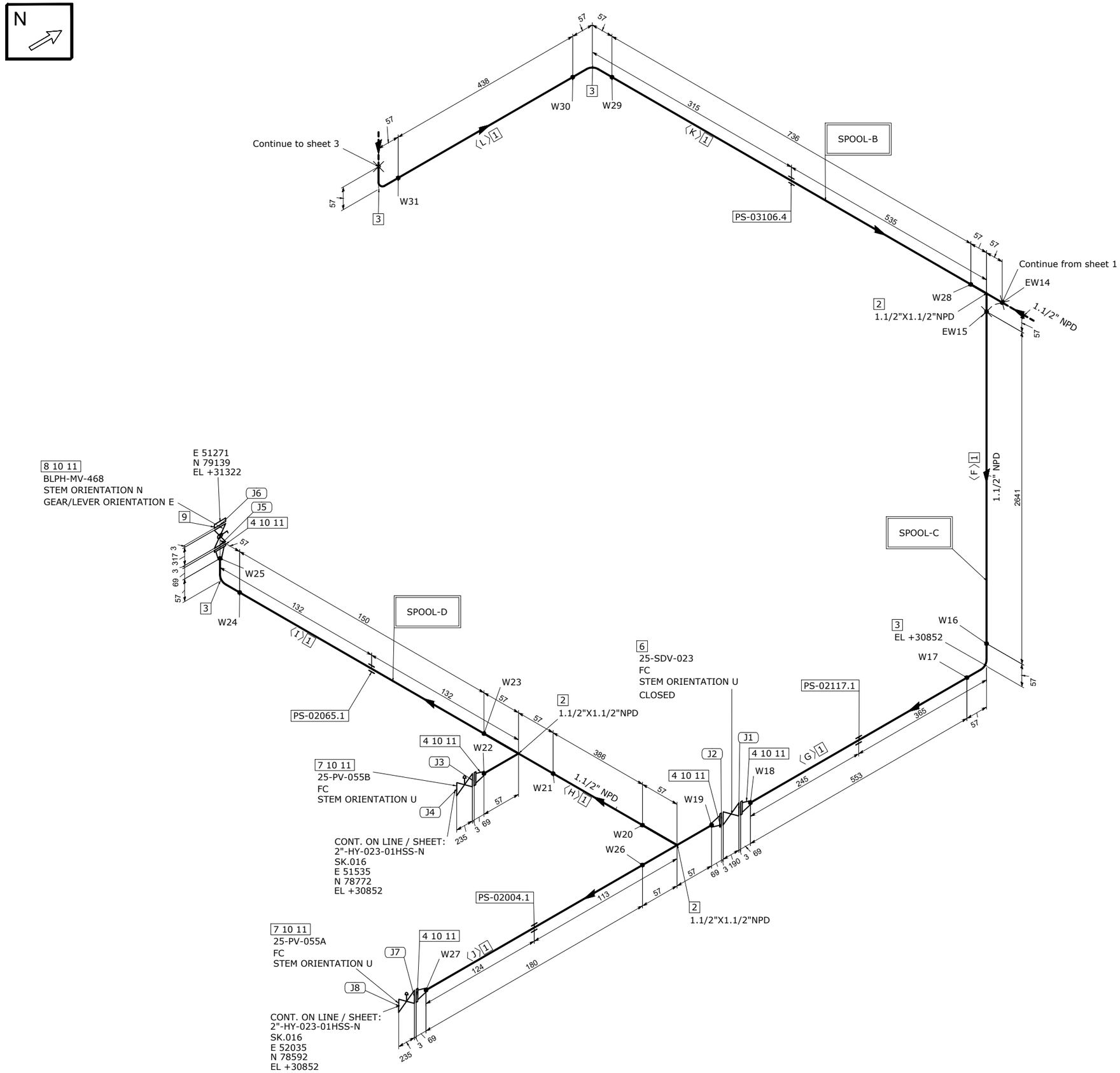


MATERIAL LIST

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	5.1M	20.9
2	1.1/2X1.1/2	TEE0SS00561H00	Tee ASME B16.9 BW 3,68 WRS ASTM A403 Gr.WP316/316L	3	2.5
3	1.1/2	E90RSS00681H00	90 Deg Elbow Long Radius ASME B16.9 BW 3,68 WRS ASTM A403 Gr.WP316/316L	4	1.5
4	1.1/2	FLW0SS03481H00	Flange WN ASME B16.5 300LB RF 3,68 FRG ASTM A182 Gr.F316/316L	5	16.3

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
6	1.1/2		ON/OFF Ball Actuator Valve - 300#RF Flanged	1	54.0
7	1.1/2		Control Valve - FLG 300 #RF	2	96.0
8	1.1/2	VLBBNN07201H00	Double Block & Bleed Valve API 6D FLG 300LB RF DA03C01RFH	1	40.0
9	1.1/2	FLB0SS01961H00	Flange Blind ASME B16.5 300LB RF FRG ASTM A182 Gr.F316/316L	1	3.3
10	1.1/2	GSW0GK11221H00	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 300LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	8	0.9
11	3/4	SB20BO23540400	95 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	32	12.5

FABRICATION WEIGHT [kg]	41.2
ERECTION WEIGHT [kg]	206.7
OVERALL WEIGHT [kg]	247.9

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
EW14	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
W22	1.1/2	BW
W23	1.1/2	BW
W24	1.1/2	BW
W25	1.1/2	BW
W26	1.1/2	BW
W27	1.1/2	BW
W28	1.1/2	BW
W29	1.1/2	BW
W30	1.1/2	BW
W31	1.1/2	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
F	1.1/2	2641	BEVEL	BEVEL
G	1.1/2	553	BEVEL	BEVEL
H	1.1/2	386	BEVEL	BEVEL
I	1.1/2	150	BEVEL	BEVEL
J	1.1/2	180	BEVEL	BEVEL
K	1.1/2	736	BEVEL	BEVEL
L	1.1/2	438	BEVEL	BEVEL

SUPPORT LIST

PS-03106.4
PS-02117.1
PS-02065.1
PS-02004.1

SPOOL	WELD [inches]	WEIGHT [kg]
B	6	6.4
C	4.5	16.7
D	13.5	18.0
MONT	3	206.7

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. 1-1/2"-HY-148-03HSS-N

SK.061

LINE DATA

NDT INSPECTION CATEGORY	1		PED CATEGORY	II			
PAINTING	SYSTEM 6A	BASE RAL RAL 9002	FLUID PHASE	GAS			
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS. 40	[barg]	TEMP. -29 / 80	[°C]
HEAT TRACING	--		TEST	PRESS. 60	[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-00061
SHEET / OF	2/3	REV.	01