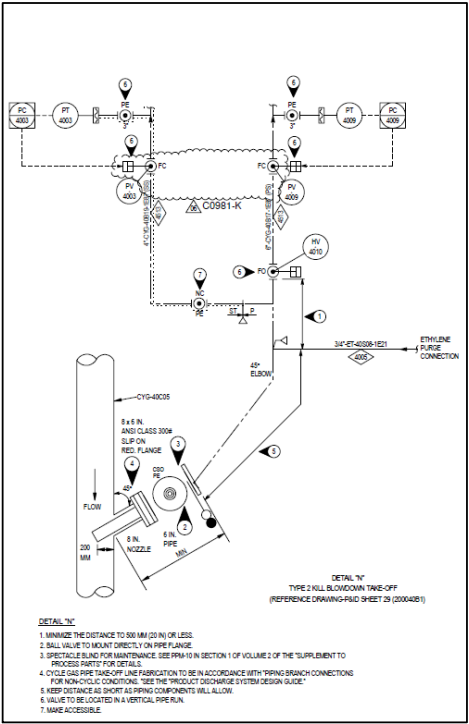
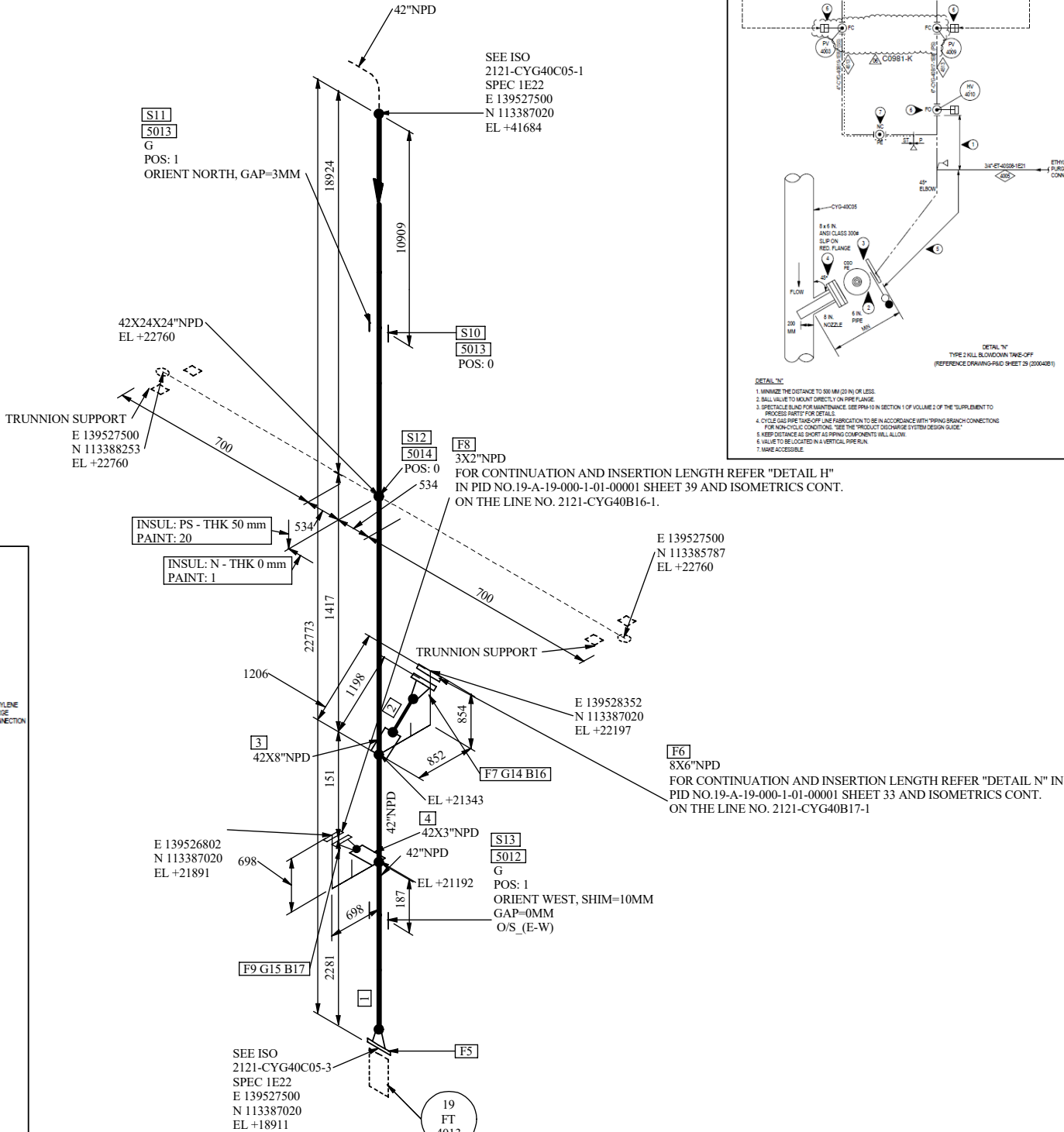
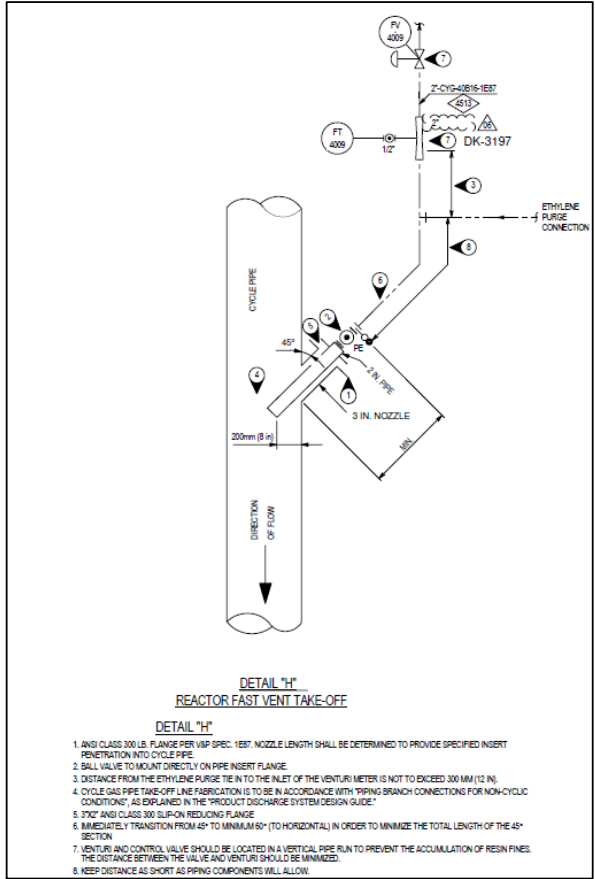


