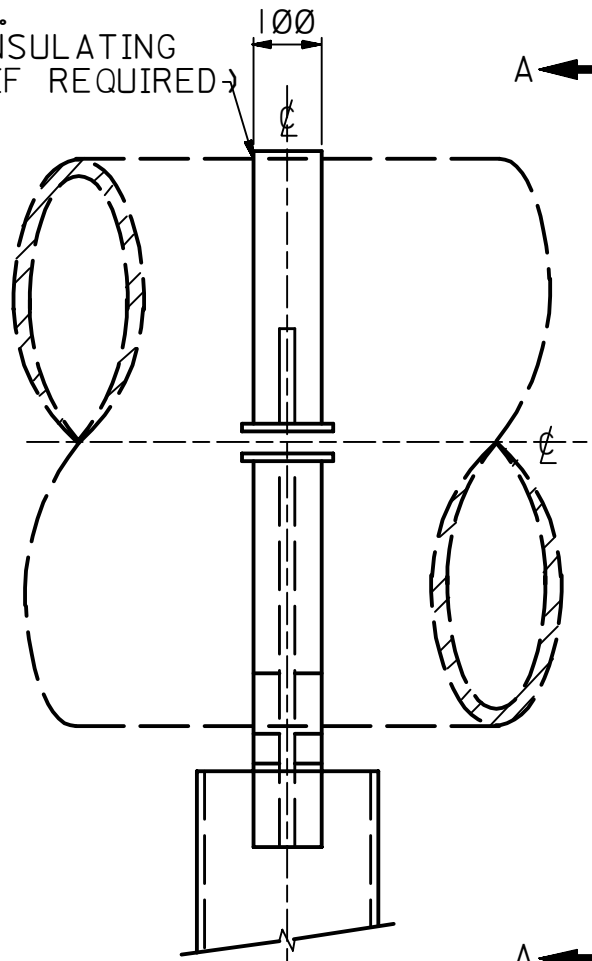


90	100	86693068	7	Ø66
ON REV.	SH. NO.	DRAWING NO.	INDEX	PLANT NO.

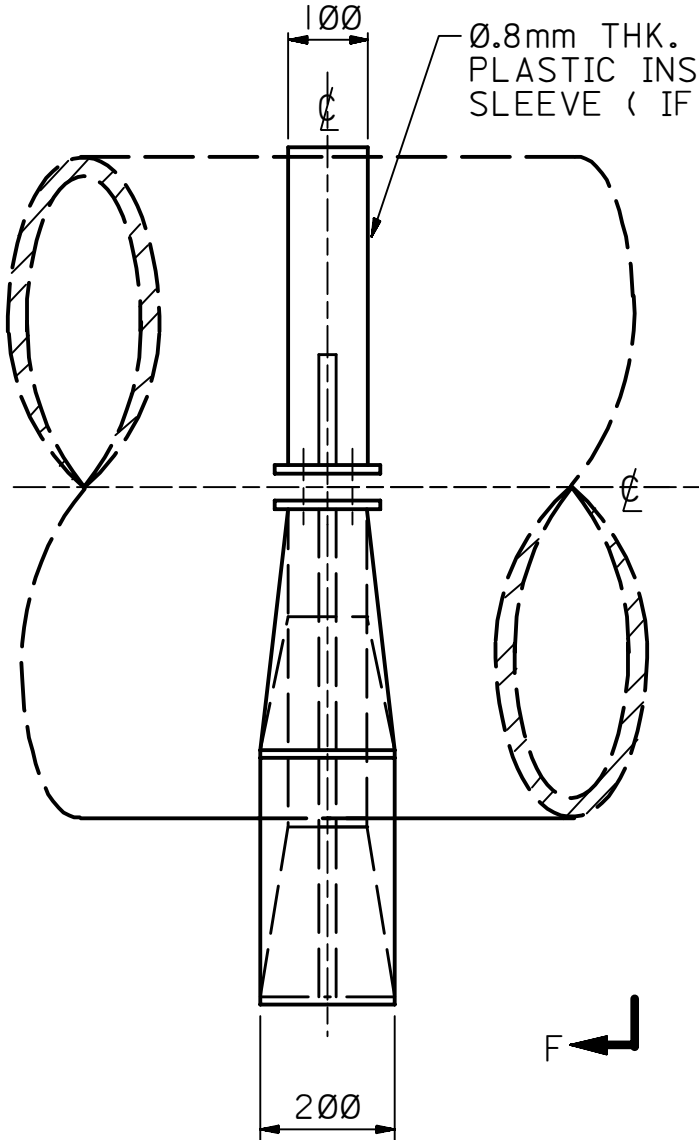
Ø.8mm THK.
PLASTIC INSULATING
SLEEVE (IF REQUIRED)



