REV. CAUSE ID:

STREAM REV. NO.: 7

STREAM NO.:4104 EXTR. DATE: 13-01-2023 08:24:49

[9/8]

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". CONN TO 19-P-4004/DN1 24/in/RFFE/150 E 139553271 N 113398007 S5 5228 G POS: 1 ASSO.WITH 2121-SX-520I E 139550166 INSUL: P - THK 100 mm SEE ISO 2121-CWS40G03-3 F4 B12 N 113398007 28X24"NPD 51MM OFFSET FLAT SIDE U 28X24"NPD ORIENT HANDLE DOWN SEE ISO ALLIGNMENT BOLTS SUPPLIED BY VALVE VENDOR 2121-CWS40G03-

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B BE SMLS T01AC03V02 S-STD < PIPA010B124STD > (L-7806) I117907 FITTINGS ECCENTRIC REDUCER ASME B16.9 A234-WPB BE WELD C22DC04V02 S-STD S-STD I425714 <EREA20WF328152615> (L-7959-W) <SOKA300LB02611> (L-343) FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD 14067800 <WNFA300R1524STD> (L-149) WELDED GUIDE-C4G1 H = 150 L = 300 24 5228 SLIDING TEFLON PLATE- P69A-130mm 5228 ADJUSTABLE DOUBLE PLATE-P70 500 5228 MISCELLANEOUS COMPONENTS SPACER RING ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. 15393981 S5 ASME B16.5 D0501DC65O04 < SPRA510F1A26 > (L-SPR19) 15393957 BLIND DISC ASME B16.48 150# A516-70 NORM, FFTBE 125 - 250 AARH SUPPL, REO. S5 ASME B16.5 D0401DC65O04 NREQD <BLIA510F1A26> (L-BLI19) SASKETS 0 FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 I1169044 G02HDP2QR01 <NMGQ009R1FC24> (L-NMG11) BOLTS 1 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153438265 <SB2R51G11/481/4> - 2 NUTS PER BOLT - 210 mm Length 2 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153438258 <SB2R51G11/463/4> - 2 NUTS PER BOLT - 175 mm Length VALVES / IN-LINE ITEMS $3\;$ BUTTERFLY LUG VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CF8M , 164945673 SHAFT-316 FL API 609 GE ASME B16.5 V33IDC35S5B0 NREQD <N/A> (N/A)

REMARKS FOR MECHANICAL SUBCONTRACTOR: 1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.								APPROVED FOR
2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.								ATTROVEDTOR
3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT								CONSTRUCTION
4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.								CONSTRUCTION
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 DISCEPBANCIES DETWIEFED NATA SHOUND, AN ISO AND IN LINE LIST (AS ADDITION). IN LINE LIST (COVERN.)								
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).								
8) ACTUAL CUT LENGTH OF FIFE AND FIELD WELLDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACT TO ROLL TOR (REF. 17042/94-LZ-FZ-00000002). 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-0007-76-609092 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.								
								Signature for construction is shown
SUPPORTS LEGEND: DENOTES PARTS LIST NO SUPPORT - A=RESTING SUPPORT G=GLIDE F=AXIALSTOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								on Iso list of relevant CWA
SUPPORT — WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								on iso list of felevant CWA
							STRESS CALC. Nº	TITLE
							REP-PE-008	
							P & ID	ISOMETRIC DRAWING
							19-A-19-000-1-01-00001 sheet 37	
00	ISSUED FOR CONSTRUCTION	13-JAN-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N°	LINE
							19-L-19-000-2-00-80602	
							PIPE LAYOUT Nº	2411 CWC 40C02 D 1 (D)
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86199 sheet 1	24"-CWS-40G03-B-1 (P)

HEAT TREATMENT (PWHT)

PIPE MATERIAL

PIPING CLASS

CS

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

4274-XH-DL-2121CWS40G03-2

PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

4001008

INSULATION CODE / THK. (mm) ANNEX DRAWING NUMBER 19-000-2-02-00001 sheet 2121CWS40G03-2