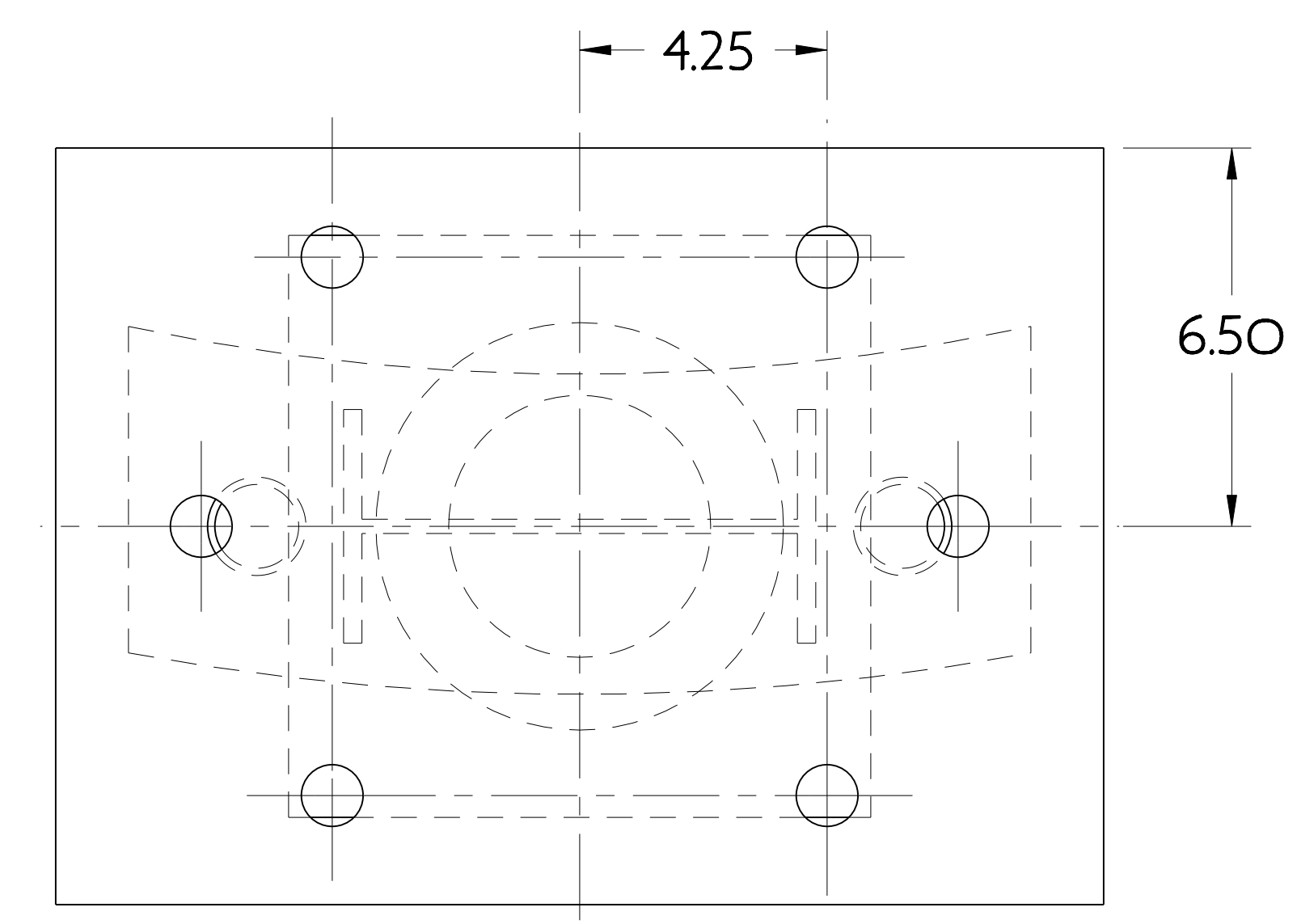
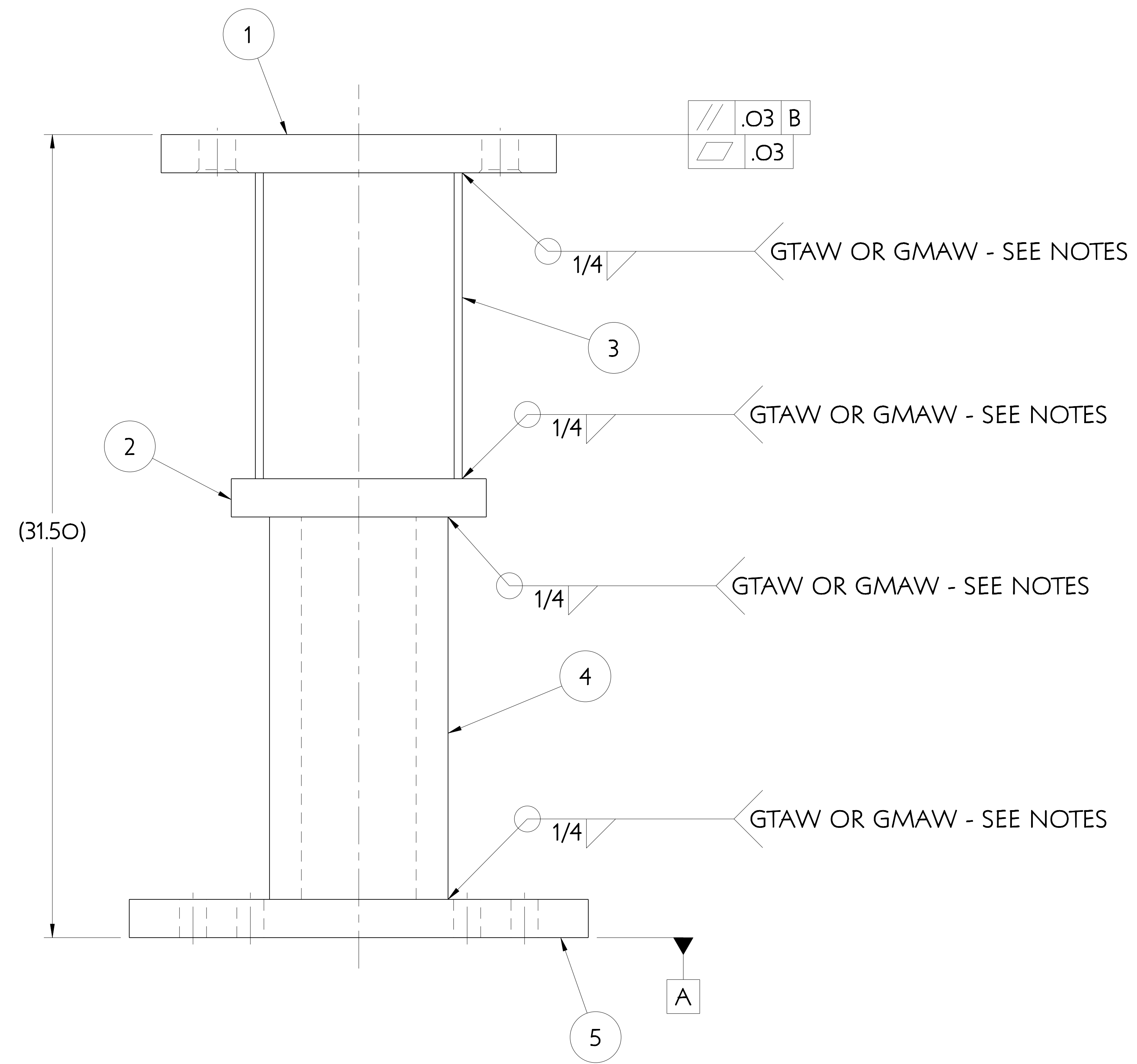