ELEVATION

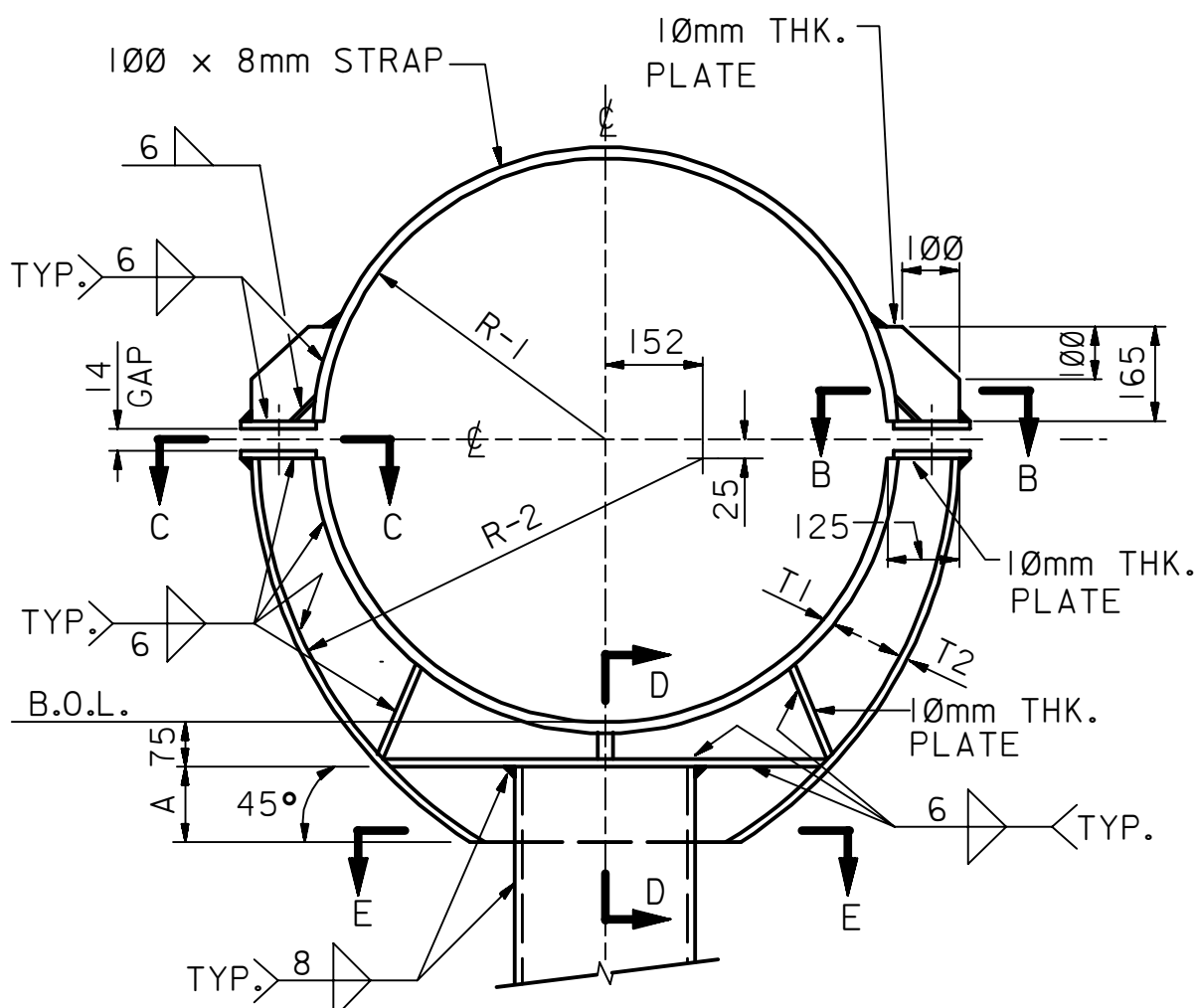
TYPE-1

Ø.8mm THK.
PLASTIC INSULATING
SLEEVE (IF REQUIRED)

