REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

DESCRIPTION

E 139536950 3 EL +9071 SEE ISO 2121-LPN40R12-1 SPEC 1C17 STEM WEST G5 B6 E 139536950 N 113387791 FL +8911 KBATE1 F4 G5 B6 F4 G5 ALLIGNMENT BOLTS SUPPLIED BY VALVE VENDOR F4 G5 B6 F4 G5 B6 8 STEM WEST 2121-FO40R13-1 N 113387413

1/2X1/2"NPD

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679) I132777 FITTINGS TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK1/2> 1/2X1/2 I1651299 PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD I10088243 <PLUA300CK1/2>(L-77) FLANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS I5378341 <SWFA300R151/2XS> (L-295) SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 1/2 163508894 ASME B16.5 G03GDP1IS12 < N/A> (N/A) BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 I53437179 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437223 <SB2R51G1/231/4> - 2 NUTS PER BOLT - 80 mm Length VALVES / IN-LINE ITEMS BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH I10013685 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREOD < N/A> (N/A) DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 -I10016146 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREOD <N/A> (N/A) BALL VALVE ASME B16.34 800# A105N SWE FTE 316/R-PTFE, GF 3PSB-RED BORE I67130076 FLOATING BALL OHW FIRE SAFE : API 607 & ANTISTATIC DEVICES "A60T series" TEAL V04JIC44126IG NREQD <N/A> (N/A)

	1) 2111) En les in En les suit le En les in teles in te										
	2) ALL	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	4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.										
Ö	5) GUS	5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.										
⋮	6) CRC	6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.										
ನ	7) IN C	7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.										
ò	8) ACT	8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603).										
$\overline{}$	9) WHI	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.										5
\Im	TIDENOTES DADITS LICTADO PIPE — A=RESTING SLIPPORT G=GLIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD									TH ONLD ID	٦ ٢	
3	SUPPORTS LEGEND: Denotes parts list no PIPE — A=resting support G=Gude F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.											
7	WHEADAWHIOOT NOWBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.										L STRUCTURE.	
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	i										P & ID	
DATE											19-A-19-000-1-01-00001 sheet 46	┙
	00 ISSUED FOR REFERENCE									LINE LIST Nº		
				18-AUG-23	U.CHAVAN	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602			
ᅺ											DIDE I AVOLUTATO	\dashv

CHECK BY

APPR. BY APPR. CLIENT

19-L-19-000-2-00-86196 sheet 3

REFERENCE Signature for construction is shown on Iso list of relevant CWA

1/2"-FO-40R12-1C17

ISSUED FOR

WELDING CLASS (4) ISOMETRIC DRAWING PED CATEGORY LINE INSULATION CODE / THK. (mm)

PIPE MATERIAL

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

Art. 4.3

REPSQL

ANNEX

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

DRAWING NUMBER

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" CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

PIPING CLASS 4001008 4274-XH-DL-2121FO40R12-1 1C17 LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS

CLIENT / COMPLEX REPSOL POLYMEROS/ FOR PROJECT - ALBA PROJECT SINES INDUSTRIAL COMPLEX

19-000-2-02-00001 sheet 2121FO40R12-1

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FILENAME: 19-000-2-02-00001 sheet 2121FO40R12-1.dwg