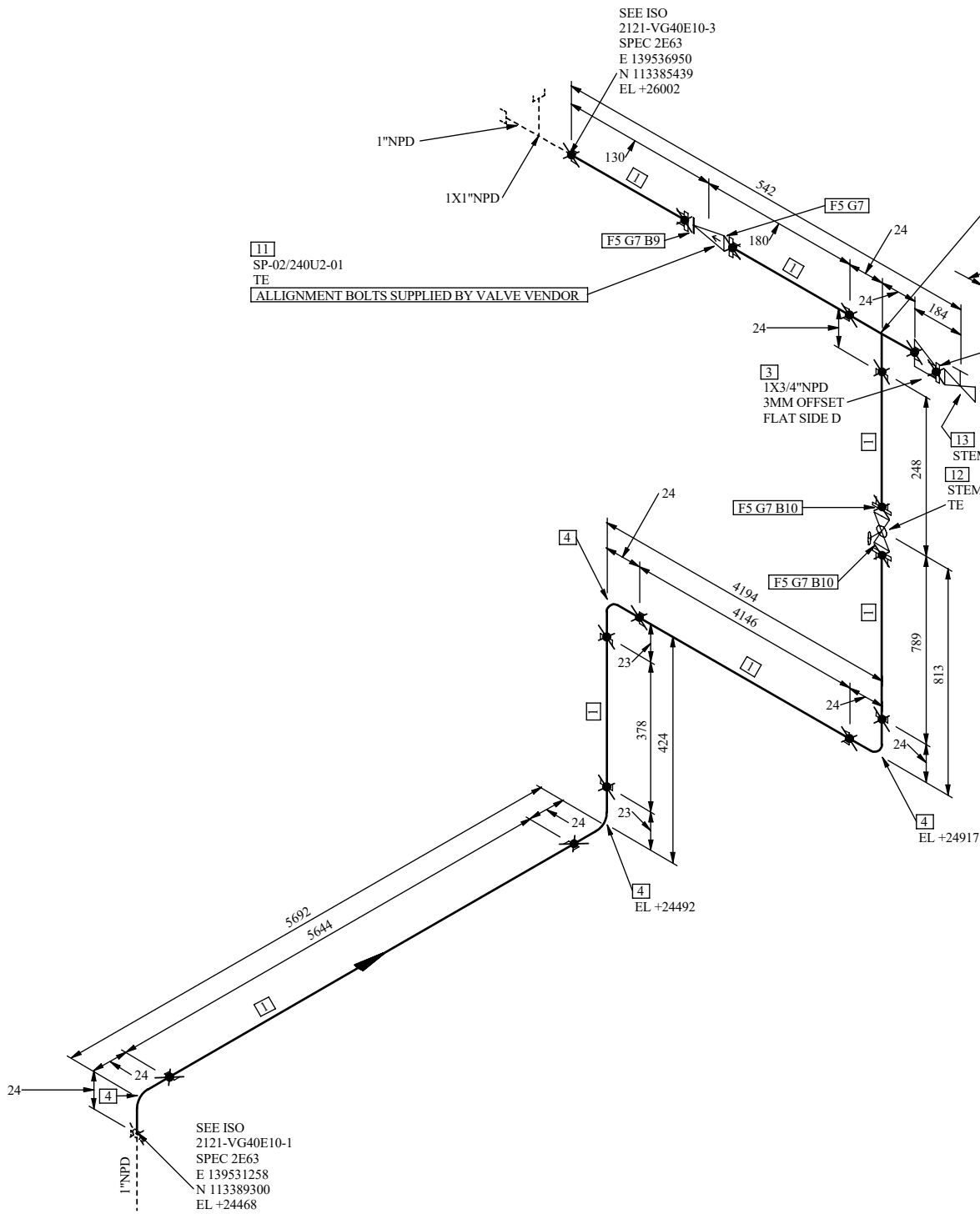



EXTR. DATE: 28-06-2023 09:26:24      STREAM NO.:4554      STREAM REV. NO.: 9      REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <PIPB04DA2140S> (L-PIP111)	1	12257939	11.3 M	
FITTINGS					
2	TEE ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R11FNL2A1101 NREQD <TESB450LBK1> (L-TES04)	1X1	12258184	1	
3	ECCENTRIC SWAGE MSS SP-95 - A182-F304/304L DUAL GR PE PE SMLS SCH1-40S SCH2-40S R22FQL2AZZ04 <ESWB04DAR12011101> (L-ESW23)	1X3/4	158060789	1	
4	90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 NREQD <90FB450LBK1> (L-90F05)	1	12258117	4	
FLANGES					
5	SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH F02CFL1MB105 S-40S <SWFB34DR35140S> (L-SWF37)	1	12500941	4	
6	SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH F02CFL1MB105 S-40S <SWFB34DR353/440S> (L-SWF37)	3/4	12500940	1	
GASKETS					
7	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME B16.5 G03GFP1IG04 <N/A> (N/A)	1	1219568	4	
8	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME B16.5 G03GFP1IG04 <N/A> (N/A)	3/4	1219567	2	
BOLTS					
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/841/4> - 2 NUTS PER BOLT - 105 mm Length	5/8	155704888	4	
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	155705037	16	
VALVES / IN-LINE ITEMS					
11	DISC CHECK WFR VALVE ASME B16.34 300# A351-CF8M RFTBE 316/R-PTFE, GF 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JFL08P01 NREQD <N/A> (N/A)	1	110059459	1	
12	BALL VALVE ASME B16.34 300# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFL08B05C NREQD <N/A> (N/A)	1	164815734	1	
13	GATE VALVE API 602 300# A182-F316/316L DUAL GR RFFE 12-316&HF SPW-316/PTFE A193-B8M CL2/8MA 125 - 250 AARH BB-OS&Y SOW PTFE HW ASME B16.5 V01GFL1MB511 NREQD <G43_4L-AL017> (L-AL017)	3/4	164004274	1	
PIPE MATERIAL		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.			
CS, low temperature		2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.			
HEAT TREATMENT (PWHT)		3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.			
N		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".			
PAINTING SCHEME (3)		CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:	
NR			4274-XH-DL-2121VG40E10-2	4001008	
PIPING CLASS					
2E63					
WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHILENE (PEL)			
M		AND POLYPROPYLENE (PP) PLANTS			
PED CATEGORY		CLIENT / COMPLEX			
Art 4.3		REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX			
INSULATION CODE / THK. (mm)		ANNEX	SPEC.	DRAWING NUMBER	
N 0		19	L	19-000-2-02-00001 sheet 2121VG40E10-2	
		REV. 00			