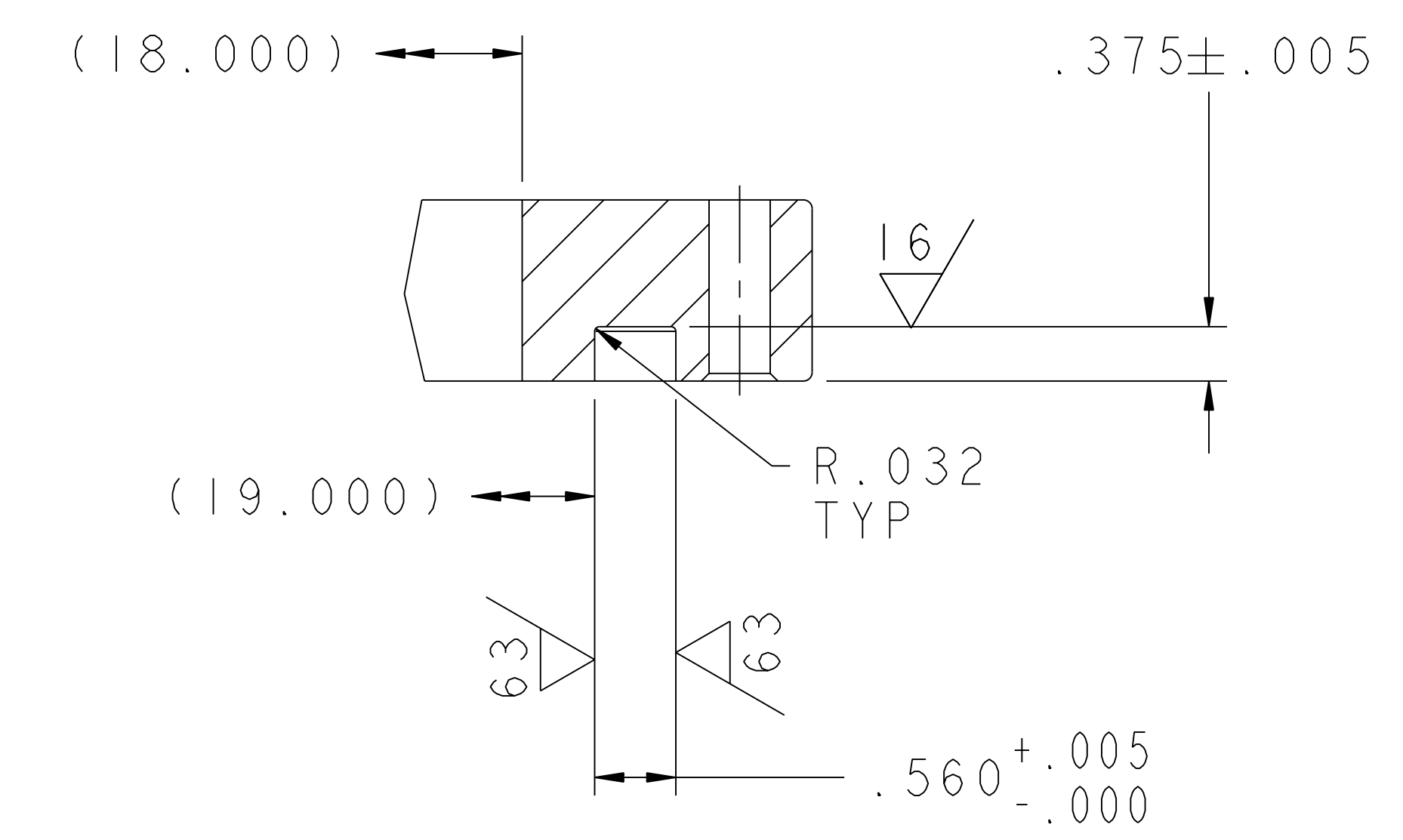
