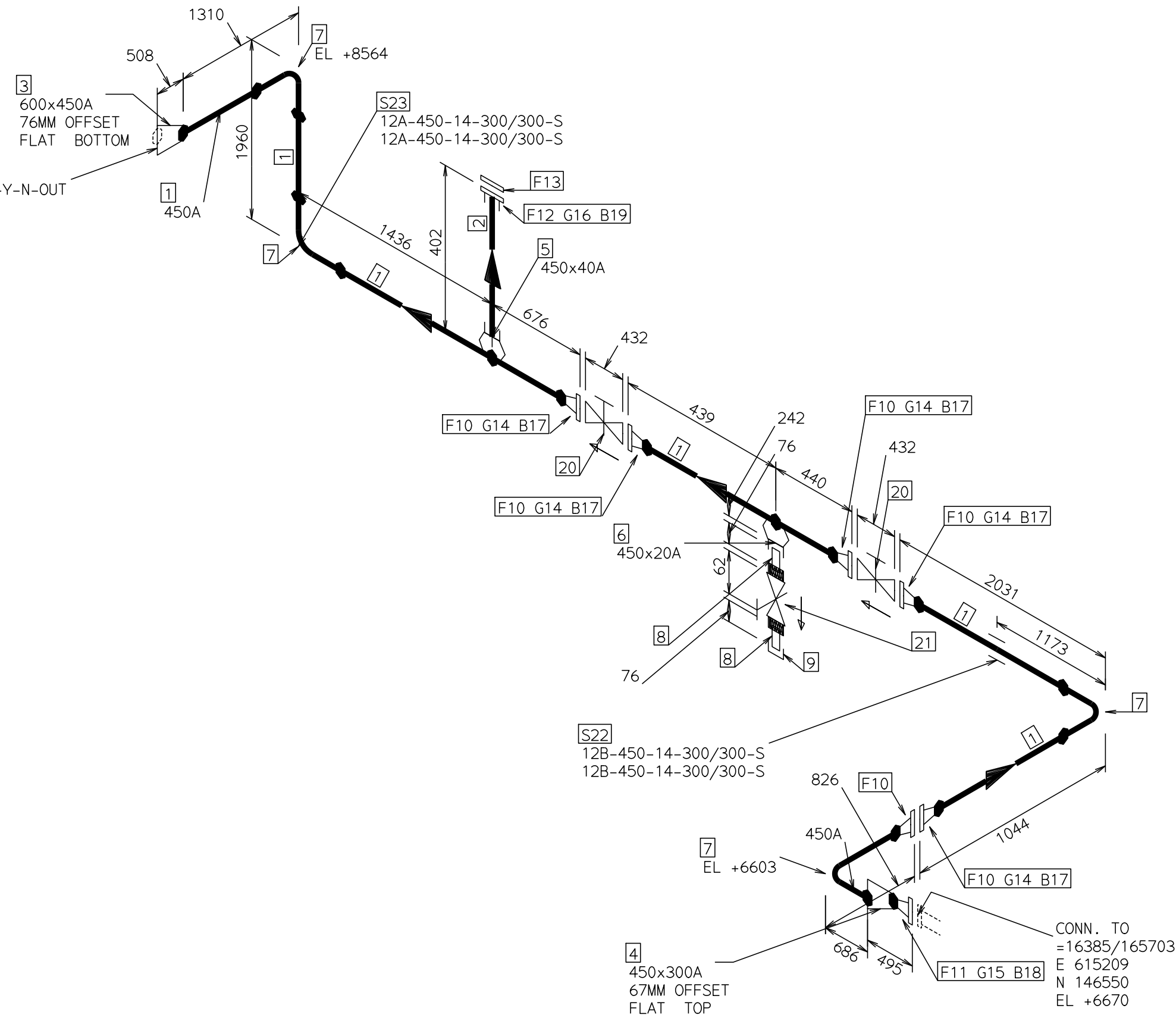


| FABRICATION MATERIALS | | | | |
|-----------------------|---------|-----------|------|-------------------------------------|
| NO | REMARKS | SIZE (MM) | QTY | DESCRIPTION |
| | | | | <u>PIPE</u> |
| 1 | | 450 | 4.6M | ANSI B36 10 PE SMLS PIPE STD |
| 2 | | 40 | 0.2M | ANSI B36 10 PE SMLS PIPE XS |
| | | | | <u>FITTINGS</u> |
| 3 | | 600 x 450 | 1 | REDU ECC ANSI B16.9 BW STD |
| 4 | | 450 x 300 | 1 | REDU ECC ANSI B16.9 BW STD |
| 5 | | 450 x 40 | 1 | BONNEY THREDOLET NPT #3000 |
| 6 | | 450 x 20 | 1 | BONNEY THREDOLET NPT #3000 |
| 7 | | 450 | 4 | ELBOW LR ANSI B16.9 BW |
| 8 | | 20 | 2 | NIPPLE TBE NPT 3" LONG XS |
| 9 | | 20 | 1 | CAP SCRD ANSI B16.11 #3000 |
| | | | | <u>FLANGES</u> |
| 10 | | 450 | 6 | FLANGE WN ANSI B16.5 #150.RF |
| 11 | | 300 | 1 | FLANGE WN ANSI B16.5 #150.RF |
| 12 | | 40 | 1 | FLANGE SCRD BOSS ANSI B16.5 #150.RF |

| ERECTION MATERIALS | | | | |
|------------------------|----------------------|-----------|-----|-------------------------------------|
| NO | REMARKS | SIZE (MM) | QTY | DESCRIPTION |
| FLANGES | | | | |
| 13 | | 40 | 1 | FLANGE BLIND ANSI B16.5 #150.RF |
| GASKETS | | | | |
| 14 | | 450 | 5 | GASKET ANSI B16.21 #150.RF |
