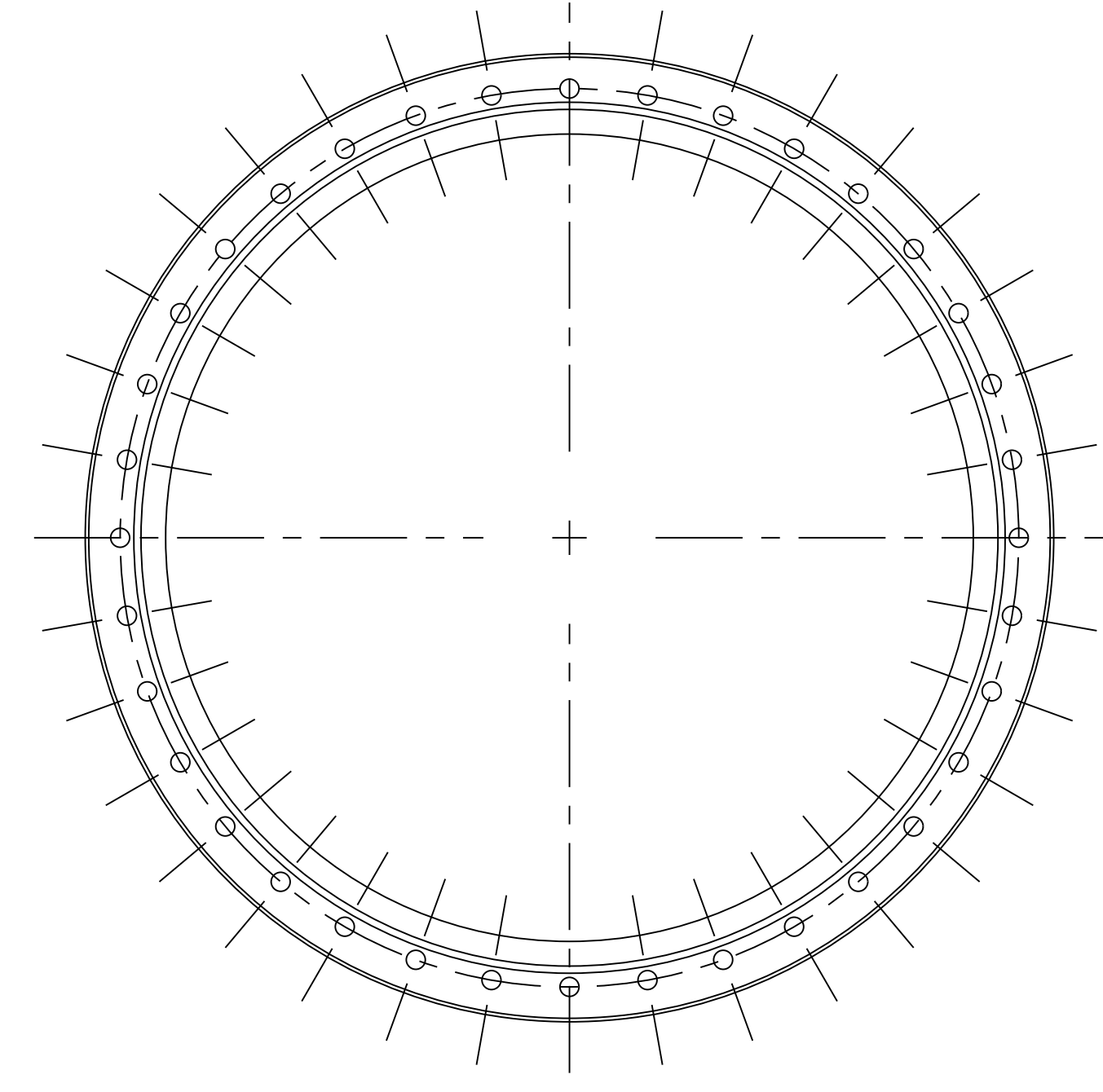
