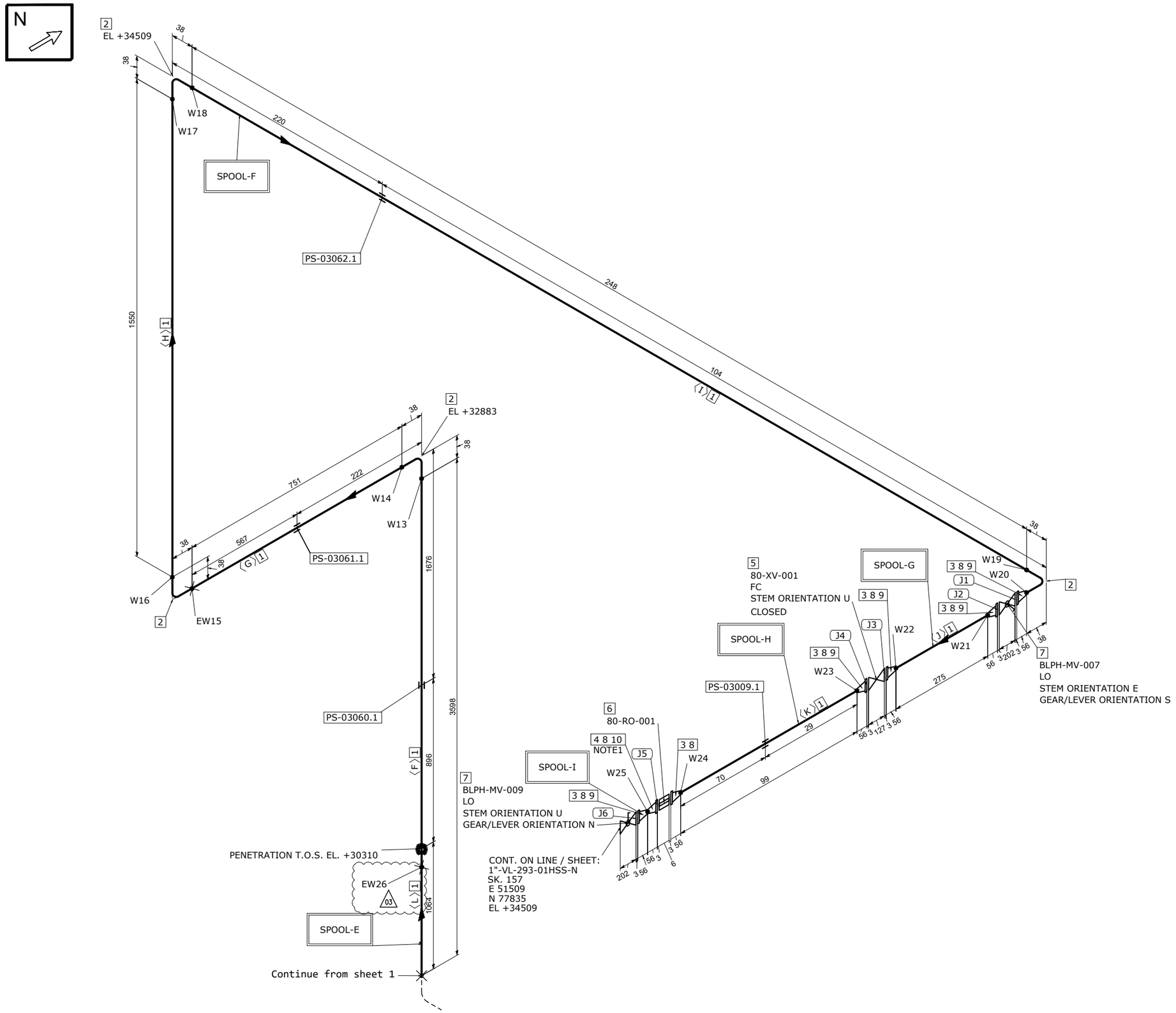


MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	1	PIPESS00480100	Pipe ASME B36.19M PE 3,38 SML ASTM A312 Gr.TP316/316L	6.5M	16.6
2	1	E90RSS00670100	90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	4	0.6
3	1	FLW0SS00930100	Flange WN ASME B16.5 150LB RF 3,38 FRG ASTM A182 Gr.F316/316L	6	8.5
4	1	FLWDSS00760100	Flange WN For Jackscrews ASME B16.5 150LB RF 3,38 FRG ASTM A182 Gr.F316/316L	1	1.4

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
5	1		ON/OFF Ball Actuator Valve - 150#RF Flanged	1	40.0
6	1		Restriction Orifice 150#RF	1	1.0
7	1	VLBLNN01320100	Block & Bleed Valve API 6D FLG 150LB RF BS01C01RFHS	2	20.6
8	1	GSW0GK11100100	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	7	0.4
9	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	20	2.4
10	1/2	SB20BO00940200	75 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	4	0.5

FABRICATION WEIGHT [kg]	27.1
ERECTION WEIGHT [kg]	64.9
OVERALL WEIGHT [kg]	92.0

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W13	1	BW
W14	1	BW
EW15	1	BW
W16	1	BW
W17	1	BW
W18	1	BW
W19	1	BW
W20	1	BW
W21	1	BW
W22	1	BW
W23	1	BW
W24	1	BW
W25	1	BW
EW26	1	BW
	03	

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
F	1	03 2598	BEVEL	BEVEL
G	1	751	BEVEL	BEVEL
H	1	1550	BEVEL	BEVEL
I	1	248	BEVEL	BEVEL
J	1	275	BEVEL	BEVEL
K	1	99	BEVEL	BEVEL
L	1	1000	BEVEL	BEVEL
		03		

SUPPORT LIST

PS-03060.1
PS-03061.1
PS-03062.1
PS-03009.1

SPOOL	WELD [inches]	WEIGHT [kg]
E	2	11.2
F	5	6.4
G	2	3.5
H	2	3.1
I	1	2.8
MONT	03 2	64.9

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	12-02-2025	STAFF SRL	RT	LM	REVISED WHERE INDICATED
02	17-09-2024	STAFF SRL	RT	LM	REVISED WHERE INDICATED
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"-HY-163-01HSS-N

SK.068

CONTRACT NO./ TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE: N/A
DRAWN: STAFF SRL | CHECKED: RT | APPROVED: LM | DATE: 12-02-2025
FORMAT: A3 | DRAWING NO.: 123A90-FDL-PP-DI-00068 | SHEET / OF: 2/2 | REV.: 03

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	--		TEST	PRESS. 15 [barg]	TEMP. AMB	MEDIUM Water		

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80012
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

1.JACKSCREWS POSITION E /W

MASTER