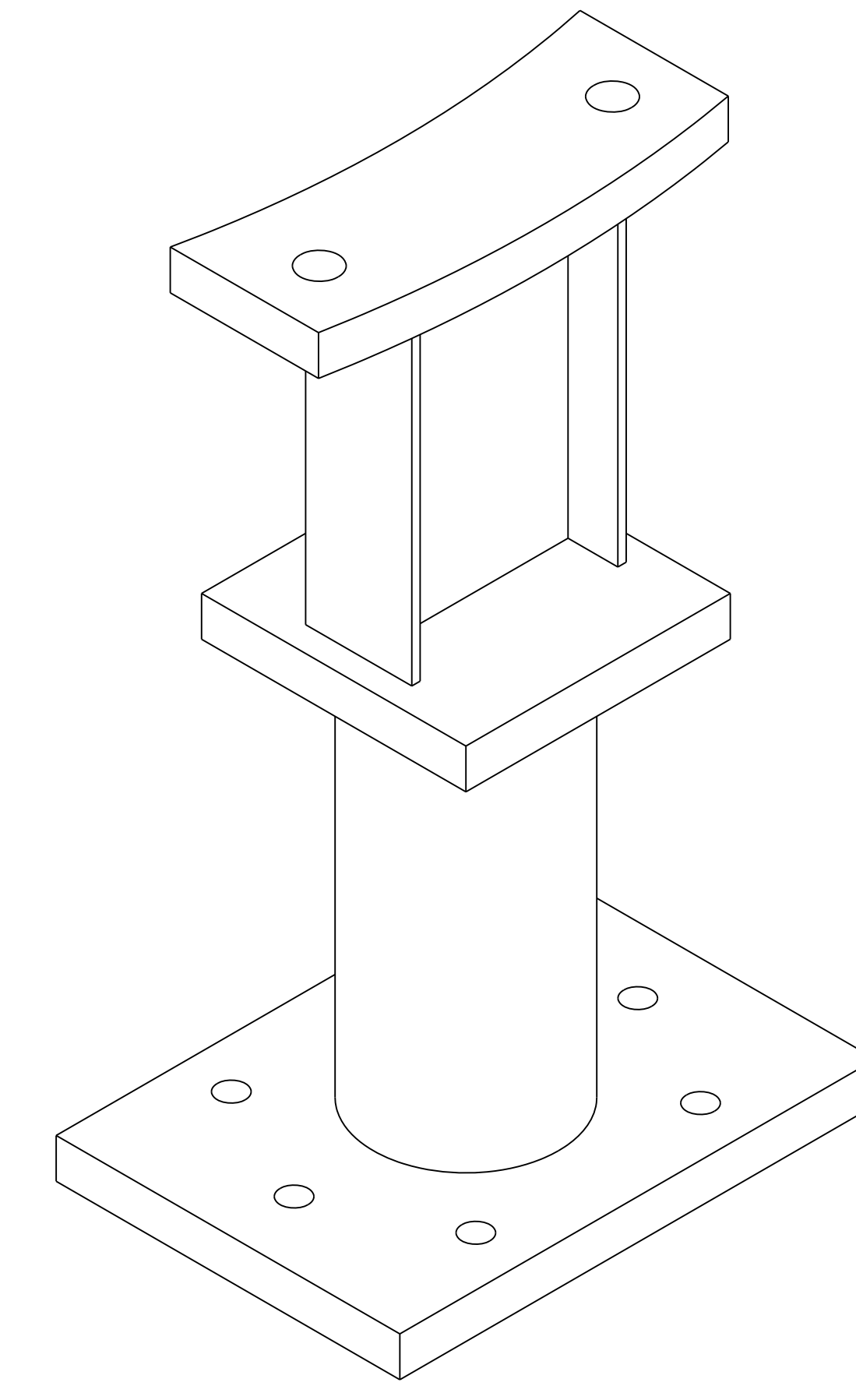
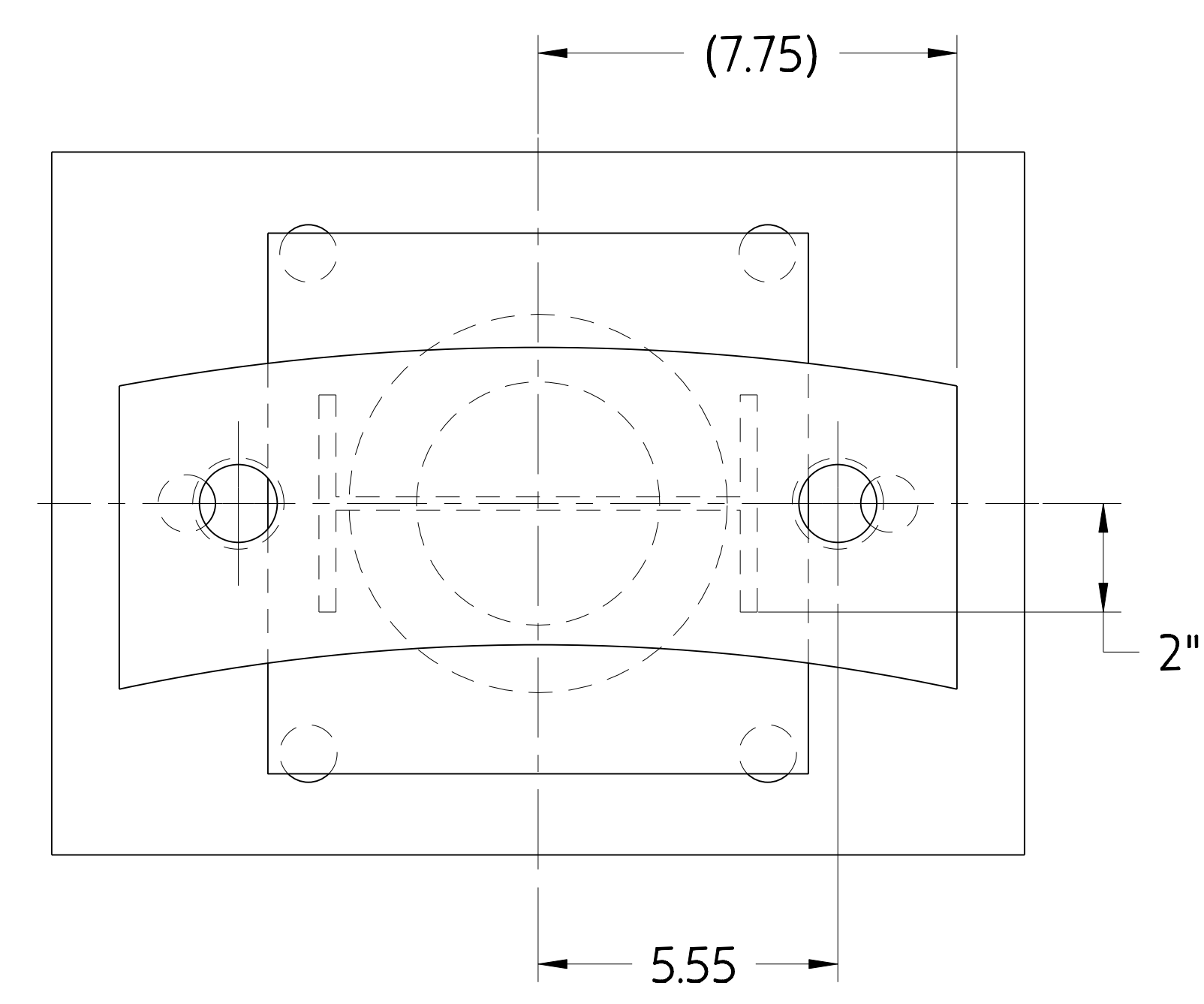


