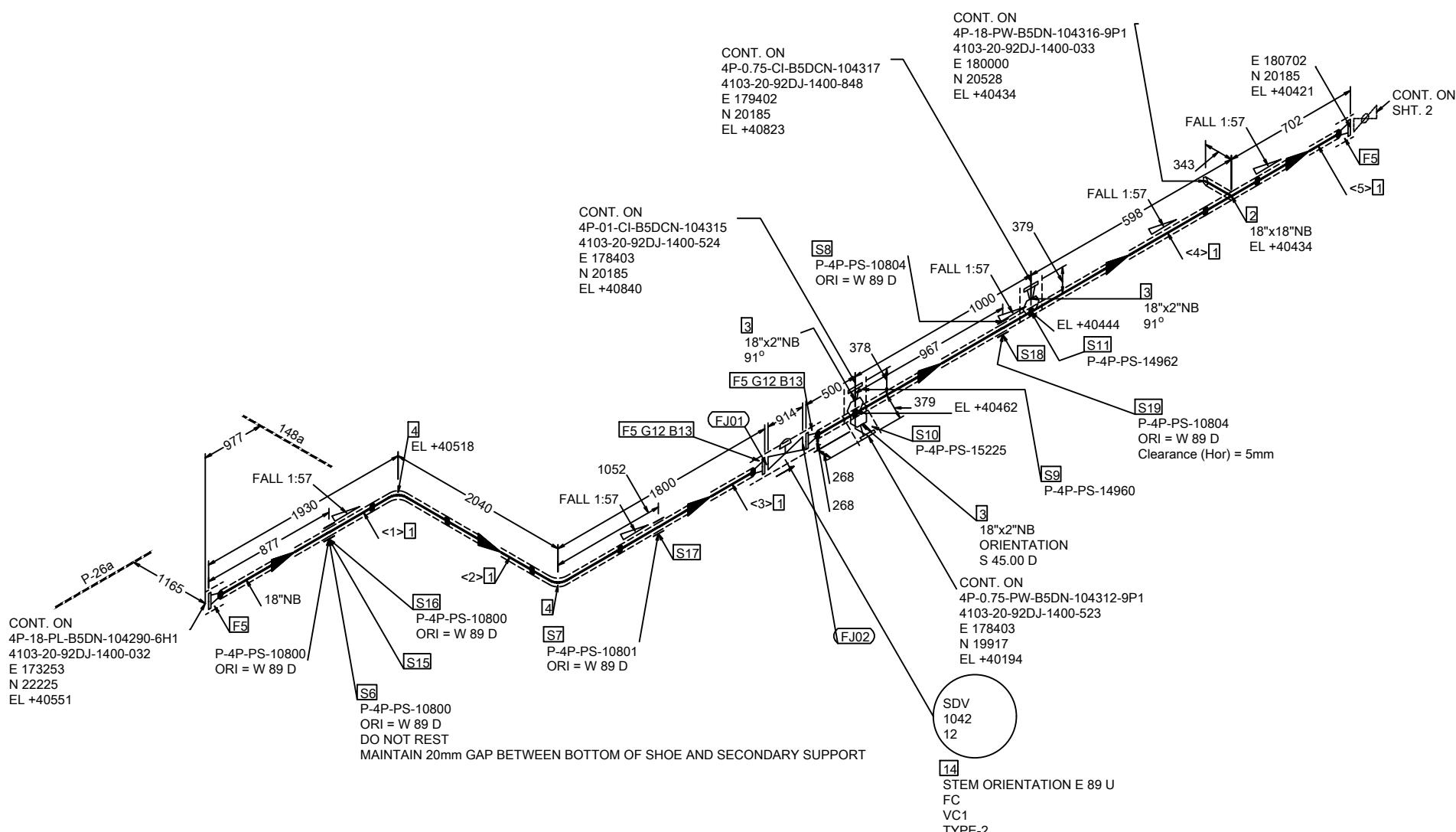


FWD (E)
↗



FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	4504
2	FITTINGS TEE EQUAL, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20	18 x 18	TEX42DBWN1802	1
3	FLANGOLET, ASTM A182 GR F51, MSS SP-97, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20 x 40S	18 x 2	OFX31BRFBBN1802024S	3
4	ELBOW 90, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5, BUTT WELD, DS01 NACE, S20	18	E9X42EBWN1802	2
5	FLANGES FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	4
6	SUPPORTS STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; No BP2	18	P-4P-PS-10800.1	1
7	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-165x250-P	18	P-4P-PS-10801.1	1
8	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-152x250-P	18	P-4P-PS-10804.1	1
9	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-14960.1	1
10	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-15225.1	1
11	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-14962.1	1

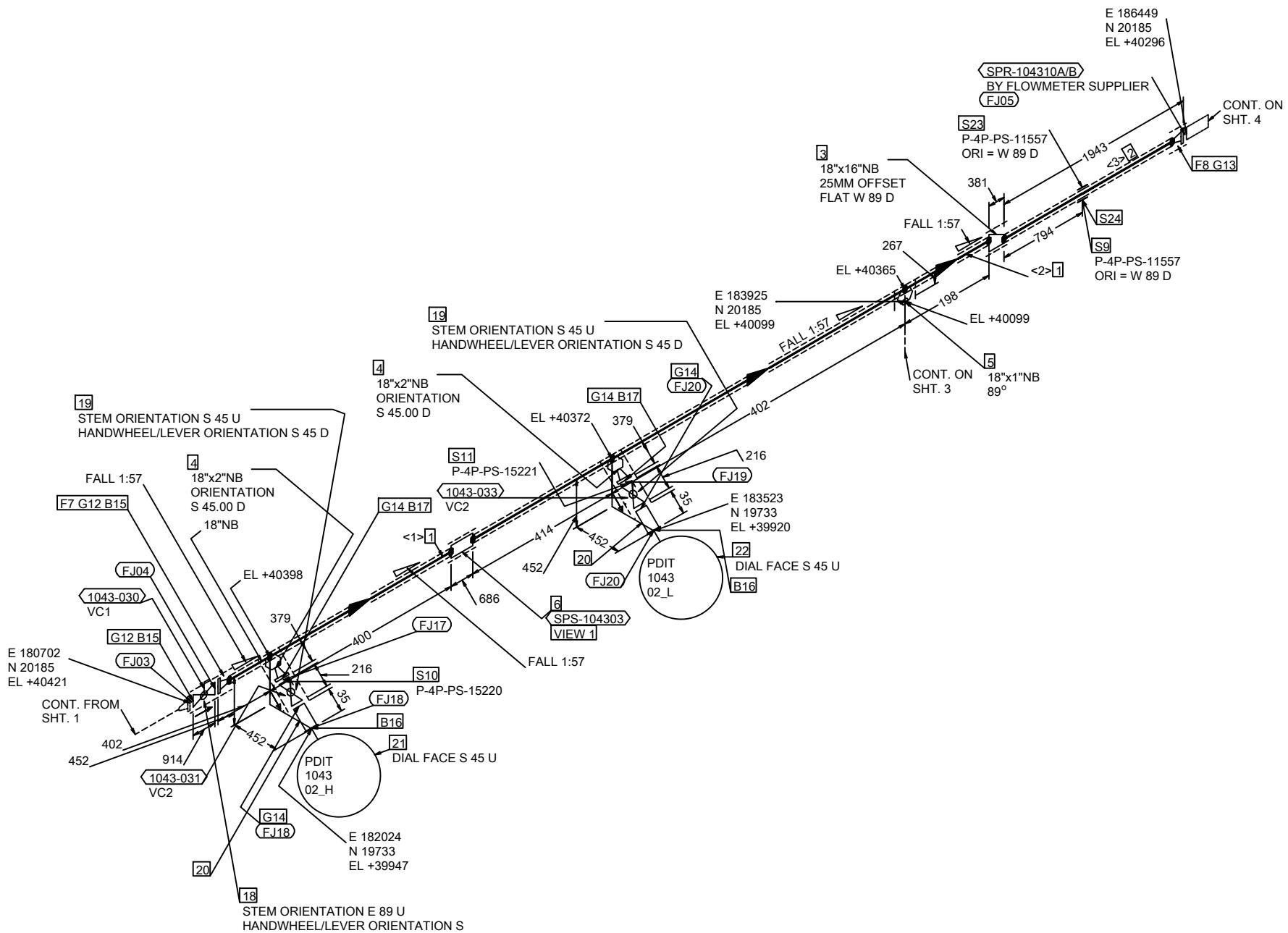
ERCTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
12	GASKETS GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	18	GAX71PBB18	2
13	BOLTS 200 MM LONG, STUBBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
14	INSTRUMENTS SHUTDOWN VALVE CL.300 RF	18	SDV-1042-12	1
15	SUPPORTS STRU. STEEL BRACKET GOAL POST ; B7A-F-750-869-869-BP	18	P-4P-PS-10800/SREF.1	1
16	GUIDE FOR PIPE SHOE ; G11B-18-132-75	18	P-4P-PS-10800.2	1
17	STRU. STEEL BRACKET GOAL POST ; B7A-F-820-848-848-BP	18	P-4P-PS-10801/SREF.1	1
18	STRU. STEEL BRACKET GOAL POST ; B7A-E-875-794-794-BP	18	P-4P-PS-10804/SREF.1	1
19	GUIDE FOR PIPE SHOE ; G11B-18-130-58	18	P-4P-PS-10804.2	1