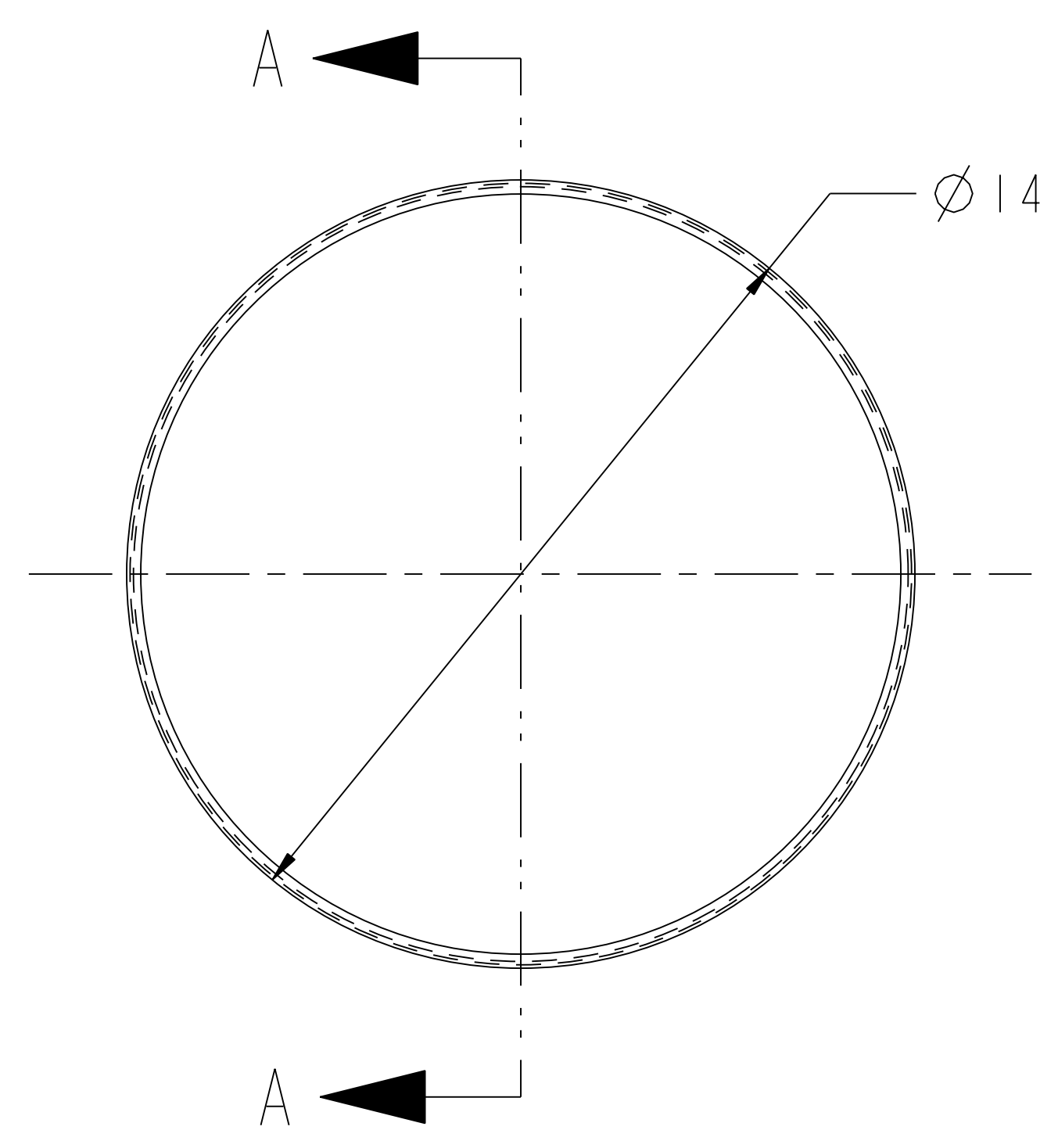


