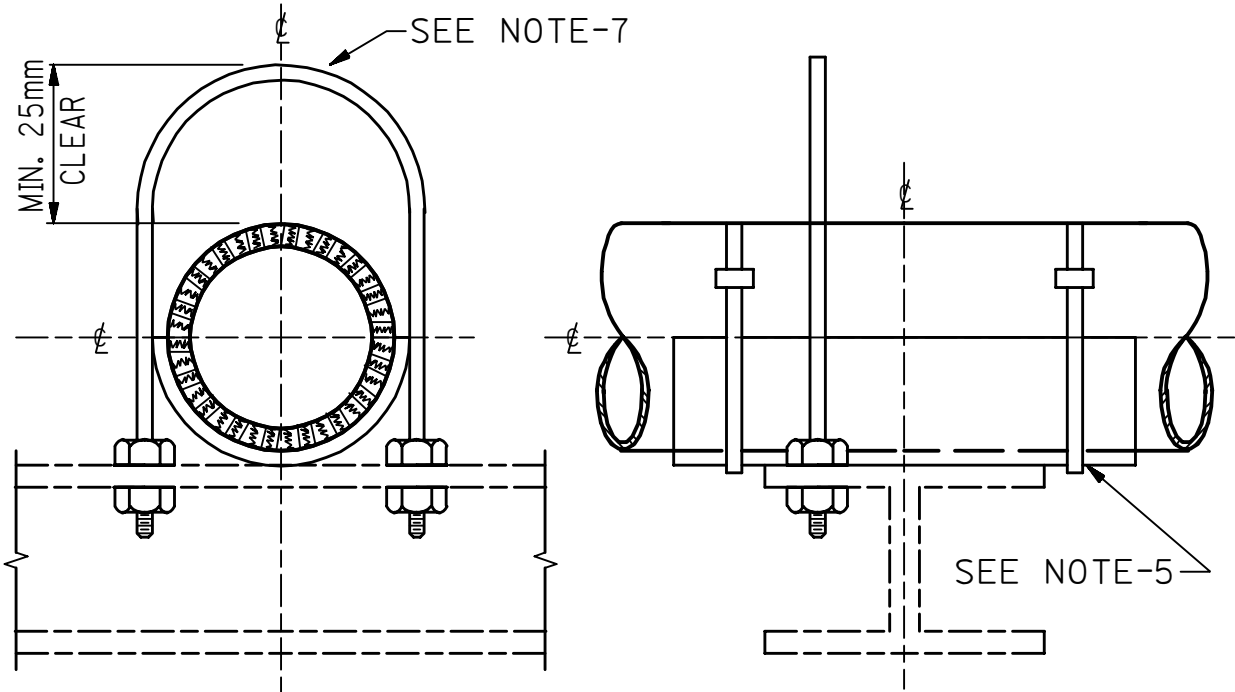
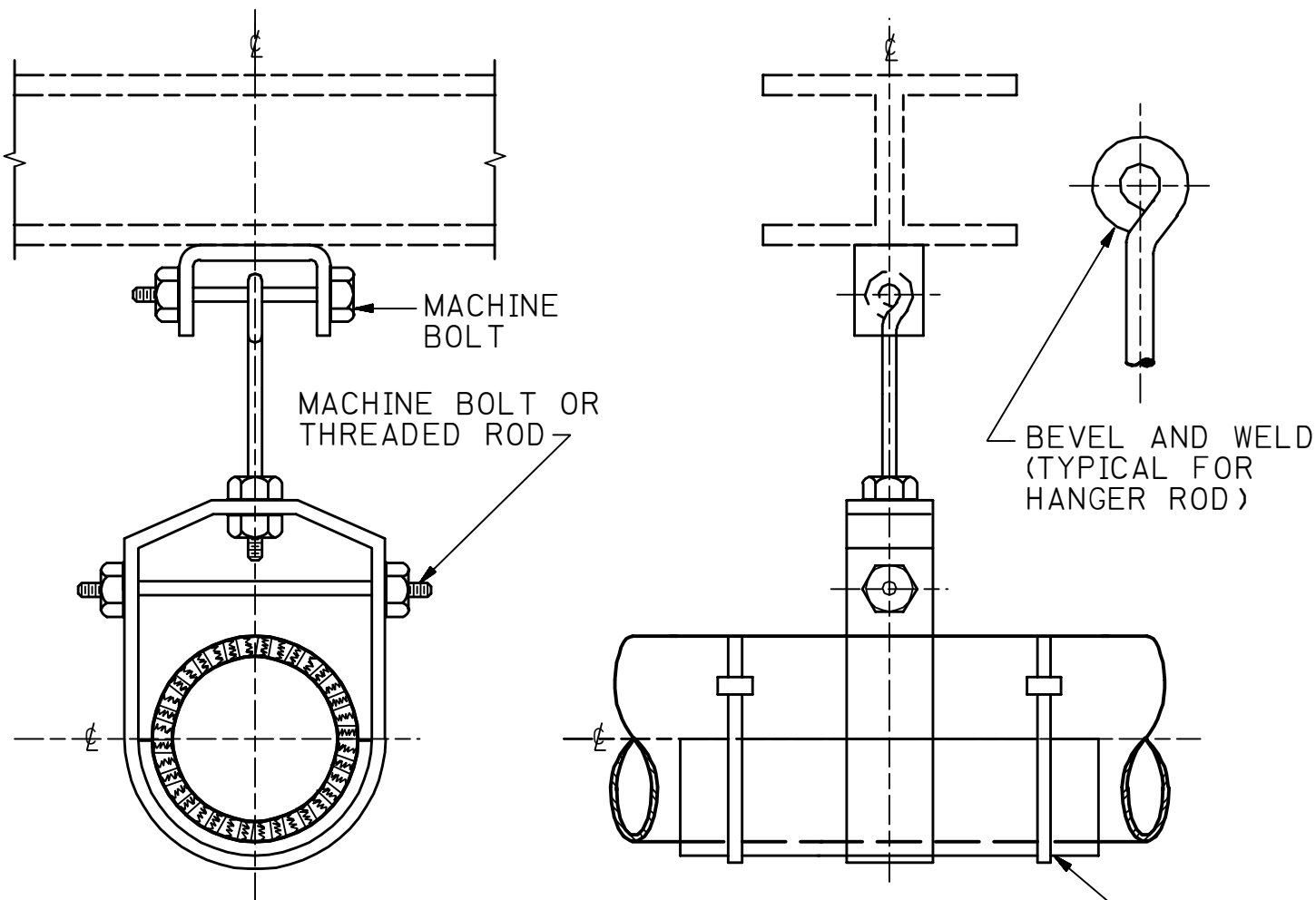


