

FLUOR

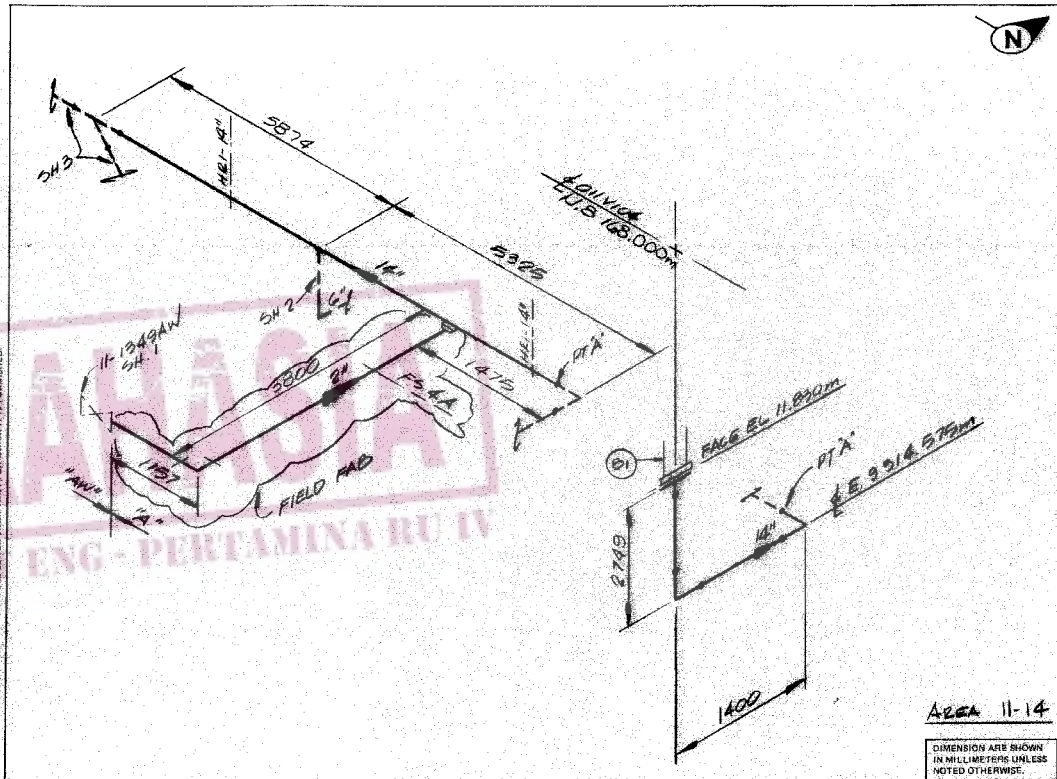
PIPING BILL OF MATERIAL

09/30/81

CONTRACT NO.	477804	REV.	01	DATE	01/01/81	CLASS	IA	BY		REV.	01
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REV NO.	ITEM CODE	QUANTITY	SIZE	DESCRIPTION
				SHOP FABRICATION MATERIAL
	0355896	148	14	PIPE STD WF SMLS STL A53-B
	0374114	2	14	ELL 90 DEG LS STD WF STL A234 WPB
	0854395	1	14	FLG WF 150# RP STL STD SORR A105
				FIELD FABRICATION MATERIAL
	0532671	1	12 X 2	SOCKET 300# STL A105
				FIELD ASSEMBLY MATERIAL
	FS4A			FIELD SUPPORT PER FLUOR DWG 1-784A
	NRL	2	14	PIPE HANGER ASSY PER FLUOR DWG 1-NR1
	0670139	1	14	GASKET 150# CORR D3AF RING 1/8" THK
	0675648	12	1 X 5	STUD-BOLT A190 GR BY W/A194 GR 2H NUTS
				FIELD SCRUB - S.W. MATERIAL
	0355898	5W	2	PIPE SCH 80 SMLS STL A53-B
	0478830	1	2	ELL 90 DEG 300# SW STL A105

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Area 11-14

DIMENSION ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.

DATE 9/22/81 BY M.D. APPROVED CK AZ

CONSTRUCTION STRESS APP.

DATE 19 MAR 81 CONTRACT NO. 477804 SHEET NO. 01 OF 11

FLUOR

FABRICATION SPECIFICATION	SP-80-2	YES	NO
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SHOP FAB #1	
FIELD FAB	
INTERNAL CLIPPING REQUIRED	
POST WELD HEAT TREATMENT	
ASME FOR LIQUID PIPING	
STAINLESS STEEL WELD SCREWED JOINTS AS NOTED	

PROCS. GUIDES, CHADLES	No. Reqs.	Dwg. No.	No. Reqs.
10104			

NUMBER OF BRANCH WELDS	3"	4"	6"	8"	10"	12"

SEQUENCE OF FRICTION	23
DIFFICULTY FACTOR	

LINE COMMODITY	NAPHTHA	VAPOR
CONDITION		LIQUID

DESIGN	5.0	63
OPERATING	1.5	
PRESSURE MIN.		
TEST MAX.		

INSULATION	IN	II	III	IV	NONE
TOTAL SPOOL					
AS NOTED					

TRACING	YES	NO
STEAM TRACE		
NO		
SIZE		

ELECT. TRACE		
HEAT TRANSFER CEMENT RECD.		
STRESS REVIEW REQUIRED		

PIECE MARK NUMBER	COLOR	AREA	LINE NO.	PIECE NO.
	Orange	11	1307A	MK-1 AS NOTED

DR. M. DONIS	DATE 19 MAR 81
CONTRACT NO. 477804	SHEET NO. 01 OF 11
LINE NO. 11-1307A	

1=METERS