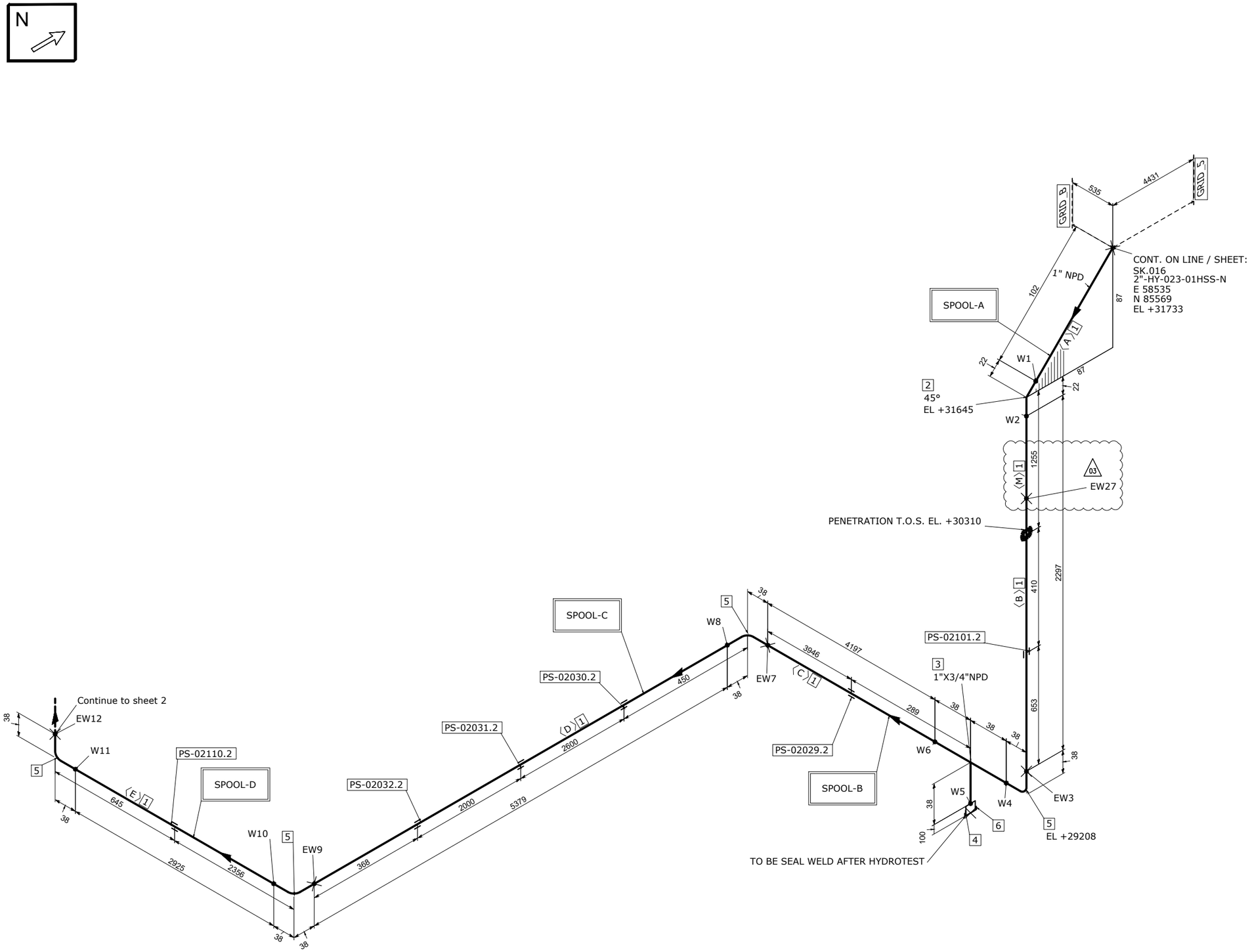


MATERIAL LIST

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	14.9M	37.8
2	1	E45RSS00860100	45 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	1	0.1
3	1X3/4	TER0SS0171013Q	Tee Reducing ASME B16.9 BW 3,38x2,87 WRS ASTM A403 Gr.WP316/316L	1	0.3
4	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
5	1	E90RSS00670100	90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	4	0.6

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
6	3/4	CAPFSS00023Q00	Cap Forged ASME B16.11 THRD-F NPT 3000# FRG ASTM A182 Gr.F316/316L	1	0.2

FABRICATION WEIGHT [kg]	39
ERECTION WEIGHT [kg]	0.2
OVERALL WEIGHT [kg]	4.1

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	1	BW
W2	1	BW
EW3	1	BW
W4	1	BW
W5	3/4	BW
W6	1	BW
EW7	1	BW
W8	1	BW
EW9	1	BW
W10	1	BW
W11	1	BW
EW12	1	BW
EW27	1	BW
	03	

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	1	102	BEVEL	BEVEL
B	1	2157	BEVEL	BEVEL
C	1	4197	BEVEL	BEVEL
D	1	5380	BEVEL	BEVEL
E	1	2925	BEVEL	BEVEL
M	1	220	BEVEL	BEVEL
		03		

SUPPORT LIST

PS-02101.2
PS-02029.2
PS-02030.2
PS-02031.2
PS-02032.2
PS-02110.2

SPOOL	WELD [inches]	WEIGHT [kg]
A	2	6.2
B	2.75	11.3
C	1	13.8
D	2	7.7
MONT	03 5	0.2

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

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

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	12-02-2025
FORMAT	A3
DRAWING NO.	123A90-FDL-PP-DI-00068
SHEET / OF	1/2
REV.	03