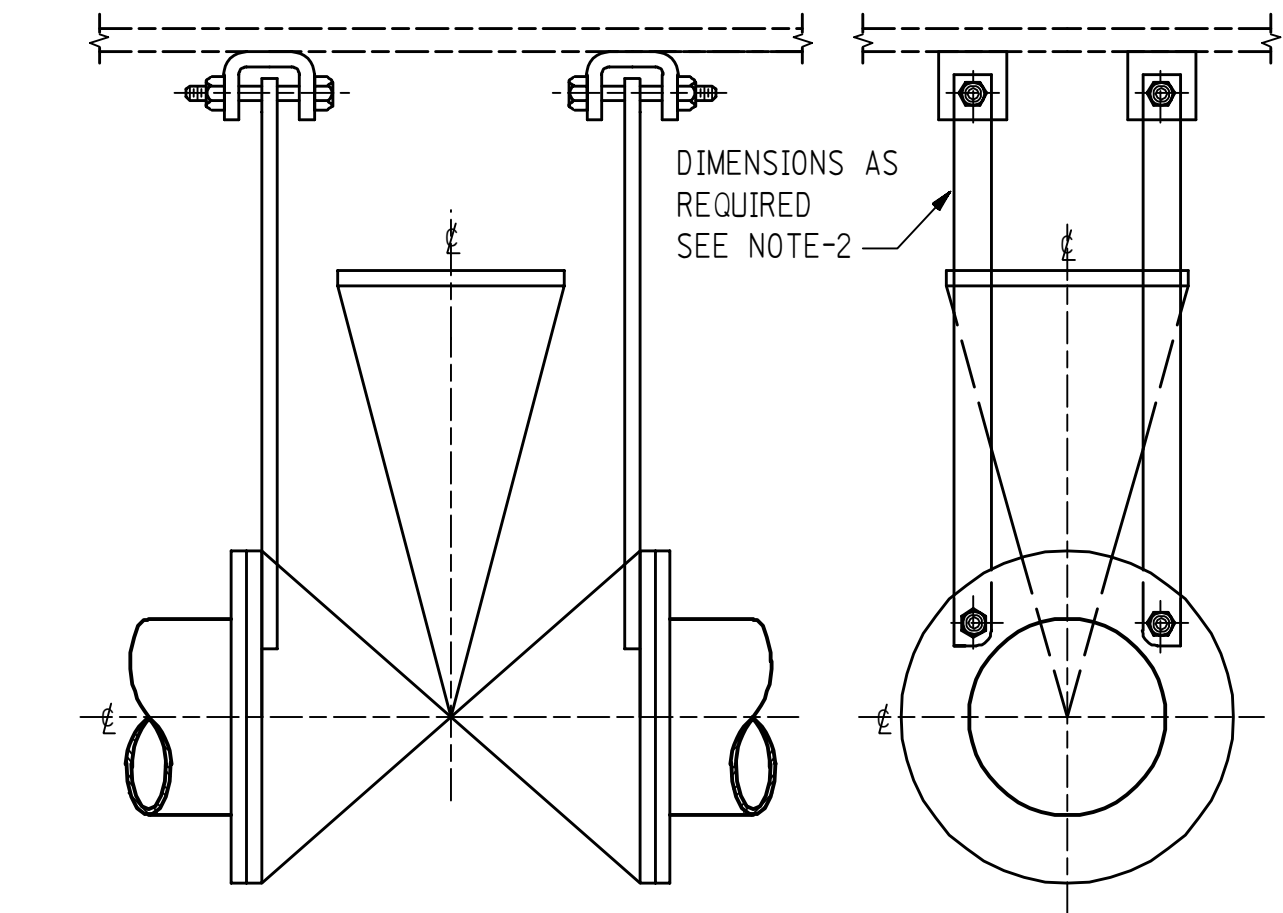
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ON REV. NO.	SH. NO.	DRAWING NO.	INDEX	PLANT NO.