NO.	REVISION	BY	CH	SUP	APPROVED	DATE



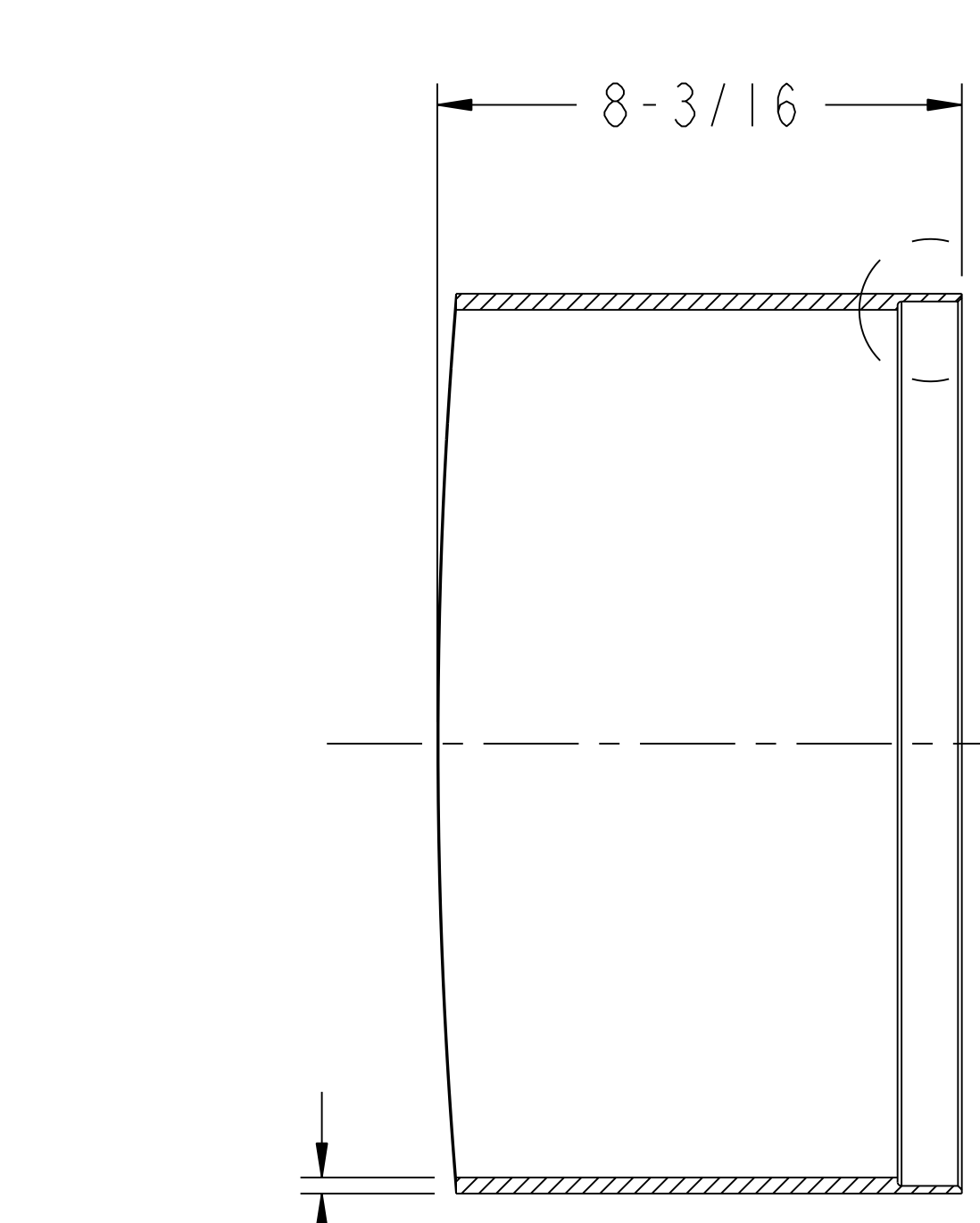
1 CONFLAT FLANGE

