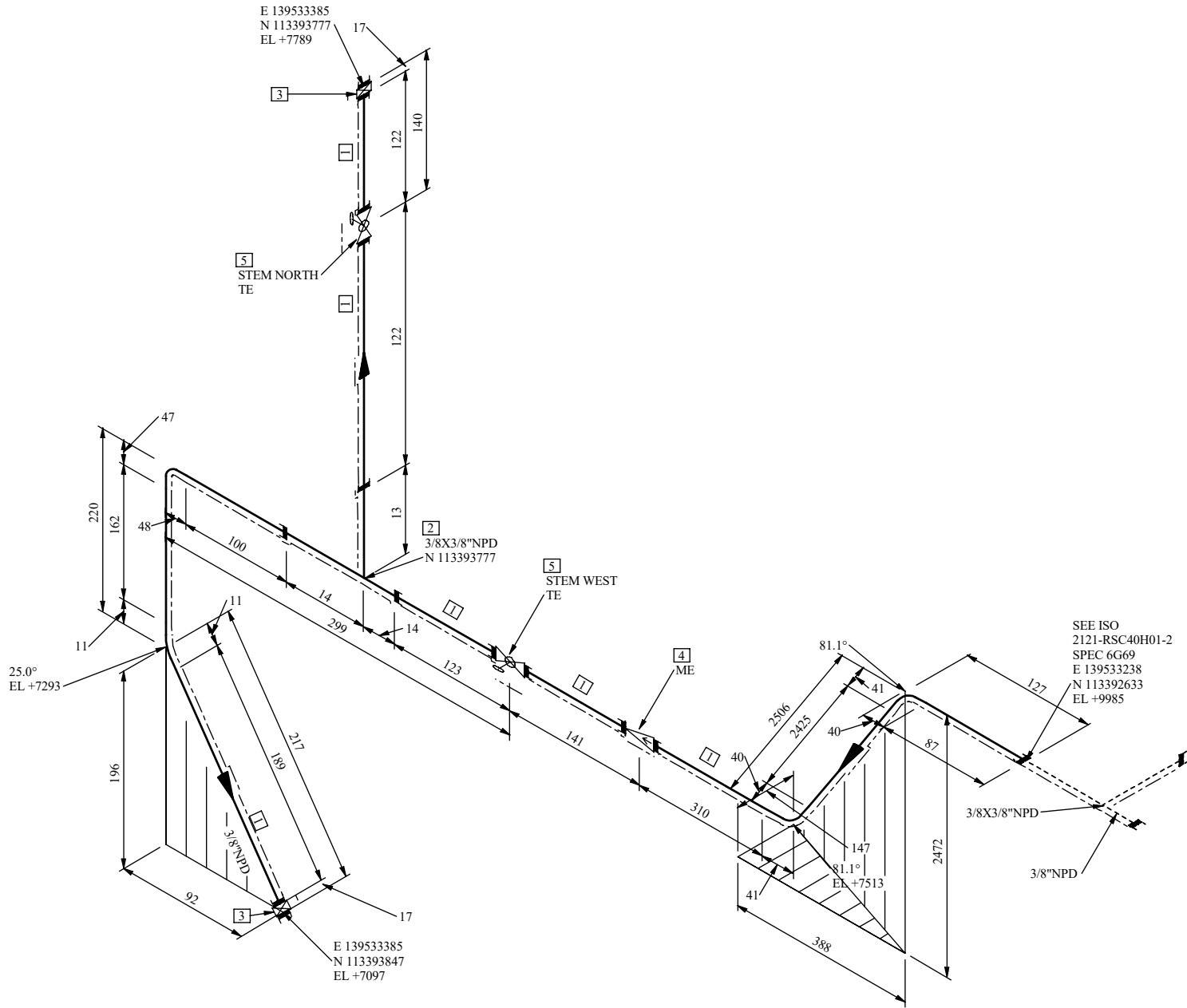



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





EXTR. DATE: 08-12-2023 11:27:57

STREAM NO.:4900 STREAM REV. NO. : 10 REV. CAUSE ID: 23



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 , 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).
- 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.

SUPPORTS LEGEND:  DENOTES PARTS LIST NO  PIPE SUPPORT  A=RESTING SUPPORT  G=GUIDE  F= AXIAL STOP  B=ANCHOR  M=SPRING  S=TEFLON PAD
WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

| REV. | DESCRIPTION | DATE | DRW. BY | CHECK BY | APPR. BY | APPR. CLIENT | STRESS CALC. N° - P & ID 19-A-19-000-1-01-00001 sheet 38 LINE LIST N° 19-L-19-000-2-00-80602 PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 3 |
|------|----------------------|-----------|----------|----------|------------|--------------|---|
| 01 | ISSUED FOR REFERENCE | 08-DEC-23 | M.YADAV | P.VAZE | G.PAGANONI | | |
| 00 | ISSUED FOR REFERENCE | 21-JUL-23 | U.CHAVAN | P.VAZE | G.PAGANONI | | |

ISSUED FOR REFERENCE



Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

3/8"-RSC-40H01-6G69 (ST)

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|------------------------|---|-----------|-----------|-------|-------------|
| PIPE | | | | | |
| 1 | TUBE - A269-TP316/316L-DUAL GRADE PE SMLS T02ALK7Z01 0.049" tubing <N/A> (N/A) | 3/8 | 17062241 | 3.9 M | |
| FITTINGS | | | | | |
| 2 | COMPR UNION TEE MFTR - A182-F316/316L DUAL GR FFRE FFRE - R64AQL1M7708 NREQD <N/A> (N/A) | 3/8X3/8 | 17062365 | 1 | |
| 3 | COMPR PLUG MFTR - A182-F316/316L DUAL GR FFRE NREQD - R68AQL1M7003 NREQD <N/A> (N/A) | 3/8 | 17062347 | 2 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 4 | COMPR CHECK VALVE MFTR 6000# A182-F316/316L DUAL GR FFRE FFRE 316/METAL MS V49AOL1M7710 NREQD <N/A> (L-AL223) | 3/8 | 149166750 | 1 | |
| 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) | 3/8 | 165625049 | 2 | |

| | | | | |
|-----------------------------|--|--|----------------------------|---|
| 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. 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". | | | |
| 316, dual grade | | | | |
| HEAT TREATMENT (PWHIT) | | | | |
| - | | | | |
| PAINTING SCHEME (3) | NR | CONTRACTOR: | CONTRACTOR DRAWING NUMBER: | PROJECT: |
| PIPING CLASS | 6G69 |  | 4274-XH-DL-2121RSC40H01-1 | 4001008 |
| WELDING CLASS (4) | - |  LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT | | |
| PED CATEGORY | Art 4.3 | | | |
| INSULATION CODE / THK. (mm) | ST 30 | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121RSC40H01-1 |
| | | | | REV. 01 |