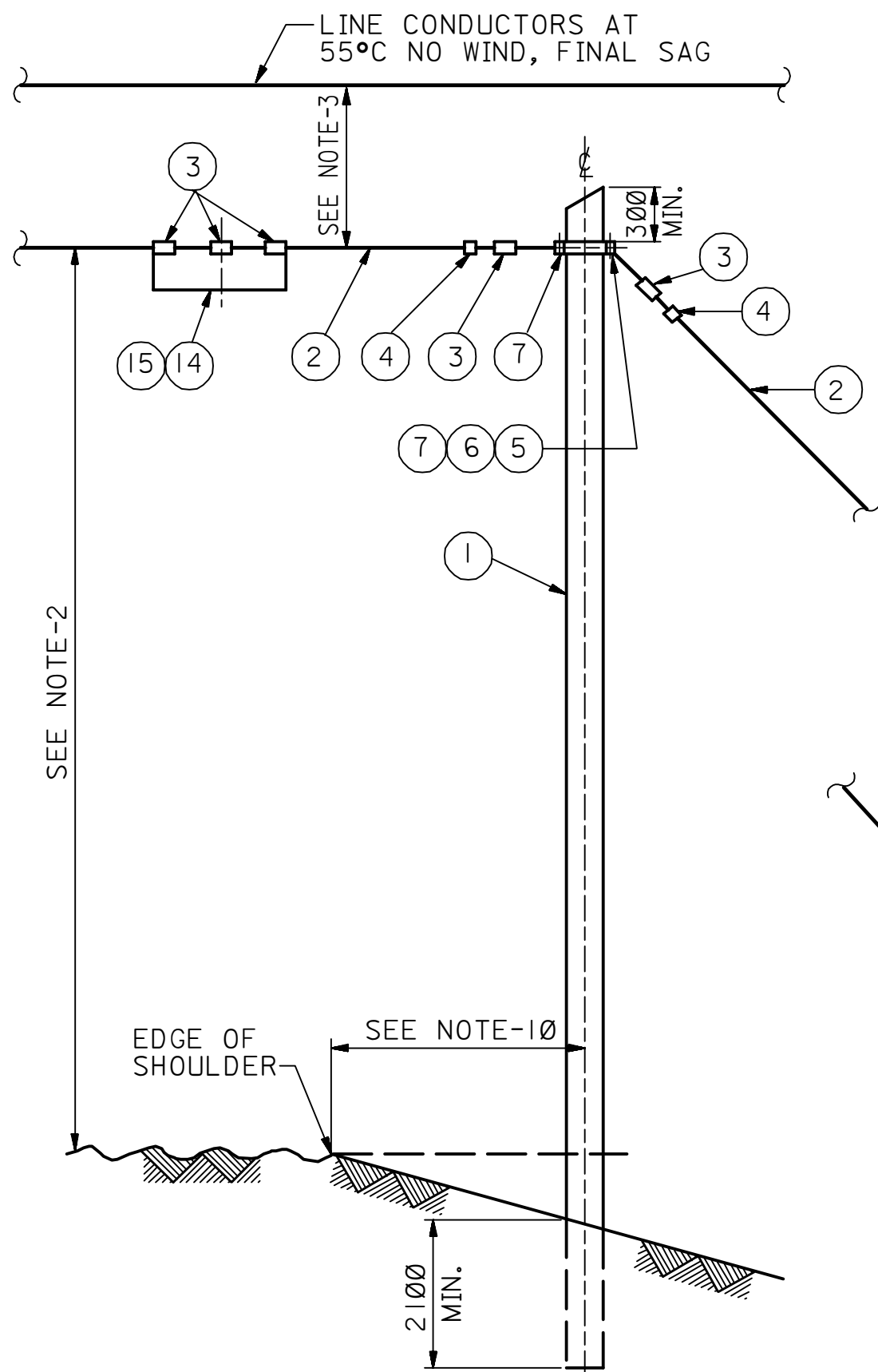
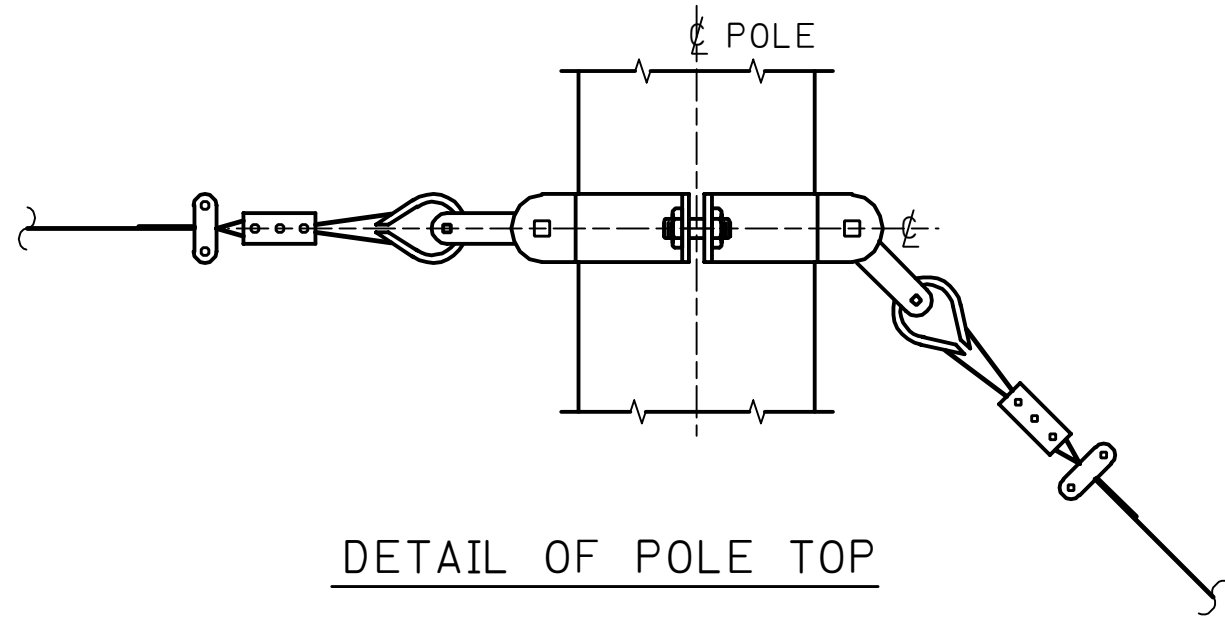


