SEE ISO 2121-FW68W11-3 SPEC B-13 E 139526133 EL +15380 -SCREWED END SEE ISO 2121-FW68W11-1 SPEC B-13 E 139524245 EL +15380 SCREWED END

| BILL OF MATERIAL | | | | |
|--|--------------|-----------|-------|------|
| O COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY. | HOLD |
| PE SUPPORTS VERTICAL STAKES WELDED TO STR. ST42 L80X80X10 | 2 | 494 | 1 | |
| U BOLT (FOR GUIDE)-P02D | 2 | 494 | 1 | |
| DE | - | 121 | | |
| PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C12XS> (N/A). | 2 | 1145688 | 2.5 M | |
| PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <pipg010c11xs> (N/A) TTINGS</pipg010c11xs> | 1 | 1145594 | 0.7 M | |
| REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <rteg300kbk21> (L-RTE01)</rteg300kbk21> | 2X1 | I225442 | 1 | |
| 45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD <45TG300KBK2> (L-8908). | 2 | I214935 | 2 | |
| CONCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS R21FQC02WW01 <cswg010dr12161016> (L-CSW28)</cswg010dr12161016> | 1X1/2 | I4198150 | 1 | |
| 90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK1> (L-8907) | 1 | I214920 | 4 | |
| COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD <fcpg300kbk1 2=""> (L-8910).</fcpg300kbk1> | 1/2 | I214895 | 1 | |
| | | | | |
| | | | | |
| | | | | |

| REMARKS FOR MECHANICAL SUBCONTRACTOR |
|---|
| 1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTI |

<u>JR:</u> TED 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 ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT

4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.
5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002

6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.
7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.

8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603

A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TIFLON PAD WHERE[A] WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. DENOTES PARTS LIST NO PIPE SUPPORT — SUPPORTS LEGEND: TRESS CALC. Nº G.PAGANONI ISSUED FOR CONSTRUCTION 31-AUG-23 U.CHAVAN P.VAZE 19-A-19-000-1-01-00001 sheet 124 ISSUED FOR CONSTRUCTION 21-JAN-23 U.CHAVAN P.VAZE G.PAGANONI 19-L-19-000-2-00-80602 PIPE LAYOUT Nº DESCRIPTION CHECK BY APPR. BY

APPROVED FOR CONSTRUCTION

PIPE MATERIAL

CS, Galvanized

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

INSULATION CODE / THK. (mm)

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

2"-FW-68W11-B-13

19-L-19-000-2-00-86197 sheet 4

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

CONTRACTOR:

ANNEX

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W11-2

CONTRACTOR DRAWING NUMBER:

4001008 PIPING CLASS 4274-XH-DL-2121FW68W11-2 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL)

AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT Art 4.3 REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

01

PROJECT:

FILENAME: 19-000-2-02-00001 sheet 2121FW68W11-2.dwg