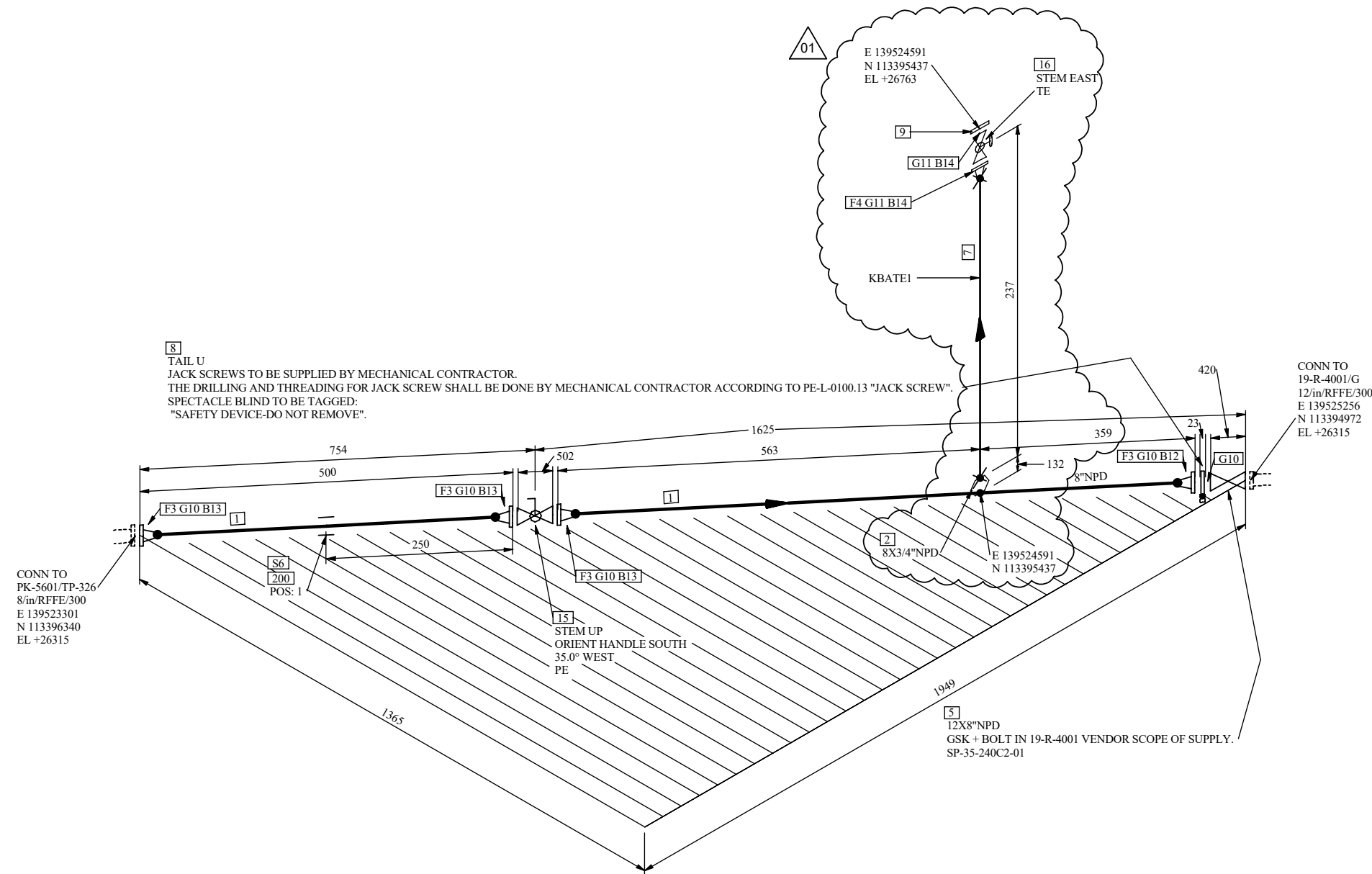




EXTR. DATE: 16-11-2023 19:54:08      STREAM NO.: 4804      STREAM REV. NO.: 10      REV. CAUSE ID: 23



| BILL OF MATERIAL                   |   |  |                            |   |                |
|------------------------------------|---|--|----------------------------|---|----------------|
| PT<br>NO                           | COMPONENT DESCRIPTION   | N.S.<br>(IN)   | ITEM CODE                  | QTY   | HOLD<br>STATUS |
| PIPE                               |   |  |                            |   |                |
| 1                                  | PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)   | 8  | I117995                    | 1.0 M   |                |
| FITTINGS                           |   |  |                            |   |                |
| 2                                  | REDUCING WELDOLET MSS-SP-97 A105N BE - C35DC44V01 S-STD S-XS <WOLA300F018151116> (L-347)  | 8X3/4  | I9799217                   | 1   |                |
| FLANGES                            |   |  |                            |   |                |
| 3                                  | WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)  | 8  | I4274966                   | 4   |                |
| 4                                  | WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS <WNFA300R353/4XS> (L-236)  | 3/4  | I9805754                   | 1   |                |
| VALVES / IN-LINE ITEMS             |   |  |                            |   |                |
| 5                                  | SPECIALTY COMPONENT   | 12X8   | SP-35-240C2-01             | 1   |                |
| PIPE SUPPORTS                      |   |  |                            |   |                |
| 6                                  | STAKES SUPPORTS ST08 HEA120   | 8  | 200                        | 1   |                |
| PIPE                               |   |  |                            |   |                |
| 7                                  | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)   | 3/4  | I132785                    | 0.2 M   |                |
| FITTINGS                           |   |  |                            |   |                |
| 8                                  | SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0601FC65O04 NREQD <F18A510F3A18> (L-FI827)                          | 8  | I4295456                   | 1   |                |
| FLANGES                            |   |  |                            |   |                |
| 9                                  | BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353/4> (L-143)   | 3/4  | I1652375                   | 1   |                |
| GASKETS                            |   |  |                            |   |                |
| 10                                 | SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ505R3EA8> (L-SPA05)  | 8  | I63598792                  | 5   |                |