CUT PIPE LENGTH

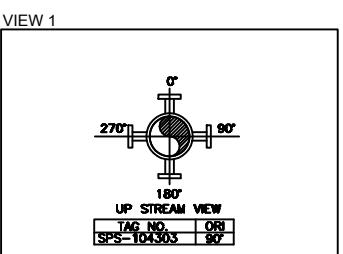
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	1085	18		<2>	668	18	
<3>	955	18		<4>	1596	18	
<5>	200	18					

FWD (E)

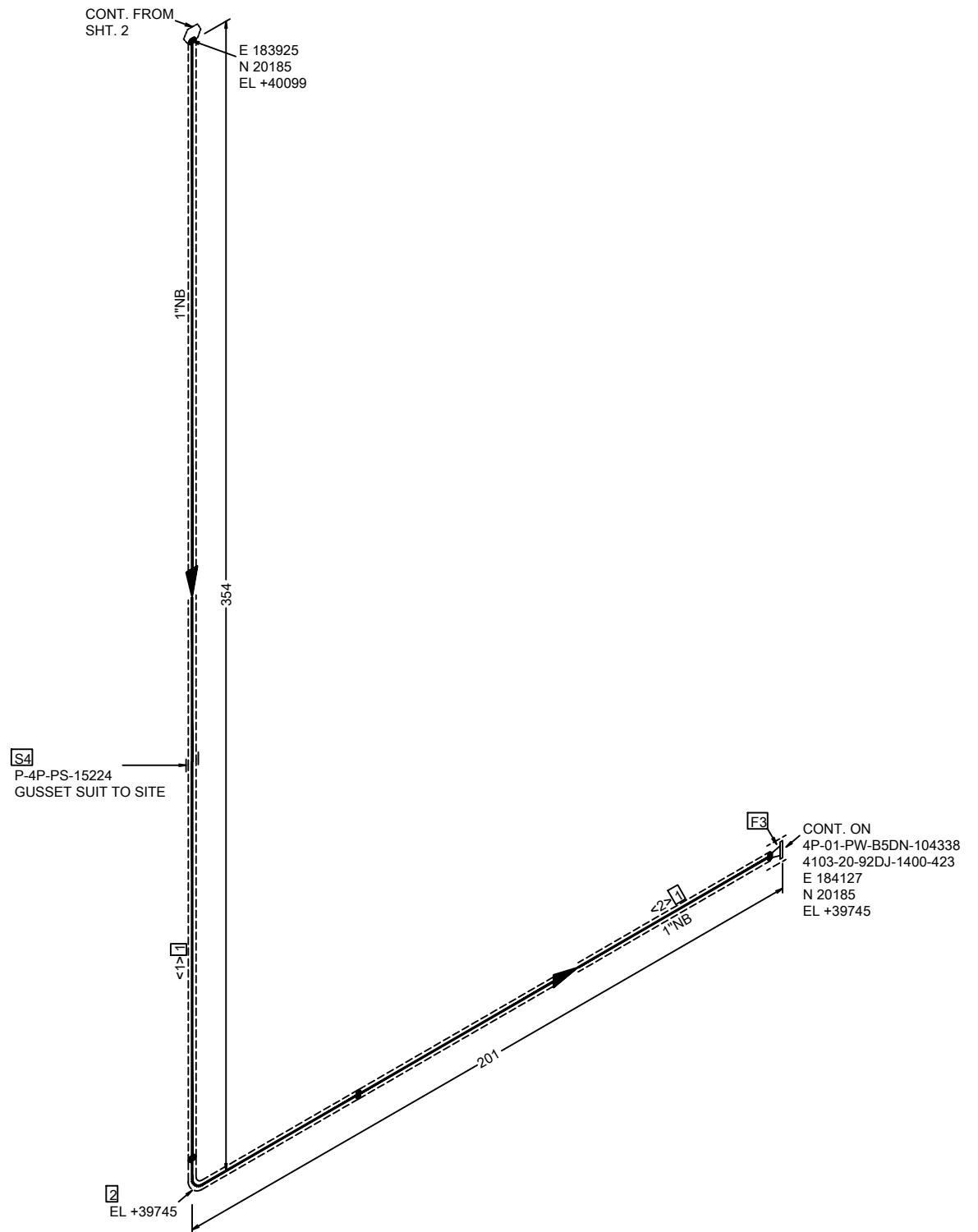


FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
	<u>PIPE</u>			
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	1657
2	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	16	PAX13ABEN1602	1758
	<u>FITTINGS</u>			
3	REDUCER ECC, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20 x S20	18 x 16	REX42DBWN18021602	1
4	FLANGOLET, ASTM A182 GR F51, MSS SP-97, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20 x 40S	18 x 2	OFX31BRFBBN1802024S	2
5	WELDOLET, ASTM A182 GR F51, MSS SP-97, BUTT WELD, DS01 NACE, S20 x 80S	18 x 1	OWX31ABWN18020D8S	1
6	T-TYPE STRAINER - T3 CL.300 BW	18	SPS-104303	1
	<u>FLANGES</u>			
7	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	1
8	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 600, DS01 NACE, S20	16	FWX31ARFDNN1602	1
	<u>SUPPORTS</u>			
9	STANDARD WELDED SHOE WITH REINF. PAD ; S3-16-350-DS ; RP1-1-16-390-DS-8 ; BP2-16-152x250-P	16	P-4P-PS-11557.1	1
10	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-15220.1	1
11	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-15221.1	1

PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
	<u>GASKETS</u>			
12	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALLIC TYPE "CGI", ASME CLASS 300	18	GAX71PBB18	2
13	SPECIAL GASKET CL.600 RF	16		
14	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALLIC TYPE "CGI", ASME CLASS 300	2	GAX71PBB02	4
	<u>BOLTS</u>			
15	200 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
16	135 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	5/8	BSZ64BG0F135	16
17	95 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	5/8	BSZ64BG0F095	16
	<u>VALVES / IN-LINE ITEMS</u>			
18	V-TAG:B5DN-2RNX BALL VALVE ASME CLASS 300 REDUCED PORT RF FLGD GOP	18	18"-B5DN-2RNX	1
19	V-TAG:B5DN-2RNX BALL VALVE ASME CLASS 300 REDUCED PORT RF FLGD LOP	2	2"-B5DN-2RNX	2
	<u>INSTRUMENTS</u>			
20	FLUSH-RING CL.300 RF 2 x 1/2" NPT-F , AISI 316(L)	2		
21	PRESSURE DIFFERENTIAL INDICATING TRANSMITTER CL.300 RF	2	PDIT-1043-02_H	2
22	PRESSURE DIFFERENTIAL INDICATING TRANSMITTER CL.300 RF	2	PDIT-1043-02_L	1
	<u>SUPPORTS</u>			
23	GUIDE FOR PIPE SHOE ; G11B-16-132-58	16	P-4P-PS-11557.2	1
24	STRU. STEEL BRACKET GOAL POST : B7A-F-1078-690-690-BP	16	P-4P-PS-11557(SREF. 1	1



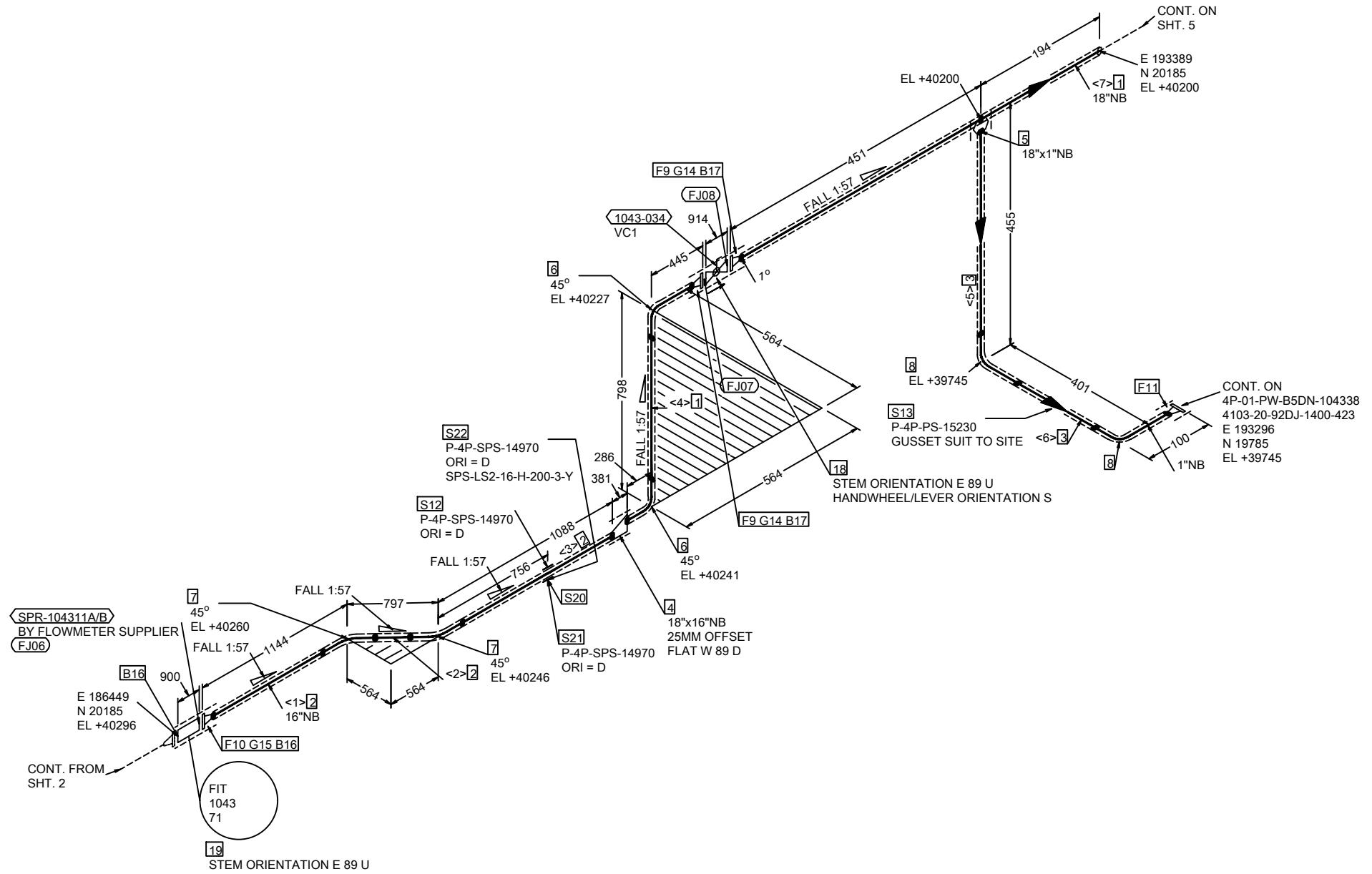
FWD (E)
↗



FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE PIPE, SEAMLESS ASTM A790 UNS S31803, ASME B36.19, BEVEL END, DS01 NACE, 80S	1	PAX11BBEN0D8S	417
2	FITTINGS ELBOW 90, SEAMLESS ASTM A815 UNS S31803 WP-S, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, 80S	1	E9X41EBWN0D8S	1
3	FLANGES FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, 80S	1	FWX31ARFBBN0D8S	1
4	SUPPORTS GUSSET SUPPORT FIG. GT2C WITH RPAD ; GT2C-1"-DS	1	P-4P-PS-15224.1	1

CUT PIPE LENGTH							
PIECE NO <1>	CUT LENGTH (mm) 316	N.B. (INS) 1	REMARKS	PIECE NO <2>	CUT LENGTH (mm) 101	N.B. (INS) 1	REMARKS

FWD (E)

