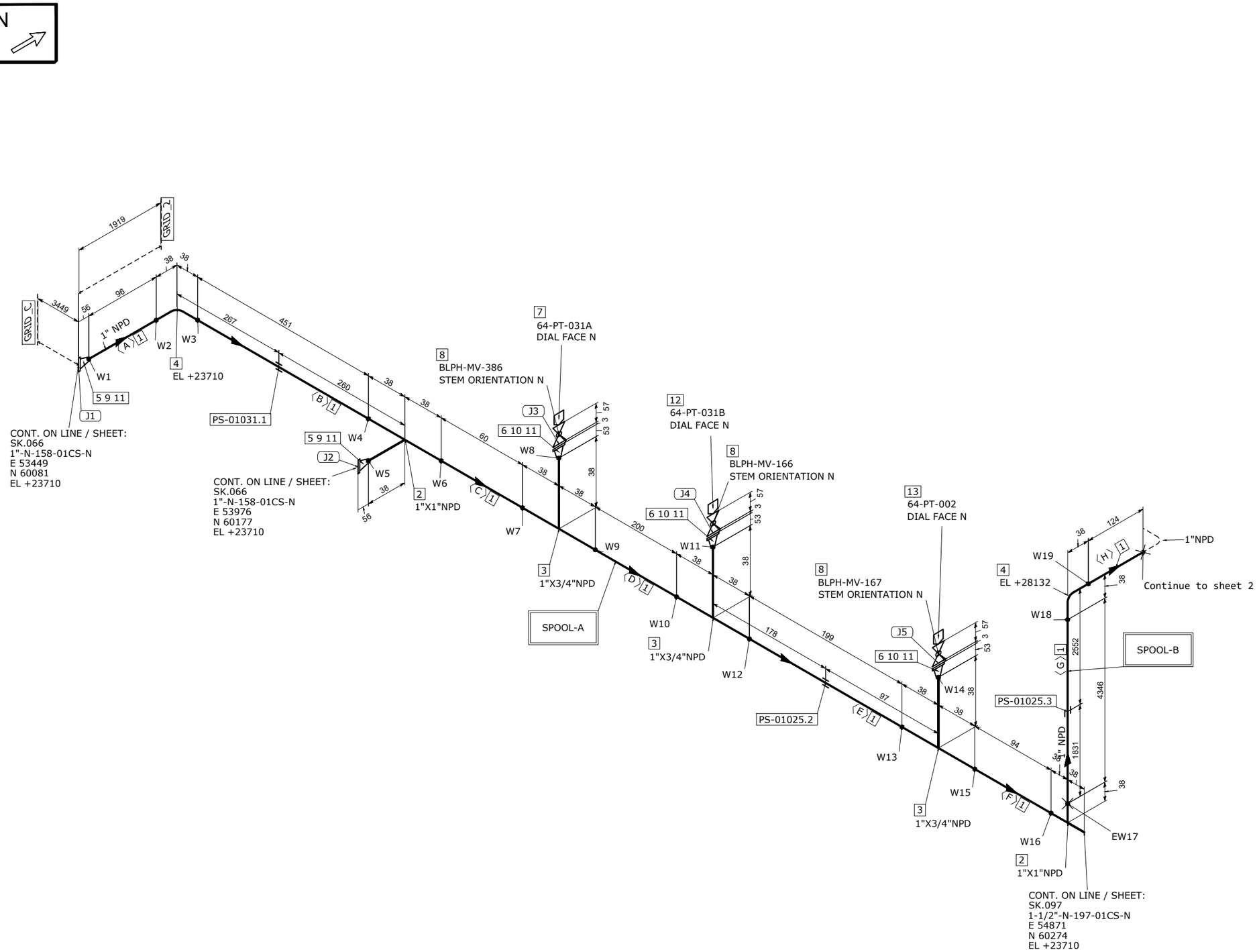



## MATERIAL LIST

FABRICATION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 1 | 1 | PIPECS08300100 | Pipe ASME B36.10M PE 4,55 SML ASTM/ASME A/SA333 Gr.6 | 5.6M | 18.0 |
| 2 | 1X1 | TEE0CS01110100 | Tee ASME B16.9 BW 4,55 WRS ASTM/ASME A/SA420 Gr.WPL6 | 2 | 0.9 |
| 3 | 1X3/4 | TER0CS2607013Q | Tee Reducing ASME B16.9 BW 4,55x3,91 WRS ASTM/ASME A/SA420 Gr.WPL6 | 3 | 1.4 |
| 4 | 1 | E90RCS01780100 | 90 Deg Elbow Long Radius ASME B16.9 BW 4,55 WRS ASTM/ASME A/SA420 Gr.WPL6 | 2 | 0.4 |
| 5 | 1 | FLW0CS16540100 | Flange WN ASME B16.5 150LB RF 4,55 FRG ASTM/ASME A/SA350 Gr.LF2 | 2 | 2.8 |
| 6 | 3/4 | FLW0CS16523Q00 | Flange WN ASME B16.5 150LB RF 3,91 FRG ASTM/ASME A/SA350 Gr.LF2 | 3 | 2.7 |