| 15 | | 300 | 1 | GASKET ANSI B16.21 #150.RF |
| 16 | | 40 | 1 | GASKET ANSI B16.21 #150.RF |
| BOLTS | | | | |
| 17 | | 29 | 80 | 146 STUD BOLT CW HVY HEX NUTS |
| 18 | | 22 | 12 | 114 STUD BOLT CW HVY HEX NUTS |
| 19 | | 13 | 4 | 70 STUD BOLT CW HVY HEX NUTS |
| VALVES / IN-LINE ITEMS | | | | |
| 20 | | 450 | 2 | VALVE GATE ANSI B16.10 #150.RF |
| 21 | | 20 | 1 | VALVE GATE NPT #800 |
| SUPPORTS | | | | |
| 22 | 12B-450-14-300/300-S | 450 | 1 | PIPE SUPPORT TRUNNION SLIDE (PIPE) |
| 23 | 12A-450-14-300/300-S | 450 | 1 | PIPE SUPPORT TRUNNION SLIDE (ELBOW) |

CONT. ON
18"-PHE-B2-Y-N-OUT
E 615263
N 153625
EL +8640



TEMPORARY ISO DRAWING

| | | | | | | |
|-----|------|------|------|------|------|-------------|
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| | | | | | | |
| REV | DATE | DGND | CHKD | APRD | APRD | DESCRIPTION |

| | | |
|---|---------------------|----------------|
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| FOR | | |
| | | |
| TITLE PIPING ISOMETRIC DRAWING FOR | | |
| LINE_ID: | 18"-PHE-B2-Y-N-OUT2 | 1 OF 1 |
| AREA | 18"-PHE-B2-Y-N-OUT2 | |
| SCALE | NONE | JOB NO. AHH20E |
| PROJECT | DRAWING NO. | REVISION |
| CAP | CAP-XX-XX-DW-XXXX | |
| | 18"-PHE-B2-Y-N-OUT2 | |

WORK NO.