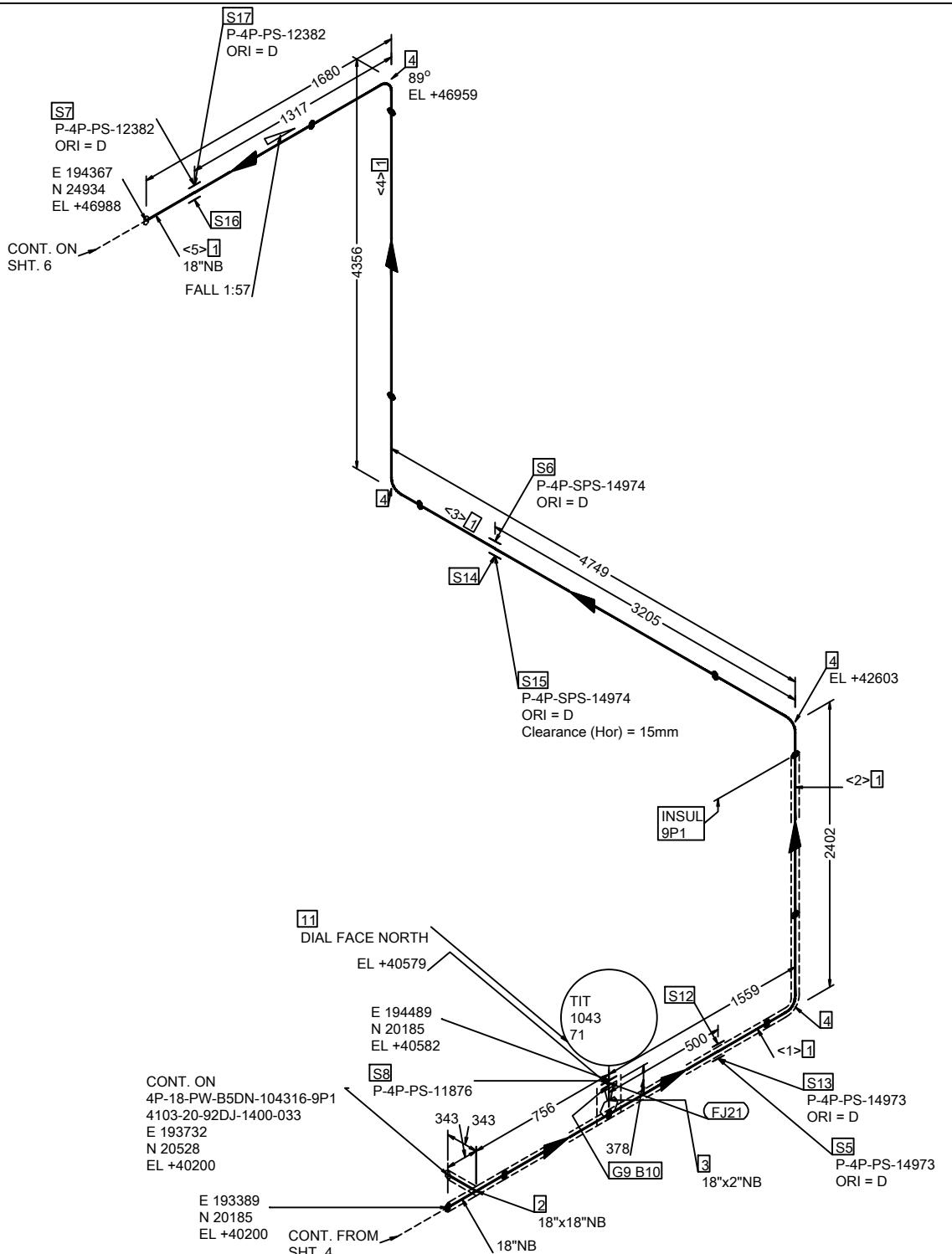


FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
	<u>PIPE</u>			
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	712
2	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	16	PAX13ABEN1602	1828
3	PIPE, SEAMLESS ASTM A790 UNS S31803, ASME B36.19, BEVEL END, DS01 NACE, 80S	1	PAX11BBEN0D8S	476
	<u>FITTINGS</u>			
4	REDUCER ECC, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20 x S20	18 x 16	REX42DBWN18021602	1
5	WELDOLET, ASTM A182 GR F51, MSS SP-97, BUTT WELD, DS01 NACE, S20 x 80S	18 x 1	OWX31ABWN18020D8S	1
6	ELBOW 45, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E4X42EBWN1802	2
7	ELBOW 45, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	16	E4X42EBWN1602	2
8	ELBOW 90, SEAMLESS ASTM A815 UNS S31803 WP-S, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, 80S	1	E9X41EBWN0D8S	2
	<u>FLANGES</u>			
9	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	2
10	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 600, DS01 NACE, S20	16	FWX31ARFDDN1602	1
11	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, 80S	1	FWX31ARFBBN0D8S	1
	<u>SUPPORTS</u>			
12	PIPE SHOE WITH REINF. PAD FOR HEAVY LOADS AT LINE STOP ; S11B-16-100-DS-96-104 ; RP1-1-16-340-DS-8 ; BP2-16-102x250-P	16	P-4P-SPS-14970.1	1
13	GUSSET SUPPORT FIG. GT2B WITH RPAD ; GT2B-1"-DS	1	P-4P-PS-15230.1	1

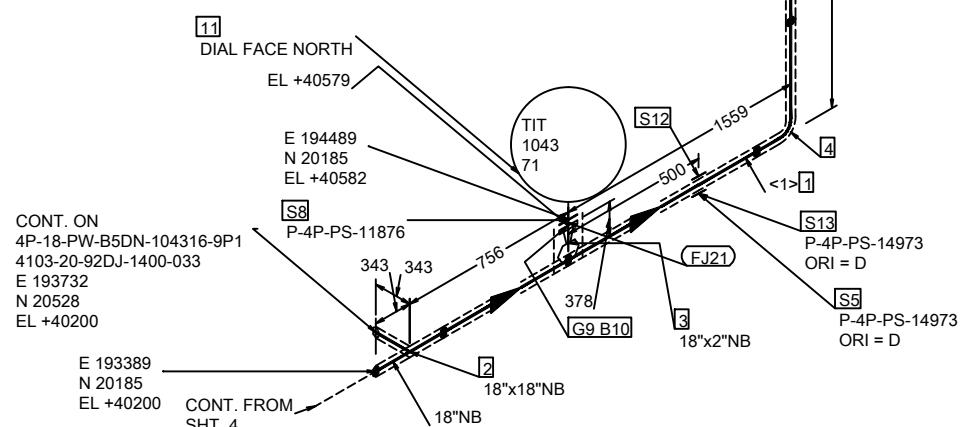
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
	<u>GASKETS</u>			
14	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALLIC TYPE "CGI", ASME CLASS 300 SPECIAL GASKET CL.600 RF	18	GAX71PBB18	2
15		16	SPR-104310A/B	1
	<u>BOLTS</u>			
16	260 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/2	BSZ64BG1E260	40
17	200 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
	<u>VALVES / IN-LINE ITEMS</u>			
18	V-TAG:B5DN-2RNX BALL VALVE ASME CLASS 300 REDUCED PORT RF FLGD GOP	18	18"-B5DN-2RNX	1
	<u>INSTRUMENTS</u>			
19	MAGNETIC FLOW METER RF CL.600	16	FIT-1043-71	1
	<u>SUPPORTS</u>			
20	SPECIAL SUPPORT	16	P-4P-SPS-14970/SREF.1	1
21	GUIDE FOR PIPE SHOE ; G11B-16-132-59	16	P-4P-SPS-14970.2	1
22	SPECIAL LIMIT STOP	16	P-4P-SPS-14970.3	1

CUT PIPE LENGTH				CUT PIPE LENGTH			
C.E	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
	705	16		<2>	289	16	
	834	16		<4>	226	18	
	151	1		<6>	325	1	
	486	18					

