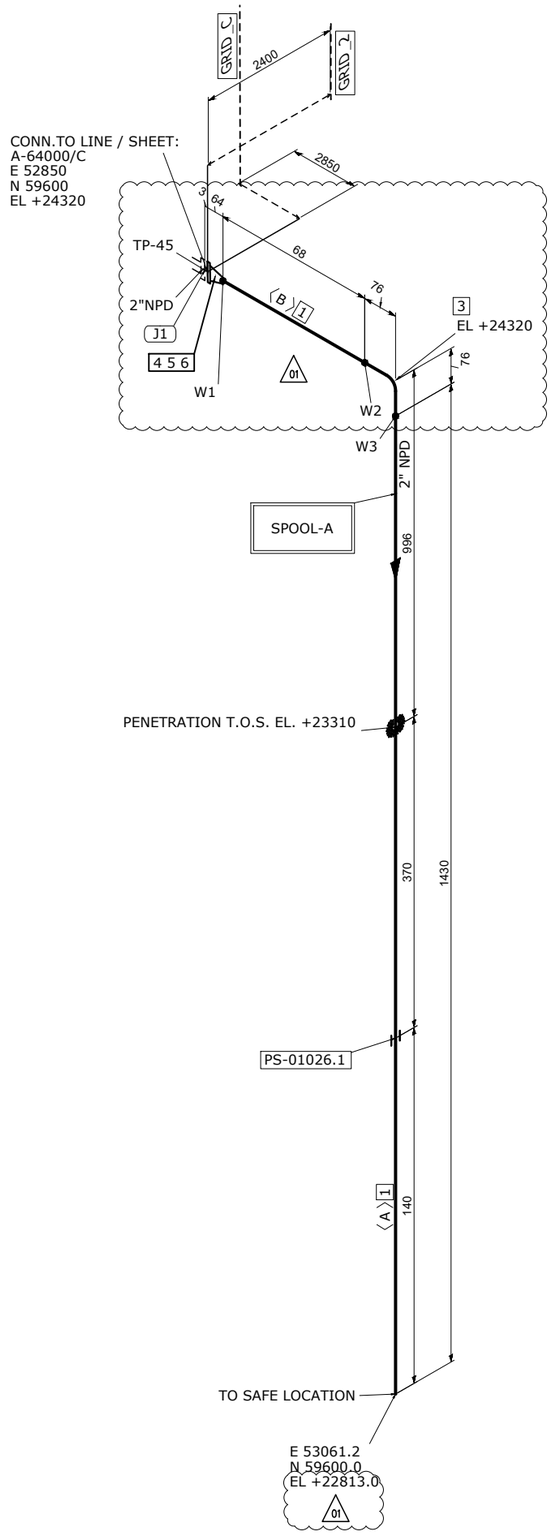



## MATERIAL LIST

FABRICATION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 1 | 2 | PIPECS02960200 | Pipe ASME B36.10M PE 5,54 SML ASTM/ASME A/SA333 Gr.6 | 1.5M | 11.2 |
| 3 | 2 | E90RCS01330200 | 90 Deg Elbow Long Radius ASME B16.9 BW 5,54 WRS ASTM/ASME A/SA420 Gr.WPL6 | 1 | 0.9 |
| 4 | 2 | FLW0CS02210200 | Flange WN ASME B16.5 150LB RF 5,54 FRG ASTM/ASME A/SA350 Gr.LF2 | 1 | 2.7 |

ERECTION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 5 | 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 |
| 6 | 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 |

| | |
|---|---|
| FABRICATION WEIGHT [kg] | 14.8 |
| ERECTION WEIGHT [kg] | 1.1 |
| OVERALL WEIGHT [kg] | 15.9 |

### WELD SUMMARY

| WELD No. | SIZE [inches] | TYPE |
|---|---|---|
| W1 | 2 | BW |
| W2 | 2 | BW |
| W3 | 2 | BW |

### CUTTING LIST

| PIECE No. | SIZE [inches] | LENGTH [mm] | END PREP.1 | END PREP.2 |
|---|---|---|---|---|
| A | 2 | 1431 | BEVEL | BEVEL |
| B | 2 | 68 | BEVEL | BEVEL |

### SUPPORT LIST

PS-01026.1

| SPOOL | WELD [inches] | WEIGHT [kg] |
|---|---|---|
| A | 6 | 14.8 |
| MONT | 0 | 1.1 |

### 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. 3.5 [barg] | TEMP. -46 / 100 [°C] | | |
| HEAT TRACING | N/A | | TEST | PRESS. N/A [barg] | TEMP. AMB | MEDIUM N/A | |

### 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

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 01 | 17-09-2024 | STAFF SRL | RT | LM | REVISED WHERE INDICATED |
| 00 | 27-08-2024 | STAFF SRL | RT | LM | ISSUED FOR CONSTRUCTION |

CROSSWIND

ROSETTI MARINO

TITLE: SHOP DRAWING ISOMETRIC
LINE NR. 2"-AV-224-01CS-N

SK.120

| | | | |
|---|---|---|---|
| CONTRACT NO./ TITLE | CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE | N/A |
| DRAWN STAFF SRL | CHECKED RT | APPROVED LM | DATE 17-09-2024 |
| FORMAT A3 | DRAWING NO. 123A90-FDL-PP-DI-00120 | SHEET / OF 1/1 | REV. 01 |