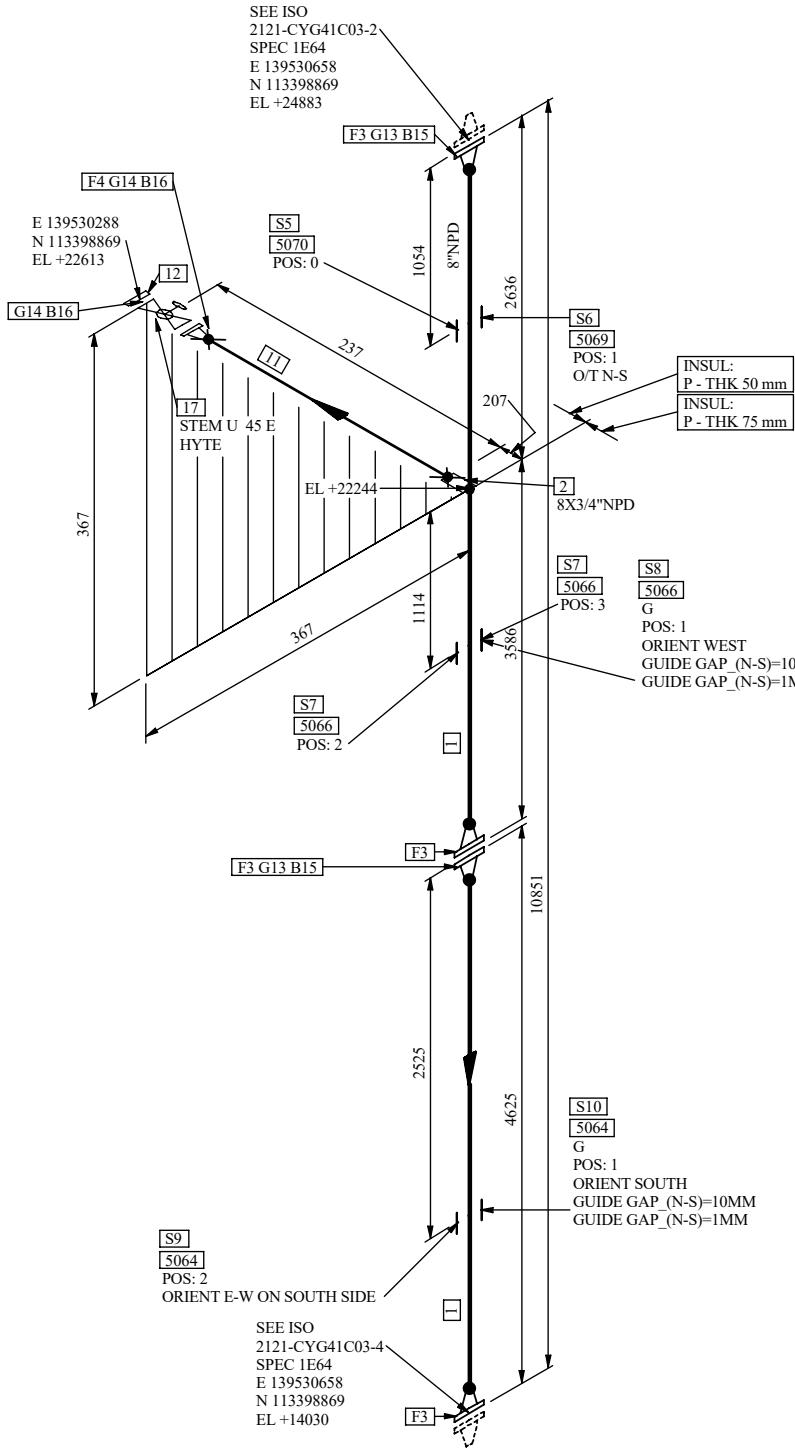












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EXTR. DATE: 29-05-2023 14:48:02      STREAM NO.: 3121      STREAM REV. NO. : 9      REV. CAUSE ID:



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° REP-PE-021
							P & ID 19-A-19-000-1-01-00001 sheet 54
							LINE LIST N° 19-L-19-000-2-00-80602
							PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 7
00	ISSUED FOR CONSTRUCTION		26-MAY-2023	M.YADAV	P.VAZE	G.PAGANONI	
REV.	DESCRIPTION		DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT

APPROVED FOR  
CONSTRUCTION



Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
ISOMETRIC DRAWING  
LINE

8"-CYG-41C03-1E64 (P)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	I117995	10.5 M	
FITTINGS					
2	REDUCING 45 LATROLET MSS-SP-97 A105N BE - C36DC44V01 S-STD <LABA300F018151116> (L-LAB22)	8X3/4	159602377	1	
FLANGES					
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	14274966	4	
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS <WNFA300R353/4XS> (L-236).	3/4	19805754	1	
PIPE SUPPORTS					
5	SPECIALITY SUPPORT - SP-007	8	5070	1	
6	WELDED EXTENSIONS-EW06 DN2 = 6 L = 531	8	5069	1	
7	PIPING SUPPORT - BEAMS- BE02 UPN140	8	5066	2	
8	WELDED GUIDE-C1G3 H = 100 L = 300	8	5066	1	
9	PIPING SUPPORT - BEAMS- BE02 UPN140	8	5064	1	
10	WELDED GUIDE-C1G3 H = 100 L = 300	8	5064	1	
PIPE					
11	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679).	3/4	1132785	0.1 M	
FLANGES					
12	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353/4> (L-143).	3/4	11652375	1	
GASKETS					
13	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ505R3EA8> (L-SPA05)	8	163598792	2	
14	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ505R3EA3/4> (L-SPA05)	3/4	163598745	2	
BOLTS					
15	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	153437666	24	
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	153437418	8	
VALVES / IN-LINE ITEMS					
17	BALL VALVE API 608 300# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 HYDROGEN V04JFC29BZZE NREQD <N/A> (N/A).	3/4	164605273	1	

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					
HEAT TREATMENT (PWHT)					
N					
PAINTING SCHEME (3)		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER:  4274-XH-DL-2121CYG41C03-3	PROJECT:  4001008	
I					
PIPING CLASS		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>			
1E64					
WELDING CLASS (4)					
A-6					
PED CATEGORY					
III					
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG41C03-3	REV. 00
P 75					