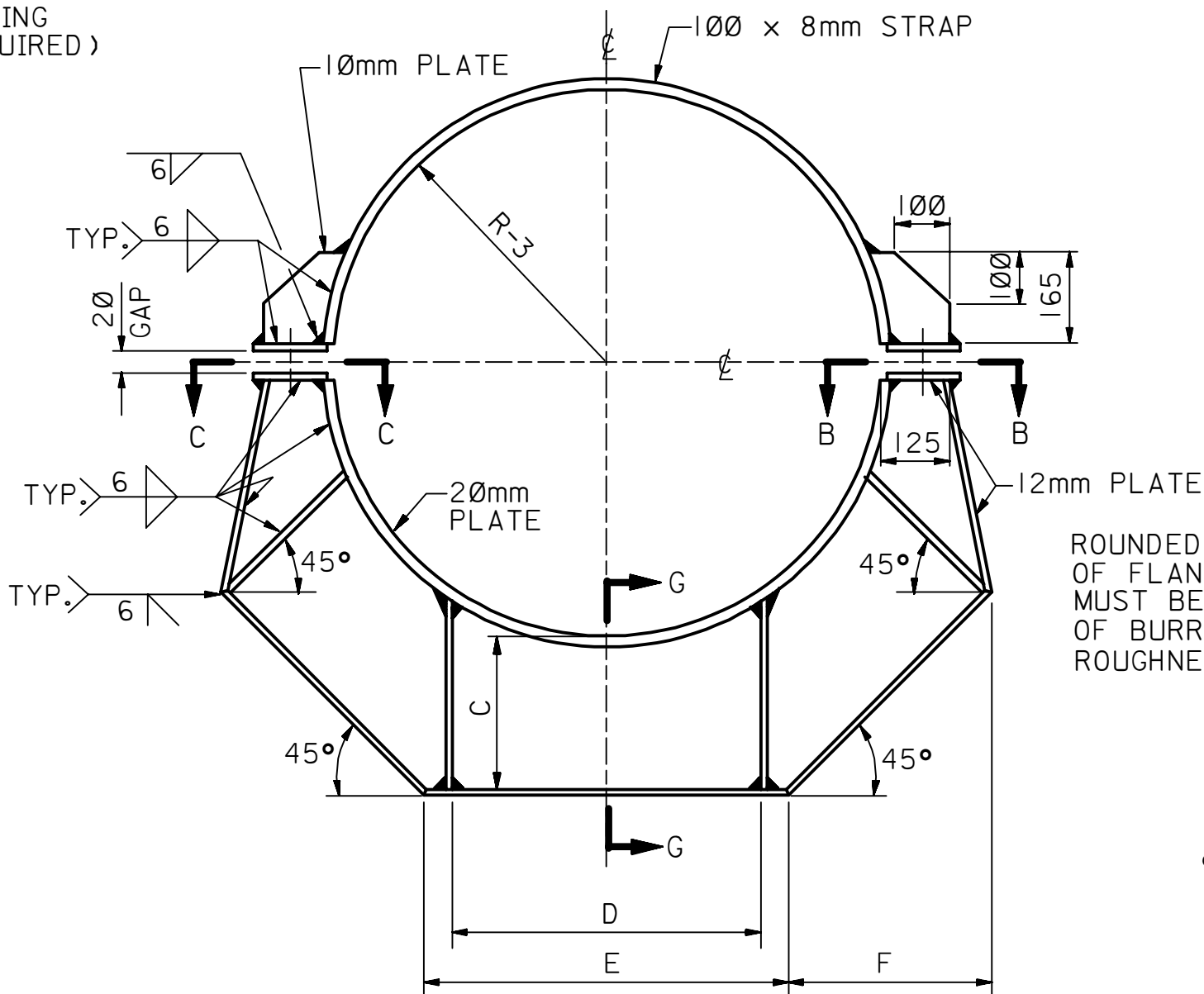


ELEVATION

TYPE-2

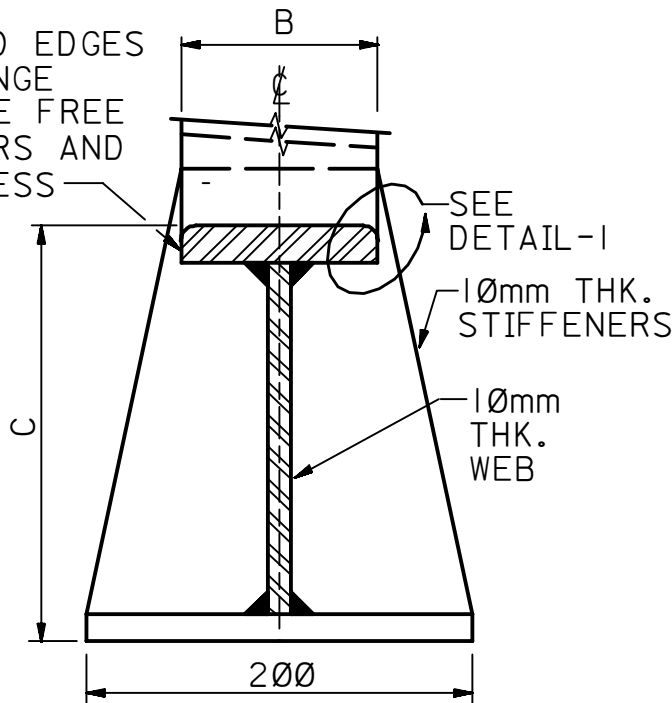


SECTION A-A

