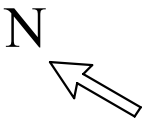
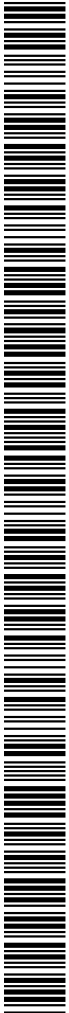


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EXTR. DATE: 24-05-2024 17:11:15

STREAM NO.: 4105

REV. CAUSE ID:



SEE ISO
2211-CWR40B02-1
SPEC B-1
E 139538508
N 113403239
EL +4965

24"NPD

24X18"NPD
76MM OFFSET
FLAT SIDE D

S6
5038
POS: 2

S7
5038
POS: 1

F3 G10 B11

F4 G10 B11

19
FT
4040

S5

S8
5050
POS: 2

S9
5050
B
POS: 1

GAP_G=10 MM
GAP_F=5 MM

00A

INSUL:
P - THK 100 mm
INSUL:
P - THK 0 mm

SEE ISO
2121-CWR40B02-3
SPEC B-1
E 139538508
N 113391323
EL +4965

24X18"NPD
76MM OFFSET
FLAT SIDE D

24"NPD

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-20 <PIPA010B11820> (L-8210)	18	I117849	10.0 M	
FITTINGS					
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-20 <EREA200F326152310> (L-8276)	24X18	I425582	2	
FLANGES					
3	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-20 <WNFA300R151820> (L-149)	18	I818482	1	
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-20 <WNFA300R151820> (L-149).	18	I818482	1	
INSTRUMENTS					
5	INSTRUMENT COMPONENT	18	19-FT-4040	1	
PIPE SUPPORTS					
6	SLIDING TEFLON PLATE- P69A-130mm	18	5038	1	
7	RESTING SHOE WELDED -C4A1 H = 150 L = 300	18	5038	1	
8	SLIDING TEFLON PLATE- P69A-130mm	18	5050	1	
9	WELDED ANCHOR -C4B1 H = 150 L = 300	18	5050	1	
GASKETS					
10	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC18> (L-NMG11)	18	I1169041	2	
BOLTS					
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/853/4> - 2 NUTS PER BOLT - 150 mm Length	1.1/8	I53438059	32	

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.

APPROVED FOR
CONSTRUCTION

Signature for construction is shown
on Iso list of relevant CWA

TITLE
ISOMETRIC DRAWING
LINE

18"-CWR-40B02-B-1 (P)

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".		
CS			
HEAT TREATMENT (PWHT)			
N			
PAINTING SCHEME (3)	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
1		4274-XH-DL-2121CWR40B02-4	4001008
PIPING CLASS	 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
B-1			
WELDING CLASS (4)			
E			
PED CATEGORY	III		
INSULATION CODE / THK. (mm)			
P 100	ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CWR40B02-4
			REV. 00A