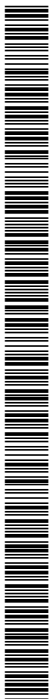


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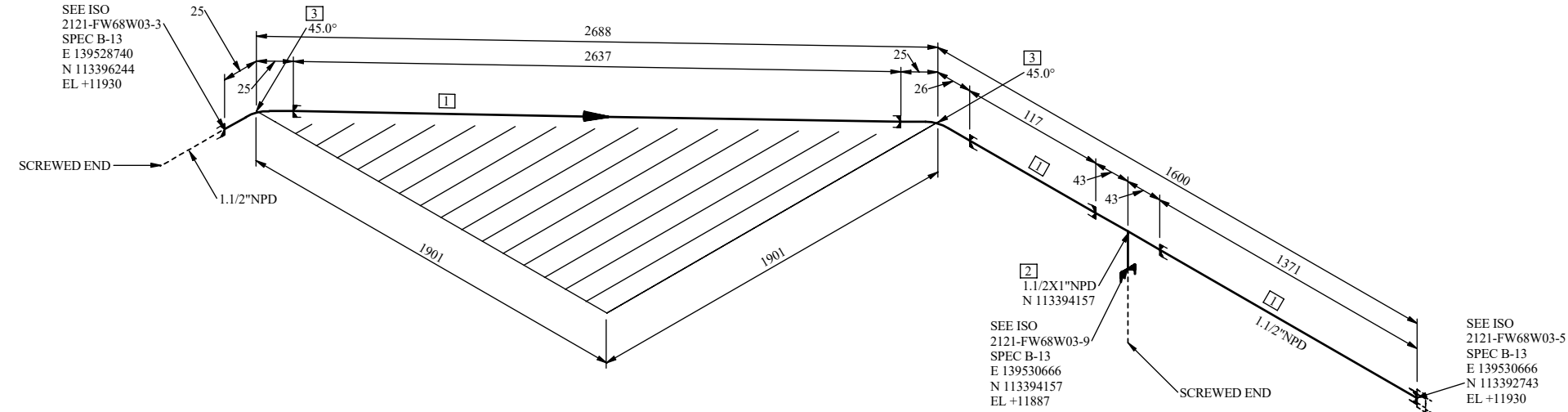


EXTR. DATE: 18-04-2023 10:33:45

STREAM NO.: 74

STREAM REV. NO. : 7

REV. CAUSE ID:



SEE ISO
2121-FW68W03-3
SPEC B-13
E 139528740
N 113396244
EL +11930

SEE ISO
2121-FW68W03-9
SPEC B-13
E 139530666
N 113394157
EL +11887

SEE ISO
2121-FW68W03-5
SPEC B-13
E 139530666
N 113392743
EL +11930

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C111/2XS> (N/A).	1.1/2	I145610	4.2 M	
FITTINGS					
2	REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <RTEG300KBK11/21> (L-RTE01).	1.1/2X1	I214977	1	
3	45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD <45TG300KBK11/2> (L-8908).	1.1/2	I214934	2	

REMARKS FOR MECHANICAL SUBCONTRACTOR:
1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.
2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.
3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✕ , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT
4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.
5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.
6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.
7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.
8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603).
9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.

SUPPORTS LEGEND: ☐ DENOTES PARTS LIST NO — PIPE SUPPORT — A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE ☐ WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.



							STRESS CALC. N° -
							P & ID 19-A-19-000-1-01-00001 sheet 124
00	ISSUED FOR REFERENCE	21-APR-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 3

ISSUED FOR REFERENCE

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1-1/2"-FW-68W03-B-13

PIPE MATERIAL		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102. 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021. 4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160. 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "~N/A~" MEANS UNICODE IS "NOT AVAILABLE".				
CS, Galvanized						
HEAT TREATMENT (PWHT) -						
PAINTING SCHEME (3) 4		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121FW68W03-4	PROJECT: 4001008		
PIPING CLASS B-13						
WELDING CLASS (4) -		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>				
PED CATEGORY Art 4.3						
INSULATION CODE / THK. (mm) N 0		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W03-4		REV. 00