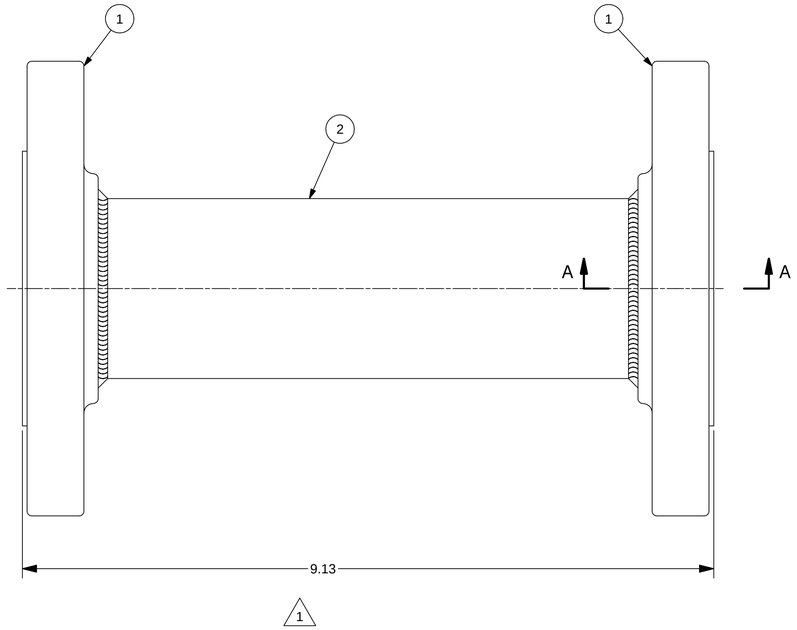


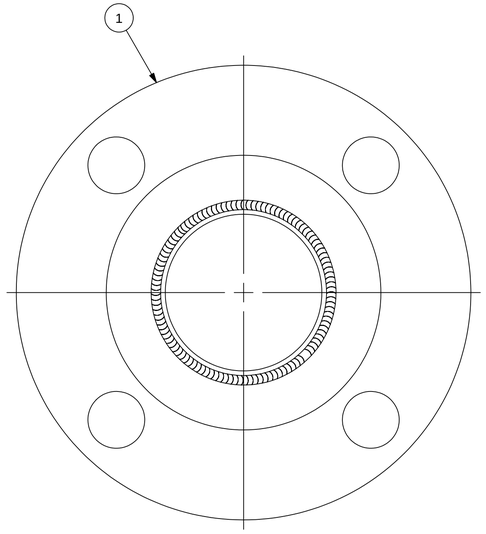


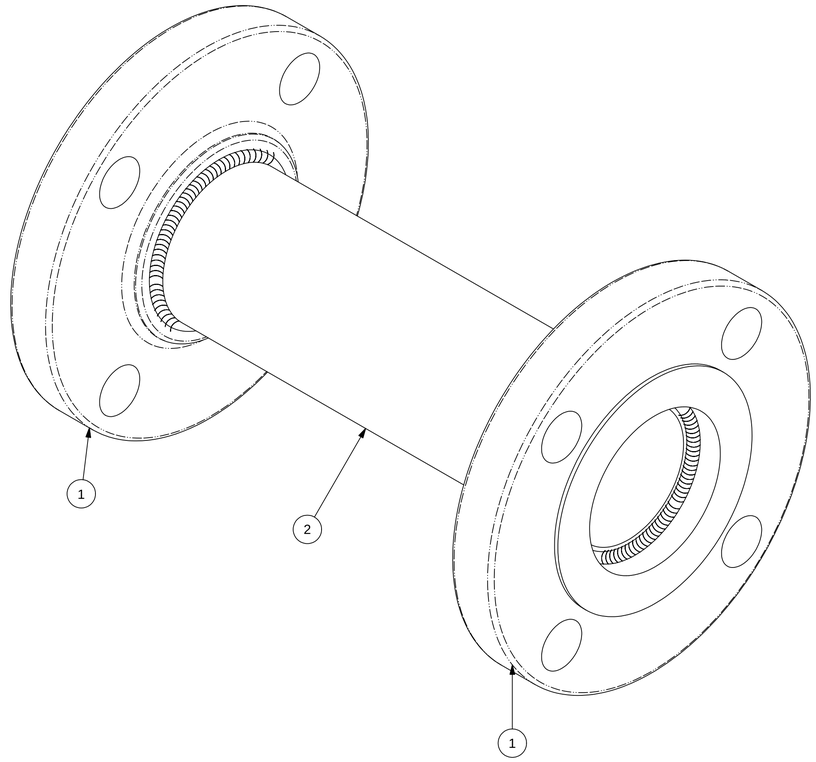


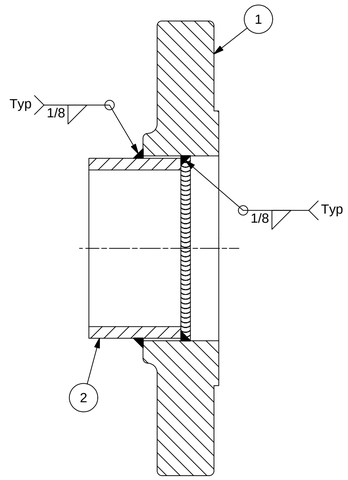


SECTION A-A

NOTES:
1. WELD CONNECTIONS: VISUALLY INSPECT ALL WELD CONNECTIONS.
2. WELDS ARE TO BE 1/16" LESS THAN THE MINIMUM THICKNESS OF MATERIAL WHERE NOT SPECIFICALLY CALLED OUT OR NOTED OTHERWISE. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE D1.1. ALSO ASME/ANSI B16 STANDARDS FOR PIPES & FITTINGS AND FOLLOW THE PROPER WPS POSTED IN WORK AREA.
3. ALL MATERIAL FOR CARBON STEEL TUBING SHALL BE ASTM A554, WELDED ASTM A249, SEAMLESS ASTM A269, PIPE ASTM A312 UNLESS OTHERWISE STATED.
4. DO NOT PAINT INTERNALLY OR EXTERNALLY THREADED PARTS OR PARTS WITH FINISHED SURFACES THAT HAVE BEEN MACHINED FOR TIGHT TOLERANCE FITUP.
5. PAINT FINISH:
   SEE GENERAL ARRANGEMENT DRAWING AND OR WORK ORDER FOR PAINT TYPE AND COLOR

| REV | DESCRIPTION | AUTHOR | DATE | CHECKED B | QA/QC |
|---|---|---|---|---|---|
| 1 | CHG 7.94 TO 8.13 | S. Boerckel | 2/16/2011 | T. KOONTZ | B. MADDUX |