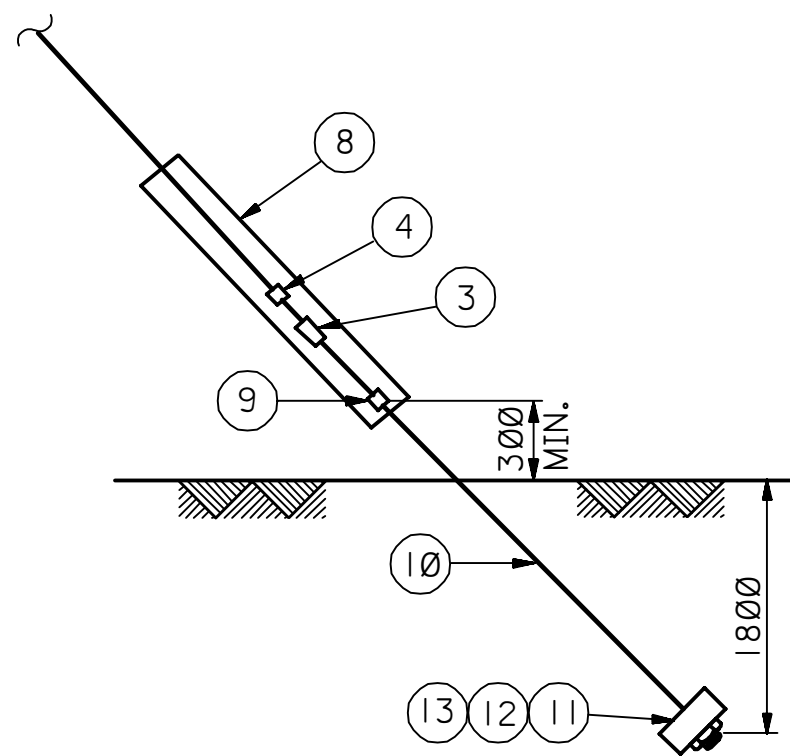
990	100	999930-AB-036667	L/P	066
REV. NO.	SH. NO.	DRAWING NO.	INDEX	PLANT NO.