FWD (E)
↗

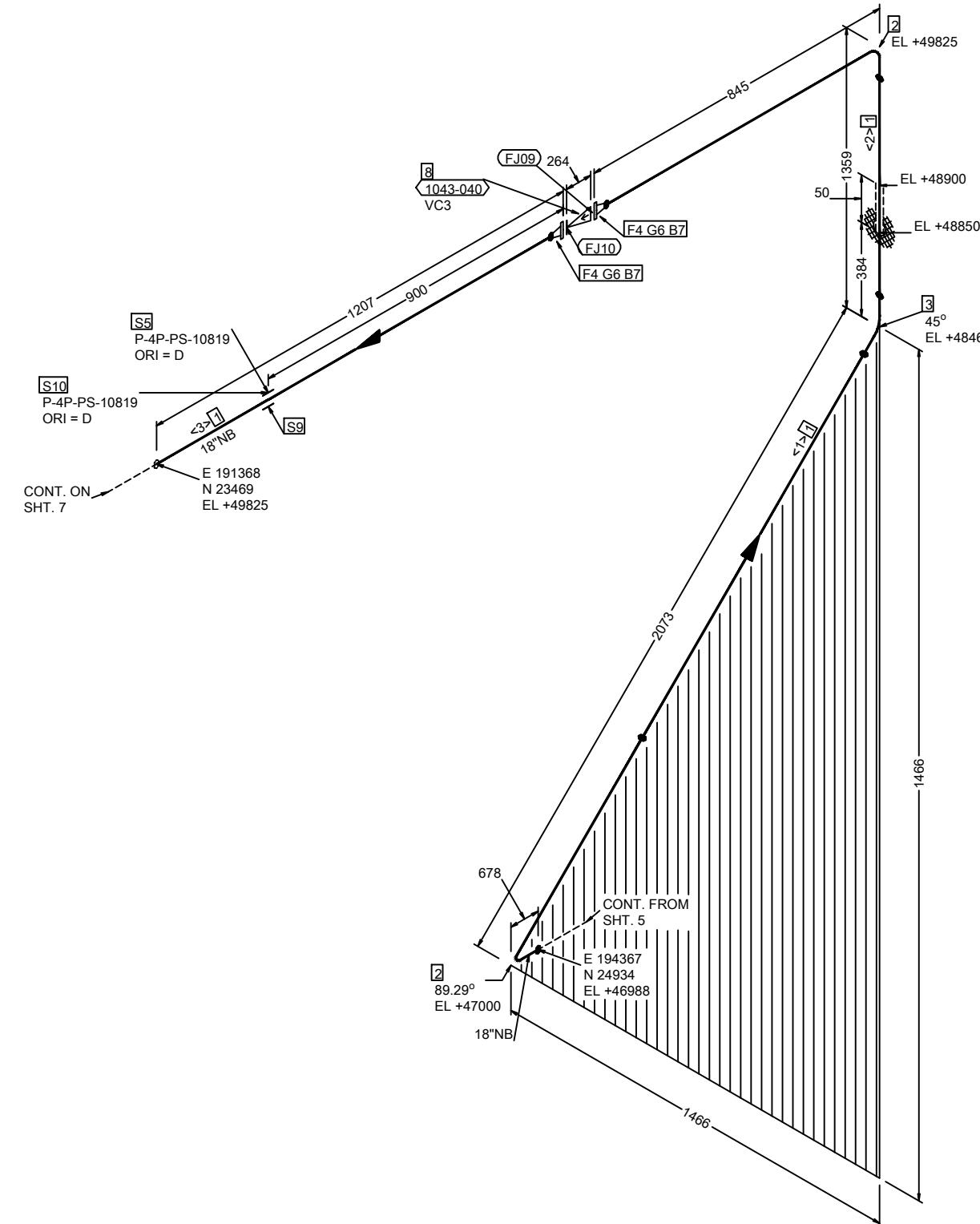


FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	9695
2	TEE EQUAL, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20	18 x 18	TEX42DBWN1802	1
3	FLANGOLET, ASTM A182 GR F51, MSS SP-97, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20 x 40S	18 x 2	OFX31BRFBBN1802024S	1
4	ELBOW 90, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5, BUTT WELD, DS01 NACE, S20	18	E9X4EBWN1802	4
5	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-165x250-P	18	P-4P-PS-14973.1	1
6	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-146x250-P	18	P-4P-SPS-14974.1	1
7	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-203x250-P	18	P-4P-PS-12382.1	1
8	GUSSET FOR TWO DIRECTIONAL BRACING WITH RPAD ; GT1-2"-DS	2	P-4P-PS-11876.1	1
ERCTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
9	GASKETS			
10	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	2	GAX71PBB02	1
11	BOLTS			
12	95 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	5/8	BSZ64BG0F095	8
13	INSTRUMENTS			
14	TEMPERATURE INDICATING TRANSMITTER CL.300 RF	2	TIT-1043-71	1
15	SUPPORTS			
16	STRU. STEEL BRACKET GOAL POST ; B7A-F-620-551-551-BP	18	P-4P-PS-14973/SREF.1	1
17	GUIDE FOR PIPE SHOE ; G11B-18-132-58	18	P-4P-PS-14973.2	1
18	SPECIAL SUPPORT	18	P-4P-SPS-14974/SREF.1	1
19	GUIDE FOR PIPE SHOE ; G11B-18-120-58	18	P-4P-SPS-14974.2	1
20	STRU. STEEL BRACKET BRACED CANTILEVER ; B44-D-800-600-45-DP	18	P-4P-PS-12382/SREF.1	1
21	GUIDE FOR PIPE SHOE ; G11B-18-132-58	18	P-4P-PS-12382.2	1



CUT PIPE LENGTH							
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	1286	18		<2>	1030	18	
<3>	3377	18		<4>	2996	18	
<5>	1006	18					

FWD (E)
↗



FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	2545
2	FITTINGS			
3	ELBOW 90, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E9X42EBWN1802	2
4	ELBOW 45, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E4X42EBWN1802	1
5	FLANGES			
6	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	2
7	SUPPORTS			
8	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-165x250-P	18	P-4P-PS-10819.1	1