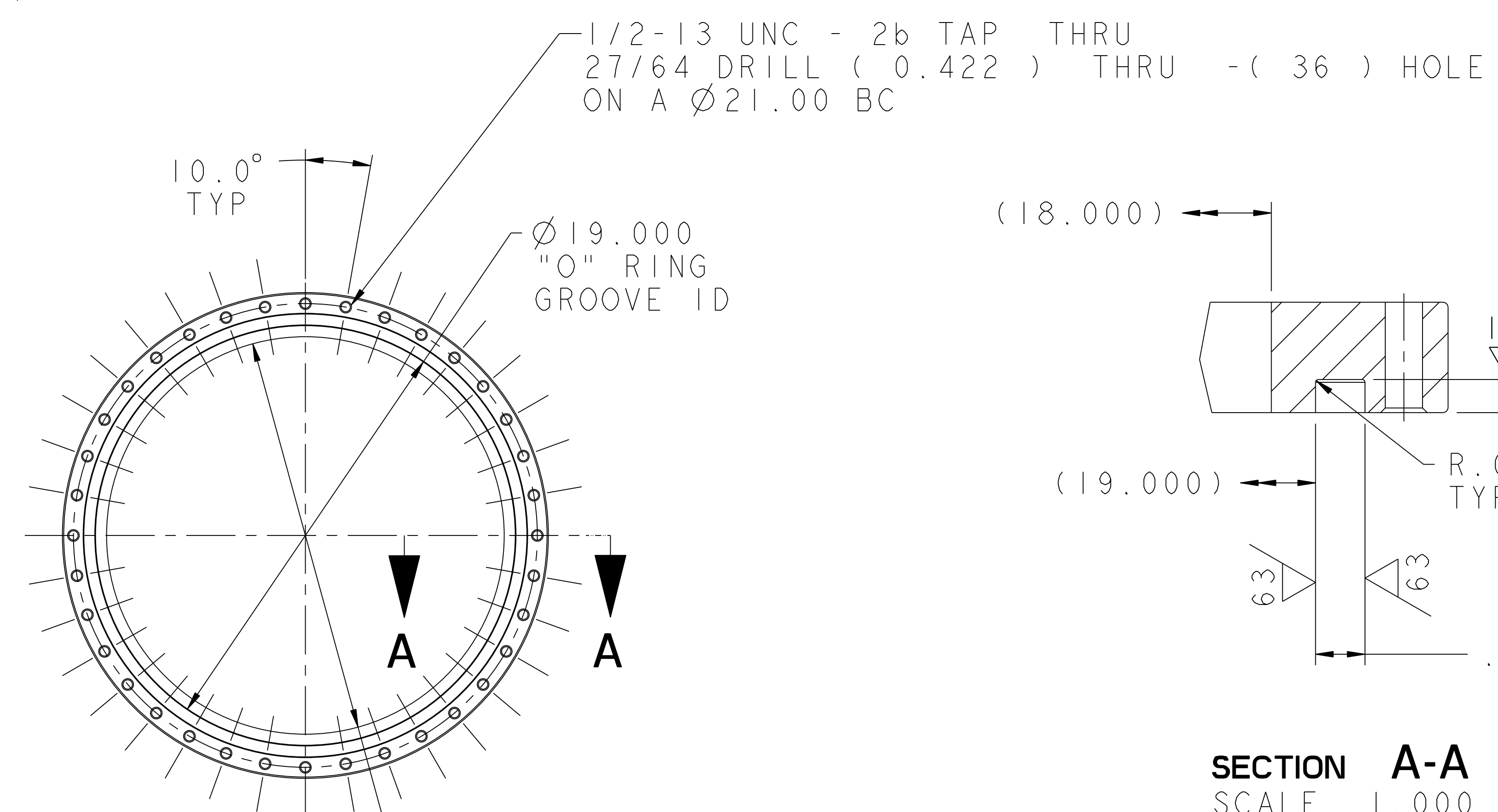
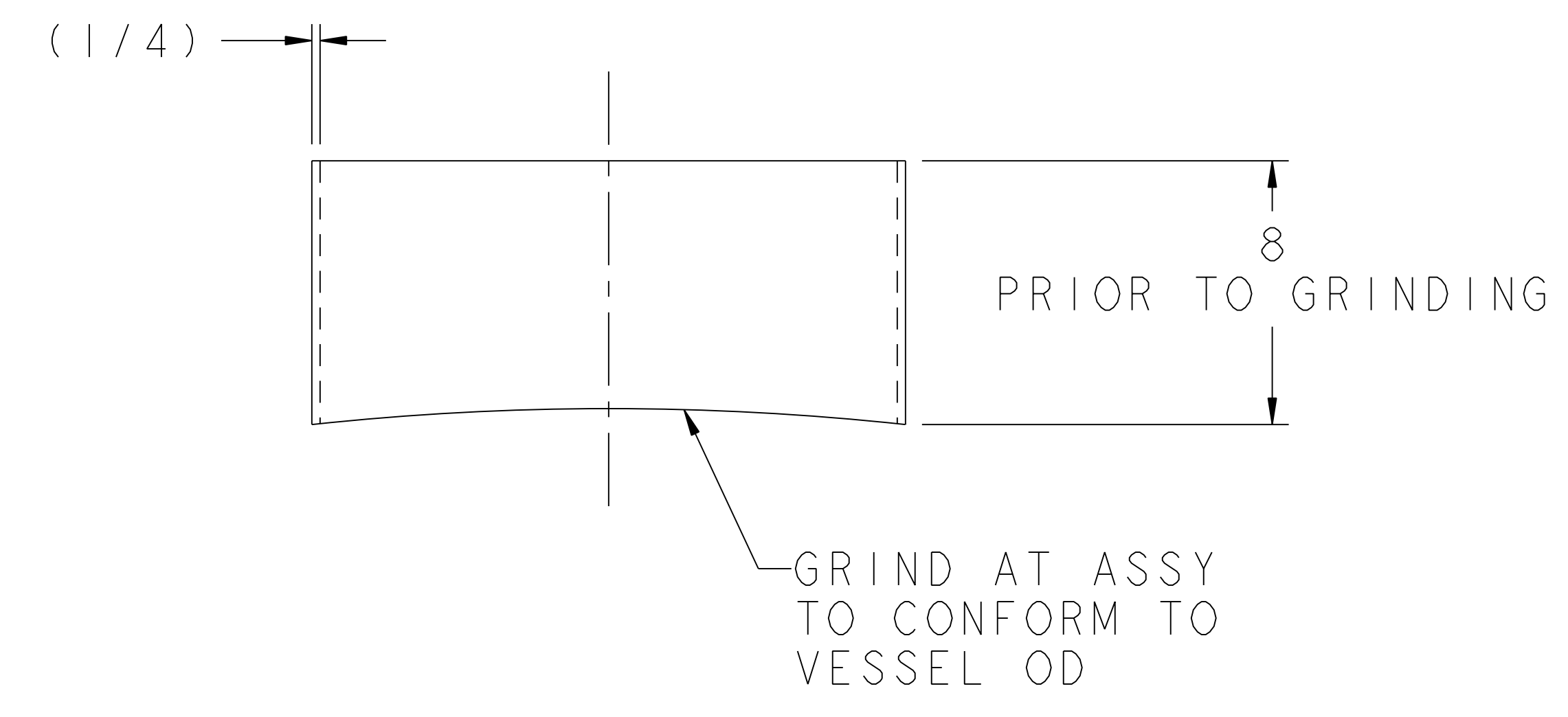
