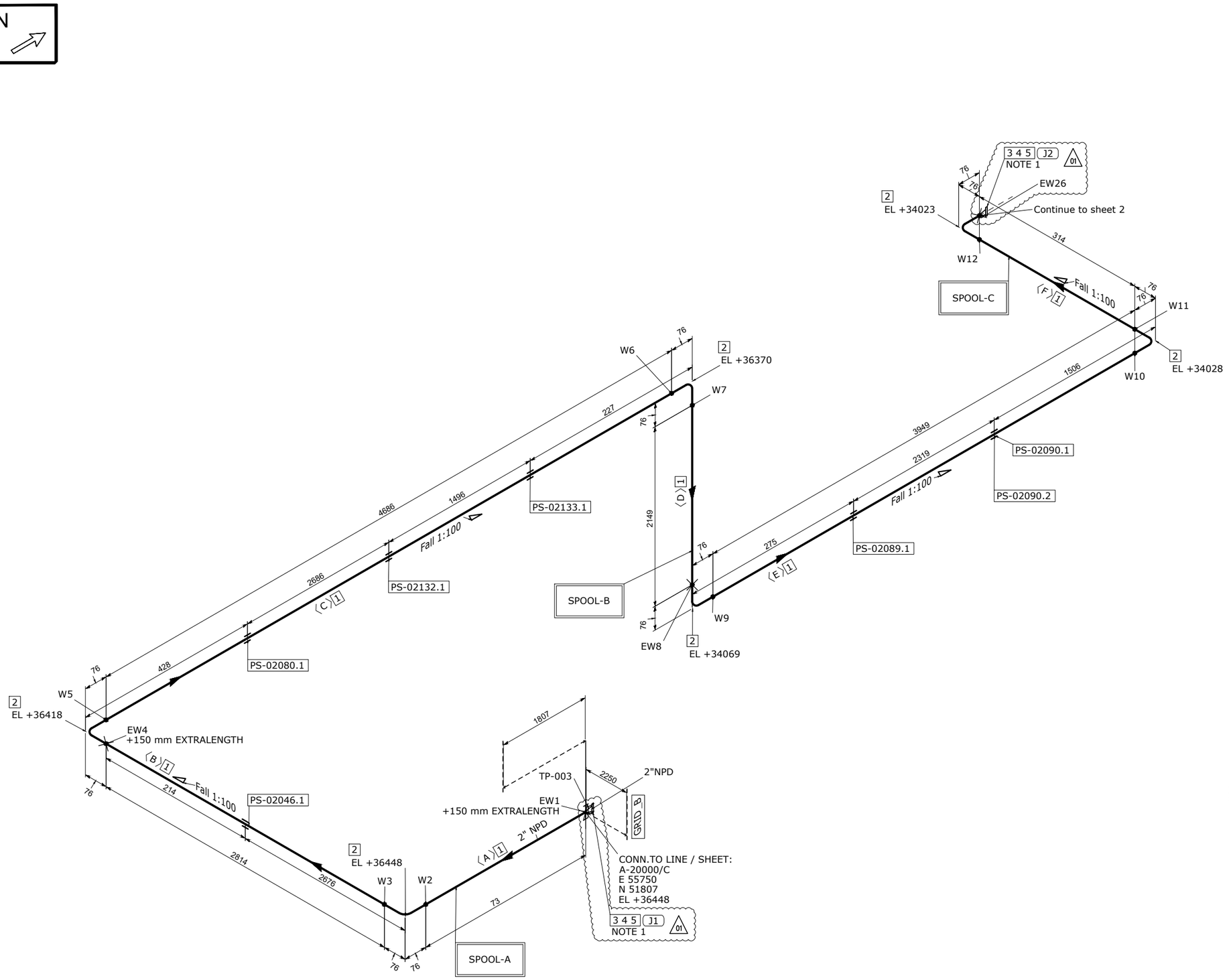


MATERIAL LIST

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	14.3M	57.0
2	2	E90RSS00010200	90 Deg Elbow Long Radius ASME B16.9 BW 2,77 WRS ASTM A403 Gr.WP316/316L	6	2.8

ERECTION

	POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
01	3	2	FLW0SS00010200	Flange WN ASME B16.5 150LB RF 2,77 FRG ASTM A182 Gr.F316/316L	2	5.5
01	4	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
	5	5/8	SB20BO00660300	85 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	2.0

FABRICATION WEIGHT [kg]	59.8
ERECTION WEIGHT [kg]	7.7
OVERALL WEIGHT [kg]	67.5

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
EW1	2	SW
W2	2	BW
W3	2	BW
EW4	2	BW
W5	2	BW
W6	2	BW
W7	2	BW
EW8	2	BW
W9	2	BW
W10	2	BW
W11	2	BW
W12	2	BW
01 EW26	2	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	2	223	SQ.CUT	BEVEL
B	2	2964	BEVEL	SQ.CUT
C	2	4686	BEVEL	BEVEL
D	2	2149	BEVEL	BEVEL
E	2	3949	BEVEL	BEVEL
F	2	314	BEVEL	BEVEL

SUPPORT LIST

PS-02046.1
PS-02080.1
PS-02132.1
PS-02133.1
PS-02089.1
PS-02090.2
PS-02090.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	4	13.2
B	6	28.2
C	8	18.4
01 MONT	8	7.7

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04-12-2024	STAFF SRL	RT	LM	REVISED WHERE INDICATED
00	03-09-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE: SHOP DRAWING ISOMETRIC
LINE NR. 2"-VL-003-01HSS-N

SK.002

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-00002 | SHEET / OF: 1/2 | REV.: 01

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. 3.5 [barg]	TEMP. -29 / 100 [°C]		
HEAT TRACING	N/A		TEST	PRESS. 5.25 [barg]	TEMP. AMB	MEDIUM Water	

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80011
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) TEMPORARY FLANGE FOR HYDROTEST, TO BE CUT AFTER TEST 01

MASTER