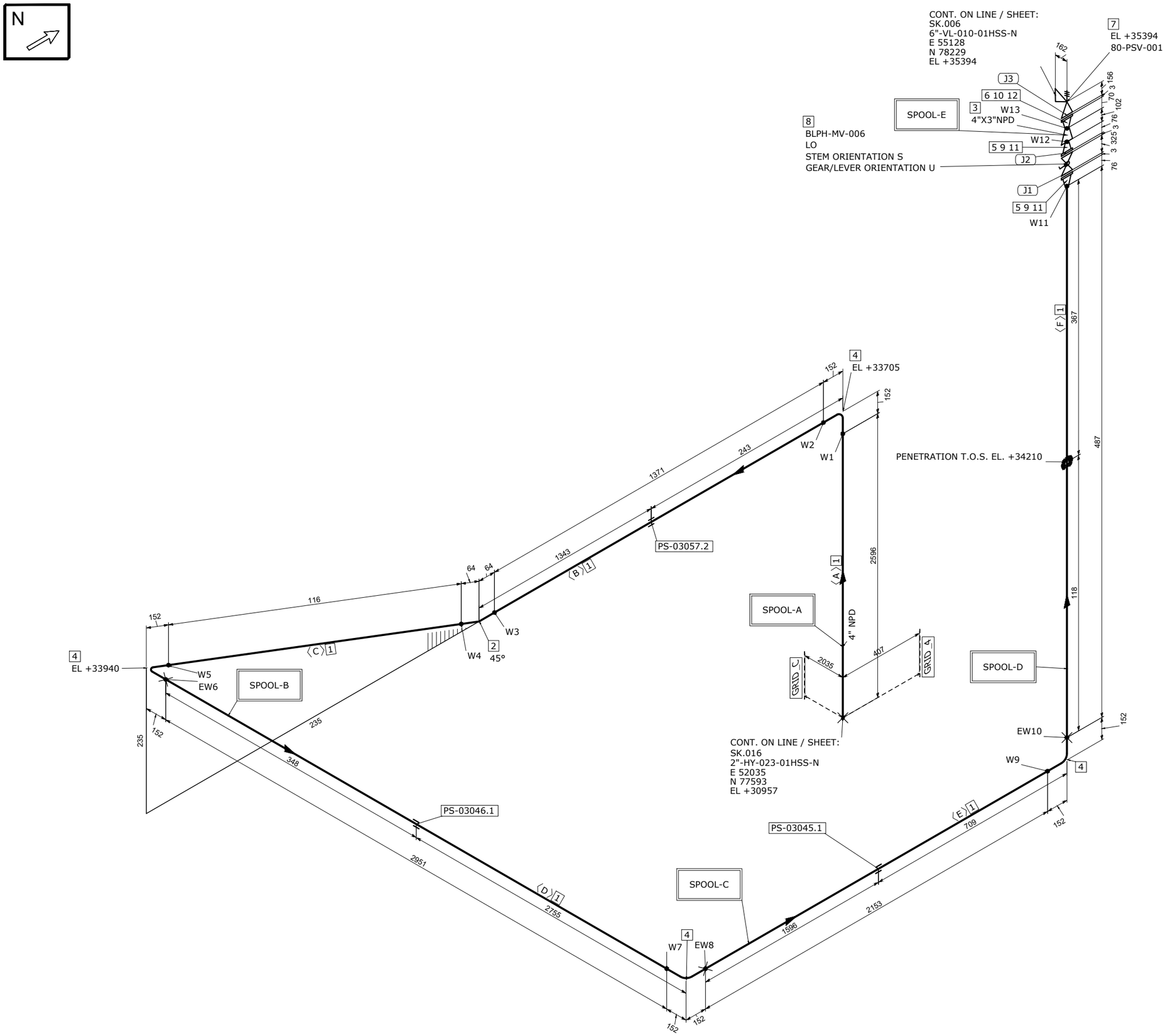


MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	4	PIPESS00560400	Pipe ASME B36.19M PE 3,05 SML ASTM A312 Gr.TP316/316L	9.7M	82.1
2	4	E45RSS00760400	45 Deg Elbow Long Radius ASME B16.9 BW 3,05 WRS ASTM A403 Gr.WP316/316L	1	1.0
3	4X3	REC0SS00200403	Reducer Concentric ASME B16.9 BW 3,05x3,05 WRS ASTM A403 Gr.WP316/316L	1	0.8
4	4	E90RSS01020400	90 Deg Elbow Long Radius ASME B16.9 BW 3,05 WRS ASTM A403 Gr.WP316/316L	4	8.0
5	4	FLW0SS00880400	Flange WN ASME B16.5 150LB RF 3,05 FRG ASTM A182 Gr.F316/316L	2	13.8
6	3	FLW0SS00870300	Flange WN ASME B16.5 150LB RF 3,05 FRG ASTM A182 Gr.F316/316L	1	4.6

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
7	4X3		Pressure Safety Valve flanged 150LB RF/150LB RF	1	52.0
8	4	VLBLNN01450400	Block & Bleed Valve API 6D FLG 150LB RF BA01C01RFHS	1	80.0
9	4	GSW0GK11150400	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.5
10	3	GSW0GK11140300	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	1	0.2
11	5/8	SB20BO04190300	90 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	16	4.0
12	5/8	SB20BO32470300	120 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	4	1.2

FABRICATION WEIGHT [kg]	110.3
ERECTION WEIGHT [kg]	137.9
OVERALL WEIGHT [kg]	248.2

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	4	BW
W2	4	BW
W3	4	BW
W4	4	BW
W5	4	BW
EW6	4	BW
W7	4	BW
EW8	4	BW
W9	4	BW
EW10	4	BW
W11	4	BW
W12	4	BW
W13	3	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	4	2597	BEVEL	BEVEL
B	4	1371	BEVEL	BEVEL
C	4	116	BEVEL	BEVEL
D	4	2951	BEVEL	BEVEL
E	4	2153	BEVEL	BEVEL
F	4	487	BEVEL	BEVEL

SUPPORT LIST

PS-03057.2
PS-03046.1
PS-03045.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	20	39.7
B	4	27.1
C	4	20.3
D	4	11.0
E	7	12.3
MONT	12	137.9

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. 4"-HY-152-01HSS-N
SK.063

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-00063 | SHEET / OF: 1/1 | REV.: 01

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. 10	01	[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