| 11                                 | SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ505R3EA3/4> (L-SPA05)  | 3/4  | I63598745                  | 2   |                |
| BOLTS                              |   |  |                            |   |                |
| 12                                 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/863/4> - 2 NUTS PER BOLT - 170 mm Length                                     | 7/8  | I53437673                  | 12  |                |
| 13                                 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length                                     | 7/8  | I53437666                  | 36  |                |
| 14                                 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length                                      | 5/8  | I53437418                  | 8   |                |
| VALVES / IN-LINE ITEMS             |   |  |                            |   |                |
| 15                                 | BALL V-TRUNN API 6D 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE TRUNNION-MOUNTED GE ASME B16.5 V48BFC29B2R7 NREQD <B48L-AL269> (L-AL269)      | 8  | I63796162                  | 1   |                |
| 16                                 | BALL VALVE API 608 300# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFC29BZZG NREQD <B43_4L-AL084> (L-AL084) | 3/4  | I9918106                   | 1   |                |
| PIPE MATERIAL                      |   | NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.<br>2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.<br>3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.<br>4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.<br>5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE". |                            |   |                |
| CS                                 |   |  |                            |   |                |
| HEAT TREATMENT (PWHT)<br>N         |   |  |                            |   |                |
| PAINTING SCHEME (3)<br>1           |   | CONTRACTOR:  | CONTRACTOR DRAWING NUMBER: | PROJECT:  |                |
| PIPING CLASS<br>1E64               |   |   | 4274-XH-DL-2121PE40C10-1   | 4001008   |                |
| WELDING CLASS (4)<br>A-1           |   | <br>LOW LINEAL DENSITY POLYETHYLENE (PEL)<br>AND POLYPROPYLENE (PP) PLANTS<br>FOR PROJECT - ALBA PROJECT  |                            | CLIENT / COMPLEX<br>REPSOL POLYMEROS/<br>SINES INDUSTRIAL COMPLEX |                |
| PED CATEGORY<br>II                 |   |  |                            |   |                |
| INSULATION CODE / THK. (mm)<br>N 0 |   | ANNEX<br>19  | SPEC.<br>L                 | DRAWING NUMBER<br>19-000-2-02-00001 sheet 2121PE40C10-1           |                |
|                                    |   |  |                            | REV.<br>01  |                |