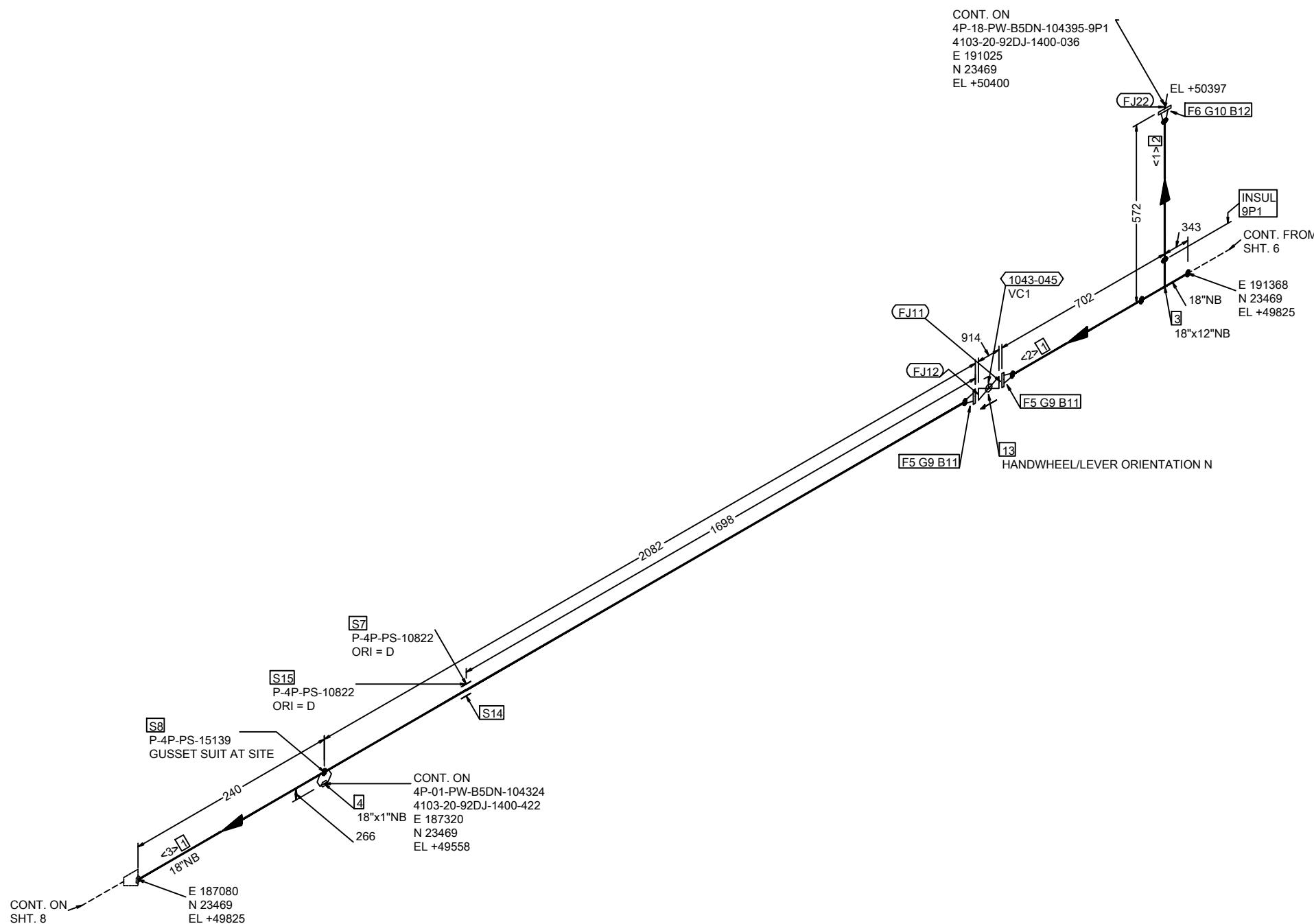
ERCTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
6	GASKETS			
7	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	18	GAX71PBB18	2
8	BOLTS			
9	200 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
10	VALVES / IN-LINE ITEMS			
11	V-TAG:B5DN-5RWX CHECK VALVE ASME CLASS 300 DUAL PLATE RF FLGD DUAL PLATE TYPE	18	18"-B5DN-5RWX	1
12	SUPPORTS			
13	STRU. STEEL BRACKET GOAL POST ; B7A-F-1080-673-673-BP	18	P-4P-PS-10819/SREF.1	1
14	GUIDE FOR PIPE SHOE ; G11B-18-132-58	18	P-4P-PS-10819.2	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	1109	18		<2>	388	18	
<3>	1048	18					

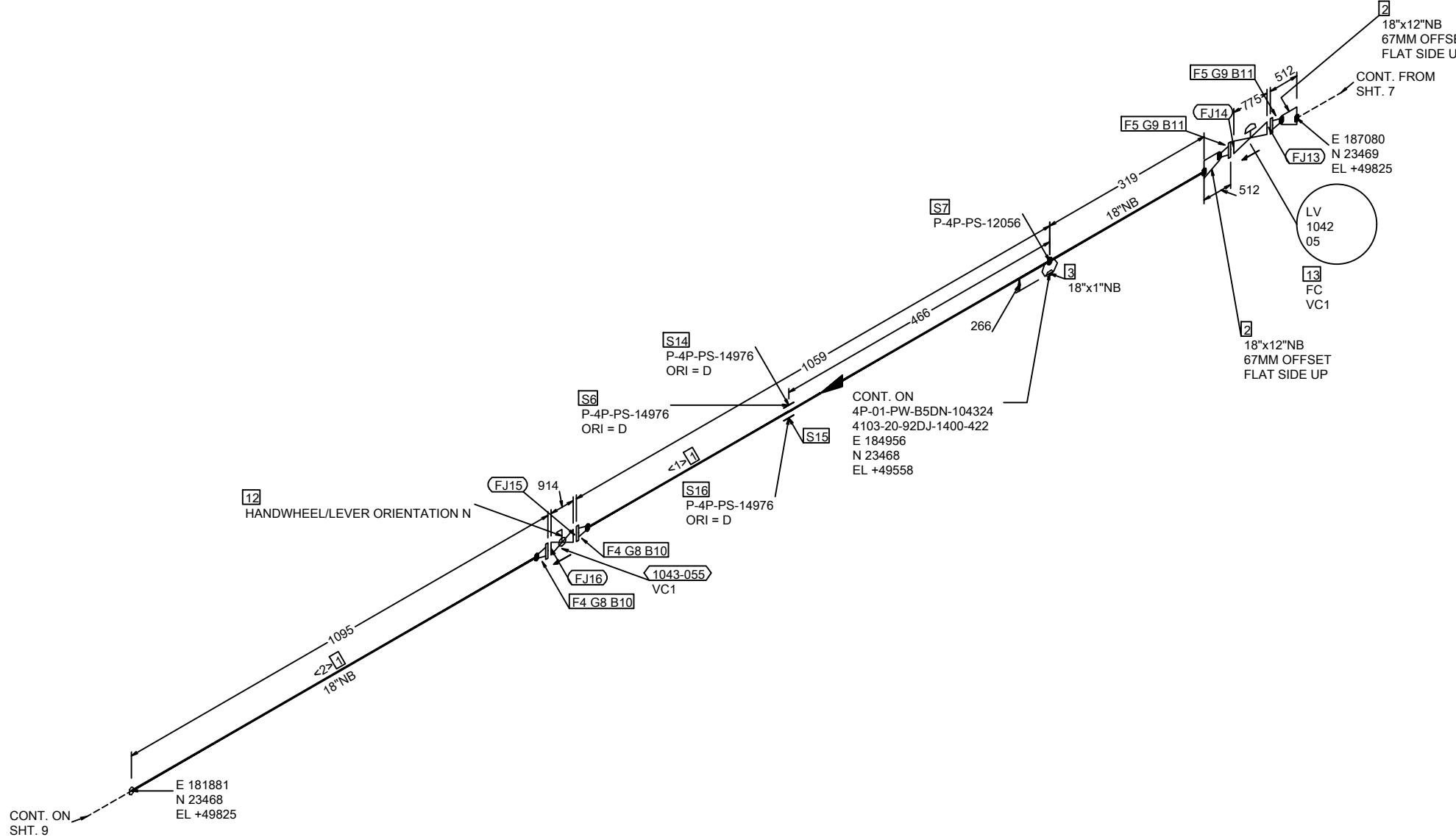
FWD (E)
↗



FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	2363
2	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	12	PAX13ABEN1202	120
	FITTINGS			
3	TEE RED, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20 x S20	18 x 12	TRX42DBWN18021202	1
4	WELOLET, ASTM A182 GR F51, MSS SP-97, BUTT WELD, DS01 NACE, S20 x 80S	18 x 1	OWX31ABWN18020D8S	1
	FLANGES			
5	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	2
6	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	12	FWX31ARFBBN1202	1
	SUPPORTS			
7	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-165x250-P	18	P-4P-PS-10822.1	1
8	GUSSET SUPPORT FIG. GT2B WITH RPAD ; GT2B-1"-DS	1	P-4P-PS-15139.1	1
ERCTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
9	GASKETS			
10	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	18	GAX71PBB18	2
11	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	12	GAX71PBB12	1
12	BOLTS			
11	200 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
12	175 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/8	BSZ64BG1B175	16
	VALVES / IN-LINE ITEMS			
13	V-TAG:B5DN-2RNX BALL VALVE ASME CLASS 300 REDUCED PORT RF FLGD GOP	18	18"-B5DN-2RNX	1
	SUPPORTS			
14	STRU. STEEL BRACKET GOAL POST ; B7A-F-1070-673-673-BP	18	P-4P-PS-10822/SREF.1	1
15	GUIDE FOR PIPE SHOE ; G11B-18-132-58	18	P-4P-PS-10822.2	1