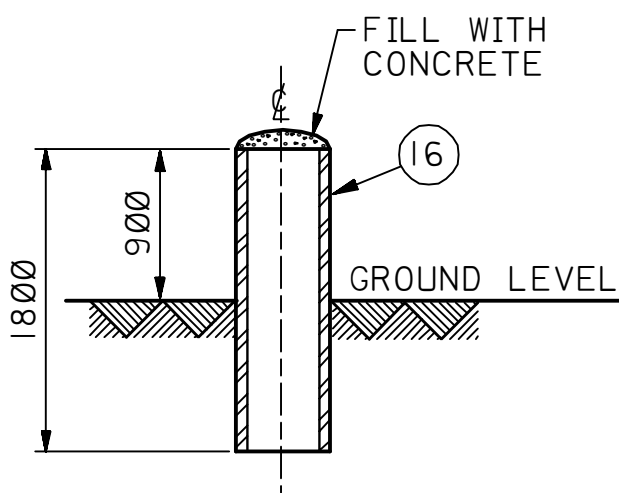
SIDE VIEW



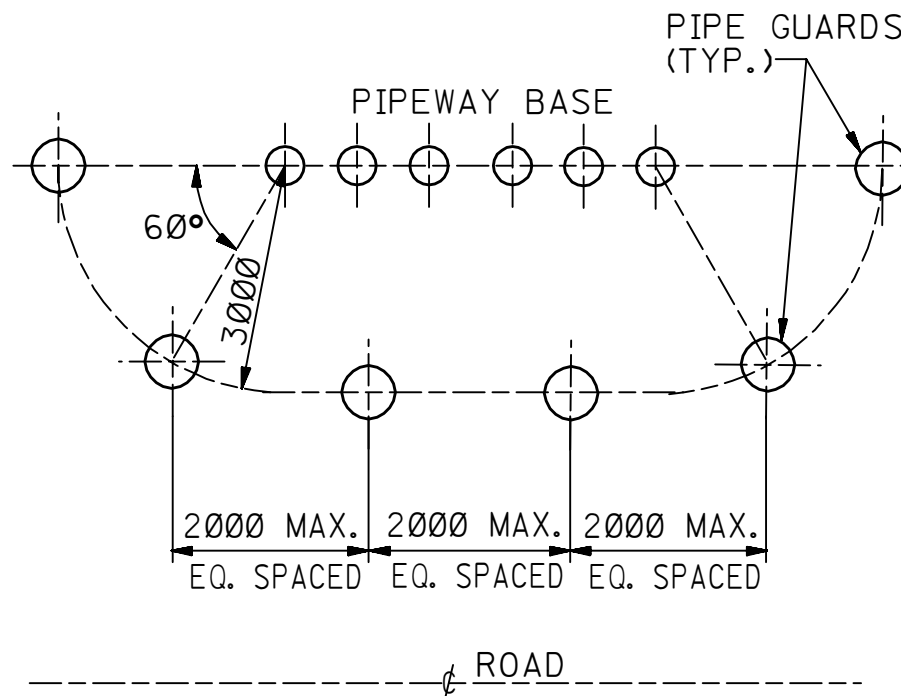
DETAIL OF POLE TOP



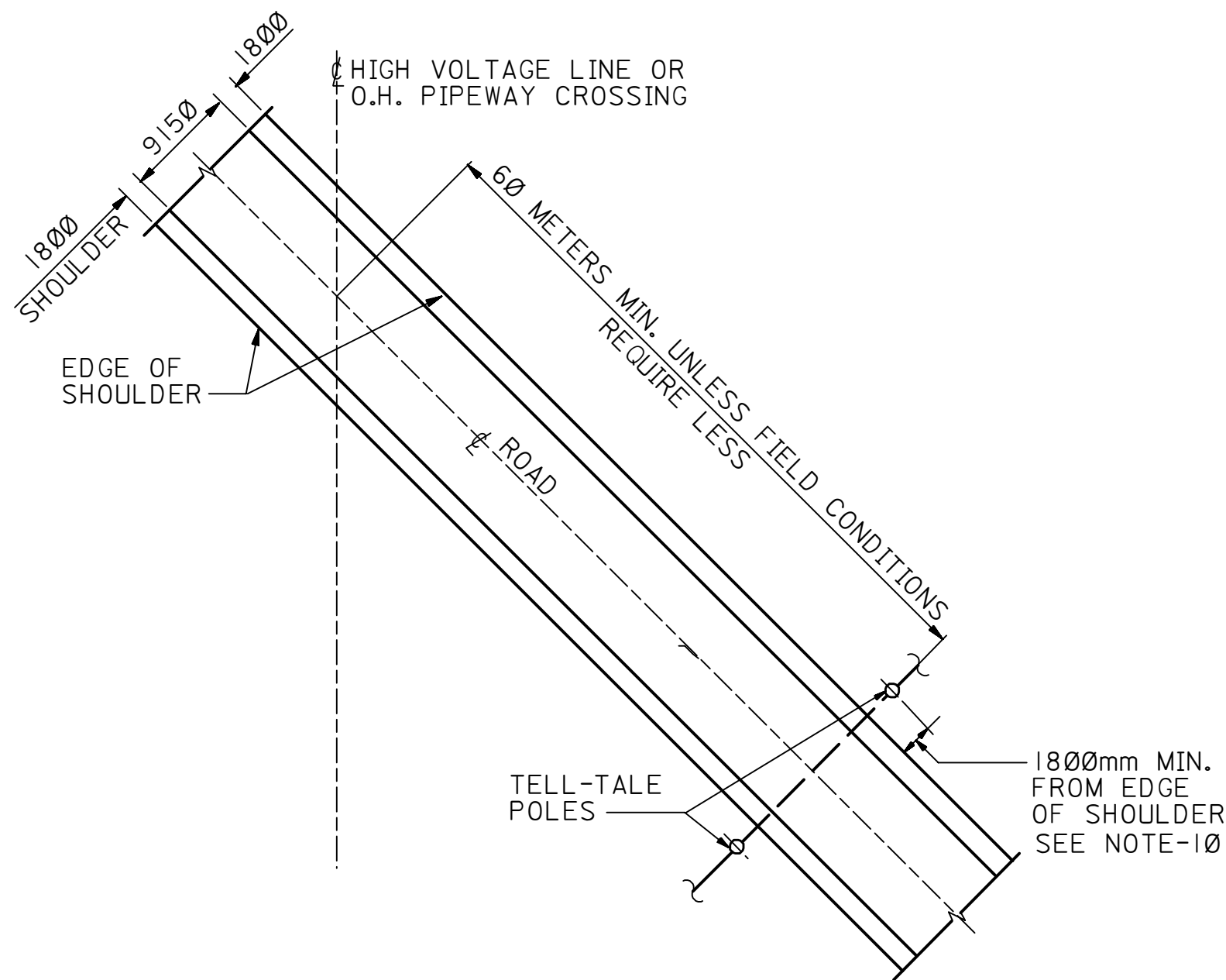
DETAIL OF ANCHOR



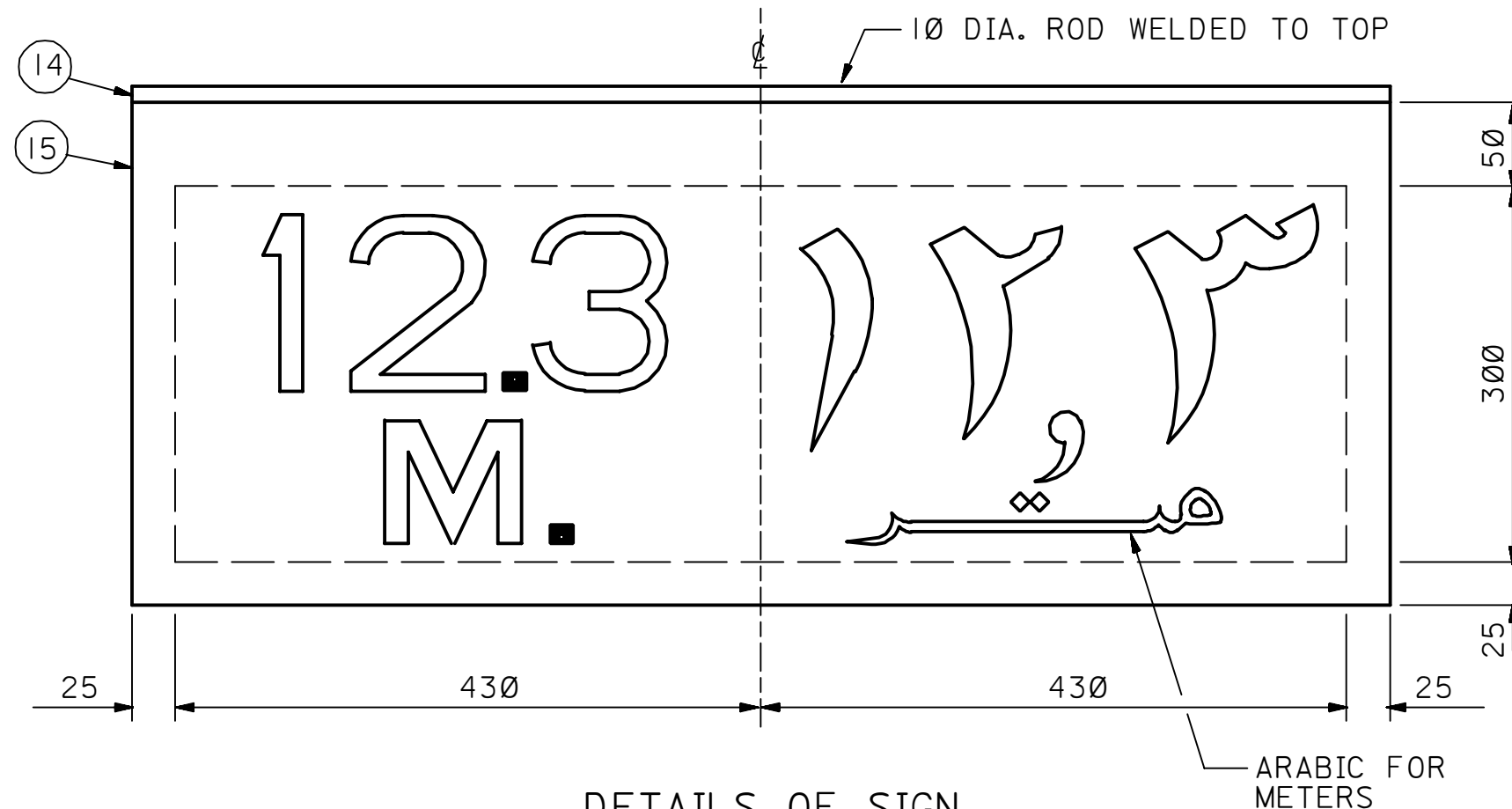
DETAIL-1
PIPE GUARD



DETAIL-2
LOCATION OF PIPE GUARDS



PLAN



DETAILS OF SIGN
PAINTED GREEN, YELLOW LEGEND
FIGURES NOT BINDING MAY
VARY WITH EACH CASE
SEE ALSO NOTE-2

MATERIAL LIST

CODE	AMS NO.	QTY.	DESCRIPTION
1	14-XXX-XXX	2	POLE: CLASS 3; 1500mm
2	07-135-330	220	WIRE: GUY; 10mm
3	14-505-725	9	CLAMP: GUY
4	07-386-536	6	CLIP: WIRE ROPE
5	14-480-125	2	BAND: POLE; ADJUSTABLE
6	14-512-050	4	CONNECTING LINK
7	07-513-515	4	THIMBLE: WIRE ROPE
8	14-550-364	2	GUARD: GUY WIRE
9	14-616-100	2	GUY EYE: TWIN
10	14-616-060	2	ROD: ANCHOR; 25mm x 3 METERS
