



| 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 <PIPA010B13STD> (L-7806) | 3 | I117921 | 5.6 M | |
| 2 | PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806). | 3 | I117921 | 3.0 M | |
| FITTINGS | | | | | |
| 3 | ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <EREA200F315151415> (L-7959) | 3X2 | I128082 | 1 | |
| 4 | REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343) | 3X3/4 | I1651368 | 1 | |
| 5 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955) | 3 | I128599 | 5 | |
| 6 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955). | 3 | I128599 | 1 | |
| FLANGES | | | | | |
| 7 | WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149) | 2 | I5355795 | 1 | |
| PIPE SUPPORTS | | | | | |
| 8 | VERTICAL STAKES WELDED TO STR. ST46 HEA100 | 3 | 742 | 1 | |
| 9 | STANDARD GUIDE FOR NOT INS. PIPING-N1G1 | 3 | 742 | 1 | |
| 10 | WELDED BRACKET TO STRUCT. SB01 L100X100X10 | 3 | 741 | 1 | |
| 11 | VERTICAL STAKES WELDED TO STR. ST42 L100X100X10 | 3 | 530 | 1 | |
| 12 | STANDARD GUIDE FOR NOT INS. PIPING-N1G1 | 3 | 530 | 1 | |
| 13 | GUIDE AND STOP HORIZ VERT SUPPORT-N1B1 | 3 | 531 | 1 | |
| PIPE | | | | | |
| 14 | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679) | 3/4 | I132785 | 0.2 M | |
| FLANGES | | | | | |
| 15 | SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R153/4XS> (L-295) | 3/4 | I5378342 | 1 | |
| 16 | BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005 <BLFA300R153/4> (L-140) | 3/4 | I1652356 | 1 | |
| GASKETS | | | | | |
| 17 | SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <N/A> (N/A) | 2 | I63508906 | 1 | |
| 18 | SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <N/A> (N/A) | 3/4 | I63508895 | 1 | |
| BOLTS | | | | | |
| 19 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length | 5/8 | I53437429 | 4 | |
| 20 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length | 1/2 | I53437190 | 4 | |
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| PIPE MATERIAL 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. 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". | | | |
| HEAT TREATMENT (PWHT) N | | | | | |
| PAINTING SCHEME (3) I | | | | | |
| PIPING CLASS 1C17 | | CONTRACTOR:  | CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121VG40P14-1 | PROJECT: 4001008 | |
| WELDING CLASS (4) E | |  LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLIMEROS/ SINES INDUSTRIAL COMPLEX | | | |
| PED CATEGORY I | | | | | |
| INSULATION CODE / THK. (mm) N 0 | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121VG40P14-1 | |
| | | | | REV. 00 | |