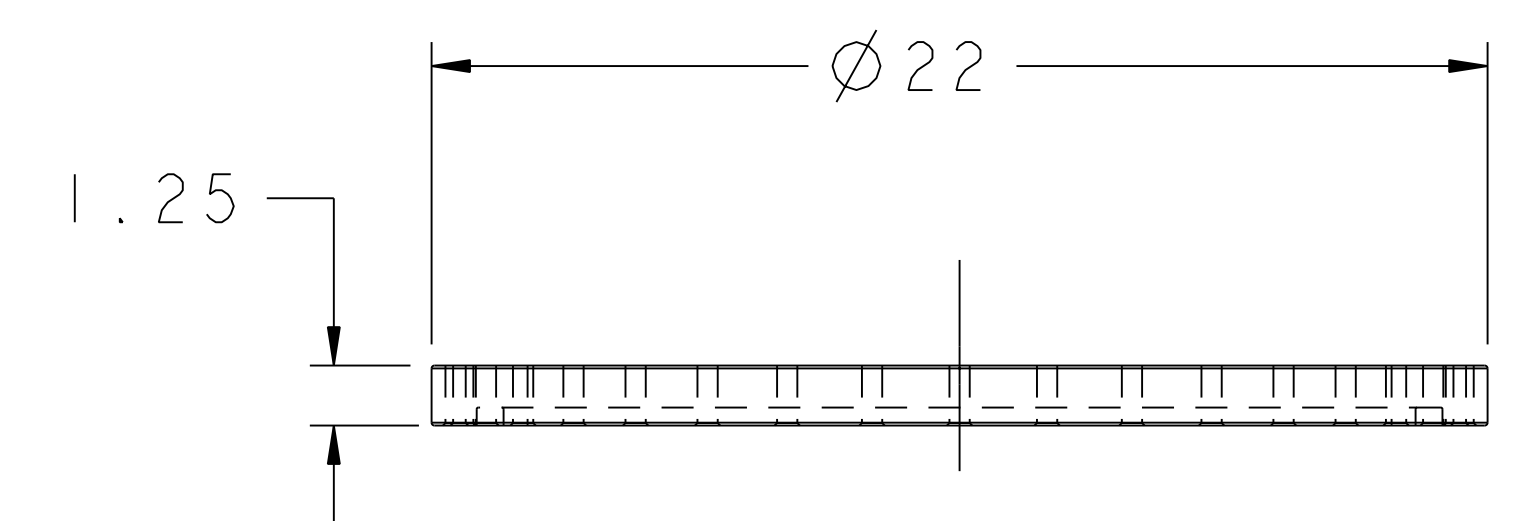
