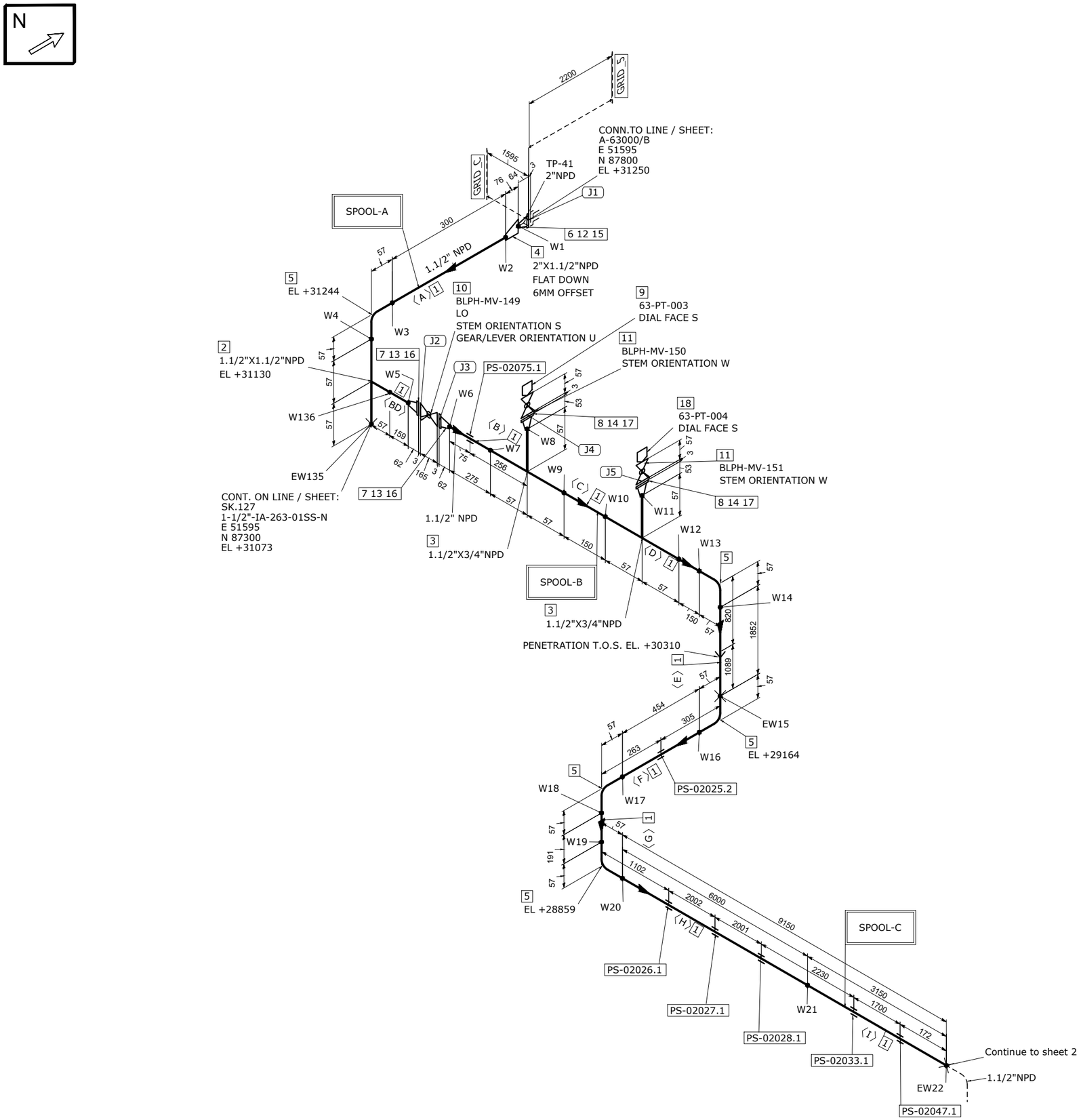


MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	1.1/2	PIPESS00531H00	Pipe ASME B36.19M PE 3,68 SML ASTM A312 Gr.TP316/316L	12.5M	51.5
2	1.1/2X1.1/2	TEE0SS00561H00	Tee ASME B16.9 BW 3,68 WRS ASTM A403 Gr.WP316/316L	1	0.8
3	1.1/2X3/4	TER0SS03751H3Q	Tee Reducing ASME B16.9 BW 3,68x2,87 WRS ASTM A403 Gr.WP316/316L	2	1.5
4	2X1.1/2	REE0SS0242021H	Reducer Eccentric ASME B16.9 BW 2,77x3,68 WRS ASTM A403 Gr.WP316/316L	1	0.3
5	1.1/2	E90RSS00681H00	90 Deg Elbow Long Radius ASME B16.9 BW 3,68 WRS ASTM A403 Gr.WP316/316L	5	1.9
6	2	FLW0SS00010200	Flange WN ASME B16.5 150LB RF 2,77 FRG ASTM A182 Gr.F316/316L	1	2.7
7	1.1/2	FLW0SS00941H00	Flange WN ASME B16.5 150LB RF 3,68 FRG ASTM A182 Gr.F316/316L	2	3.7
8	3/4	FLW0SS00923Q00	Flange WN ASME B16.5 150LB RF 2,87 FRG ASTM A182 Gr.F316/316L	2	1.8

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
9	1/2		Pressure Transmitter - Online	1	0.0
10	1.1/2	VBC0NN06961H00	Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RF	1	12.7
11	3/4X1/2	VLBNNN00033Q0H	Monoflange Block & Bleed Valve API 6D FLG x THRD-F NPT 150LB RF MS01C02Y	2	8.6
12	2	GSW0GK11130200	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	1	0.1
13	1.1/2	GSW0GK11121H00	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.1
14	3/4	GSW0GK11093Q00	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.1
15	5/8	SB20BO00660300	85 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	4	1.0
16	1/2	SB20BO00930200	70 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	1.0
17	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	1.0
18	1/2		Pressure Transmitter - Online	1	0.0

FABRICATION WEIGHT [kg]	64.2