CUT PIPE LENGTH						
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)
<1>	120	12		<2>	200	
<3>	2163	18				

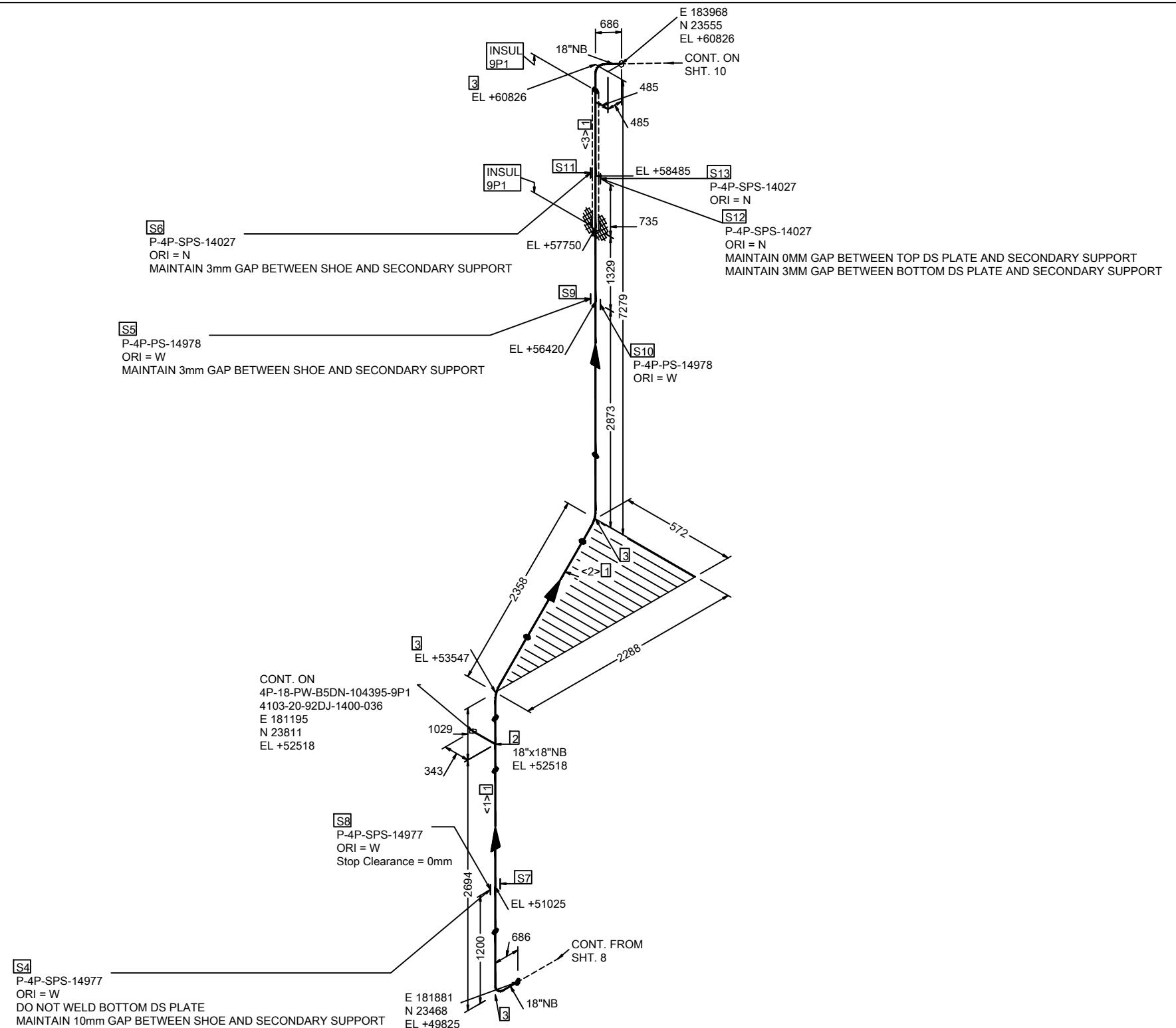
FWD (E)



FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1 2 3 4 5 6 7	<u>PIPE</u> PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	2155
	<u>FITTINGS</u>			
	REDUCER ECC, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20 x S20	18 x 12	REX42DBWN18021202	2
	WELDOLET, ASTM A182 GR F51, MSS SP-97, BUTT WELD, DS01 NACE, S20 x 80S	18 x 1	OWX31ABWN18020D8S	1
	<u>FLANGES</u>			
	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	18	FWX31ARFBBN1802	2
	FLANGE WN, ASTM A182 GR F51, ASME B16.5, FLANGED RAISED FACE, ASME CLASS 300, DS01 NACE, S20	12	FWX31ARFBBN1202	2
<u>SUPPORTS</u>				
6 STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-400-DS ; RP1-1-18-440-DS-8 ; BP2-18-146x250-P		18	P-4P-PS-14976.1	1
7 GUSSET SUPPORT FIG. GT2A WITH RPAD ; GT2A-1"-DS		1	P-4P-PS-12056.1	1
ERCTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
8	<u>GASKETS</u>			
	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	18	GAX71PBB18	2
9	GASKET, UNS 31803 (ALL RINGS) WITH NON-ASBESTOS FILLER (E.G. GRAPHITE), SPIRAL WOUND ASME B16.20, 4.5 MM THK (3.175 MM THK SOLID RINGS), FLEXITALIC TYPE "CGI", ASME CLASS 300	12	GAX71PBB12	2
10	BOLTS			
10	200 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/4	BSZ64BG1C200	48
11	175 MM LONG, STUDBOLT, ASTM A1082 UNS S32760 MDS DS05 (IMPACT TEST AT -46 DEG C), WITH 2 HEX HEAVY NUTS, ASME B18.31.2/B18.2.2, DEGREASED + WHITFORD XYLAN 1014-GRAY COLOR	1.1/8	BSZ64BG1B175	32
<u>VALVES / IN-LINE ITEMS</u>				
12	V-TAG:B5DN-2RNX BALL VALVE ASME CLASS 300 REDUCED PORT RF FLGD GOP	18	18"-B5DN-2RNX	1
<u>INSTRUMENTS</u>				
13	LEVEL CONTROL VALVE CL.300 RF	12	LV-1042-05	1
<u>SUPPORTS</u>				
14	LINE STOP ON PIPE SHOE : LS2B-18	18	P-4P-PS-14976.3	1
15	STRU. STEEL BRACKET T - TYPE WITHOUT BRACING ; B13-D-600-673	18	P-4P-PS-14976/SREF.1	1
16	GUIDE FOR PIPE SHOE ; G11B-18-132-58	18	P-4P-PS-14976.2	1

CUT PIPE LENGTH				CUT PIPE LENGTH			
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	1219	18		<2>	936	18	