16 1/2 OD TAPPED CONFLAT FLANGE (COMM)
SCALE 0.375

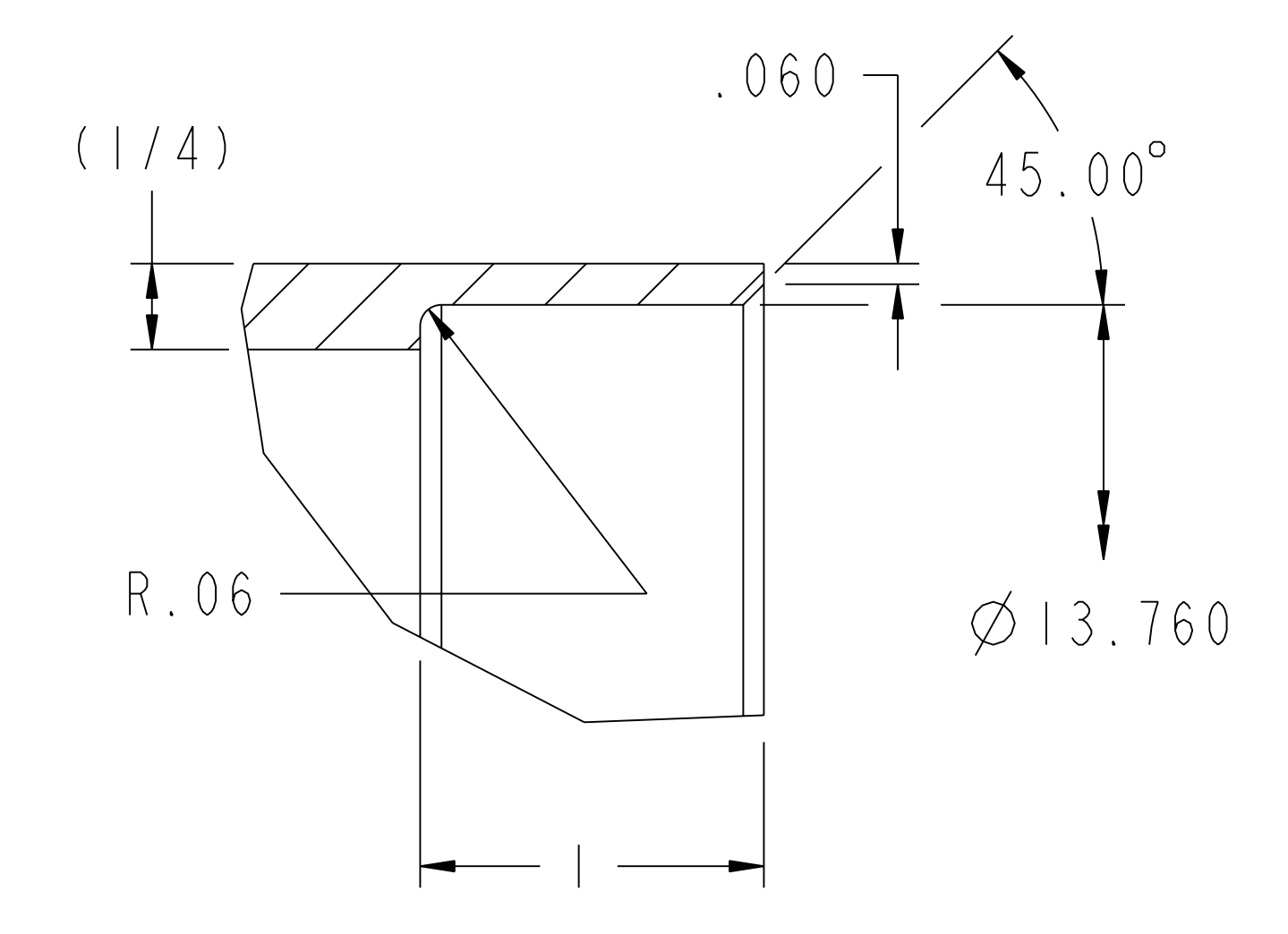