NO.	REVISION	BY	CH	SUP	APPROVED	DATE



- DRAWINGS PREPARED IN ACCORDANCE WITH ASME Y14.100-2000
- INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-1994.
- DIMENSIONS ARE IN INCHES.
- SEE SPECIFICATION NCSX-CSPEC-XXX-XX-XX FOR ADDITIONAL INFORMATION AND/OR MATERIAL REQUIREMENTS.
- WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.6 (STRUCTURAL WELDING OF AUSTENITIC STAINLESS STEEL) AND PPPL PROCEDURE NO. ENG-O37. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.6.
- REFERENCE PERMEABILITY

BASE MATERIAL	1.05
FABRICATED PART	1.05
WELD	1.05
- NOTE ORIENTATION OF ALL PARTS BEFORE WELDING.
- DRAWING DEPICTS FINAL REQUIRED ASSEMBLED STATE. MANUFACTURING TO DETERMINE MATERIAL ALLOWANCES AND WELD DISTORTION ALLOWANCES REQUIRED TO ACHIEVE DIMENSIONS/TOLERANCES INDICATED.

3 ASSEMBLIES REQUIRED

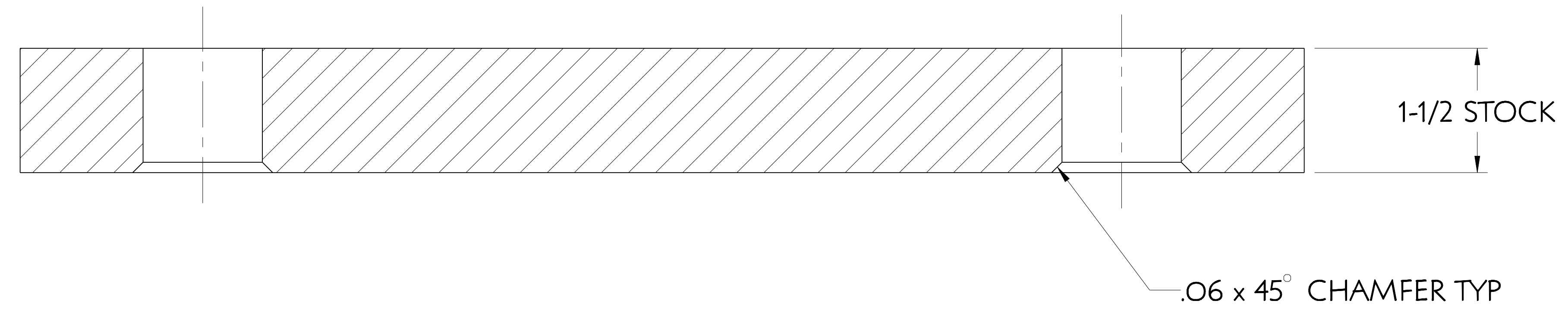
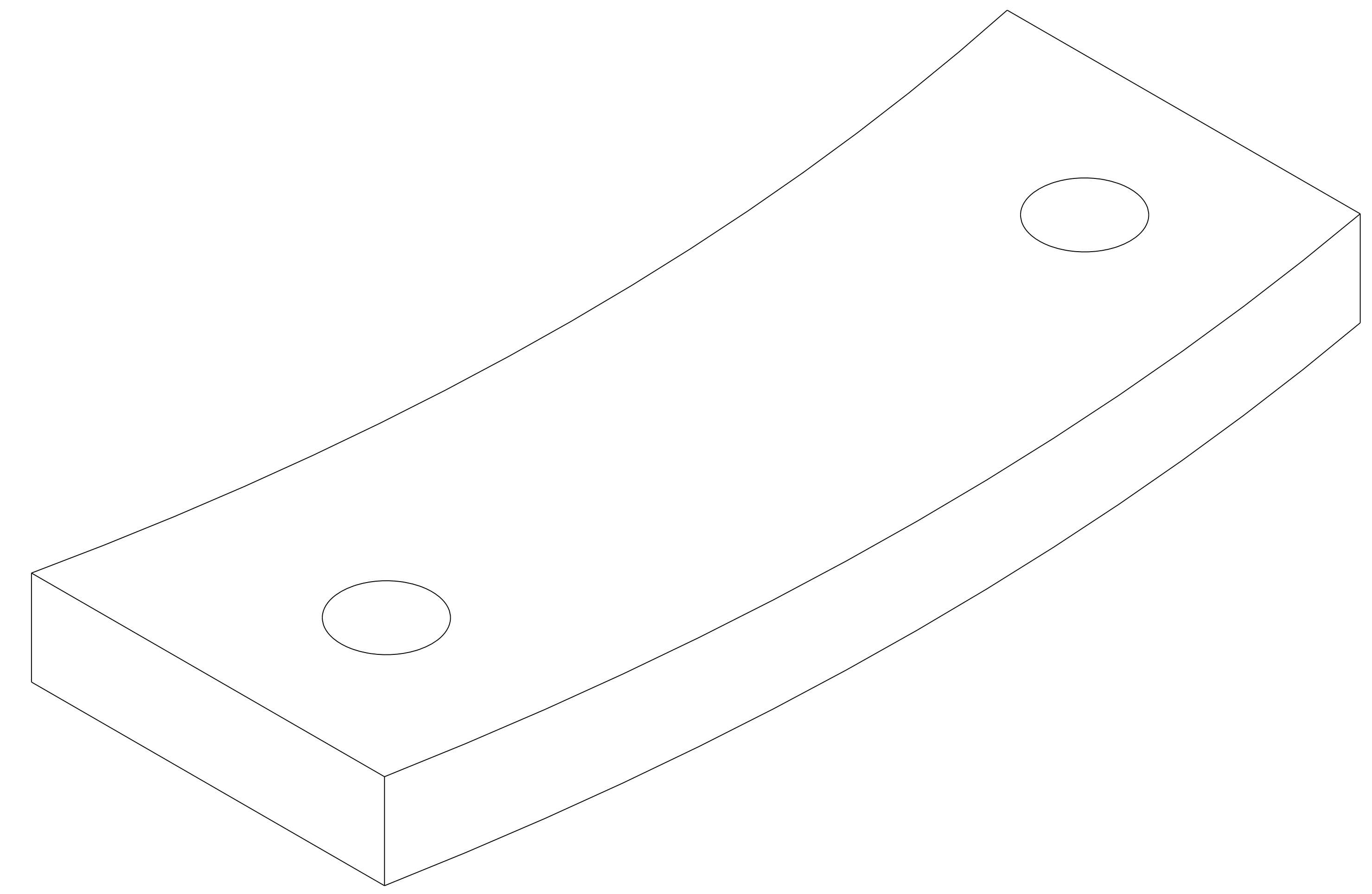
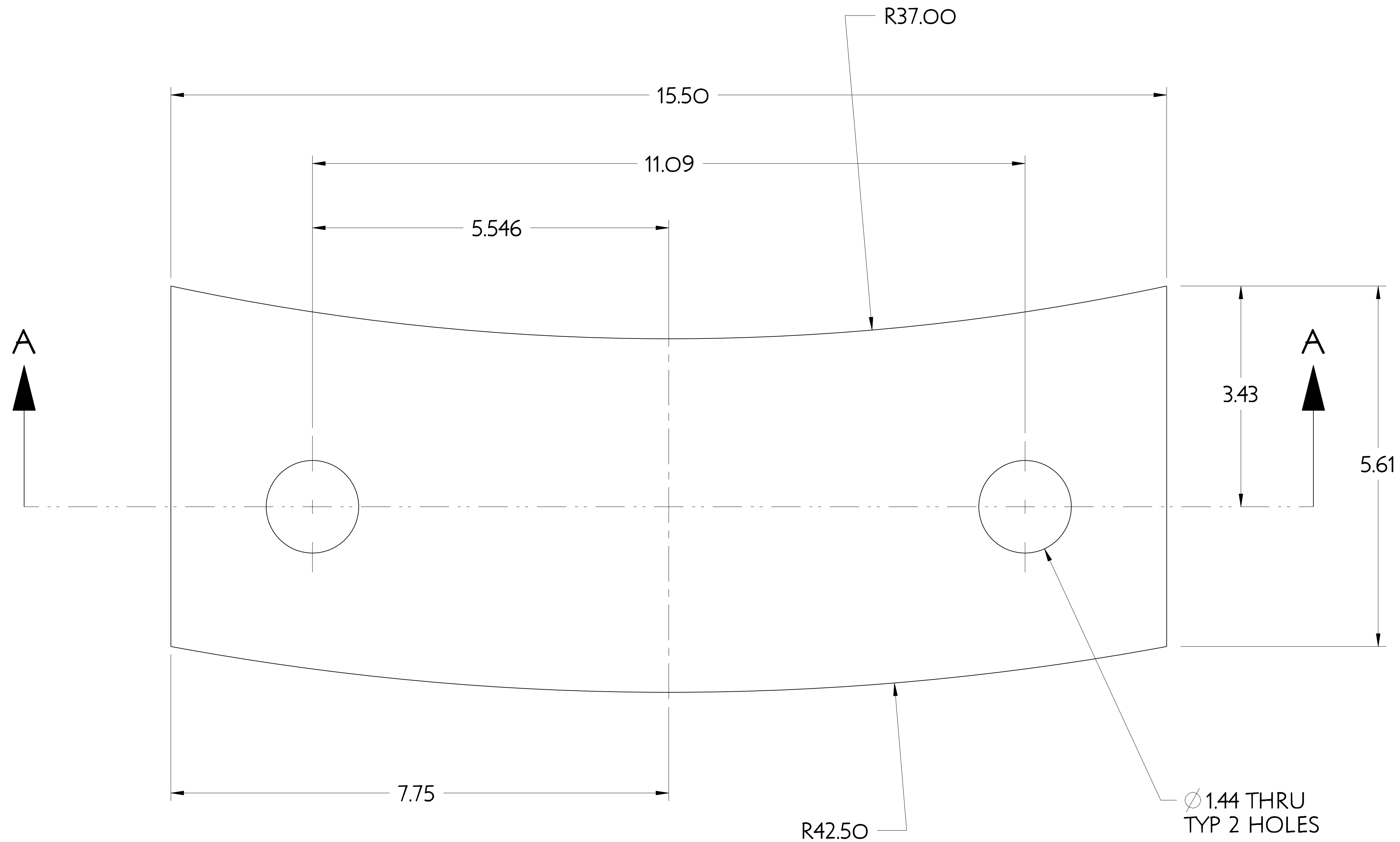
PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	RECD
5	SE172-243-5	OUTER SUPPORT PEDESTAL BOTTOM PLATE	304L STN STL	1	
4	SE172-243-4	OUTER SUPPORT PEDESTAL INTERMEDIATE SUPPORT TUBE	304L ST STL	1	
3	SE172-243-3	OUTER SUPPORT PEDESTAL SUPPORT COLUMN - W8" x 15#	304L ST STL	1	
2	SE172-243-2	OUTER SUPPORT PEDESTAL INTERMEDIATE SUPPORT PLATE	304L ST STL	1	
1	SE172-243-1	OUTER SUPPORT PEDESTAL TOP MOUNTING PLATE	304L ST STL	1	

