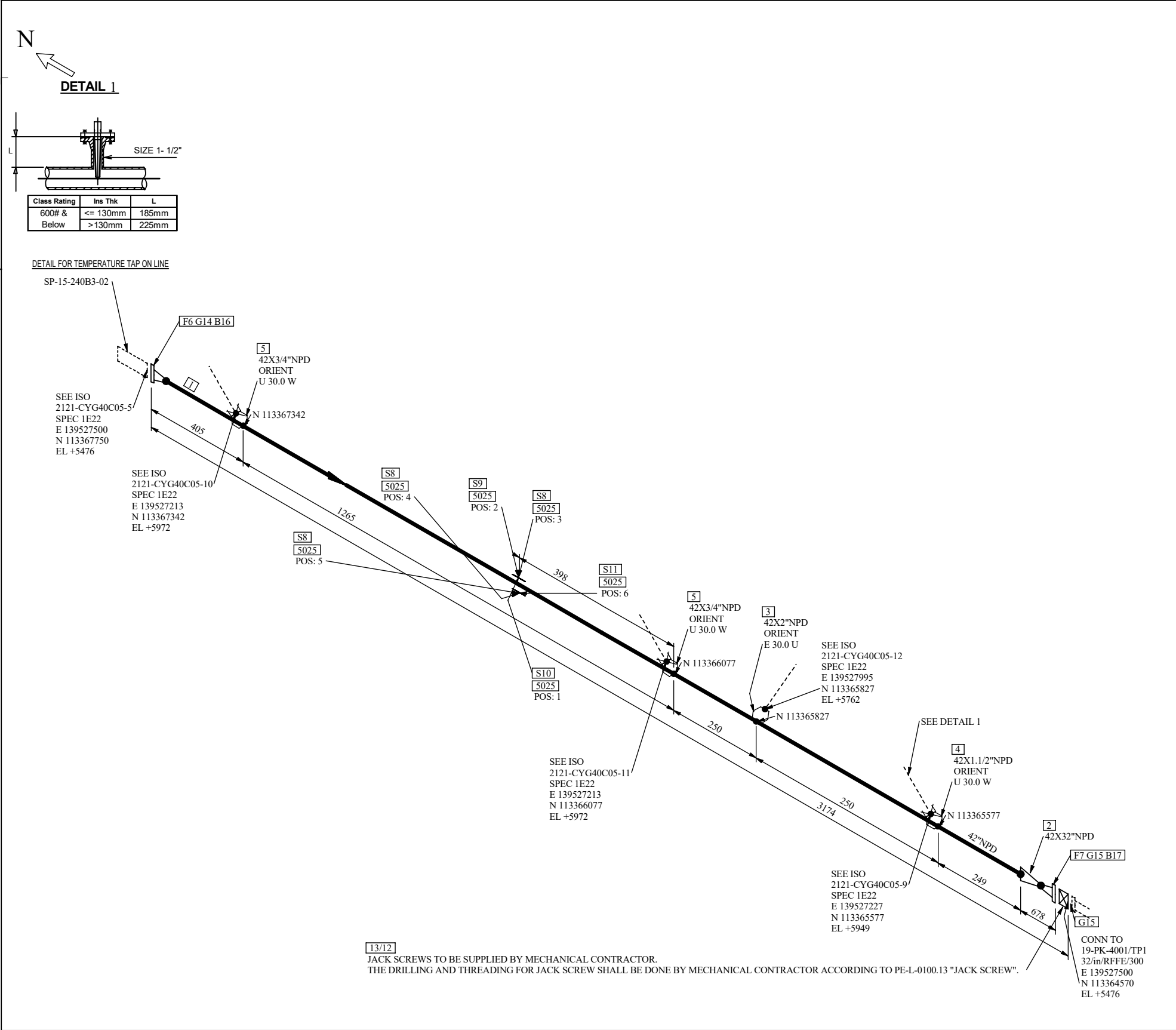












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EXTR. DATE: 22-07-2023 10:04:30

STREAM NO.:4512

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 WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.		
				 G=GUIDE		
				 F=AXIAL STOP		
				 B=ANCHOR		
				 M=SPRING		
				 S=TEFLON PAD		
						STRESS CALC. N° REP-PE-001
						P & ID 19-A-19-000-1-01-00001 sheet 29
00	ISSUED FOR CONSTRUCTION	21-JUL-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-19-000-2-00-86192 sheet 2


APPROVED FOR CONSTRUCTION

Signature for construction is shown on Iso list of relevant CWA

TITLE

ISOMETRIC DRAWING LINE

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

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	2.3 M	
FITTINGS					
2	CONCENTRIC REDUCER ASME B16.9 A234-WPB BE WELD C21DC04V02 S-15.88 S-XS <CREA20WF335363016> (L-8274-W)	42X32	I64916272	1	
3	REDUCING WELDOLET MSS-SP-97 A105N BE - C35DC44V01 S-15.88 S-STD <WOLA300F035361415> (L-6634)	42X2	I9805852	1	
4	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB03513> (L-343)	42X1.1/2	I7843541	1	
5	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB03511> (L-343)	42X3/4	I7843539	2	
FLANGES					
6	WN FLANGE ASME B16.47-B 300# A105N RFFE BE 125 - 250 AARH F01MFC44BV05 S-15.88 <WNFA300R36420.625> (L-8519)	42	I9805987	1	
7	WN FLANGE ASME B16.47-B 300# A105N RFFE BE 125 - 250 AARH F01MFC44BV05 S-XS <WNFA300R3632XS> (L-8519)	32	I9805946	1	
PIPE SUPPORTS					
8	SLIDING TEFLON PLATE- P69A-130mm	42	5025	3	
9	ADJUSTABLE DOUBLE PLATE-P70_600	42	5025	1	
10	RESTING SHOE WELDED -C4A1 H = 150 L = 400	42	5025	1	
11	VERTICAL TRESTLES TR06 HEA200	42	5025	1	
MISCELLANEOUS COMPONENTS					
12	SPACER RING YH-ST-D05 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.47-B D0505FC65O07 <N/A> (N/A)	32	I63463474	1	
FITTINGS					
13	BLIND DISC YH-ST-D05 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.47-B D0405FC65O07 NREQD <N/A> (N/A)	32	I63463456	1	
GASKETS					
14	JACKETED GASKET ASME B16.20 300# RFFE SS 316 / GRAPHOIL Gr. GTH 125 - 250 AARH 3.2 mmTHICK 3 PLY CORRUGATED ASME B16.47-B - G04GFB3BE02 <N/A> (N/A)	42	I9806431	1	
15	JACKETED GASKET ASME B16.20 300# RFFE SS 316 / GRAPHOIL Gr. GTH 125 - 250 AARH 3.2 mmTHICK 3 PLY CORRUGATED ASME B16.47-B - G04GFB3BE02 <N/A> (N/A)	32	I64805877	2	
BOLTS					
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R051G13/4151/4> - 2 NUTS PER BOLT - 385 mm Length	1.3/4	I67139916	36	
17	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <- 2 NUTS PER BOLT - 385 mm Length	1.1/2	I65397372	32	
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:	PROJECT:	
PIPING CLASS	1E22		4274-XH-DL-2121CYG40C05-6	4001008	
WELDING CLASS (4)	E-1	<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS</div> <div>FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMERS/ SINES INDUSTRIAL COMPLEX</div>			
PED CATEGORY	III				
INSULATION CODE / THIK. (mm)	PS 50	ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG40C05-6	
				REV.	00