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EXTR. DATE: 10-07-2023 09:43:26

STREAM NO.:4512


REV. CAUSE ID:



BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A672-C60 BE EFW CL.22 T01AC24V44 S-15.88 <PIPA0C0B1420.625> (L-PIP63)	42	I63598453	22.6 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	I117995	0.2 M	
FITTINGS					
3	REDUCING 45 LATROLET MSS-SP-97 A105N BE - C36DC44V01 S-15.88 <LABA300F035361815> (L-LAB10)	42X8	I59599418	1	
4	REDUCING 45 LATROLET MSS-SP-97 A105N BE - C36DC44V01 S-15.88 <LABA300F035361515> (L-LAB10)	42X3	I59599406	1	
FLANGES					
5	WN FLANGE ASME B16.47-B 300# A105N RFFE BE 125 - 250 AARH F01MFC44BV05 S-15.88 <WNFA300R36420.625> (L-8519)	42	I9805987	1	
6	SLIP ON RED FLANGE ASME B16.5 300# A105N RFFE PE 125 - 250 AARH F53CFC44BZ05 NREQD <RSFA300R351817> (L-RSF01)	8X6	I63599183	1	
7	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	I4274966	1	
8	SLIP ON RED FLANGE ASME B16.5 300# A105N RFFE PE 125 - 250 AARH F53CFC44BZ05 NREQD <RSFA300R351514> (L-RSF01)	3X2	I63599177	1	
9	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R353STD> (L-236)	3	I4217853	1	
PIPE SUPPORTS					
10	SPECIALITY SUPPORT - SP-030	42	5013	1	
11	WELDED GUIDE-C4G3 H = 150 L = 400	42	5013	1	
12	SPECIALITY SUPPORT - SP-006	42	5014	1	
13	WELDED GUIDE-C4G4 H = 150 L = 400	42	5012	1	
GASKETS					
14	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP11Q01 <SPAQ504R3EA8> (L-SPA01)	8	I60205416	1	
15	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP11Q01 <SPAQ504R3EA3> (L-SPA01)	3	I60205412	1	
BOLTS					
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	I53437666	12	
17	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	I53437465	8	

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-001
							P & ID 19-A-19-000-1-01-00001 sheet 29
							LINE LIST N° 19-L-19-000-2-00-80602
							PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 6
00	ISSUED FOR CONSTRUCTION	07-Jul-23	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

ISOMETRIC DRAWING  
LINE

42"-CYG-40C05-1E22 (PS)

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) 20		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121CYG40C05-2	PROJECT: 4001008	
PIPING CLASS 1E22					
WELDING CLASS (4) E-1		<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 III					
INSULATION CODE / THK. (mm) PS 50		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG40C05-2	REV. 00