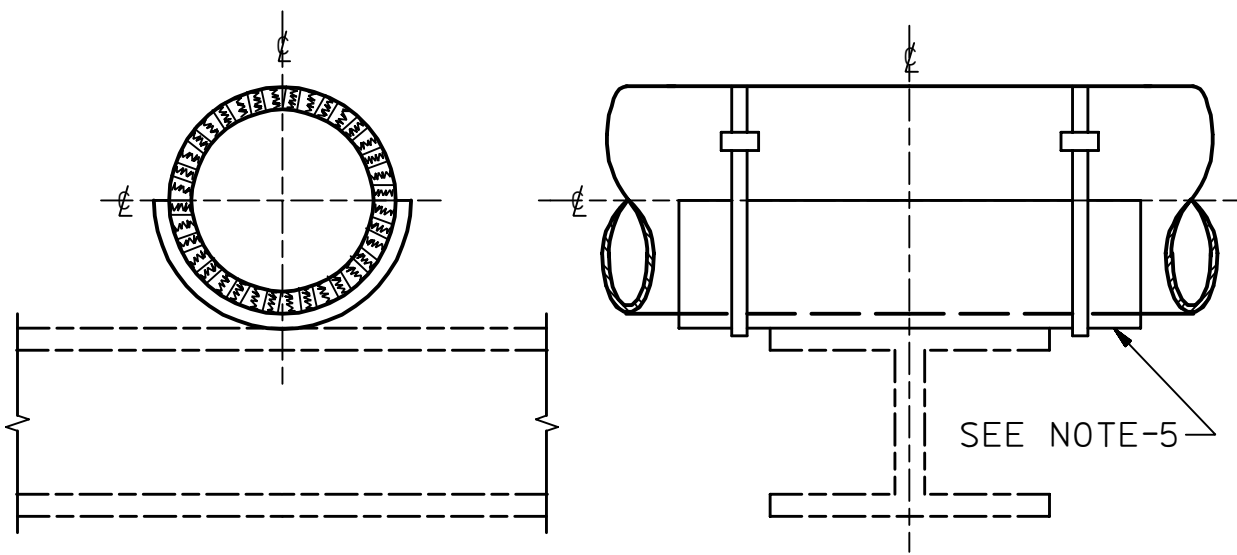
DETAIL-1
U-BOLT GUIDE



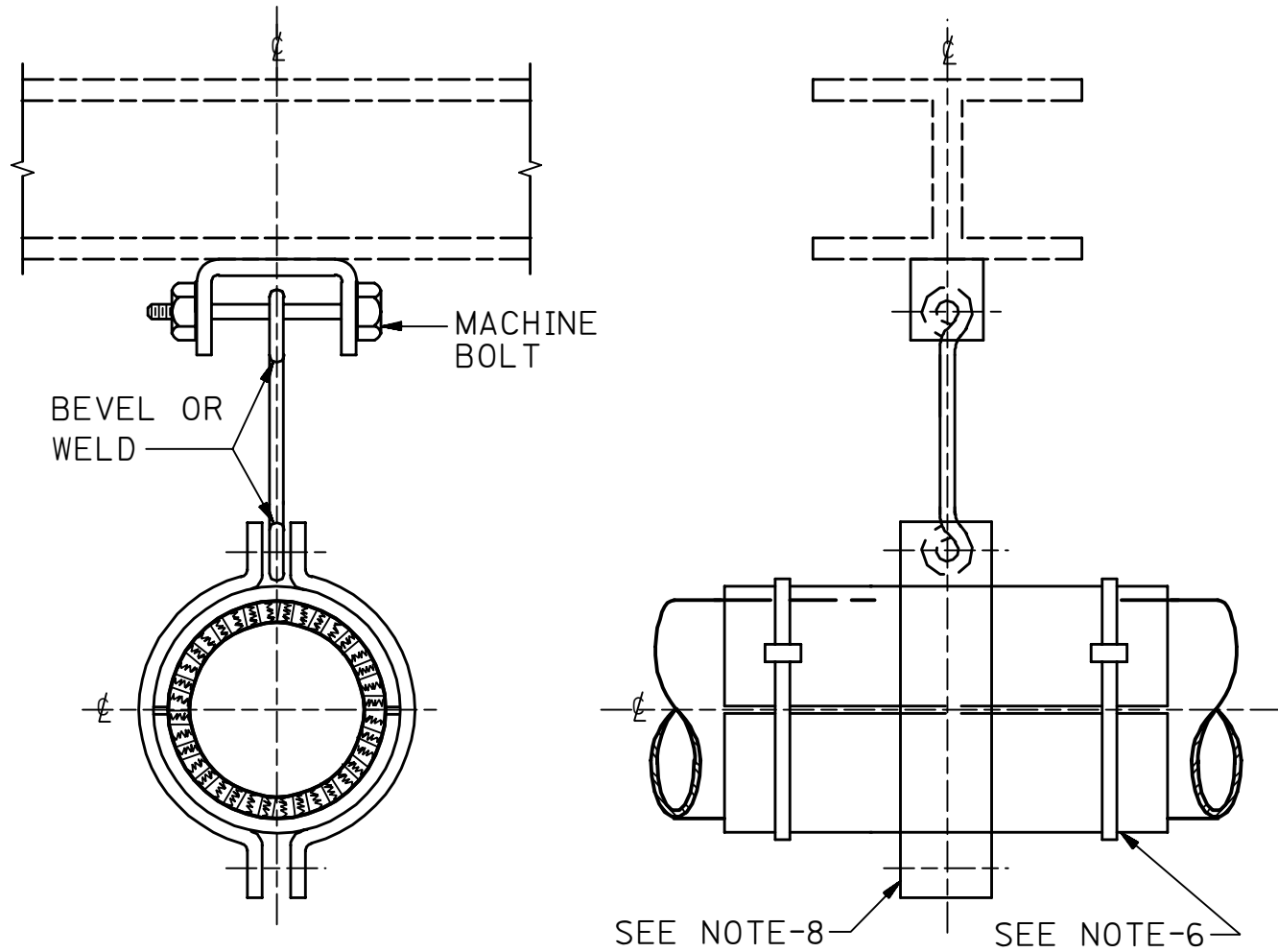
