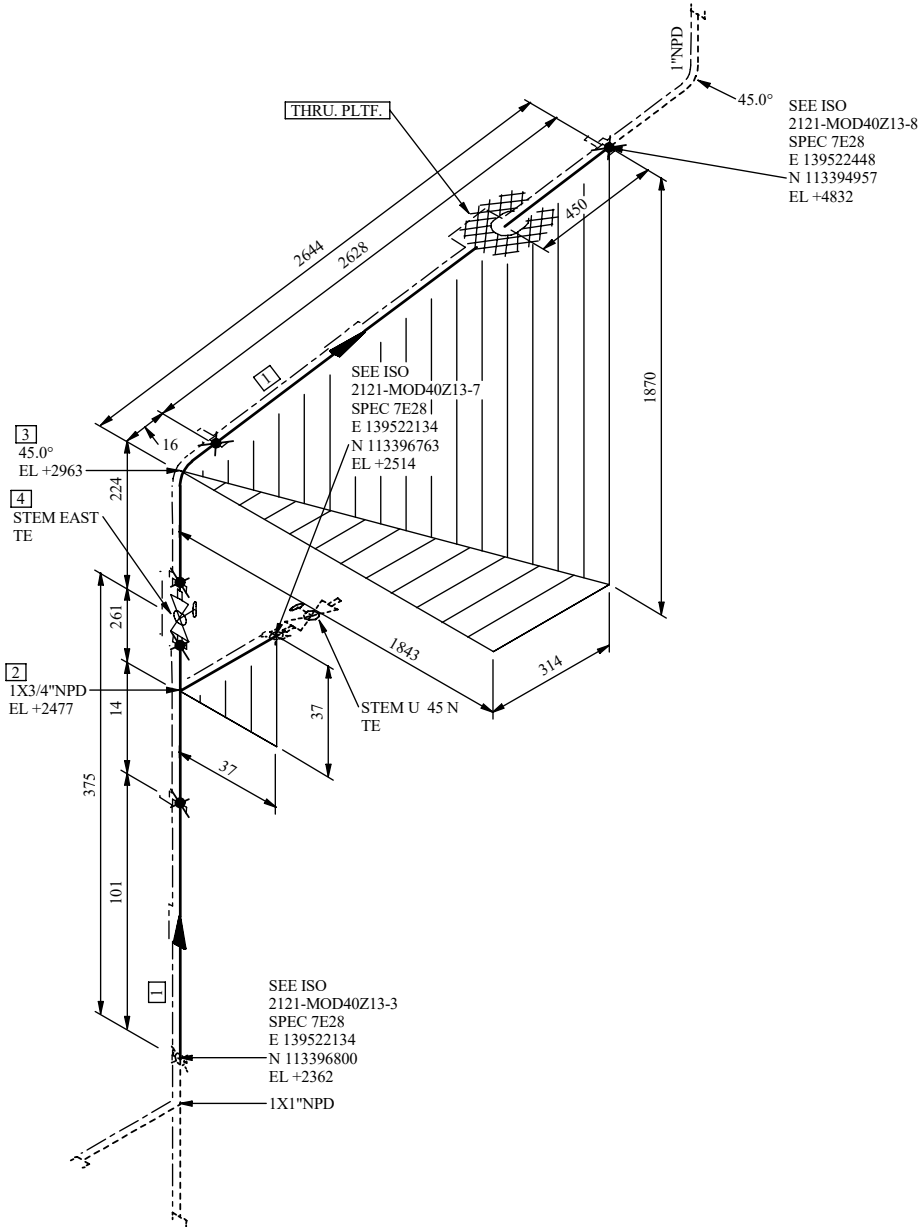






THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).

EXTR. DATE: 08-07-2023 11:50:34 STREAM NO.:4924 STREAM REV. NO. : 9 REV. CAUSE ID:



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 51
00	ISSUED FOR REFERENCE	07-JUL-23	M.YADAV	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 1

ISSUED FOR
REFERENCE

Signature for construction is shown
on Iso list of relevant CWA


ISOMETRIC DRAWING
LINE

1"-MOD-40Z13-7E28 (ET)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-80S <PIPB04DA2180S> (L-PIP110)	1	I2257957	2.8 M	
FITTINGS					
2	REDUCING 45 LATERAL ASME B16.11/AA 3000# A182-F304/304L DUAL GR SWE SWE - R18RNL2A1101 Undefined <LR4B450LB1211> (L-LR404)	1X3/4	I2498649	1	
3	45 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R32FNL2A1101 NREQD <45FB450LBK1> (L-45F04)	1	I2258129	1	
VALVES / IN-LINE ITEMS					
4	NIPPLED BALL VALVE BS EN ISO 17292 800# A182-F316/316L DUAL GR PE PE 316/R-PTFE, GF A193-B8M CL2/8MA 3PSB-FULL BORE FLOATING BALL OHW SCH1-80S SCH2-80S LENGTH 75mm V36FIL1MZZAN NREQD <B61L-AL178> (L-AL178)	1	I63522756	1	

- 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".

CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
	4274-XH-DL-2121MOD40Z13-2	4001008
LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT		
CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121MOD40Z13-2
		REV. 00