| 0 | ISSUED FOR FABRICATION | S. Boerckel | 1/25/2011 | T. KOONTZ | B. MADDUX |

REVISION HISTORY

| ITEM | QTY | PART NUMBER | DESCRIPTION | MATERIAL | THICKNESS | LENGTH | WIDTH |
|---|---|---|---|---|---|---|---|
| 2 | 1 | | PIPE | 2" - Sch40 CS PIPE SEAMLESS | | 8.13 in | |
| 1 | 2 | | 2" x 150# SLIP-ON FLANGE | SLIP-ON FLANGE CS | | | |

BILL OF MATERIAL

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON DECIMALS
X.X ± 0.10
X.XX ± 0.06
X.XXX ± 0.03
HOLE DIA ± 0.03
ANGLES ± 0.50'
SURFACE HFS-SF
SQUARENESS ± 0.06

DO NOT SCALE DRAWING

| | | |
|---|---|---|
| DRAWN | S. Boerckel | 1/25/2011 |
| CHECKED | T. KOONTZ | 2/3/2011 |
| QA | B. MADDUX | 2/3/2011 |
| REVIEWER | | |
| PROJECT NO | 409-2956-1 | |
| CUSTOMER | EDC - MARGARITA ISLAND | |
| JOB NO | | |

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FAX: 1-660-829-1160

TITLE
RECIRCULATION SPOOL WELDMENT
LIQUID FUEL FORWARDING SKID - 7EA

| SIZE | ML: | DWG NO | REV |
|---|---|---|---|
| D | | 409-2956-LFF7EA-0751-1 | 1 |

SCALE: 1"=1" WEIGHT: 12 lbmass SHEET 1

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Feb 16, 2011