

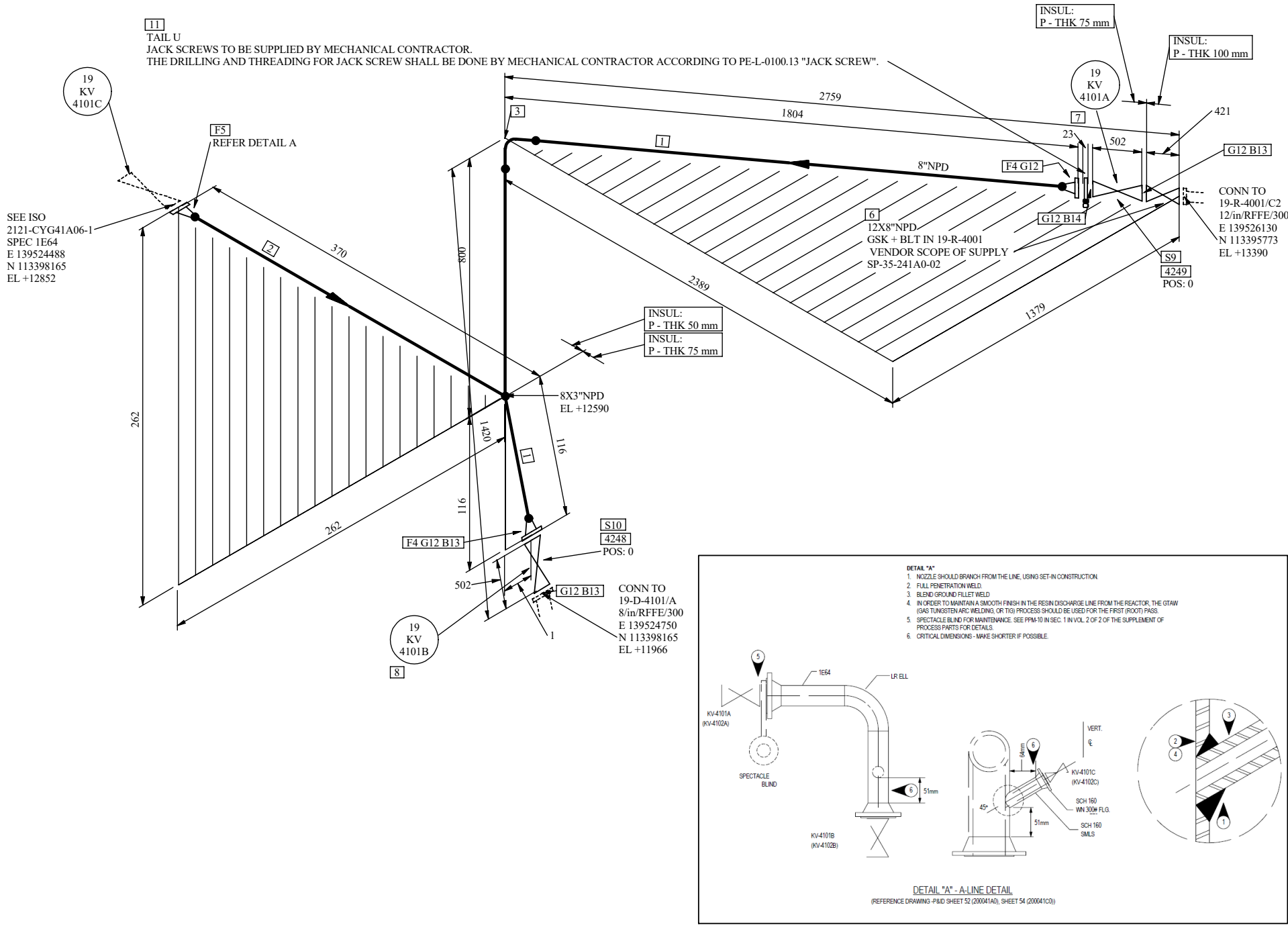
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EXTR. DATE: 19-06-2023 09:58:13

STREAM NO.:3131

REV. CAUSE ID:

REV. NO. : 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°
							-
							P & ID
							19-A-19-000-1-01-00001 sheet 52
							LINE LIST N°
							19-L-19-000-2-00-80602
							PIPE LAYOUT N°
							19-L-19-000-2-00-86197 sheet 4
00	ISSUED FOR CONSTRUCTION	16-JUN-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**

12"-PE-41A01-1E64 (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	1117995	1.9 M	
2	PIPE - A106-B BE SMLS T01AC03V02 S-160 <PIPA010B13160> (L-7800)	3	1117917	0.2 M	
FITTINGS					
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F38STD> (L-7955)	8	1128683	1	
FLANGES					
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	14274966	2	
5	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-160 <WNFA300R353160> (L-236)	3	14062581	1	
VALVES / IN-LINE ITEMS					
6	SPECIALTY COMPONENT	12X8	SP-35-241A0-02	1	
INSTRUMENTS					
7	INSTRUMENT COMPONENT	8	19-KV-4101A	1	
8	INSTRUMENT COMPONENT	8	19-KV-4101B	1	
PIPE SUPPORTS					
9	SPECIALITY SUPPORT - SP-013	8	4249	1	
10	SPECIALITY SUPPORT - SP-014	8	4248	1	
FITTINGS					
11	SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0601FC65004 NREQD <F18A510F3A18> (L-F1827)	8	14295456	1	
GASKETS					
12	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ505R3EA8> (L-SPA05)	8	163598792	5	
BOLTS					
13	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	36	
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/863/4> - 2 NUTS PER BOLT - 170 mm Length	7/8	153437673	12	

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) 1		CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:	
PIPING CLASS 1E64			4274-XH-DL-2121PE41A01-1	4001008	
WELDING CLASS (4) A-6		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT			
PED CATEGORY III					
INSULATION CODE / THK. (mm) P 100		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121PE41A01-1	REV. 00