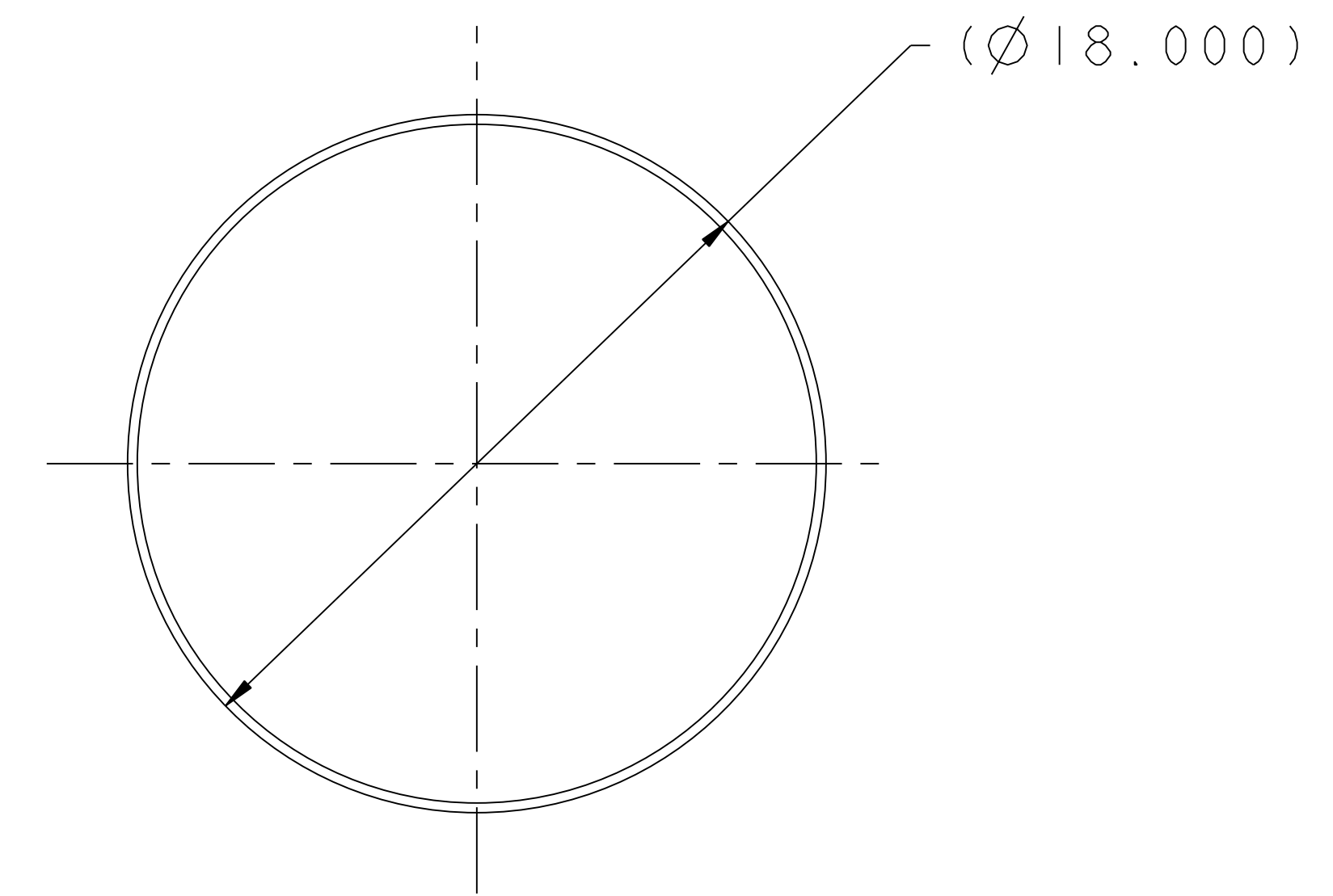


| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|-----------------------|-----|----|-----|----------------|---------|
| 1 | REVISED PER ECN #4852 | JDR | JC | JS | S. RAFTOPOULOS | 4/22/04 |



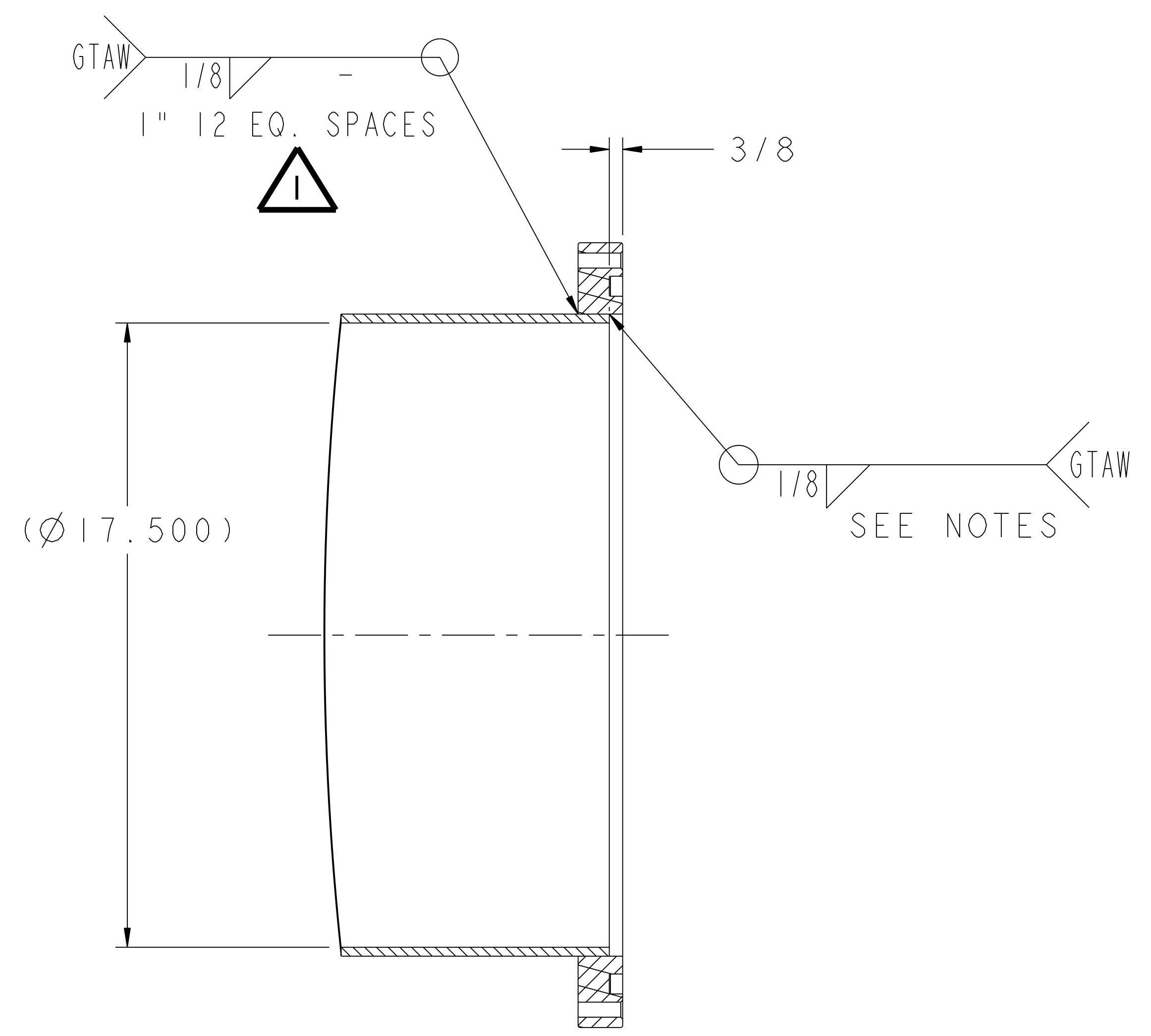