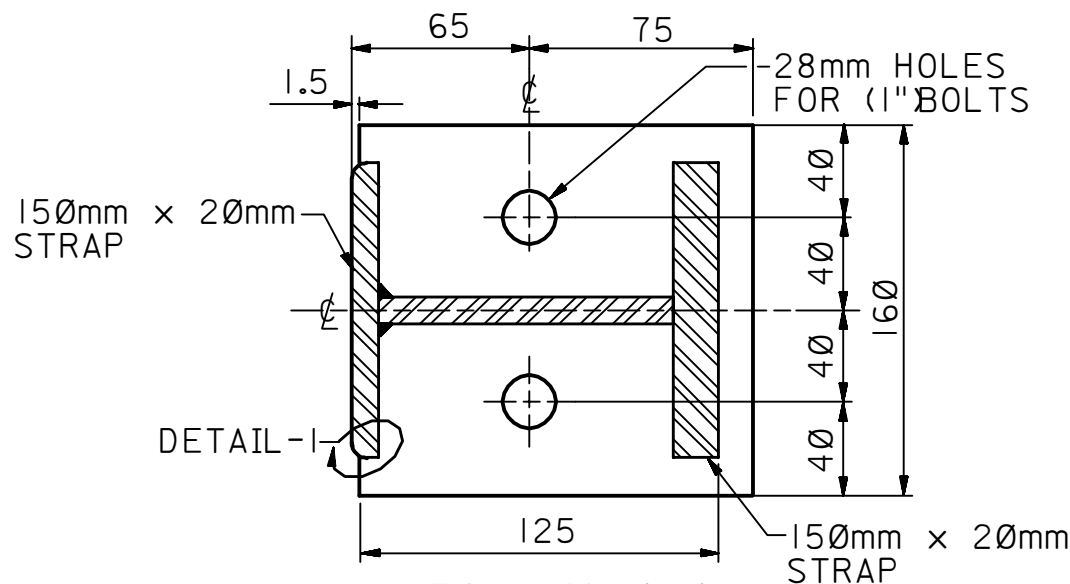


SECTION F-F

ROUNDED EDGES
OF FLANGE
MUST BE FREE
OF BURRS AND
ROUGHNESS

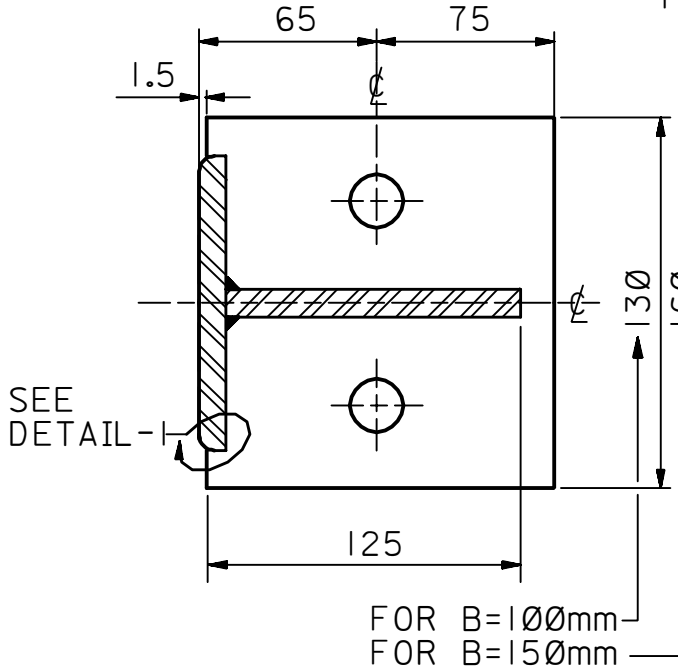