DETAIL-4
HANGER GUIDE



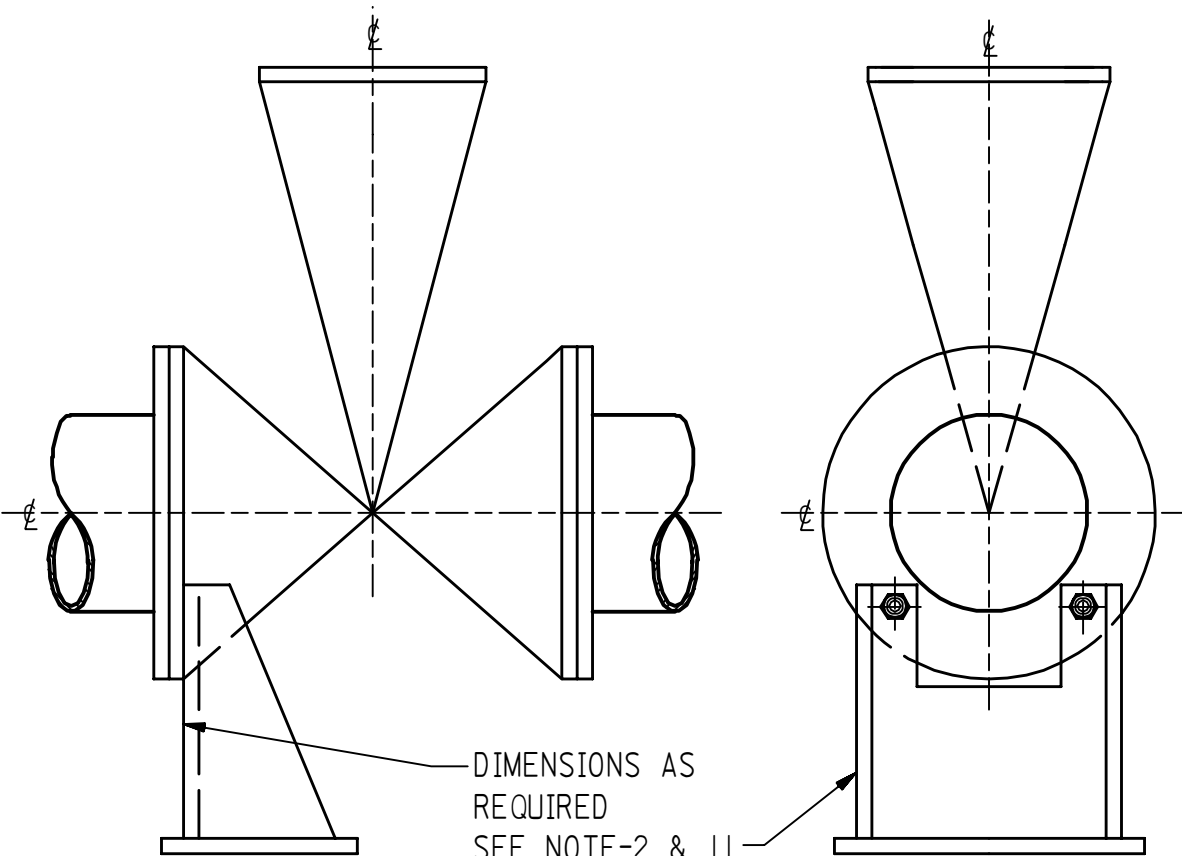
DETAIL-7
VALVE HANGER