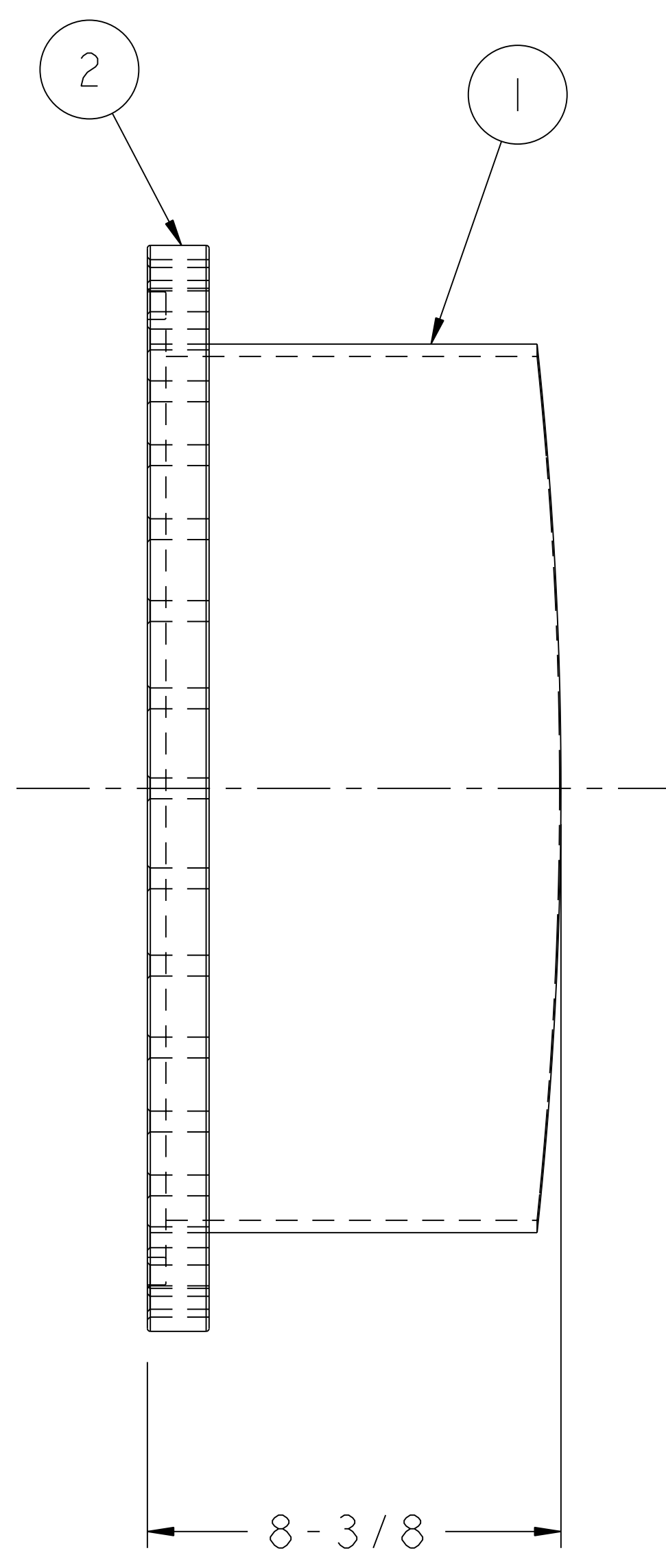
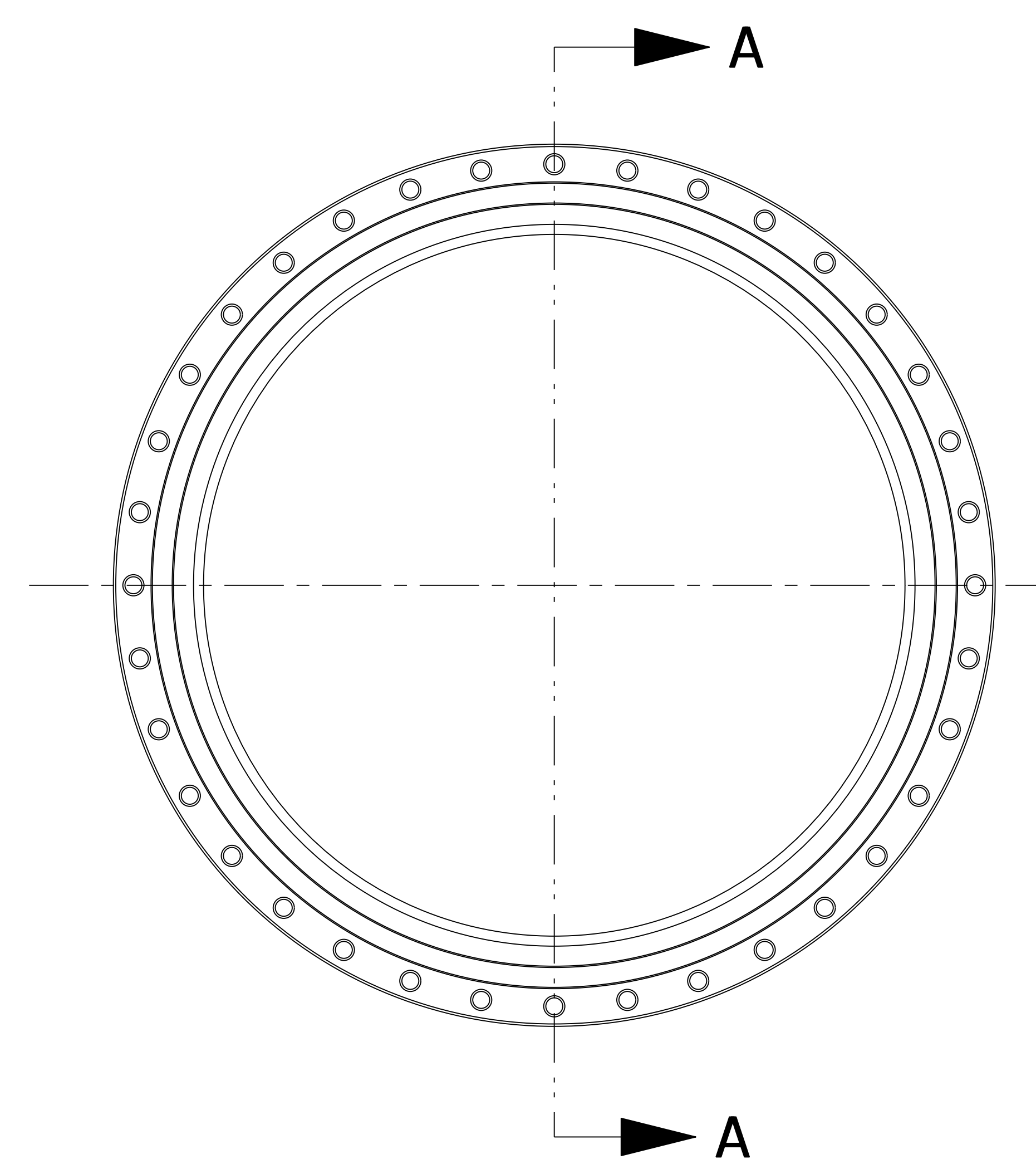
1 SPRUE PORT

