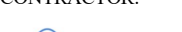



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
FITTINGS					
1	COMPR MALE CONNECT MFTR - A182-F316/316L DUAL GR FFRE PE - R60AQL1M7Z10 NREQD <N/A> (N/A)	1/2	I7062335	1	
2	COMPR MALE CONNECT MFTR - A182-F316/316L DUAL GR PE PE PORT CONNECTOR (SS-811-PC) OR EQUIVALENT R60AQL1MZZ26 NREQD <N/A> (N/A)	1/2	I67355609	3	
3	SPECIALTY COMPONENT	1/2	19-FX-4012	1	
4	COMPR MALE CONNECT MFTR - A182-F316/316L DUAL GR FFRE MTE - R60AQL1M7W10 NREQD <N/A> (N/A)	1/2	I45425129	1	
VALVES / IN-LINE ITEMS					
5	COMPR BALL VALVE MFTR 6000# A182-F316/316L DUAL GR FFRE FFRE 316-CARBON/GLASS REINFORCED PTFE TRUNNION-MOUNTED OHW V70AOL1M7739 NREQD <N/A> (N/A)	1/2	I65625050	1	

<div>REMARKS FOR MECHANICAL SUBCONTRACTOR:</div> <div>1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.</div> <div>2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.</div> <div>3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✕ , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT</div> <div>4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.</div> <div>5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.</div> <div>6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.</div> <div>7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.</div> <div>8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF TO 4274-LZ-PC-00000603).</div> <div>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.</div>							<div>ISSUED FOR REFERENCE</div>		<div>PIPE MATERIAL</div> <div>316, dual grade</div> <div>HEAT TREATMENT (PWHIT)</div> <div>-</div> <div>PAINTING SCHEME (3)</div> <div>NR</div> <div>PIPING CLASS</div> <div>6G69</div>		<div>NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.</div> <div>2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.</div> <div>3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.</div> <div>4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.</div> <div>5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE".</div>																																									
<div>SUPPORTS LEGEND:</div> <div>□ DENOTES PARTS LIST NO</div> <div>PIPE SUPPORT</div> <div>—</div> <div>A=RESTING SUPPORT</div> <div>G=GUIDE</div> <div>F=AXIAL STOP</div> <div>B=ANCHOR</div> <div>M=SPRING</div> <div>S=TEFLON PAD</div> <div>WHERE □ WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.</div>							<div>Signature for construction is shown on Iso list of relevant CWA</div>		<div>CONTRACTOR:</div> <div></div> <div>CONTRACTOR DRAWING NUMBER:</div> <div>4274-XH-DL-2121FO40P19-1</div> <div>PROJECT:</div> <div>4001008</div>																																											
							<div>TITLE</div> <div>ISOMETRIC DRAWING LINE</div> <div>1/2"-FO-40P19-6G69</div>		<div>WELDING CLASS (4)</div> <div>-</div> <div>PED CATEGORY</div> <div>Art 4.3</div> <div>INSULATION CODE / THK. (mm)</div> <div>N0</div>		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div> CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div> <div>ANNEX 19</div> <div>SPEC. L</div> <div>DRAWING NUMBER 19-000-2-02-00001 sheet 2121FO40P19-1</div> <div>REV. 01</div>																																									
<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>STRESS CALC. N°</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></tr><tr><td>01</td><td>ISSUED FOR REFERENCE</td><td>16-DEC-23</td><td>M.YADAV</td><td>P.VAZE</td><td>G.PAGANONI</td><td></td><td>P & ID 19-A-19-000-1-01-00001 sheet 45</td></tr><tr><td>00</td><td>ISSUED FOR REFERENCE</td><td>25-AUG-23</td><td>U.CHAVAN</td><td>P.VAZE</td><td>G.PAGANONI</td><td></td><td>LINE LIST N° 19-L-19-000-2-00-80602</td></tr><tr><td>REV.</td><td>DESCRIPTION</td><td>DATE</td><td>DRW. BY</td><td>CHECK BY</td><td>APPR. BY</td><td>APPR. CLIENT</td><td>PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 1</td></tr></table>														STRESS CALC. N°								-	01	ISSUED FOR REFERENCE	16-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 45	00	ISSUED FOR REFERENCE	25-AUG-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-19-000-2-00-86196 sheet 1						
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