2 PORT TUBE

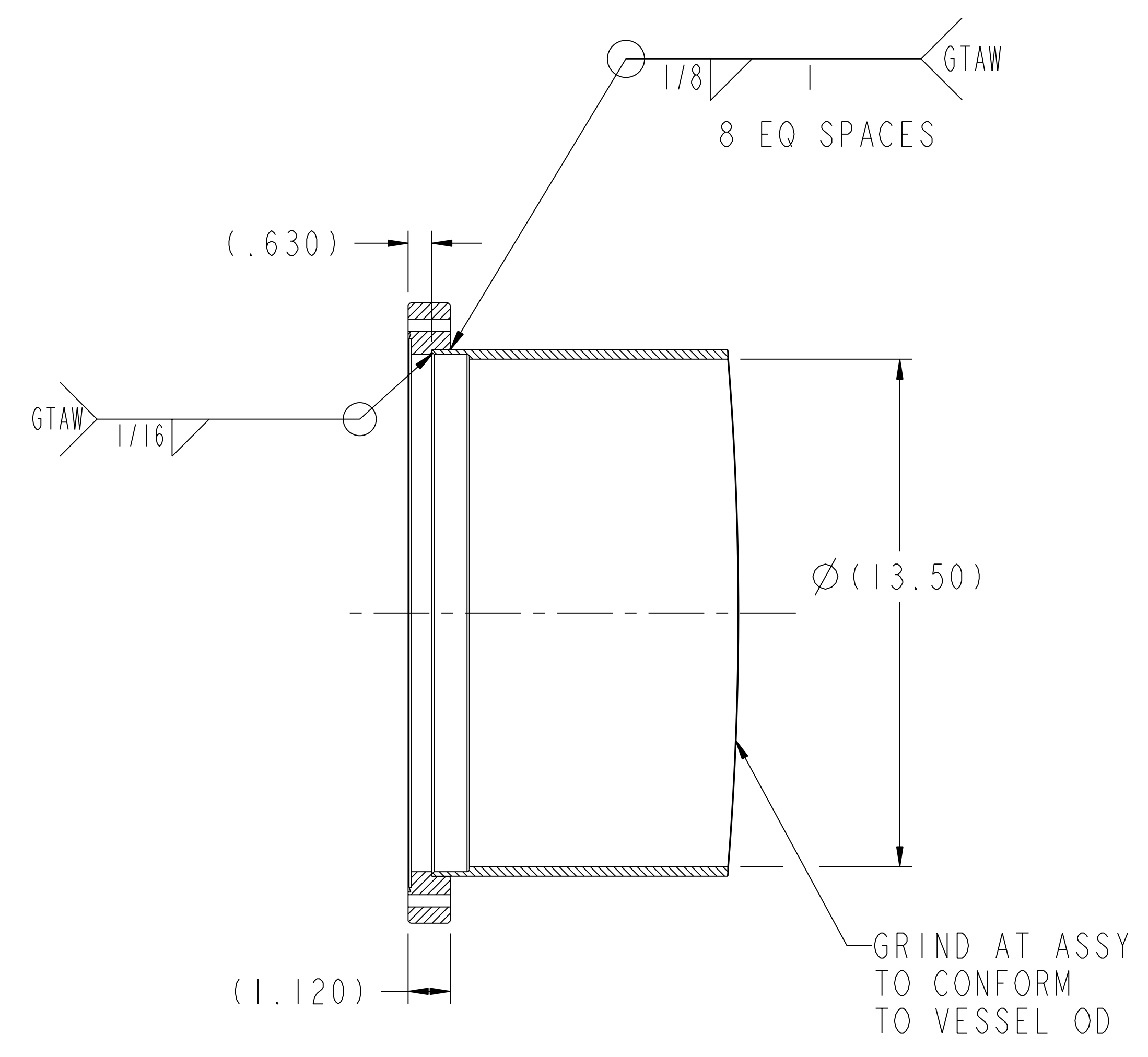
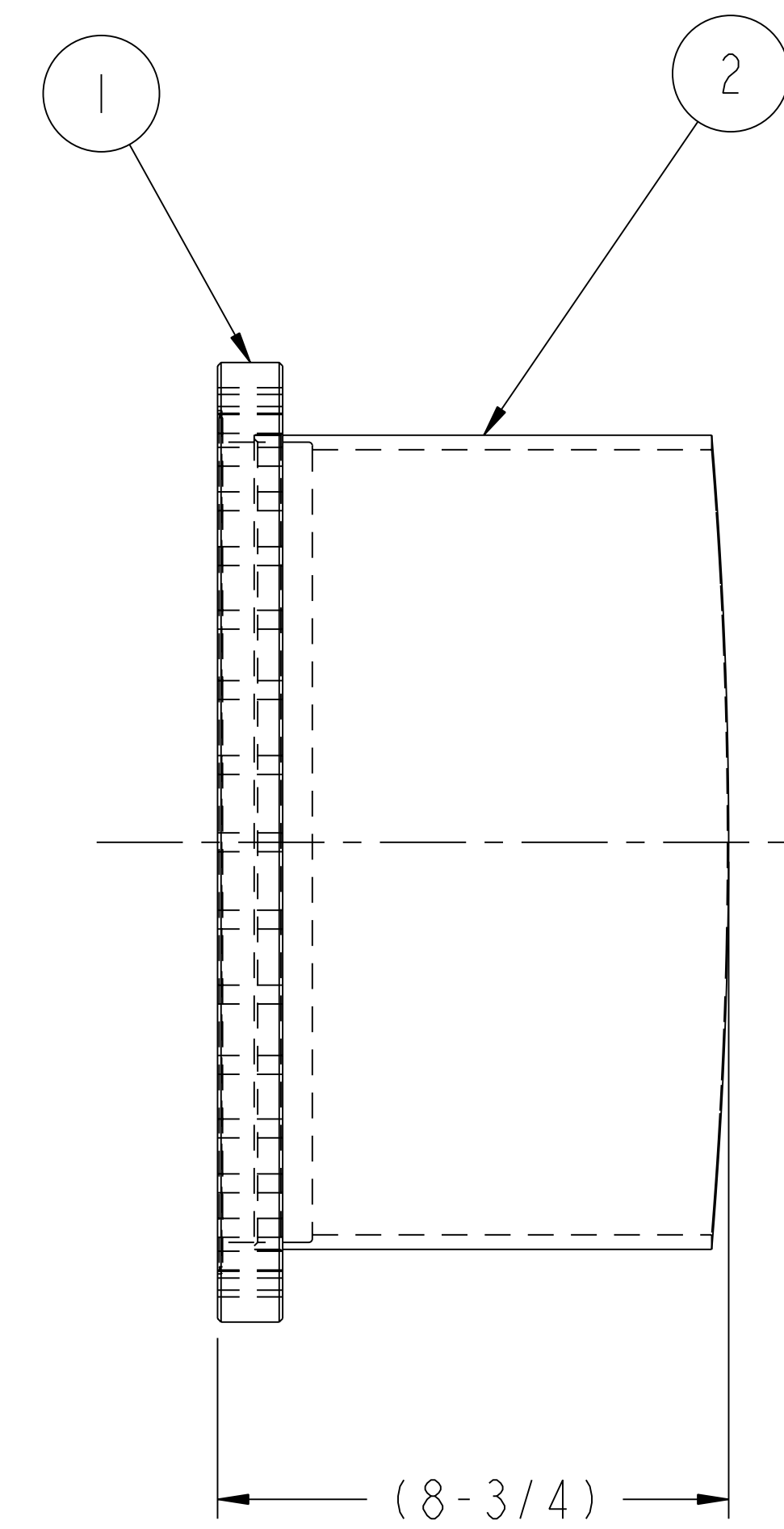
