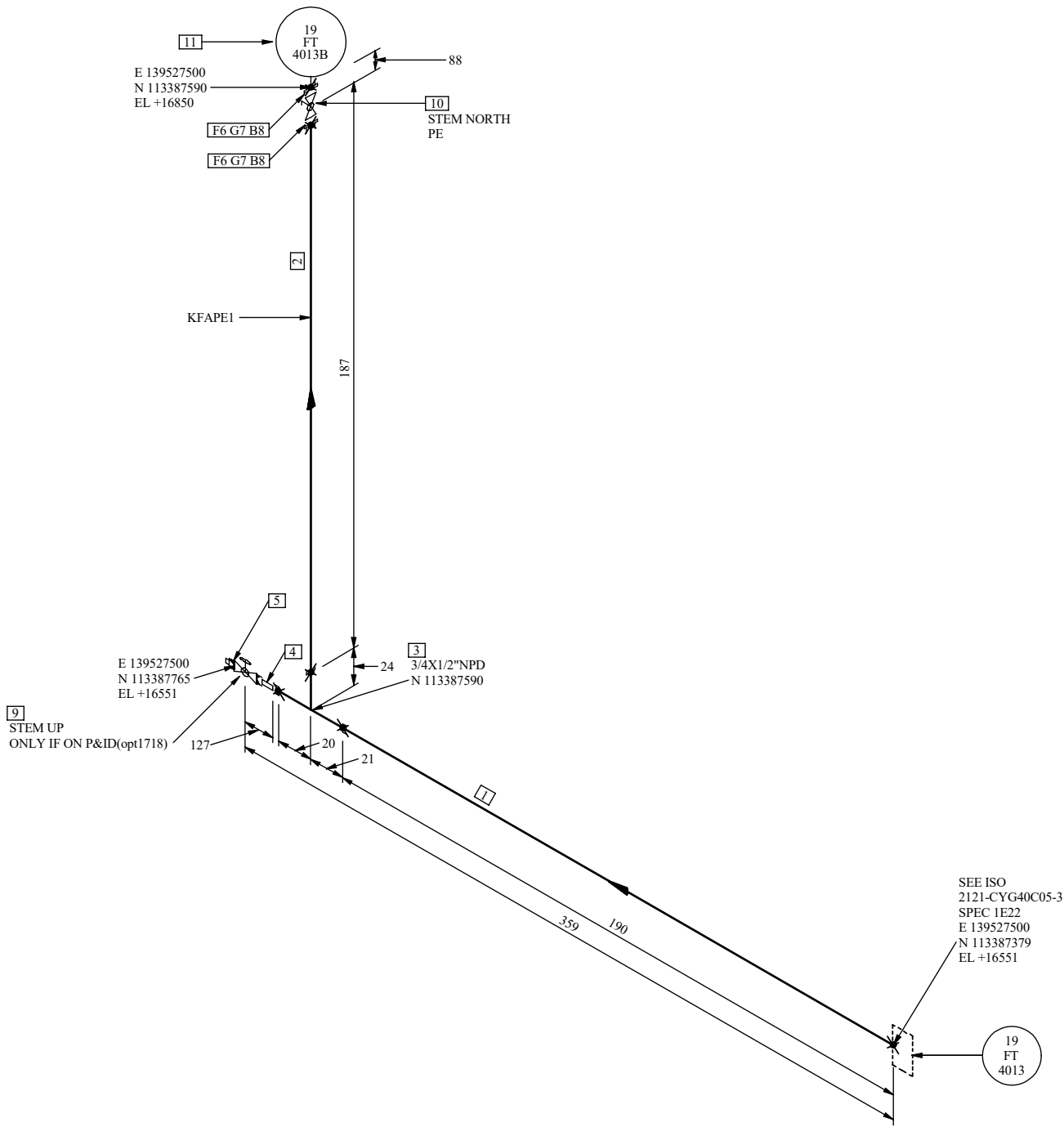


THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).

EXTR. DATE: 11-12-2023 13:37:52

STREAM NO.:4512    STREAM REV. NO. : 10    REV. CAUSE ID: 9



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°
01	ISSUED FOR REFERENCE	08-DEC-23	U.CHAVAN	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 29
00	ISSUED FOR REFERENCE	30-JUN-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-19-000-2-00-86196 sheet 5


ISSUED FOR REFERENCE

Signature for construction is shown on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING LINE**  
3/4"-CYG-40C05-1E22 (PS)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	1132785	0.2 M	
2	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11/2XS> (L-6679)	1/2	1132777	0.1 M	
FITTINGS					
3	REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD <RTEA300KBK3/4I/2> (L-RTE15)	3/4X1/2	11651303	1	
4	NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 <NTOA010E1110324> (L-7881)	3/4	12221177	1	
5	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <PLUA300CK3/4> (L-77)	3/4	110088232	1	
FLANGES					
6	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351/2XS> (L-375)	1/2	19762189	2	
GASKETS					
7	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP11Q01 <SPAQ504R3EA1/2> (L-SPA01)	1/2	160205405	2	
BOLTS					
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	153437190	8	
VALVES / IN-LINE ITEMS					
9	BALL VALVE API 608 800# A105N FTE FTE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW V04JIC4422NN1 NREQD <N/A> (N/A)	3/4	166130989	1	
10	BALL VALVE API 608 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFC29BNN NREQD <N/A> (N/A)	1/2	164811253	1	
INSTRUMENTS					
11	INSTRUMENT COMPONENT	1/2	19-FT-4013B	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 DRAWING NUMBER:		PROJECT:	
20			4274-XH-DL-2121CYG40C05-8			
PIPING CLASS						
1E22						
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>				
E-1						
PED CATEGORY						
III						
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG40C05-8		REV. 01
PS 50						