FWD (E)
↗

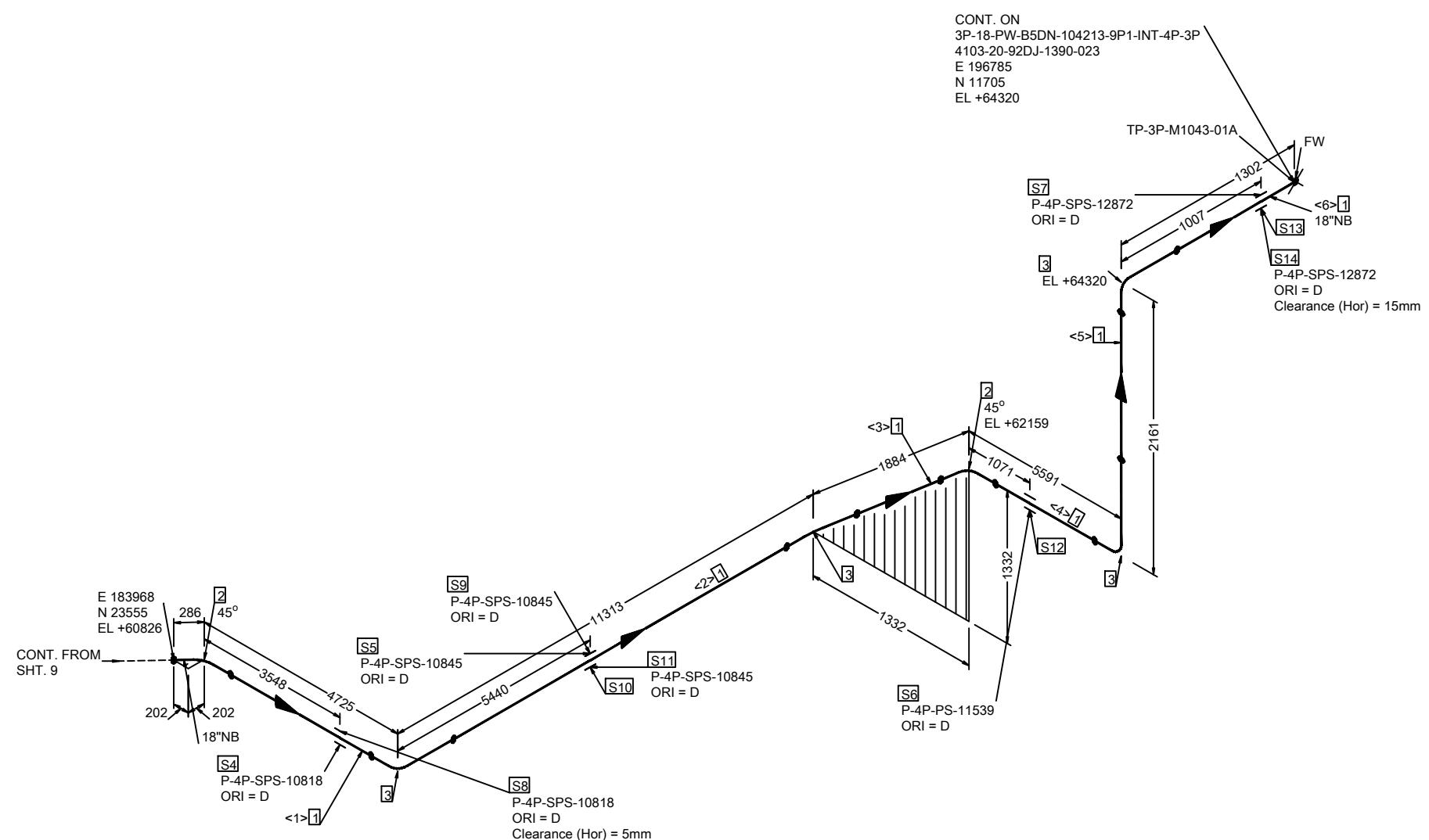


FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	8558
2	TEE EQUAL, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, BUTT WELD, DS01 NACE, S20	18 x 18	TEX42DBWN1802	1
3	ELBOW 90, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E9X42EBWN1802	4
4	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-400-DS ; RP1-1-18-440-DS-8 ; No BP2	18	P-4P-SPS-14977.1	1
5	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-152x250-P	18	P-4P-PS-14978.1	1
6	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-450-DS ; RP1-1-18-490-DS-8 ; BP2-18-102x250-P	18	P-4P-SPS-14027.1	1

ERCTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
7	SUPPORTS			
8	SPECIAL SUPPORT	18	P-4P-SPS-14977/SREF.1	1
9	LINE STOP ON PIPE SHOE ; LS2B-18	18	P-4P-SPS-14977.2	1
10	STRU. STEEL BRACKET VERT. PIPE ; B15D-C-987-785-985-BP	18	P-4P-PS-14978/SREF.1	1
11	HOLD DOWN GUIDE FOR PIPE SHOE ; G12B-18-132-51	18	P-4P-PS-14978.2	1
12	SPECIAL SUPPORT	18	P-4P-SPS-14027/SREF.1	1
13	LINE STOP ON PIPE SHOE ; LS2B-18	18	P-4P-SPS-14027.2	1
	HOLD DOWN GUIDE FOR PIPE SHOE ; G12B-18-132-54	18	P-4P-SPS-14027.3	1

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	1665	18		<2>	986	18	
<3>	5907	18					

FWD (E)
↗



FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
1	PIPE, EFSW ASTM A928 UNS S31803 CL.1 + 100% RT, ASME B36.10, BEVEL END, DS01 NACE, S20	18	PAX13ABEN1802	20630
2	ELBOW 45, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E4X4EBWN1802	2
3	ELBOW 90, WELDED ASTM A815 UNS S31803 WP-W + 100% RT, ASME B16.9, R=1.5D, BUTT WELD, DS01 NACE, S20	18	E9X4EBWN1802	4
4	SUPPORTS STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-150x250-P	18	P-4P-SPS-10818.4	1
5	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-500-DS ; RP1-1-18-540-DS-8 ; BP2-18-165x250-P	18	P-4P-SPS-10845.1	1
6	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-165x250-P	18	P-4P-PS-11539.1	1
7	STANDARD WELDED SHOE WITH REINF. PAD ; S3-18-350-DS ; RP1-1-18-390-DS-8 ; BP2-18-150x250-P	18	P-4P-SPS-12872.1	1

ERCTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.B. (INS)	ITEM CODE	QTY (mm/no.)
8	SUPPORTS GUIDE FOR PIPE SHOE ; G11B-18-130-58	18	P-4P-SPS-10818.5	1
9	LINE STOP ON PIPE SHOE ; LS2B-18	18	P-4P-SPS-10845.3	1
10	SPECIAL SUPPORT	18	P-4P-SPS-10845/SREF.1	1
11	HOLD DOWN GUIDE FOR PIPE SHOE ; G12B-18-132-51	18	P-4P-SPS-10845.2	1
12	STRU. STEEL BRACKET BRACED CANTILEVER ; B4A-C-802-602-45-DP	18	P-4P-PS-11539/SREF.1	1
13	SPECIAL SUPPORT	18	P-4P-SPS-12872/SREF.1	1
14	GUIDE FOR PIPE SHOE ; G11B-18-120-58	18	P-4P-SPS-12872.2	1

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS	PIECE NO	CUT LENGTH (mm)	N.B. (INS)	REMARKS
<1>	3753	18		<2>	9941	18	
<3>	912	18		<4>	4619	18	
<5>	789	18		<6>	616	18	