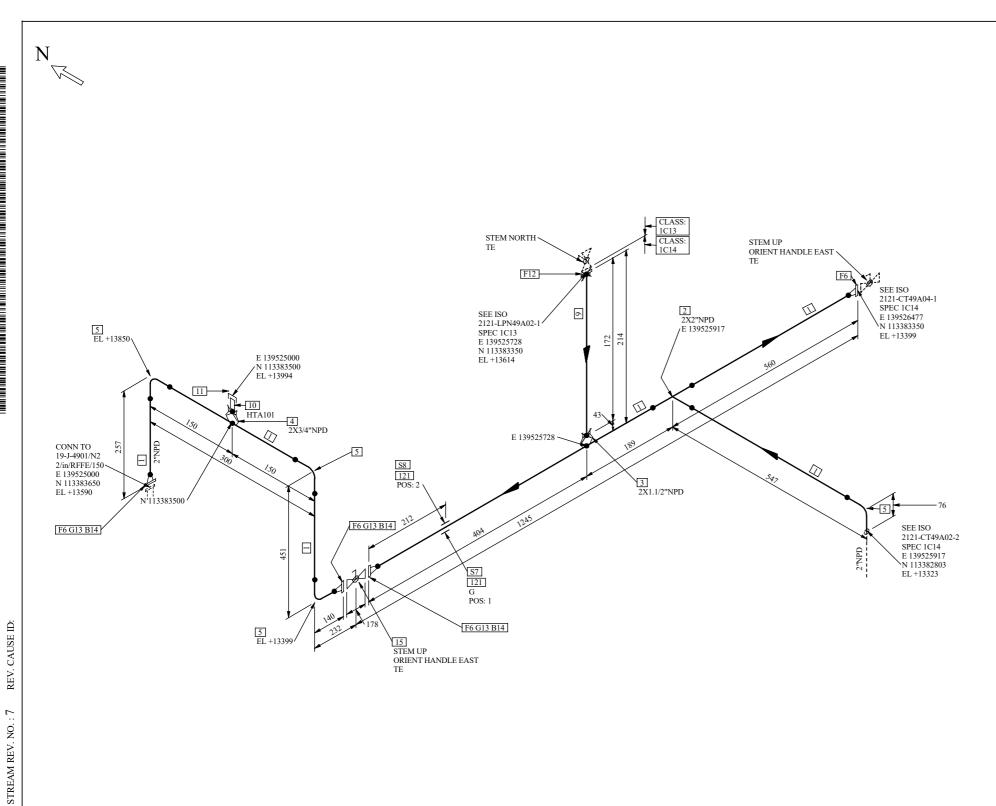
STREAM NO.:4560



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE STATUS (IN) PIPE - A106-B BE SMLS T01AC03V02 S-STD < PIPA010B12STD > (L-7806) I117862 FITTINGS STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD I129100 <TEBA200F314151415> (L-6955) <SOKA300LB01413> (L-343) REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD I7843411 2X3/4 <SOKA300LB01411> (L-343) 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> I128529 LANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD 15355795 <WNFA300R152STD> (L-149) PIPE SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1 121 STAKES SUPPORTS ST02 L100X100X10 121 PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A111/2XS > (L-6679) I132809 0.2 M FITTINGS 0 NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AOC03ZW04 S-XS 12221184 <NTOA010E1111624> (L-7888) 1 CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> 3/4 I1651686 12 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS 15378345 GASKETS 13 SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME 2 I2230484 B16.5 G03GDB1IG12 < SPAQ505R1EA2 > (L-SPA04) 4 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 I53437429 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length VALVES / IN-LINE ITEMS 5 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 18683137 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04JDC29BTR NREQD <B42L-BA1434>

REMARKS FOR MECHANICAL SUBCONTRACTOR:  1) LINES I.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.  2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS I.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-000-7-06-09092 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.  SUPPORTS LEGEND:  DENOTES PARTSLIST NO  PIPE  A-RESTINGSUPPORT  A-RESTINGSUPPORT  B-ANLISTOP  WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								Si
							STRESS CALC. N°	TITI
							P & ID 19-A-19-000-1-01-00001 sheet 57	1
00	ISSUED FOR CONSTRUCTION	31-MAR-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
RE	V. DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 4	

Signature for construction is shown on Iso list of relevant CWA

APPROVED FOR

CONSTRUCTION

ISOMETRIC DRAWING LINE 2"-CT-49A02-1C14

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

ANNEX

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PED CATEGORY

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"

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: PIPING CLASS 4001008 4274-XH-DL-2121CT49A02-1 WELDING CLASS (4)

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL INSULATION CODE / THK. (mm)

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

19-000-2-02-00001 sheet 2121CT49A02-1