SEE NOTE-9



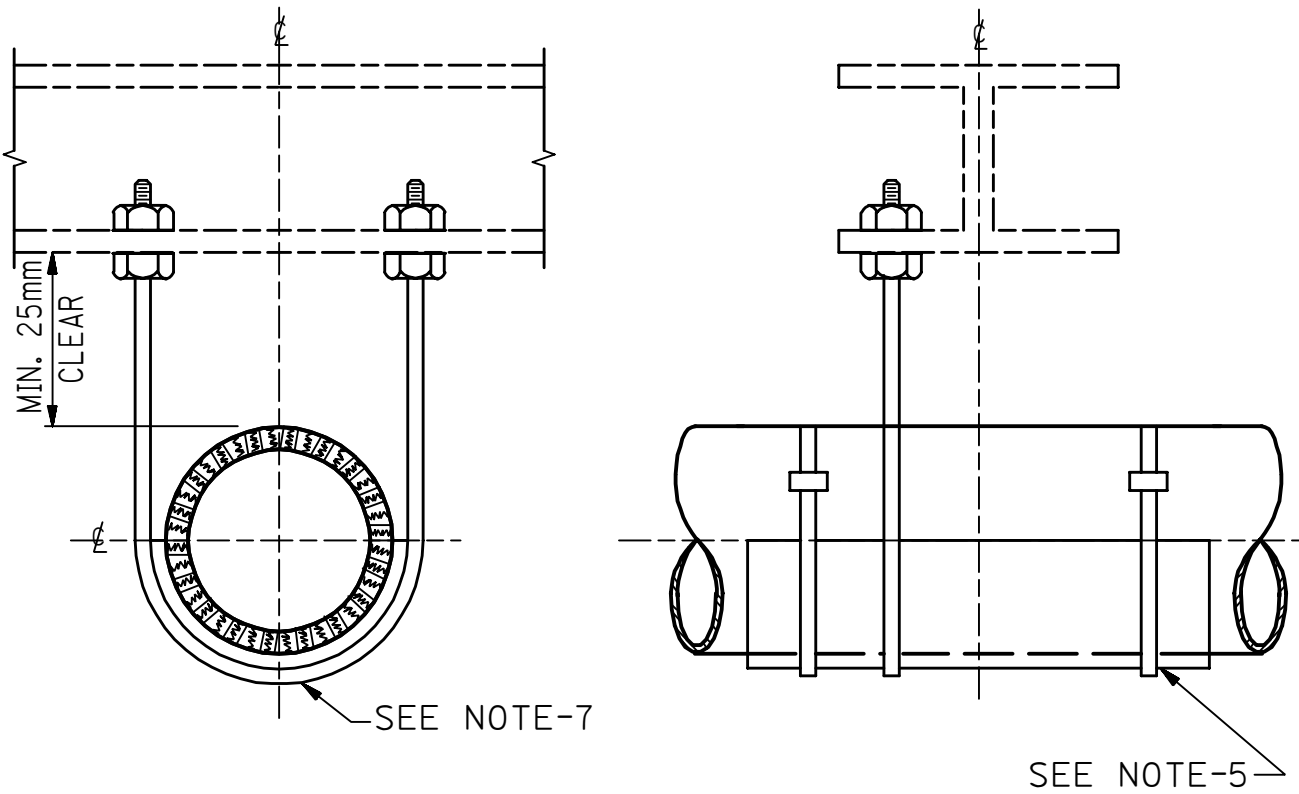
DETAIL-2
SUPPORT