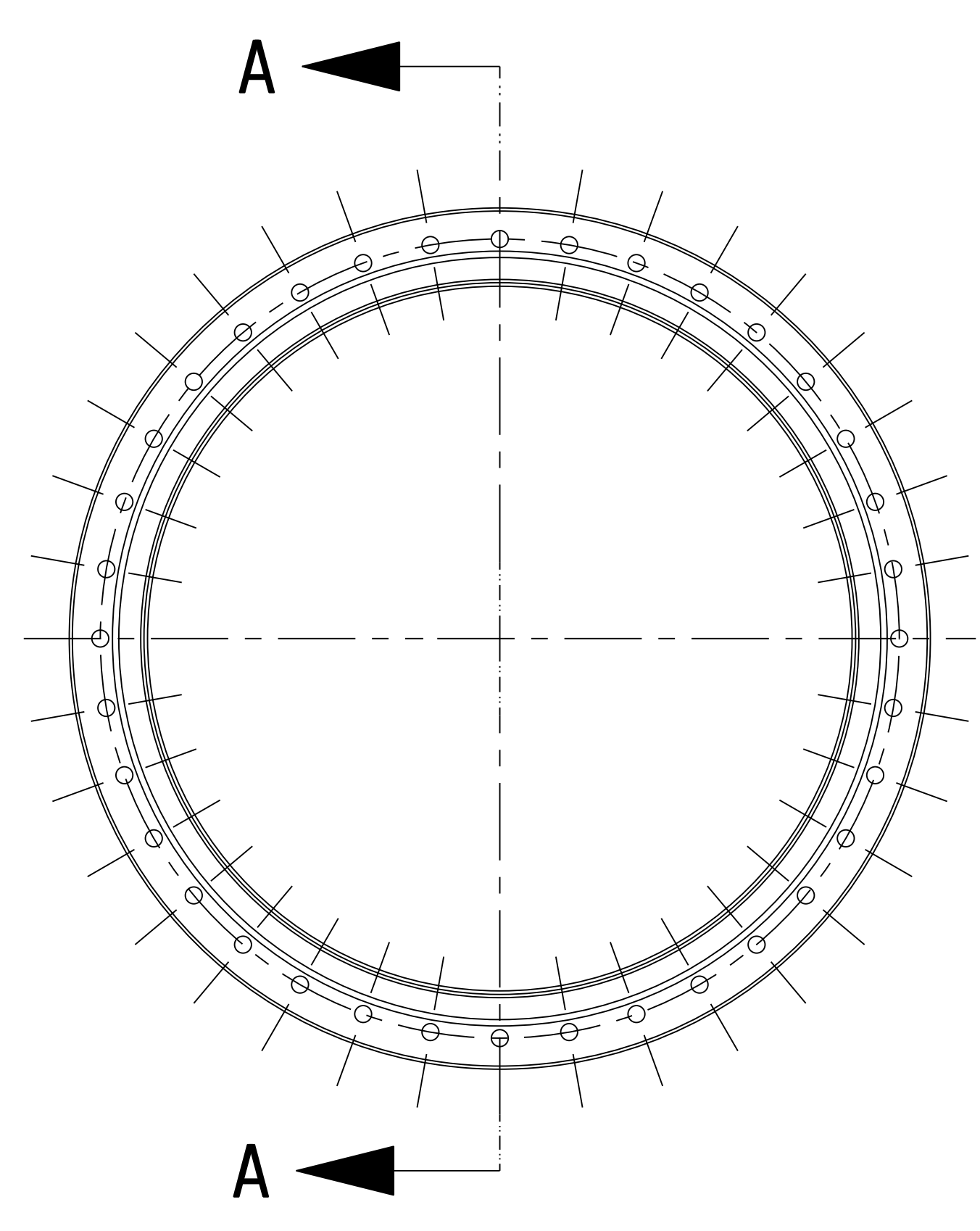
MAKE FROM 14" OD X 1/4" WALL TUBE



