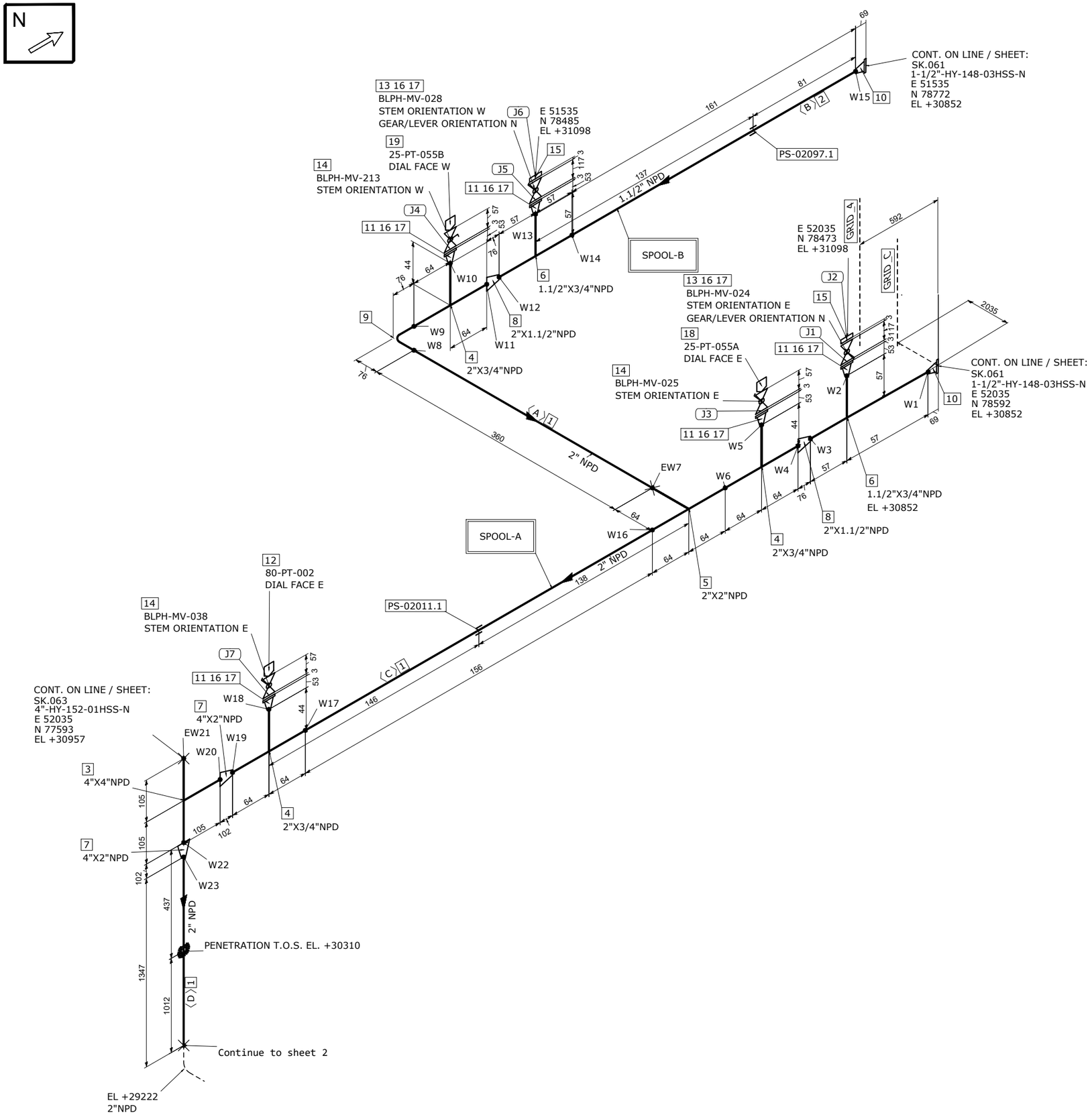


MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	2	PIPESS00540200	Pipe ASME B36.19M PE 2,77 SML ASTM A312 Gr.TP316/316L	1.9M	7.4
2	1.1/2	PIPESS00531H00	Pipe ASME B36.19M PE 3,68 SML ASTM A312 Gr.TP316/316L	0.2M	0.7
3	4X4	TEE0SS00060400	Tee ASME B16.9 BW 3,05 WRS ASTM A403 Gr.WP316/316L	1	2.7
4	2X3/4	TER0SS0318023Q	Tee Reducing ASME B16.9 BW 2,77x2,87 WRS ASTM A403 Gr.WP316/316L	3	2.8
5	2X2	TEE0SS00010200	Tee ASME B16.9 BW 2,77 WRS ASTM A403 Gr.WP316/316L	1	1.1
6	1.1/2X3/4	TER0SS03751H3Q	Tee Reducing ASME B16.9 BW 3,68x2,87 WRS ASTM A403 Gr.WP316/316L	2	1.5
7	4X2	REC0SS02900402	Reducer Concentric ASME B16.9 BW 3,05x2,77 WRS ASTM A403 Gr.WP316/316L	2	1.4
8	2X1.1/2	REC0SS0280021H	Reducer Concentric ASME B16.9 BW 2,77x3,68 WRS ASTM A403 Gr.WP316/316L	2	0.6
9	2	E90RSS00010200	90 Deg Elbow Long Radius ASME B16.9 BW 2,77 WRS ASTM A403 Gr.WP316/316L	1	0.5
10	1.1/2	FLW0SS03481H00	Flange WN ASME B16.5 300LB RF 3,68 FRG ASTM A182 Gr.F316/316L	2	6.5
11	3/4	FLW0SS00923Q00	Flange WN ASME B16.5 150LB RF 2,87 FRG ASTM A182 Gr.F316/316L	5	4.6

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
12	1/2		Pressure Transmitter - Online	1	2.0
13	3/4	VBC0NN24343Q00	Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RFH	2	10.6
14	3/4X1/2	VLBNNN00023Q0H	Monoflange Block & Bleed Valve API 6D FLG x THRD-F NPT 150LB RF MS01C02YH	3	13.0
15	3/4	FLB0SS00483Q00	Flange Blind ASME B16.5 150LB RF FRG ASTM A182 Gr.F316/316L	2	1.8
16	3/4	GSW0GK11093Q00	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	7	0.4
17	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	28	3.4
