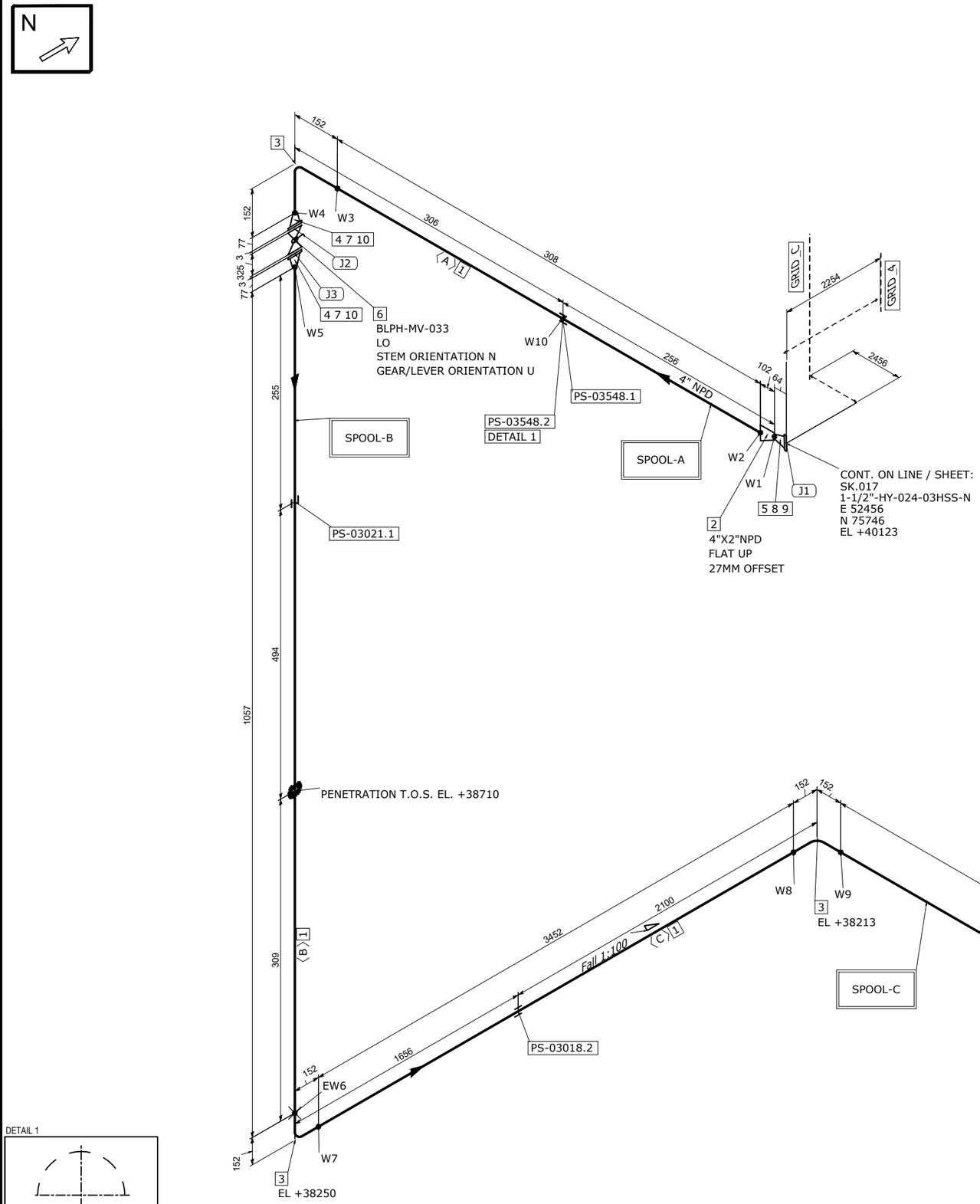


MATERIAL LIST

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	5.0M	42.7
2	4X2	REE0SS02470402	Reducer Eccentric ASME B16.9 BW 3,05x2,77 WRS ASTM A403 Gr.WP316/316L	1	0.8
3	4	E90RSS01020400	90 Deg Elbow Long Radius ASME B16.9 BW 3,05 WRS ASTM A403 Gr.WP316/316L	3	6.0
4	4	FLW0SS00880400	Flange WN ASME B16.5 150LB RF 3,05 FRG ASTM A182 Gr.F316/316L	2	13.8
5	2	FLW0SS00010200	Flange WN ASME B16.5 150LB RF 2,77 FRG ASTM A182 Gr.F316/316L	1	2.7

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
6	4	VLBLNN01450400	Block & Bleed Valve API 6D FLG 150LB RF BA01C01RFHS	1	80.0
7	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
8	2	GSW0GK11130200	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	1	0.1
9	5/8	SB20BO00660300	85 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	4	1.0
10	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

FABRICATION WEIGHT [kg]	66.0
ERECTION WEIGHT [kg]	85.6
OVERALL WEIGHT [kg]	151.6

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	2	BW
W2	4	BW
W3	4	BW
W4	4	BW
W5	4	BW
EW6	4	BW
W7	4	BW
W8	4	BW
W9	4	BW
W10		FW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	4	308	BEVEL	BEVEL
B	4	1057	BEVEL	BEVEL
C	4	3452	BEVEL	BEVEL
D	4	205	BEVEL	BEVEL

SUPPORT LIST

PS-03548.1
PS-03548.2
PS-03021.1
PS-03018.2

SPOOL	WELD [inches]	WEIGHT [kg]
A	14	15.1
B	4	15.9
C	12	35.1
MONT	4	85.6

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	03-09-2024	STAFF SRL	RT	LM	REVISED WHERE INDICATED
00	20-08-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 4"-VL-025-01HSS-N

SK.018

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-00018 | 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. 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-80015
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