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EXTR. DATE: 02-02-2024 18:18:26

STREAM NO.:4513

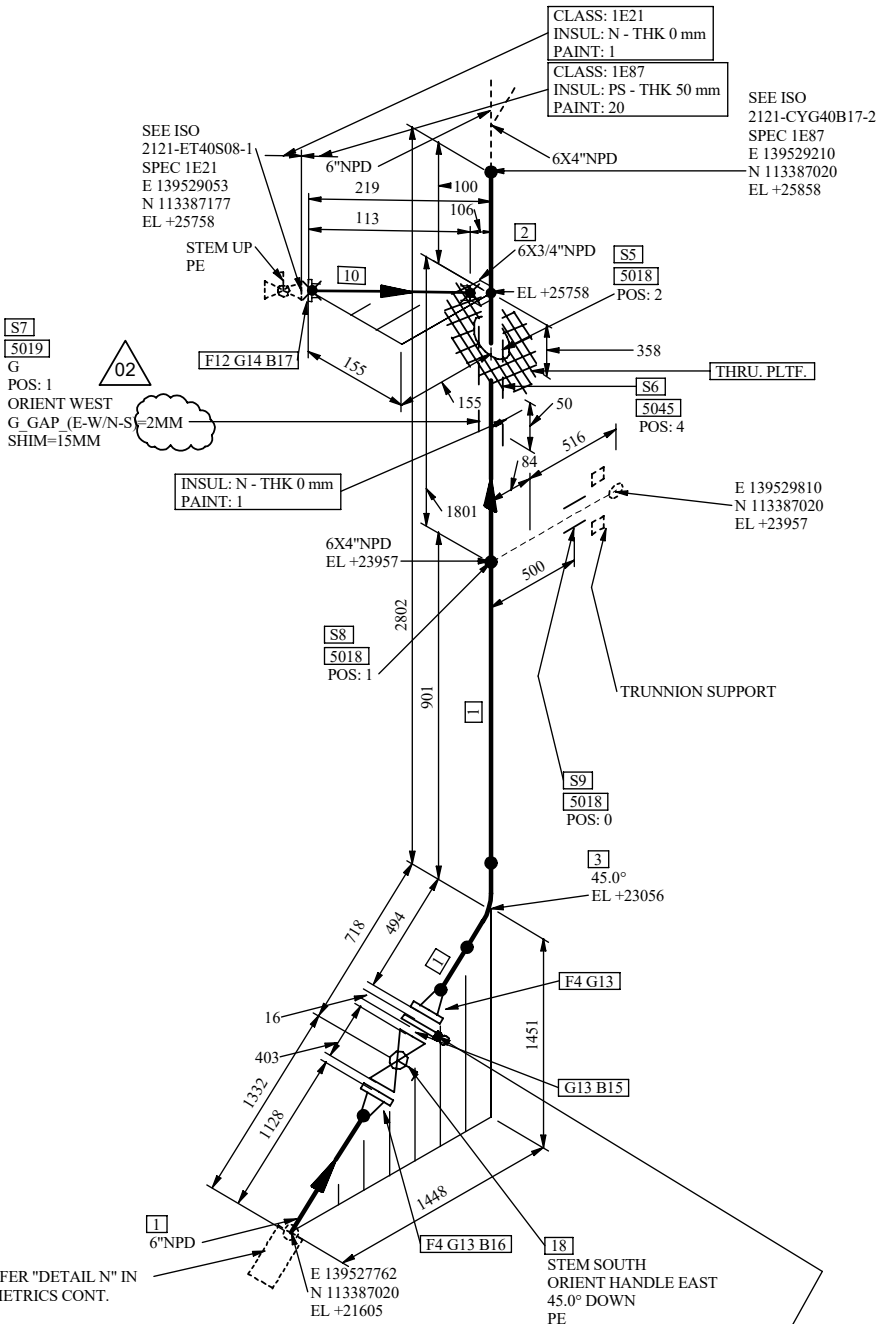
REV. CAUSE ID: 13




FOR CONTINUATION AND INSERTION LENGTH REFER "DETAIL N" IN PID NO.19-A-19-000-1-01-00001 SHEET 33 AND ISOMETRICS CONT. ON THE LINE NO. 2121-CYG40C05-2

11





TAIL N  
JACK SCREWS TO BE SUPPLIED BY MECHANICAL CONTRACTOR.  
THE DRILLING AND THREADING FOR JACK SCREW SHALL BE DONE BY MECHANICAL CONTRACTOR ACCORDING TO PE-L-0100.13 "JACK SCREW".



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.

02	ISSUED FOR CONSTRUCTION	05-FEB-24	M.YADAV	P.VAZE	G.PAGANONI		STRESS CALC. N° REP-PE-001
01	ISSUED FOR CONSTRUCTION	24-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 29
00	ISSUED FOR CONSTRUCTION	02-DEC-22	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-19-000-2-00-86196 sheet 6

APPROVED FOR  
CONSTRUCTION

Signature for construction is shown  
on Iso list of relevant CWA

ISOMETRIC DRAWING  
LINE

6"-CYG-40B17-1E87 (PS)

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 <PIPA010B16STD> (L-7806)	6	I117981	4.1 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01711> (L-343)	6X3/4	I1651371	1	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F36STD> (L-7956)	6	I201303	1	
FLANGES					
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R356STD> (L-236)	6	I4274965	2	
PIPE SUPPORTS					
5	PIPING SUPPORT - BEAMS- BE03 HEA120	6	5018	1	
6	PIPING SUPPORT - BEAMS- BE03 HEA140	6	5045	1	
7	WELDED GUIDE-C1G2 H = 100 L = 300	6	5019	1	
8	WELDED EXTENSIONS-EW05 DN2 = 4 L = 600	6	5018	1	
9	SPECIALITY SUPPORT - 19-SP-027	4	5018	1	
PIPE					
10	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	0.1 M	
FITTINGS					
11	SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0601FC65O04 NREQD <FI8A510F3A17> (L-FI827)	6	I4295455	1	
FLANGES					
12	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R353/4XS> (L-375)	3/4	I9762190	1	
GASKETS					
13	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP1IQ01 <SPAQ504R3EA6> (L-SPA01)	6	I60205415	3	
14	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP1IQ01 <SPAQ504R3EA3/4> (L-SPA01)	3/4	I60205406	1	
BOLTS					
15	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/451/2> - 2 NUTS PER BOLT - 140 mm Length	3/4	I53437471	12	
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/45> - 2 NUTS PER BOLT - 125 mm Length	3/4	I53437468	12	
17	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	I53437418	4	
VALVES / IN-LINE ITEMS					
18	BALL V-TRUNN API 6D 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE TRUNNION-MOUNTED GE ASME B16.5 V48BFC29B2R7 NREQD <B46L-AL269> (L-AL269)	6	I63796160	1	

PIPE MATERIAL

CS

HEAT TREATMENT (PWHT)

N

PAINTING SCHEME (3)

20

PIPING CLASS

1E87

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:

4274-XH-DL-2121CYG40B17-1

PROJECT:

4001008

WELDING CLASS (4)

A-1

PED CATEGORY

III

INSULATION CODE / THK. (mm)

PS 50



LOW LINEAL DENSITY POLYETHYLENE (PEL)  
AND POLYPROPYLENE (PP) PLANTS  
FOR PROJECT - ALBA PROJECT

CLIENT / COMPLEX  
REPSOL POLYMERS/  
SINES INDUSTRIAL COMPLEX

ANNEX  
19

SPEC.  
L

DRAWING NUMBER  
19-000-2-02-00001 sheet 2121CYG40B17-1

REV.  
02