11	10-889-378	2	WASHER: SQUARE; 1" BOLT
12	14-616-110	2	NUT: HEX.; CLOSED END
13	14-476-195	2	TIE: RAIL ROAD
14	12-337-323	900mm	ROD: STEEL; 10mm
15	12-157-726	.34m ²	SHEET: STL. NO. 10 GA.; 3.5 x 375 x 910mm
16	XX-XXX-XXX	AS REQD.	PIPE: 24" DIA.; 1800mm LG.

METRIC DIMENSIONS OF STOCK ITEMS ARE A DIRECT
CONVERSION OF CONVENTIONAL UNITS TO METRIC UNITS.

NOTES

- THIS DRAWING WAS MADE TO SERVE AS A GUIDE FOR DESIGN AND INSTALLATION OF TELL-TALES INDICATING CLEARANCES FOR UNDERPASS OF OVERHEAD POWER LINES AND PIPEWAYS CROSSING IN PLANT ROADS.
- THE NUMBER PAINTED ON THE SIGN SHALL BE THE CLEARANCE IN FEET AND (ARABIC) METERS BETWEEN CROWN OF ROAD AND HORIZONTAL TELL-TALE WIRE CROSSING THE ROAD. CORRECTED FOR 55°C NO WIND, FINAL SAG.