SECTION G-G

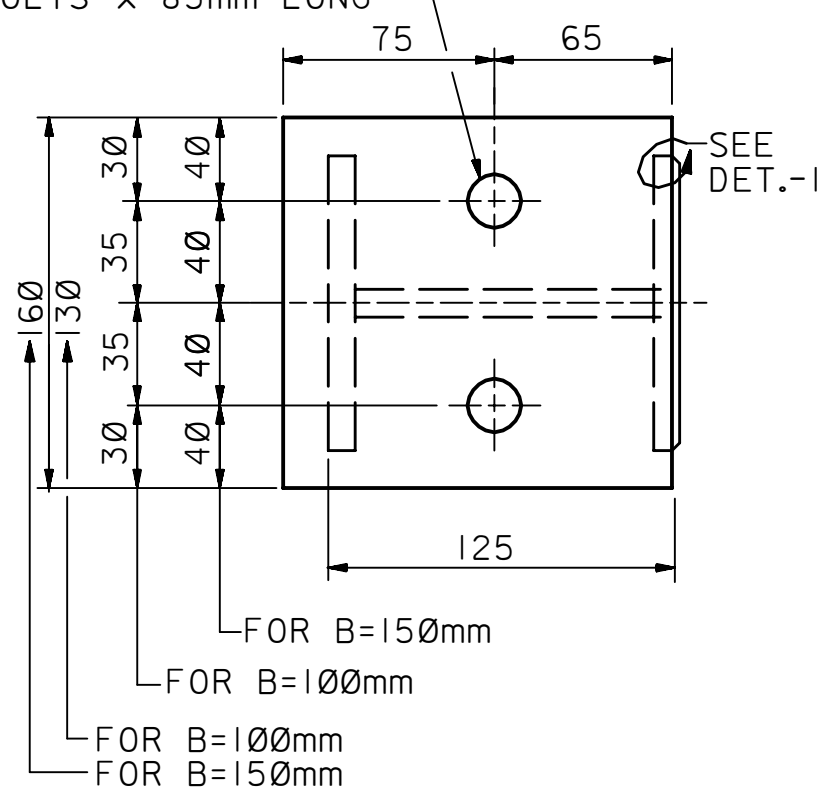


SECTION H-H

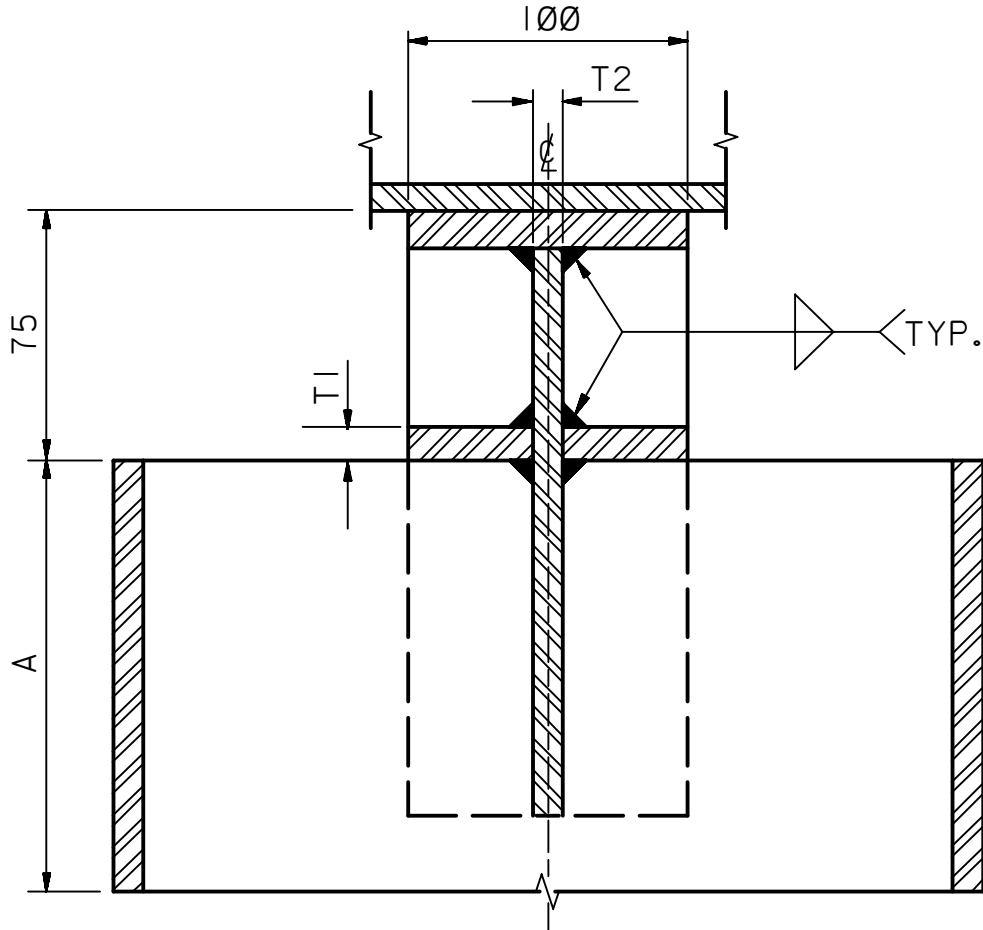
FOR PIPE SIZE 18"-42", 19mm DIA. HOLES
FOR 5/8 " DIA. BOLTS x 64mm LONG
FOR PIPE SIZE 46"-48", 28mm DIA. HOLES
FOR 1" DIA. BOLTS x 83mm LONG



