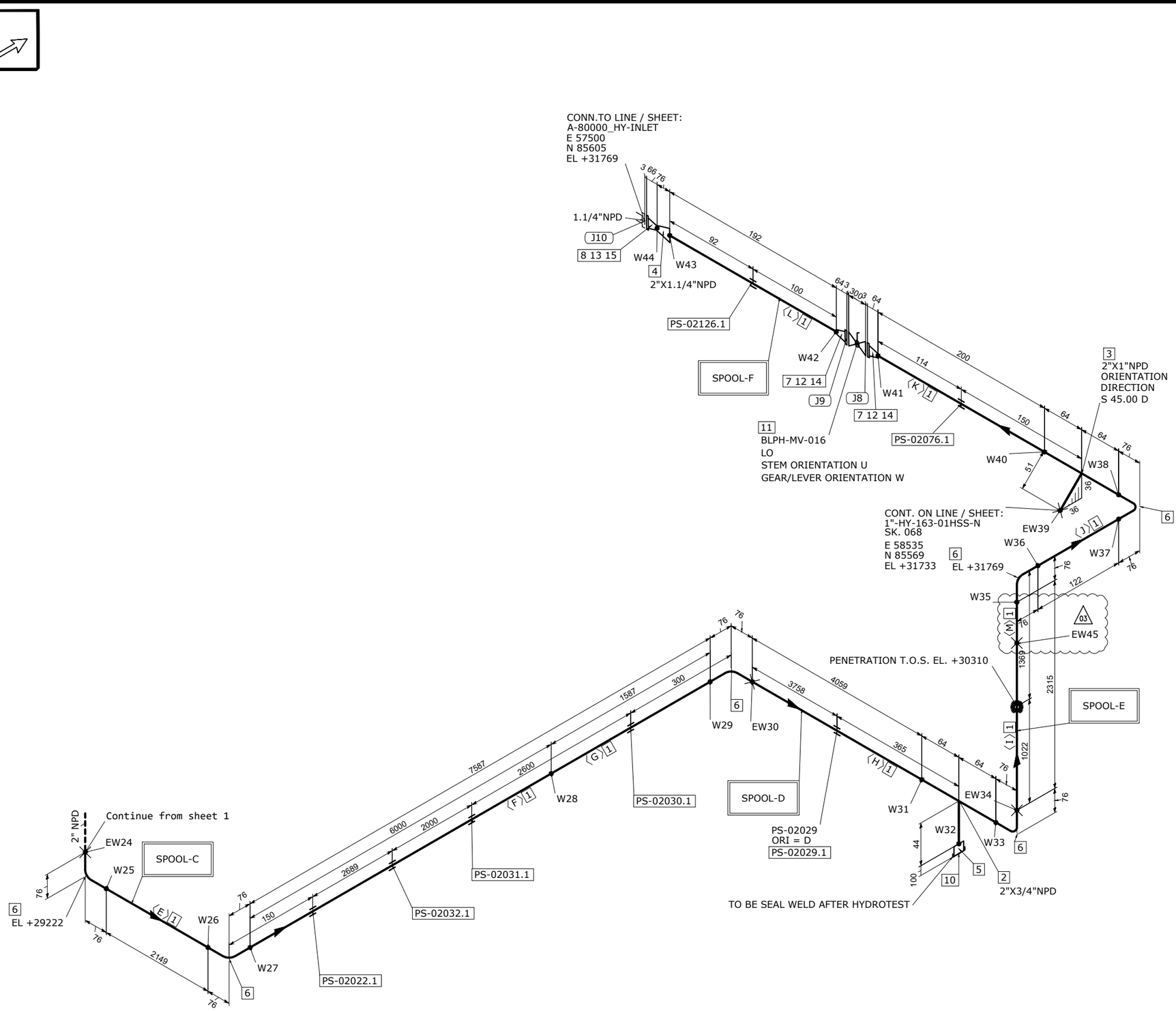


MATERIAL LIST

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	16.6M	66.3
2	2X3/4	TER0SS0318023Q	Tee Reducing ASME B16.9 BW 2,77x2,87 WRS ASTM A403 Gr.WP316/316L	1	0.9
3	2X1	TER0SS03230201	Tee Reducing ASME B16.9 BW 2,77x3,38 WRS ASTM A403 Gr.WP316/316L	1	1.0
4	2X1.1/4	REC0SS101002UQ	Reducer Concentric ASME B16.9 BW 2,77x2,77 WRS ASTM A403 Gr.WP316/316L	1	0.3
5	3/4	N100SS02653Q00	Nipple L=100mm ASME B36.19M THRD-M NPT x PE 2,87 SML ASTM A312 Gr.TP316/316L	1	0.2
6	2	E90RSS00010200	90 Deg Elbow Long Radius ASME B16.9 BW 2,77 WRS ASTM A403 Gr.WP316/316L	6	2.8
7	2	FLW0SS00010200	Flange WN ASME B16.5 150LB RF 2,77 FRG ASTM A182 Gr.F316/316L	2	5.5
8	1.1/4	FLW0SS0765UQ00	Flange WN ASME B16.5 300LB RF 2,77 FRG ASTM A182 Gr.F316/316L	1	2.3

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
10	3/4	CAPFSS00023Q00	Cap Forged ASME B16.11 THRD-F NPT 3000# FRG ASTM A182 Gr.F316/316L	1	0.2
11	2	VLBLNN01430200	Block & Bleed Valve API 6D FLG 150LB RF BA01C01RFHS	1	31.5
12	2	GSW0GK11130200	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.2
13	1.1/4	GSW0GK1130UQ00	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 300LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	1	0.1
14	5/8	SB20BO00660300	85 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	1.9
15	5/8	SB20BO04190300	90 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	4	1.0

FABRICATION WEIGHT [kg]	79.3
ERECTION WEIGHT [kg]	34.9
OVERALL WEIGHT [kg]	114.3

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
EW24	2	BW
W25	2	BW
W26	2	BW
W27	2	BW
W28	2	BW
W29	2	BW
EW30	2	BW
W31	2	BW
W32	3/4	BW
W33	2	BW
EW34	2	BW
W35	2	BW
W36	2	BW
W37	2	BW
W38	2	BW
EW39	1	BW
W40	2	BW
W41	2	BW
W42	2	BW
W43	2	BW
W44	1.1/4	BW
EW45	2	BW
	03	

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
E	2	2149	BEVEL	BEVEL
F	2	6000	BEVEL	BEVEL
G	2	1587	BEVEL	BEVEL
H	2	4059	BEVEL	BEVEL
I	2	2175 03	BEVEL	BEVEL
J	2	122	BEVEL	BEVEL
K	2	200	BEVEL	BEVEL
L	2	192	BEVEL	BEVEL
M	2	220	BEVEL	BEVEL
		03		

SUPPORT LIST

PS-02022.1
PS-02032.1
PS-02031.1
PS-02030.1
PS-02029.1
PS-02076.1
PS-02126.1

SPOOL	WELD [inches]	WEIGHT [kg]
C	10	40.3
D	4.75	17.7
E	12	15.2
F	5.25	3.8
MONT	03 9	34.9

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. 2"-HY-023-01HSS-N

SK.016

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-00016
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	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