- THE VERTICAL CLEARANCE BETWEEN HORIZONTAL TELL-TALE WIRE AND BOTTOM OF PIPEWAY OR POWERLINE SHALL BE:-
A.) FOR PIPEWAYS MIN. 600mm SEE NOTE-9
B.) FOR POWERLINES

KV	VERTICAL CLEARANCE	
	MINIMUM	PREFERRED
0-0.75	150	300
0.76-7.5	300	460
7.6-15	600	760
51-75	960	1220
76-125	1120	1520

- OVERHEAD PIPEWAY CROSSING PIPE BASES ON EITHER SIDE OF ROAD TO BE PROTECTED BY VERTICAL CONCRETE FILLED PIPE GUARDS (SEE DETAIL-1), LOCATED AS SHOWN IN DETAIL-2.
- INSTALL GUARD WHEN GUYS ARE EXPOSED TO TRAFFIC.
- POLE HEIGHT VARIES WITH SPECIFIED CLEARANCE AND SIDE SLOPE.
- ANCHORS SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM STREET CORNERS, DRIVEWAYS, CROSS-WALKS AND FOOTPATHS.
- ALL BACKFILL SHALL BE TAMPED IN 150mm LAYERS WITH OPTIMUM MOISTURE CONTENT.
- MINIMUM CLEARANCES AT CROSSINGS ARE SHOWN IN DRAFTING MANUAL INDEX L, SECTION I AND INDEX P, SECTION IV.
- 9.15 METERS MINIMUM ON OPEN HIGHWAYS MAY BE 1.80 METERS MINIMUM IN PLANTS, INDUSTRIAL OR RESIDENTIAL AREAS IF STRUCTURES LIMIT DISTANCE.
- FOR VERTICAL SIGN, ARABIC NUMBERS MUST BE ON TOP OF ENGLISH NUMBERS.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

TYPICAL INSTALLATION DRAWING

REV. NO.	DATE	BY	DESCRIPTION	CHKD.	CERT.	APPD.
06	02-18-87	RLO	REDRAWN AND ADDED TYPICAL INSTALL. DWG. NOTE.			

FOR ARABIAN AMERICAN OIL COMPANY

DRAWN BY PETR. CHECKED BY J.B. SCALE: NONE
DATE STARTED DATE COMPLETED 03-25-82
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 DATE

TELL-TALES
FOR OVERHEAD POWERLINE AND
PIPEWAY CROSSING - DETAILS

STD. DWG.			METRIC	
PLANT NO.	INDEX	DRAWING NO.	SH. NO.	REV. NO.
990	L/P	AB-036667	001	06