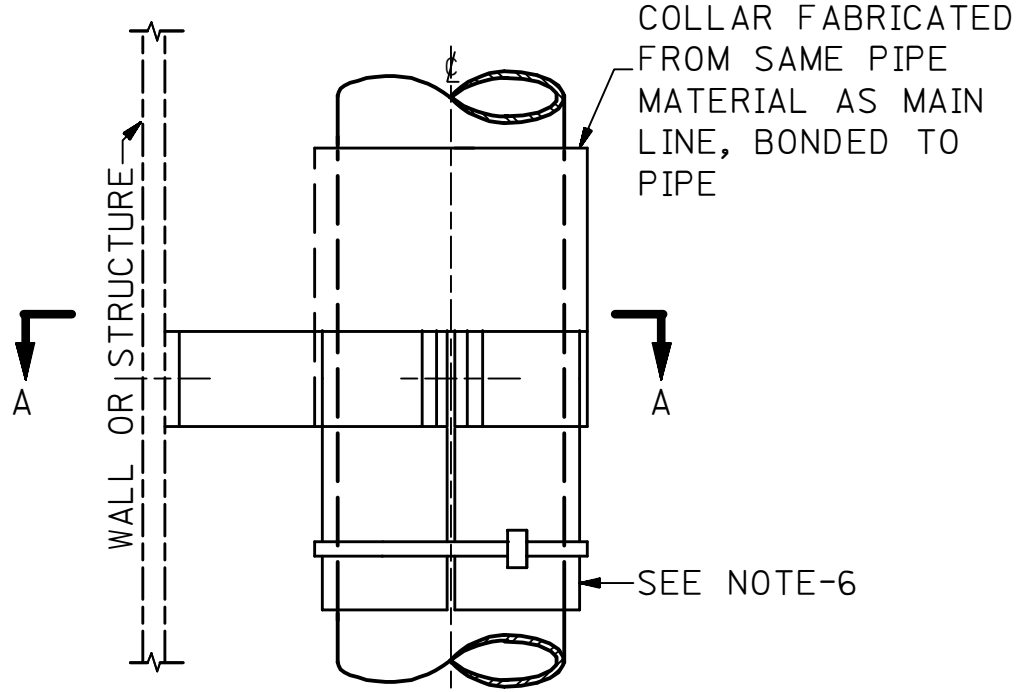
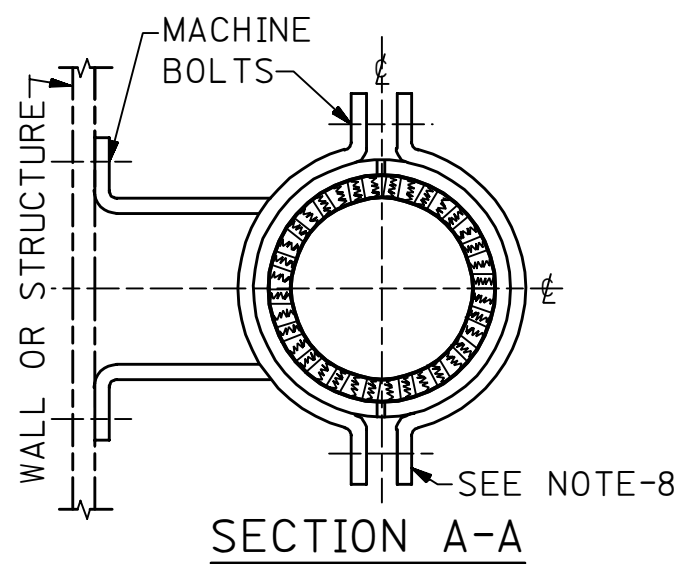
DETAIL-5
CLAMP TYPE HANGER