PARTS LIST

COMPUTER GENERATED DRAWING DRAWING CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY, TX NATIONAL COMPACT STELLARATOR EXPERIMENT	
Pro E	DIMENSIONS ARE IN INCHES MACHINE SURFACES	STELLARATOR CORE BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020	DSN: T. CRUICKSHANK	DRAWING NO: SE172-243
WEIGHT 329.4 lbs	MODEL NAME SE172-243	CHK: ENGR: F. DAHLGREN	SHEET 1 OF 6
RELEASE LEVEL: WIP DWG VERSION NO: 19	WELDING ENGINEER	SUPV:	REV: 0

NCSX-SE172-243

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SECTION A-A

1 OUTER SUPPORT PEDESTAL TOP MOUNTING PLATE

3 REQUIRED

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

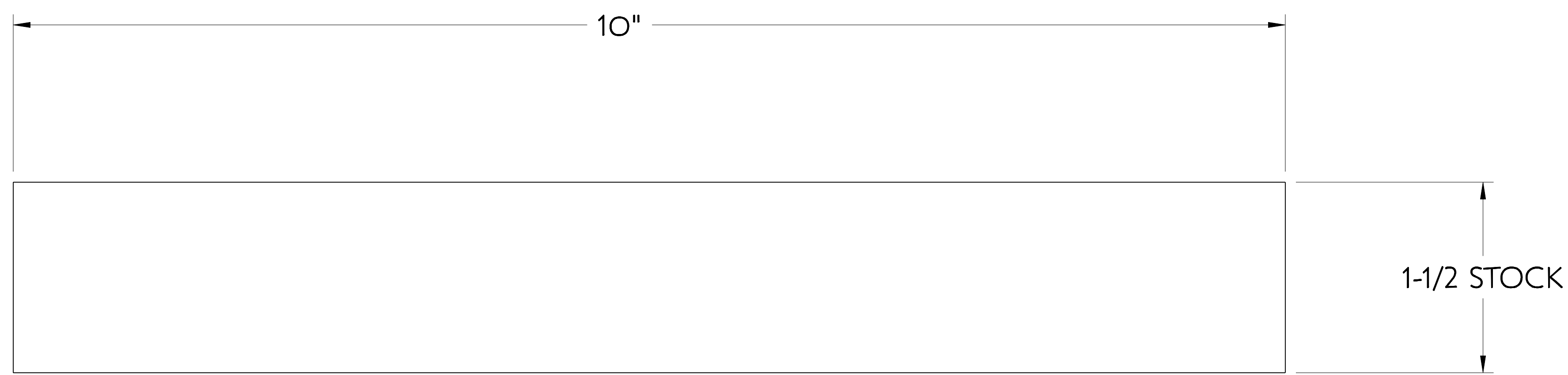
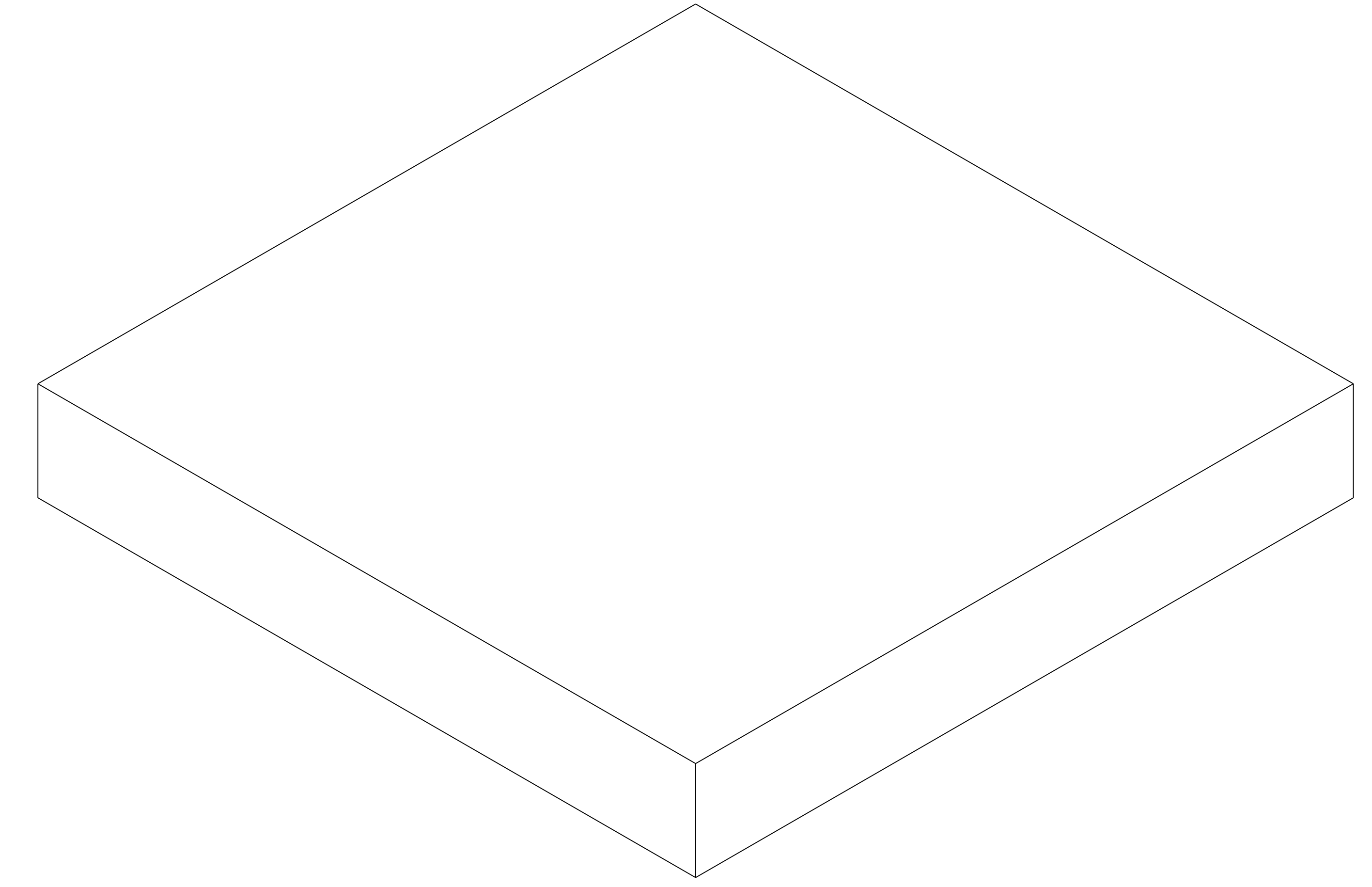
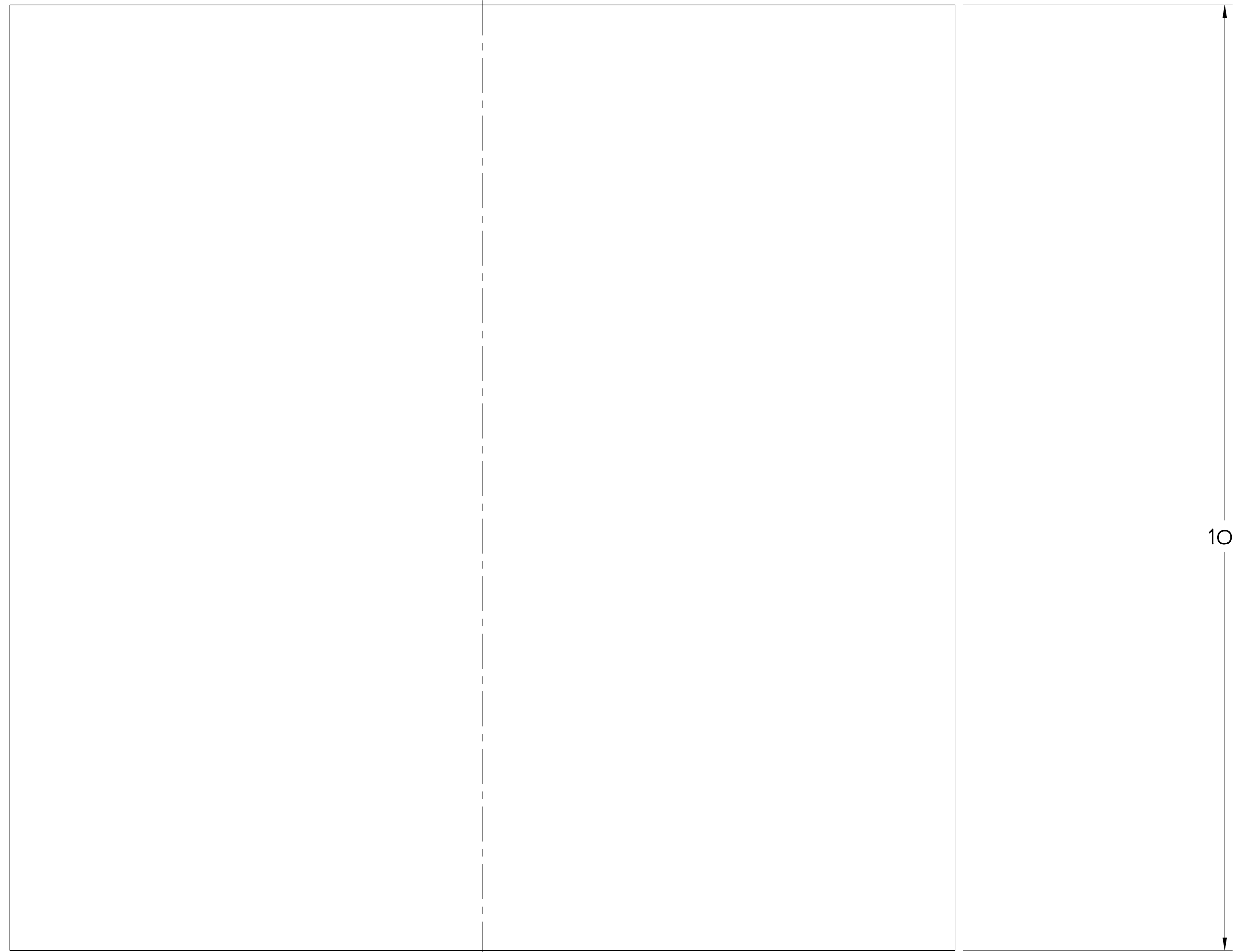
RELEASE LEVEL: WIP
DWG VERSION NO: 6