SECTION A-A
SCALE 0.375



DETAIL "Z"
SCALE 2.000



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:

HEATING RETURN PORT ASSEMBLY

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	REOD
2	SE144-329	HEATING RETURN PORT TUBE	STN STL	1	
1	NS151426	16.50 O.D. CONFLAT FLG NON-ROT. HUNTINGTON 1650-1400-T OR EQ	304 STN STL	1	

PARTS LIST

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
Pro E	DIMENSIONS ARE IN INCHES MACHINE SURFACES	STELLARATOR CORE MODULAR COIL WINDING FACILITY AUTOCLAVE HEATING RETURN PORT ASSEMBLY	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020	DSN: J. RUSHINSKI	DRAWING NO:
TOLERANCES NON-CUMULATIVE	DECIMAL-INCH FRACTIONS	CHK: J. CHRZANOWSKI	SE144-346
NEXT ASSEMBLY	.XX ±.030 .XXX ±.005 ANGULAR ±.0°-15°	ENGR: S. RAFTOPOULOS	SHEET 1 OF 1
WEIGHT 42.4 lbs	MODEL NAME SE144-346	SUPV: J. SIEGEL	REV 0

RELEASE LEVEL: As Built
DWG VERSION NO:

WELDING ENGINEER	
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NCSX-SE144-346