ERECTION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 7 | 1/2 | | Pressure Transmitter - Online | 1 | 0.0 |
| 8 | 3/4X1/2 | VLBNNN00063Q0H | Monoflange Block & Bleed Valve API 6D FLG x THRD-F NPT 150LB RF MS01B02Y | 3 | 15.0 |
| 9 | 1 | GSW0GK11100100 | Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING | 2 | 0.1 |
| 10 | 3/4 | GSW0GK11093Q00 | Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING | 3 | 0.2 |
| 11 | 1/2 | SB20BO01080200 | 65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized | 20 | 2.4 |
| 12 | 1/2 | | Pressure Transmitter - Online | 1 | 0.0 |
| 13 | 1/2 | | Pressure Transmitter - Online | 1 | 0.0 |

| | |
|---|---|
| FABRICATION WEIGHT [kg] | 26.2 |
| ERECTION WEIGHT [kg] | 17.6 |
| OVERALL WEIGHT [kg] | 43.8 |

### WELD SUMMARY

| WELD No. | SIZE [inches] | TYPE |
|---|---|---|
| W1 | 1 | BW |
| W2 | 1 | BW |
| W3 | 1 | BW |
| W4 | 1 | BW |
| W5 | 1 | BW |
| W6 | 1 | BW |
| W7 | 1 | BW |
| W8 | 3/4 | BW |
| W9 | 1 | BW |
| W10 | 1 | BW |
| W11 | 3/4 | BW |
| W12 | 1 | BW |
| W13 | 1 | BW |
| W14 | 3/4 | BW |
| W15 | 1 | BW |
| W16 | 1 | BW |
| EW17 | 1 | BW |
| W18 | 1 | BW |
| W19 | 1 | BW |

### CUTTING LIST

| PIECE No. | SIZE [inches] | LENGTH [mm] | END PREP.1 | END PREP.2 |
|---|---|---|---|---|
| A | 1 | 96 | BEVEL | BEVEL |
| B | 1 | 451 | BEVEL | BEVEL |
| C | 1 | 60 | BEVEL | BEVEL |
| D | 1 | 200 | BEVEL | BEVEL |
| E | 1 | 199 | BEVEL | BEVEL |
| F | 1 | 94 | BEVEL | BEVEL |
| G | 1 | 4346 | BEVEL | BEVEL |
| H | 1 | 124 | BEVEL | BEVEL |

### SUPPORT LIST

PS-01031.1
PS-01025.2
PS-01025.3

| SPOOL | WELD [inches] | WEIGHT [kg] |
|---|---|---|
| A | 15.25 | 11.5 |
| B | 2 | 14.7 |
| MONT | 1 | 17.6 |

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 00 | 20-08-2024 | STAFF SRL | RT | LM | ISSUED FOR CONSTRUCTION |

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 1"-N-100-01CS-N

SK.034

CONTRACT NO./ TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE: N/A

DRAWN: STAFF SRL | CHECKED: RT | APPROVED: LM | DATE: 20-08-2024

FORMAT: A3 | DRAWING NO.: 123A90-FDL-PP-DI-00034 | SHEET / OF: 1/2 | REV.: 00

### LINE DATA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NDT INSPECTION CATEGORY | 2 | | PED CATEGORY | Art. 4, par. 3 | | | |
| PAINTING | SYSTEM 1 | BASE RAL RAL-9002 | FLUID PHASE | Gas | | | |
| INSULATION | TYPE N | THICKNESS [mm] | DESIGN | PRESS. 12 [barg] | TEMP. -46 / 100 [°C] | | |
| HEAT TRACING | N/A | | TEST | PRESS. 18 [barg] | TEMP. AMB | MEDIUM Water | |

### REFERENCE DOCUMENTS

| | |
|---|---|
| P&ID | 123A90-DDL-PR-PID-80027 |
| 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