18	1/2		Pressure Transmitter - Online	1	2.0
19	1/2		Pressure Transmitter - Online	1	2.0

FABRICATION WEIGHT [kg]	29.8
ERECTION WEIGHT [kg]	35.2
OVERALL WEIGHT [kg]	65.0

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	1.1/2	BW
W2	3/4	BW
W3	1.1/2	BW
W4	2	BW
W5	3/4	BW
W6	2	BW
EW7	2	BW
W8	2	BW
W9	2	BW
W10	3/4	BW
W11	2	BW
W12	1.1/2	BW
W13	3/4	BW
W14	1.1/2	BW
W15	1.1/2	BW
W16	2	BW
W17	2	BW
W18	3/4	BW
W19	2	BW
W20	4	BW
EW21	4	BW
W22	4	BW
W23	2	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	2	360	BEVEL	BEVEL
B	1.1/2	161	BEVEL	BEVEL
C	2	156	BEVEL	BEVEL
D	2	1347	BEVEL	BEVEL

SUPPORT LIST

PS-02097.1
PS-02011.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	31.25	20.1
B	12	9.6
MONT	6	35.2

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	03-09-2024	STAFF SRL	RT	LM	REVISED WHERE INDICATED
00	30-07-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 2"-HY-023-01HSS-N

SK.016

LINE DATA							
NDT INSPECTION CATEGORY	1		PED CATEGORY	I			
PAINTING	SYSTEM 6A	BASE RAL RAL-9002	FLUID PHASE	Gas			
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS. 10 [barg]	TEMP. -29 / 100 [°C]		
HEAT TRACING	N/A		TEST	PRESS. 15 [barg]	TEMP. AMB	MEDIUM Water	

REFERENCE DOCUMENTS	
P&ID	123A90-DDL-PR-PID-80014
ISOMETRIC SHOP DWG LIST	123A90-FDL-PP-LIS-00001
PIPING SUPPORT BOOK	123A90-DDL-PP-DD-72000
PIPING MATERIAL CLASS	123A90-DDL-PP-SP-70029

NOTES

MASTER

CONTRACT NO./ TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE	N/A
DRAWN	STAFF SRL
CHECKED	RT
APPROVED	LM
DATE	03-09-2024
FORMAT	A3
DRAWING NO.	123A90-FDL-PP-DI-00016
SHEET / OF	1/2
REV.	01