ERECTION WEIGHT [kg]	24.6
OVERALL WEIGHT [kg]	88.8

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	2	BW
W2	1.1/2	BW
W3	1.1/2	BW
W4	1.1/2	BW
W5	1.1/2	BW
W6	1.1/2	BW
W7	1.1/2	BW
W8	3/4	BW
W9	1.1/2	BW
W10	1.1/2	BW
W11	3/4	BW
W12	1.1/2	BW
W13	1.1/2	BW
W14	1.1/2	BW
EW15	1.1/2	BW
W16	1.1/2	BW
W17	1.1/2	BW
W18	1.1/2	BW
W19	1.1/2	BW
W20	1.1/2	BW
W21	1.1/2	BW
EW22	1.1/2	BW
EW135	1.1/2	BW
W136	1.1/2	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	1.1/2	300	BEVEL	BEVEL
B	1.1/2	275	BEVEL	BEVEL
C	1.1/2	150	BEVEL	BEVEL
D	1.1/2	150	BEVEL	BEVEL
E	1.1/2	1852	BEVEL	BEVEL
F	1.1/2	454	BEVEL	BEVEL
G	1.1/2	191	BEVEL	BEVEL
H	1.1/2	6000	BEVEL	BEVEL
I	1.1/2	3150	BEVEL	BEVEL
BD	1.1/2	155	BEVEL	BEVEL

SUPPORT LIST

PS-02075.1
PS-02025.2
PS-02026.1
PS-02027.1
PS-02028.1
PS-02033.1
PS-02047.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	9.5	7.3
B	12	15.5
C	9	41.4
MONT	4.5	24.6

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	27-08-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE: SHOP DRAWING ISOMETRIC
LINE NR. 1-1/2"-IA-108-01SS-N

SK.036

CONTRACT NO./ TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE: N/A

DRAWN: STAFF SRL | CHECKED: RT | APPROVED: LM | DATE: 27-08-2024

FORMAT: A3 | DRAWING NO.: 123A90-FDL-PP-DI-00036 | SHEET / OF: 1/8 | REV.: 00

LINE DATA

NDT INSPECTION CATEGORY	2		PED CATEGORY	Art. 4, par. 3				
PAINTING	SYSTEM 6A	BASE RAL RAL-9002	FLUID PHASE	Gas				
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS. 12 [barg]	TEMP. -29 / 100 [°C]			
HEAT TRACING	N/A		TEST	PRESS. 18 [barg]	TEMP. AMB	MEDIUM Water		

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80027
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