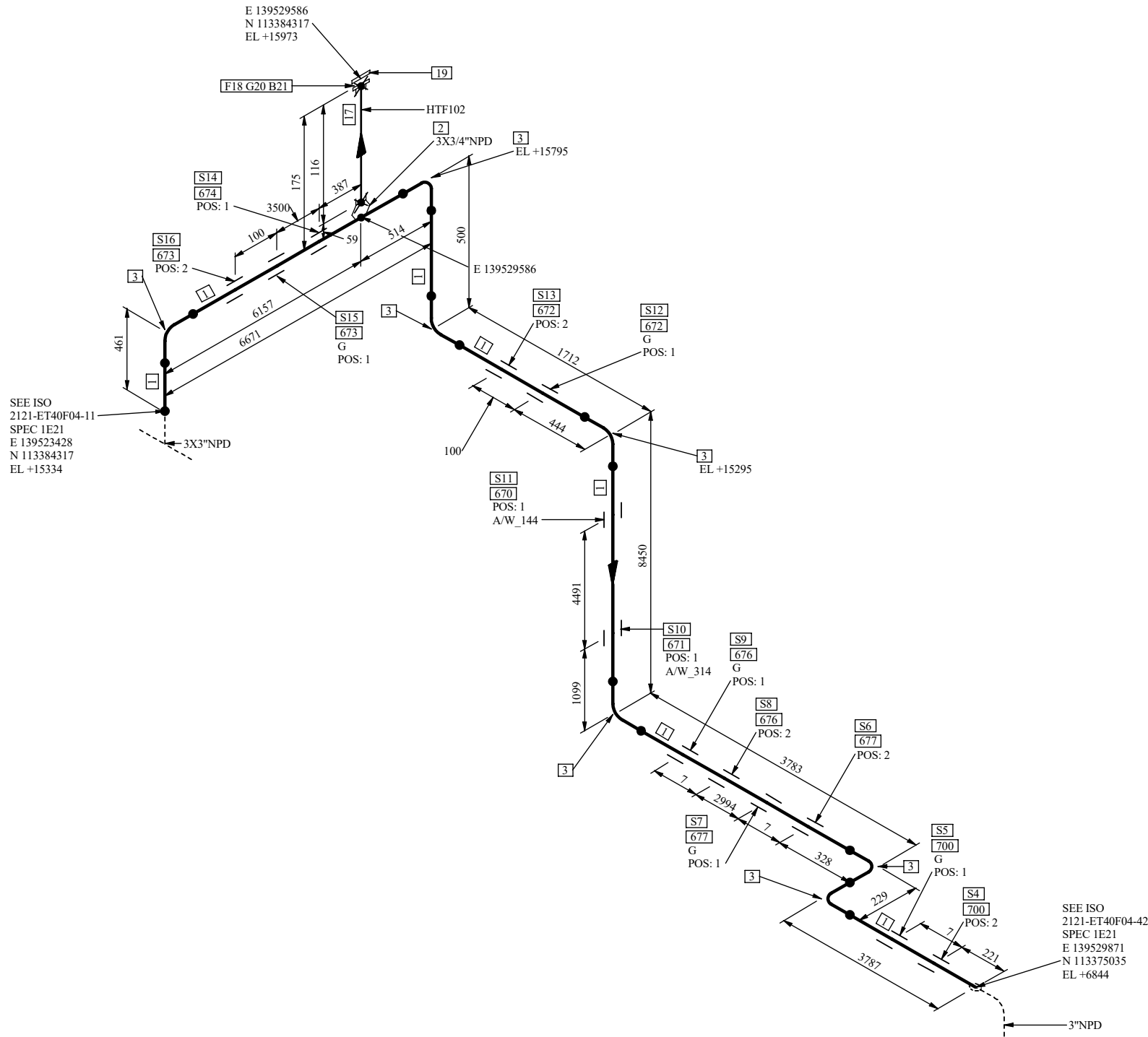


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STREAM NO.: 4005 STREAM REV. NO. : 10 REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	24.0 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	I1651368	1	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	7	
PIPE SUPPORTS					
4	STAKES SUPPORTS ST02 HEA140	3	700	1	
5	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	700	1	
6	STAKES SUPPORTS ST02 HEA140	3	677	1	
7	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	677	1	
8	STAKES SUPPORTS ST02 HEA140	3	676	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	676	1	
10	U BOLT (FOR GUIDE)-P02D	3	671	1	
11	U BOLT (FOR GUIDE)-P02D	3	670	1	
12	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	672	1	
13	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	672	1	
14	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	674	1	
15	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	673	1	
16	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	673	1	
PIPE					
17	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	0.2 M	
FLANGES					
18	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R353/4XS> (L-375)	3/4	I9762190	1	
19	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353/4> (L-143)	3/4	I1652375	1	
GASKETS					
20	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	3/4	I63508950	1	
BOLTS					
21	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	4	
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".					
PIPE MATERIAL					
CS					
HEAT TREATMENT (PWHT)					
N					
PAINTING SCHEME (3)					
1					
PIPING CLASS					
1E21					
WELDING CLASS (4)					
E					
PED CATEGORY					
II					
INSULATION CODE / THK. (mm)					
N 0					
ANNEX 19					
SPEC. L					
DRAWING NUMBER 19-000-2-02-00001 sheet 2121ET40F04-41					
REV. 00					