REV.

STREAM NO.:4513

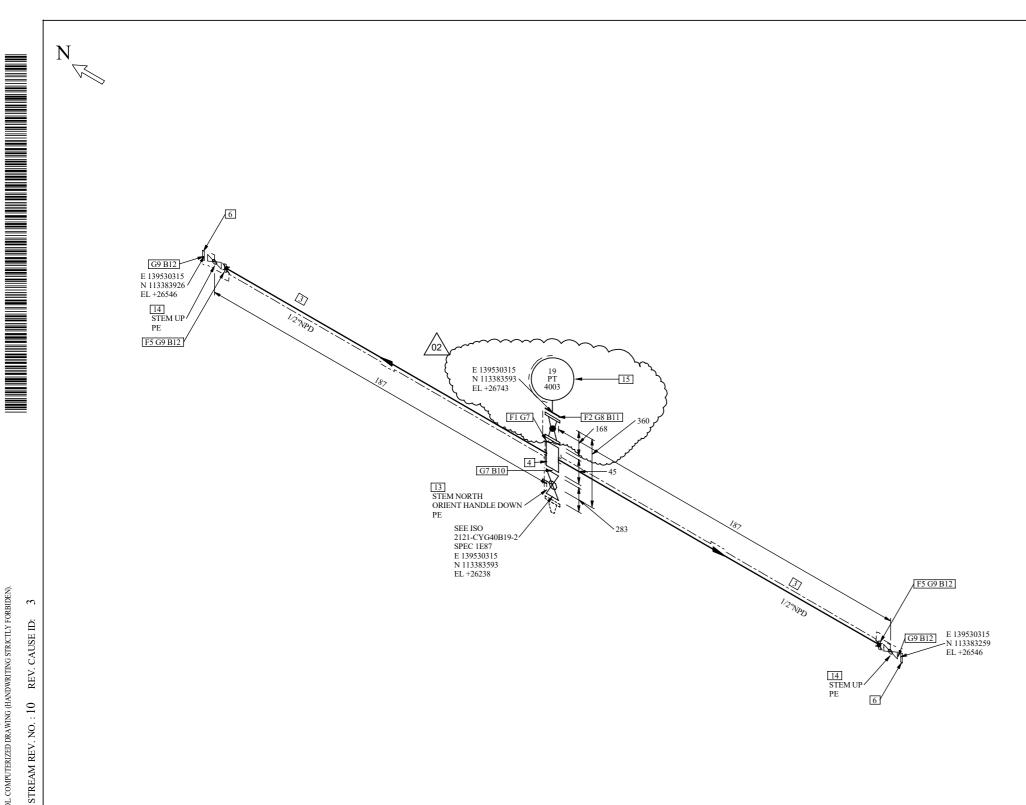
REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

DESCRIPTION

ISSUED FOR CONSTRUCTION

2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION QTY STATUS ITEM CODE (IN) FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD I4217853 <WNFA300R353STD> (L-236) WN FLANGE ASME B16.5 600# A105N RFFE BE 125 - 250 AARH F01CHC44BV05 S-STD I4217826 <WNFA3004653STD> (L-248) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679) I132777 0.2 M FITTINGS DRIP RING YH-ST-D08 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 15407995 ASME B16.5 D0108FC65O02 NREOD < N/A > (N/A) SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS 19762189 BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 11652374 <BLFA300R351/2> (L-143) SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 3 160205412 ASME B16.5 G03GFP1IQ01 <SPAQ504R3EA3> (L-SPA01) SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAFOIL CARBON STEEL SS 316 3 160880978 ASME B16.5 G03GHP1IQ01 <SPAQ50746EA3> (L-SPA08) SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 1/2 160205405 ASME B16.5 G03GFP1IQ01 < SPAQ504R3EA1/2> (L-SPA01) 153437475 10 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/461/4> - 2 NUTS PER BOLT - 160 mm Length 153437469 STUD BOLTS&NUTS ASME B18.31,2/ B18.2,2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/451/4> - 2 NUTS PER BOLT - 130 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437190  $<\!\!SB2R51G1/221/2\!\!>$  - 2 NUTS PER BOLT - 65 mm Length ALVES / IN-LINE ITEMS 13 BALL VALVE BS EN ISO 17292 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 16964310 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04FFC29BNO NREQD <B43L-AL268> (L-AL268) 4 BALL VALVE API 608 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH I64811253 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFC29BNN NREQD <N/A> (N/A) INSTRUMENTS 15 INSTRUMENT COMPONENT 19-PT-4003

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.							FEA005 AND FE019.	
SUPPORTS LEGEND: DENOTES PARTS LIST NO SUPPORT — A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TIBLON PAD WHERE W								
								STRESS CALC. Nº
	02	ISSUED FOR CONSTRUCTION	24-NOV-23	M.YADAV	P.VAZE	G.PAGANONI		-
	01	ISSUED FOR CONSTRUCTION	24-AUG-23	U.CHAVAN	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 29

11-NOV-22

M.YADAV

DRW. BY

P.VAZE

CHECK BY

G.PAGANONI

APPR. BY

19-L-19-000-2-00-80602

19-L-19-000-2-00-86196 sheet 7

PIPE LAYOUT No

APPR. CLIENT

LINE

3"-CYG-40B19-1E87 (SS)

APPROVED FOR

CONSTRUCTION

S SHOWH WA	PIPING CLASS			
WA		1E87		
	WELDING CLASS (4)			
WING		A-1		
WING	PED CATEGORY			
		II		
	INSULATION CODE / THK. (mm)			
	SS	50		

	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	3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.			
HEAT TREATMENT (PWHT)		4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.			
N		5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. " <n a="">" MEANS UNICODE IS "NOT AVAILABLE".</n>			
	D. D. TOTOLO GOVERNO (T. A.)				

PAINTING SCHEME (3) 20	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:

1E87 LASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS ORY FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER ANNEX 02 19-000-2-02-00001 sheet 2121CYG40B19-7

4274-XH-DL-2121CYG40B19-7