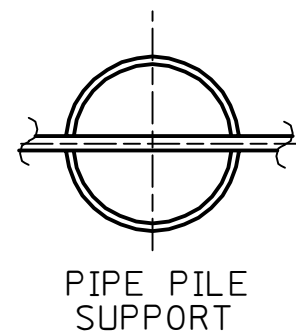
SECTION B-B



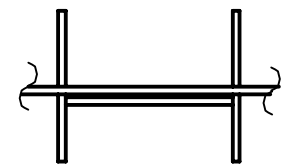
SECTION C-C



SECTION D-D

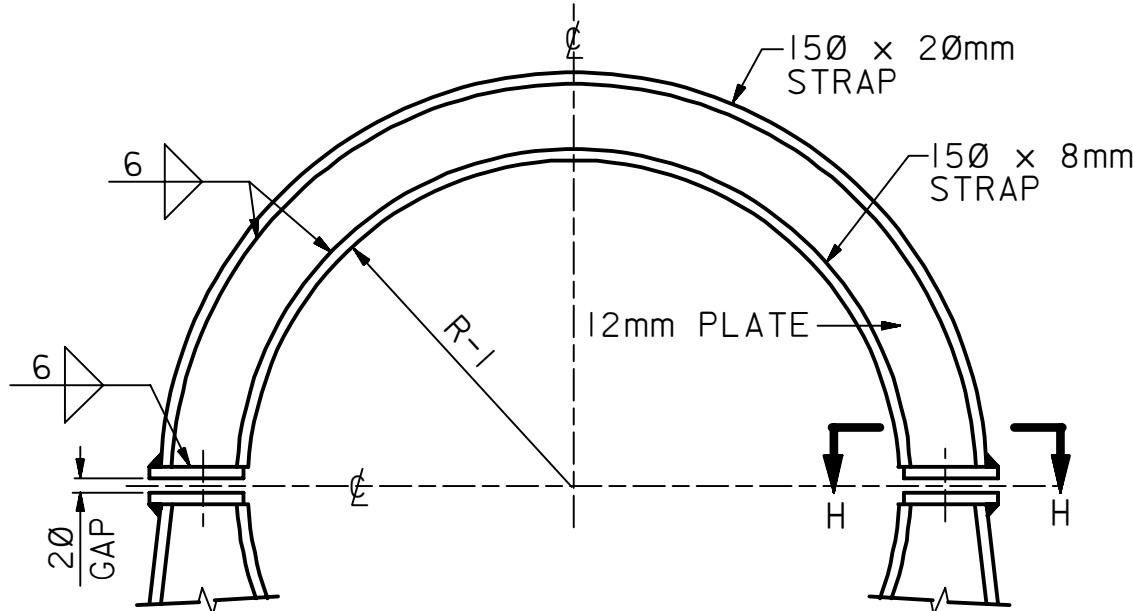


PIPE PILE
SUPPORT



ALTERNATIVE H-PILE
SUPPORT

SECTION E-E



TOP HALF FOR GIRDER AT
OVERBEND OR SAGBEND FOR
46" AND 48" PIPELINES



DETAIL-1

NOTES

- VENDOR TO PROVIDE A-307 BOLTS WITH NUTS AND TWO CIRCULAR WASHERS PER BOLT.
- ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

INSPECTION REQUIREMENTS

A MACHINE STEEL CYLINDER OF SPECIFIED RADIUS R-1 SHALL BE PLACED ON BOTTOM PART OF EACH GIRDER.

TOP HALF OF GIRDER SHALL BE BOLTED OVER STEEL INSPECTION CYLINDER AND GIRDER BOLTS SHALL BE TIGHTENED AFTER INSERTING SPACERS BETWEEN BOTTOM AND TOP FLANGE.

TO INSPECT INSERT FEELER GAUGES BETWEEN CYLINDER AND SADDLE FROM SIDES WHERE THERE IS A PARTIAL OR FULL GAP BETWEEN CYLINDER AND SADDLE.

FEELER THICKNESS	MAXIMUM ALLOWABLE
2.540mm	NO GO AT ANY POINT
1.524mm	PENETRATION UP TO 38mm AND OVER ARC LENGTH UP TO 90°
Ø.762mm	PASS THROUGH OVER AN ARC LENGHT UP TO 45°

TYPICAL INSTALLATION DRAWING

Ø5	Ø2-Ø7-87	RLO	REDRAWN AND ADDED TYPICAL INSTALL. DWG. NOTE.			
REV. NO.	DATE	BY	DESCRIPTION	CHKD	CERT.	APPD.

FOR ARABIAN AMERICAN OIL COMPANY

DRAWN BY N.N. CHECKED BY SCALE: NONE

DATE STARTED DATE COMPLETED 03-04-71

OPR'G. DEPT. ENG. DEPT.

APP'D. FOR CONST. 03-09-71

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

CERTIFIED
DATE 03-08-71

FABRICATED GIRDER FOR PIPELINE REPAIR

STD. DWG.				METRIC	
PLANT NO.	INDEX	DRAWING NO.	SH. NO.	REV. NO.	
990	L	AB-Ø36998	ØØ1	Ø5	