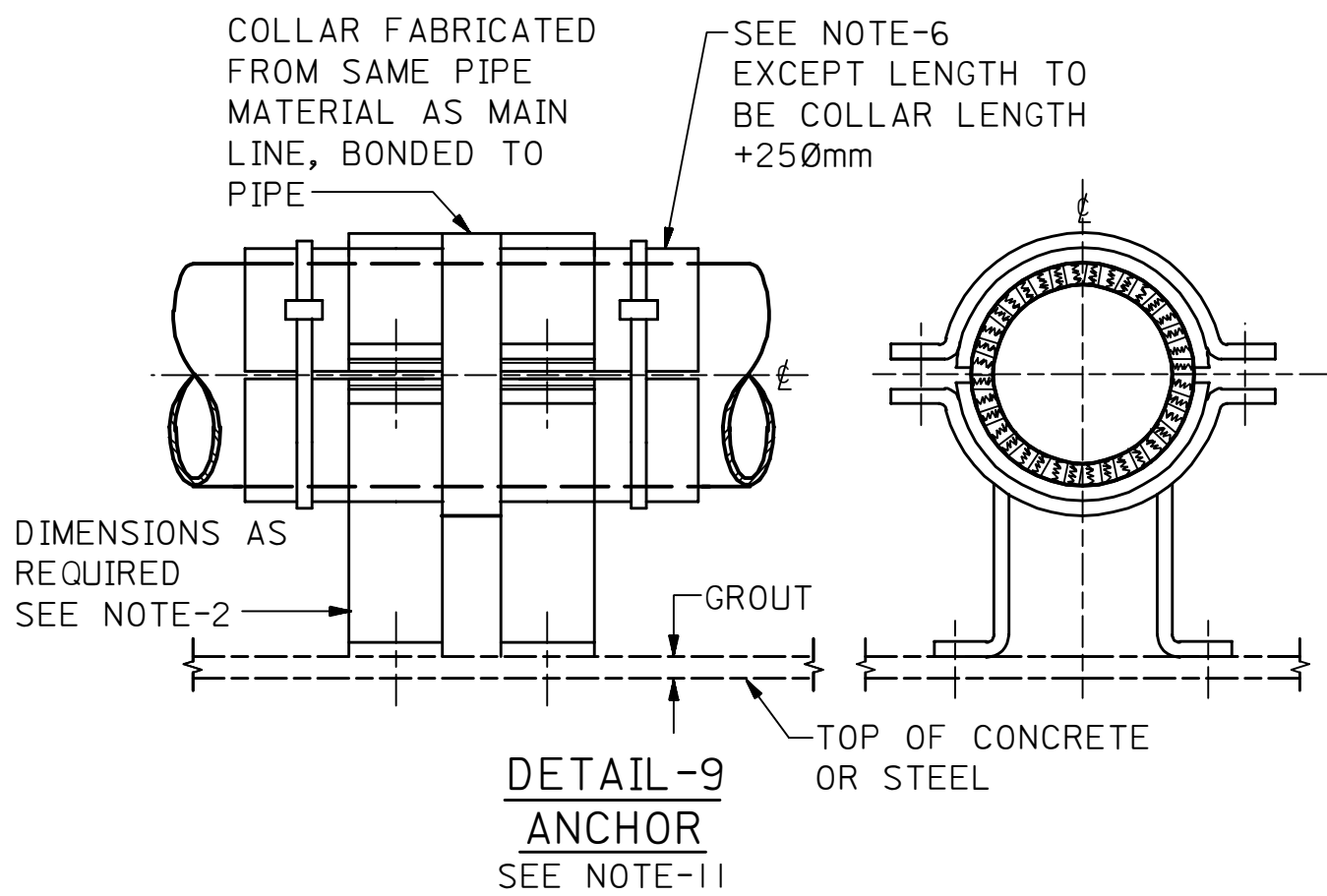
DETAIL-8
VALVE SUPPORT
SEE NOTE-9



DETAIL-3
U-BOLT HANGER



DETAIL-6
VERTICAL GUIDE OR SUPPORT



NOTES

- FOR REINFORCED THERMOSETTING RESIN PIPE (RTRP), SEE Ø1-AMSS-34 AND Ø1-AMSS-29. FOR THERMOPLASTIC PIPE SEE SAS 14/15, ASTM D-1785, ASTM F-441 AND ASTM D-2661.
- TYPE, DETAIL DIMENSIONS AND LOCATION OF SUPPORTS, GUIDES AND ANCHORS ARE TO BE DETERMINED BY ANALYSIS OF THE PIPING SYSTEM CONSIDERING ALL STATIC AND DYNAMIC CONDITIONS. IN ACCORDANCE WITH ANSI/ASME B31.3 A319.
- FOR SUPPORT SPACING REFER TO MANUFACTURER'S RECOMMENDATIONS.
- SUPPORTS SHALL BE PLACED UNDER BELLS, SPIGOTS OR FACTORY MADE JOINTS.
- INSTALL A 3mm THICK x ONE PIPE DIA. LONG 150mm x 180° STEEL SADDLE WITH ADHESIVE BOND AND/OR STAINLESS STEEL STRAPS.
- INSTALL A 3mm THICK x 200mm LONG FULL SLEEVE WITH ADHESIVE BOND AND/OR STAINLESS STEEL STRAPS.
- BAR DIAMETER FOR DETAILS 1, 2, 3,4 AND 5:
12mm FOR PIPE SIZES 50mm THROUGH 200mm
16mm FOR PIPE SIZES 250mm THROUGH 300mm
20mm FOR PIPE SIZES 400mm THROUGH 600mm
25mm FOR PIPE SIZES 700mm THROUGH 900mm
32mm FOR PIPE SIZES 1000mm THROUGH 1400mm
