ø8	NOV99	ESSD WED	GENERAL REVISION	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
Ø7	SEP93	ESSD RCR	ADDED NOTE 9 AND NOTES ON TABLE.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
Ø6	05-19-91	QJA	REVISED AS PER MARKUP.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
Ø9	SEP03	CSD MNL	REVISED NOTES & MATERIAL LIST			
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT. APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY _____ 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 _____

CATHODIC PROTECTION
MARKER PLATE DETAILS

STD. DWG.				METRIC
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	X	AB-036351	001	09