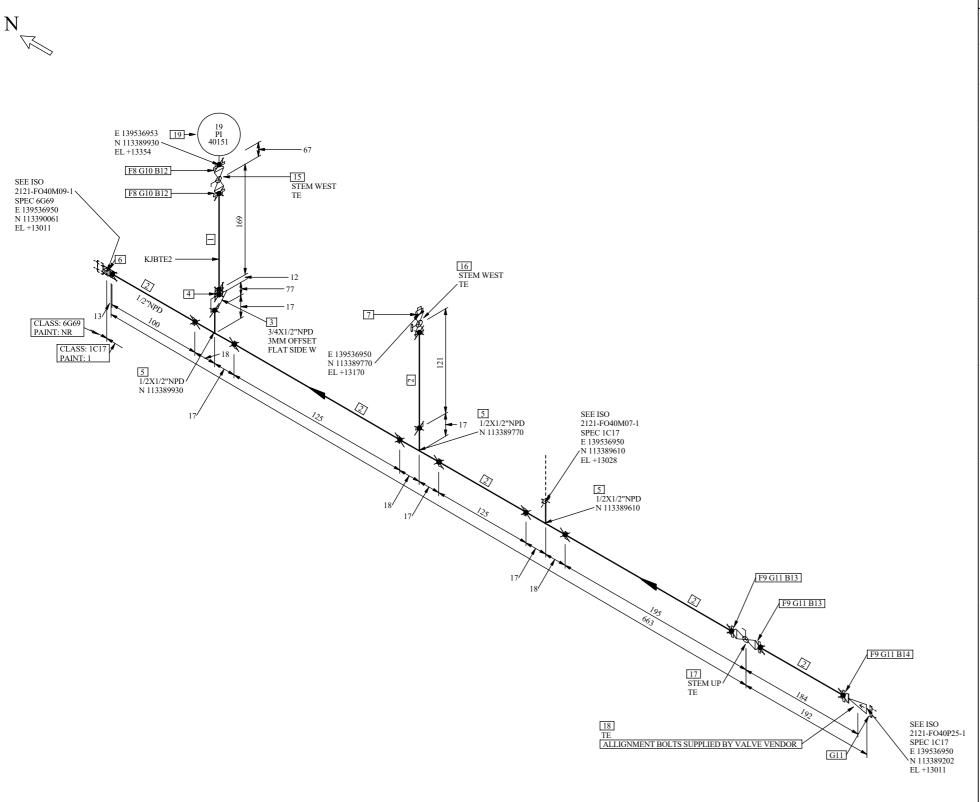
REV. CAUSE ID:

STREAM REV. NO.: 10



		I	BILL OF MATERIAL						
PT NO COMPONENT DESCRIPTION	COMPONENT DESCRIPTION				ITEM CO	CODE QTY		HOLD STATUS	
PIPE 1 PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a13 4xs=""> (L-6679) 2 PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a11 2xs=""> (L-6679)</pipa010a11></pipa010a13>					I132785				
FITTINGS				1/2			IVI		
3 ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01 <eswa010ar11161016> (L-ESW31)</eswa010ar11161016>				3/4X1/2	1637825	592 1			
4 COUPLING ASME B16.11 3000# <fcpa300lbk3 4=""> (L-180)</fcpa300lbk3>	# A105N SWE SWE - R01FNC441101 NREQD			3/4	1165167	76 1			
5 TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk1 2=""> (L-179)</tesa300lbk1>				1/2X1/2	11651299 3				
6 COUPLING ASME B16.11 3000# <fcpa300lbk1 2=""> (L-180)</fcpa300lbk1>	PLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD A300LBK1/2> (L-180)				I165167	75 1			
7 PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <plua300ck1 2=""> (L-77) FLANGES.</plua300ck1>				1/2	1100882	8243 1			
8 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <swfa300r153 4xs=""> (L-295)</swfa300r153>				3/4	1537834	15378342 2			
9 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <swfa300r151 2xs=""> (L-295)</swfa300r151>				1/2	1537834	15378341 3			
GASKETS 10 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <n a=""> (N/A)</n>				3/4	1635088	395 2			
11 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <n a=""> (N/A)</n>				1/2	1635088	394 4			
BOLTS 12 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <sb2r51g1 2="" 221=""> - 2 NUTS PER BOLT - 65 mm Length</sb2r51g1>					1534371	190 8			
13 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <8B2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length				1/2	1534371	179 8			
14 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <sb2r51g1 231="" 4=""> - 2 NUTS PER BOLT - 80 mm Length</sb2r51g1>				1/2	1534372	223 4			
VALVES / IN-LINE ITEMS 15 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2000 FM L DODG FLOATDIS DALL ONLY ASMEDI 65 VOLUM 2007/77 NIFEOD (VAL)				3/4	I100136	586 1			
2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A) 16 BALL VALVE ASME B16.34 800# A105N SWE FTE 316/R-PTFE, GF 3PSB-RED BORE FLOATING BALL OHW FIRE SAFE :API 607 & ANTISTATIC DEVICES "A60T series"</n>				1/2	1671300	076 1			
TEAL V04JIC44126IG NREQD <n a=""> (N/A) 17 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH</n>				1/2	1100136	585 1			
2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A) 18 DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5</n>				1/2	110016146 1				
V40JDC29P01 NREQD <n a=""> (N INSTRUMENTS.</n>									
19 INSTRUMENT COMPONENT				3/4	19-PI-40151 1				
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.								
CS HEAT TREATMENT (PWHT)	WELDING ACCORDING TO 45-L-45-000-2-00-80021. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.								
N PAINTING SCHEME (3)		5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSO					OT AVAI	LABLE".	
1 PIPING CLASS	CONTRACTOR:		CONTRACTOR DRAWING NUMBER:			PROJECT: 4001008			
1C17 WELDING CLASS (4)		cnimont W I INF	4274-XH-DL-2121F0						
E PED CATEGORY Art 4.3	REPSOL	AND POLYPROPYLENE (PP) PLANTS REPSO FOR PROJECT - ALBA PROJECT CINES DIN					OLYM		
INSULATION CODE / THK. (mm) N 0	ANNEX 19	ANNEX SPEC. DRAWING NUMBER						REV. 00	
I .	1		<u> </u>						

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 X , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT

on Iso list of relevant CWA ISOMETRIC DRAWING LINE 3/4"-FO-40M08-1C17

ISSUED FOR REFERENCE

FILENAME: 19-000-2-02-00001 sheet 2121FO40M08-1.dwg