- AT DETAILS 4, 5 AND 6 USE:
FOR PIPE SIZES 50mm THROUGH 100mm CLAMP WIDTH 50mm
MACHINE BOLT SIZE 1/2 "
FOR PIPE SIZES 150mm THROUGH 300mm CLAMP WIDTH 75mm
MACHINE BOLT SIZE 5/8 "
FOR PIPE SIZES LARGER THAN 300mm CLAMP WIDTH 100mm
MACHINE BOLT SIZE 3/4 "
ALL BOLTED CONNECTIONS TO BE PROVIDED WITH LOCK WASHERS.
- VALVES AND PIPE ARE TO BE SUPPORTED INDEPENDENTLY.
FOR VALVES OVER 200mm SIZE USE TWO SUPPORTS.
- ALL STEEL PARTS TO BE GALVANIZED, EXCEPT STAINLESS STEEL STRAPS.
- AT ANY TRANSITIONS FROM PLASTIC PIPE TO STEEL PIPE, THE STEEL PIPE SHALL BE ANCHORED.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MANDATORY DRAWING

Ø2	Ø1-18-87	RLO	REDRAWN, REVISED AND ADDED MANDATORY DWG. NOTE.			
REV. NO.	DATE	BY	DESCRIPTION	CHKD	CERT.	APPD.

FOR ARABIAN AMERICAN OIL COMPANY

DRAWN BY G.G. CHECKED BY P.T. SCALE: NONE
DATE STARTED 03 1979 DATE COMPLETED 07' 1981
OPR'G. DEPT. ENG. DEPT.
APP'D. FOR CONST. Ø7-20-81

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

CERTIFIED DATE 10-13-74

SUPPORTS

FOR PLASTIC PIPING

STD. DWG.			METRIC	
PLANT NO.	INDEX	DRAWING NO.	SH. NO.	REV. NO.
990	S	AB-Ø36155	ØØ1	Ø2