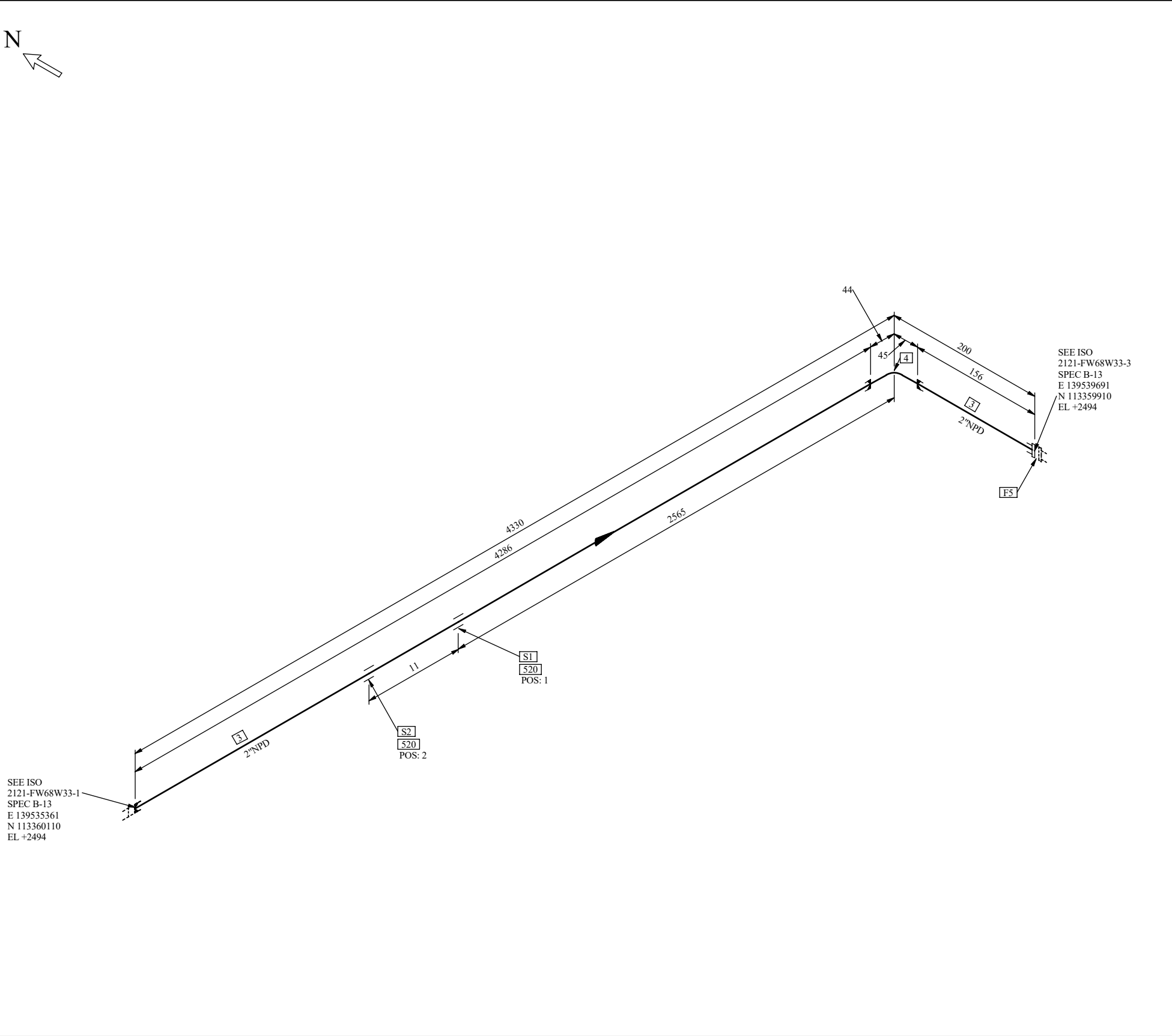


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EXTR. DATE: 28-01-2023 08:25:08

STREAM NO.: 74

REV. CAUSE ID: 7




BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE SUPPORTS					
1	U BOLT (FOR GUIDE)-P02D	2	520	1	
2	STAKES SUPPORTS ST02 HEA120	2	520	1	
PIPE					
3	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C12XS> (N/A).	2	1145688	4.5 M	
FITTINGS					
4	90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK2> (L-8907).	2	1214923	1	
FLANGES					
5	THD FLANGE ASME B16.5 150# A105 GALV RFFE FTE 125 - 250 AARH F03CDC02B205 <THFG300R152> (L-8918).	2	1215065	1	

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.

							STRESS CALC. N°
							-
							P & ID
							19-A-19-000-1-01-00001 sheet 124
							LINE LIST N°
00	ISSUED FOR CONSTRUCTION	27-JAN-23	U.CHAVAN	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602
							PIPE LAYOUT N°
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86193 sheet 1

APPROVED FOR CONSTRUCTION		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, Galvanized								
		HEAT TREATMENT (PWHIT)								
		-								
Signature for construction is shown on Iso list of relevant CWA		PAINTING SCHEME (3)		CONTRACTOR: 		CONTRACTOR DRAWING NUMBER:		PROJECT:		
		4				4274-XH-DL-2121FW68W33-2		4001008		
		PIPING CLASS		B-13						
TITLE ISOMETRIC DRAWING LINE 2"-FW-68W33-B-13		WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT 					CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX	
		-								
		PED CATEGORY		Art 4.3						
		INSULATION CODE / THK. (mm)		N 0		ANNEX 19		SPEC. L		DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W33-2