MAKE FROM 18" OD X 1/4 WALL SCH #10 PIPE
SCALE 0.250

2 SPRUE PORT FLANGE

SCALE 0.250

\varnothing 18.000 NOM TO FIT OD PT #1



SECTION A-A
SCALE 0.375

NOTE

1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH PPPL PROCEDURE EM-002.
2. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY "D".
3. NOTE ORIENTATION OF ALL PARTS BEFORE WELDING.
4. LEAK RATE SHALL NOT EXCEED 1×10^{-5} torr-1/sec

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting:

SPRUE FEED THRU PORT ASSEMBLY

2 ASSY REQ'D
SCALE 0.375

| PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY | RECD |
|----------|------------|---|----------|-----|------|
| 2 | SE144-338 | SPRUE PORT FLANGE | STN STL | 2 | |
| 1 | SE144-337 | 18" OD X .250 WALL SCH 10 PIPE (SPRUE PORT) | STN STL | 2 | |

PARTS LIST

| | | | |
|--|---|--|------------------|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 | STELLARATOR CORE MODULAR COIL WINDING FACILITY SPRU FEED THRU PORT ASSEMBLY/DETAILS | |
| TOLERANCES NON-CUMULATIVE | DECIMAL-INCH FRACTIONS | DSN: J. RUSHINSKI | DRAWING NO: |
| NEXT ASSEMBLY | CHK: J. CHRZANOWSKI | ENGR: S. RAFTOPOULOS | SE144-340 |
| WELDING ENGINEER R. PARSELLS | SUPV: J. SIEGEL | SHEET 1 OF 1 REV 1 | |

WEIGHT 71.3 lbs
MODEL NAME SE144-340
RELEASE LEVEL: Fabrication
DWG VERSION NO: 0

NCSX-SE144-340