WEIGHT	35.9 lbs
MODEL NAME	SEI72-243-5
WELDING ENGINEER	

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	STELLARATOR CORE BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .X +/- .000 0°-120° +/- .004 .XX +/- .000 12°-120° +/- .004 .XXX +/- .005 12°-120° +/- .004 ANGULAR +/- .0°-15° OVER 120° +/- .125	DSN: T. CRUICKSHANK CHK: F. DAHLGREN ENGR: F. DAHLGREN SUPV:	DRAWING NO: SEI72-243 SHEET 2 OF 6 REV 0.4

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NO.	REVISION	BY	CH	SUP	APPROVED	DATE



3 REQUIRED

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

2 OUTER SUPPORT PEDESTAL INTERMEDIATE SUPPORT PLATE

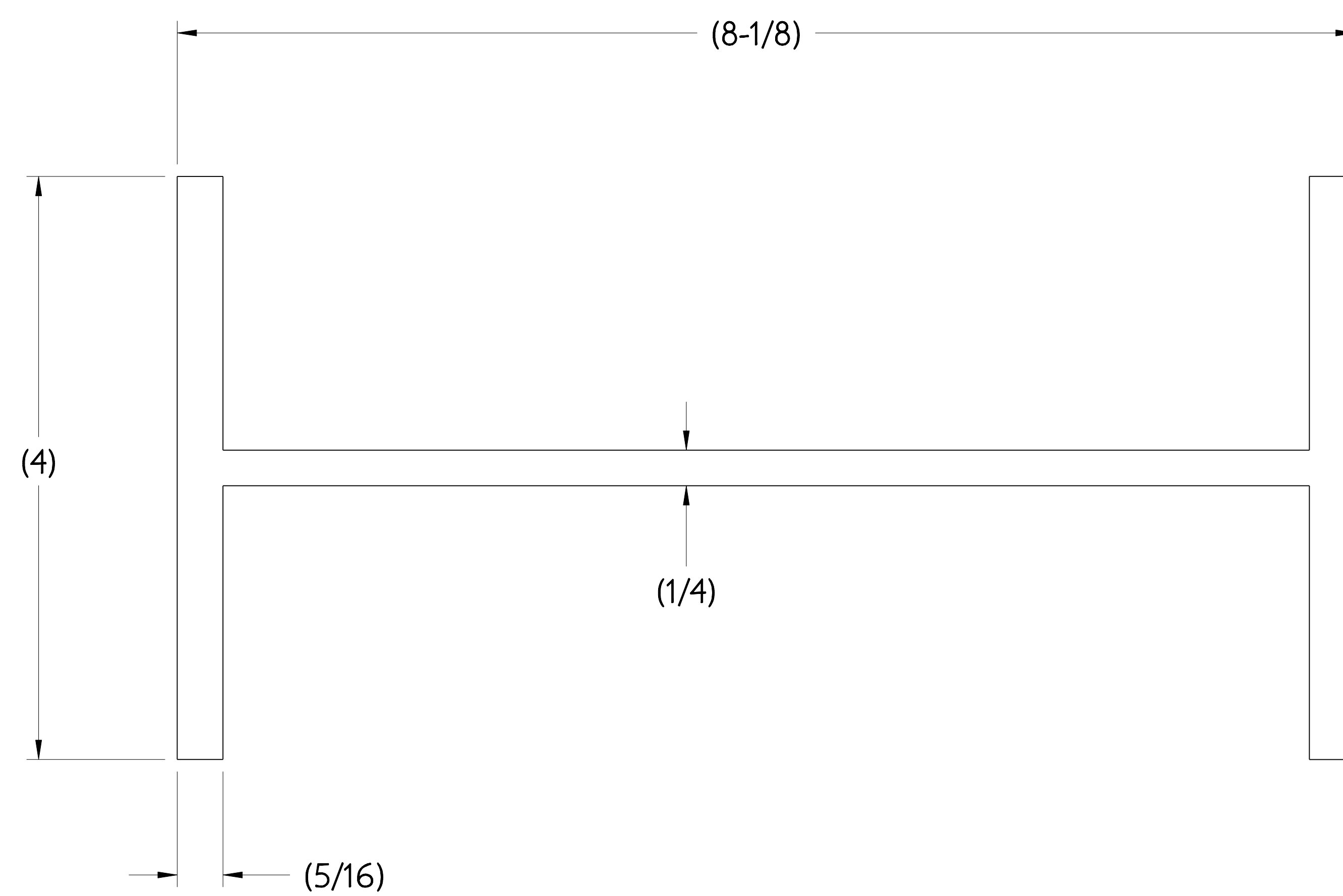
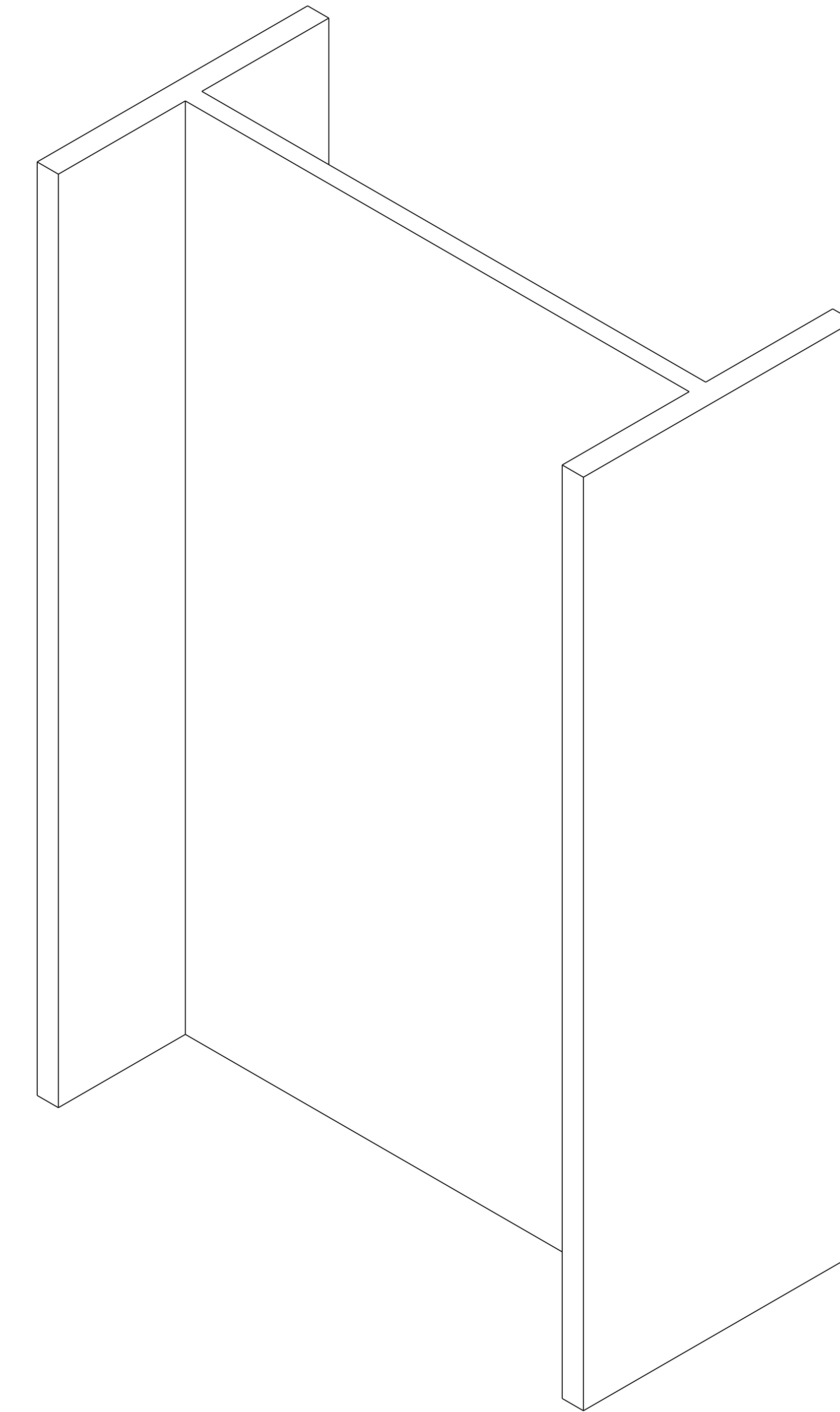
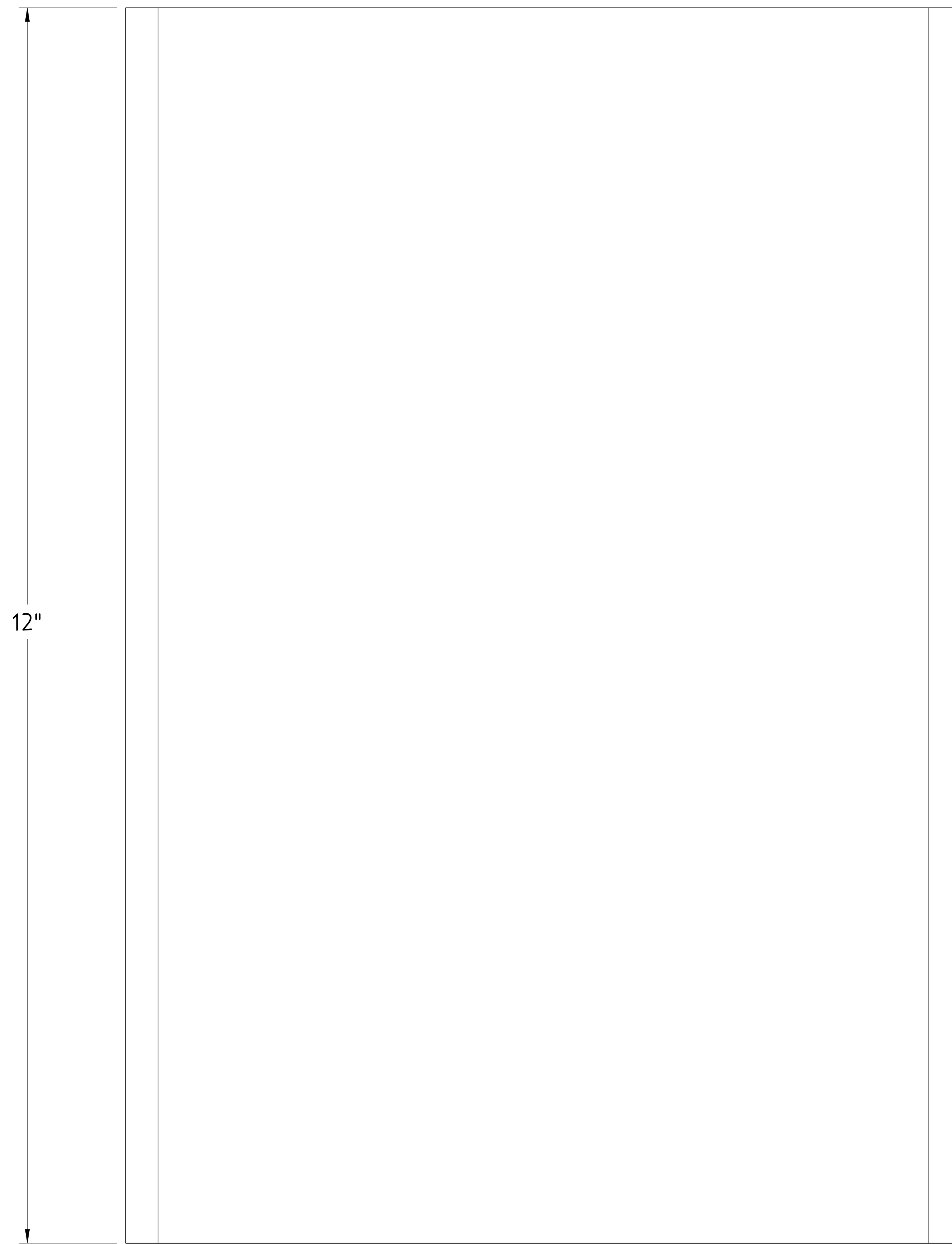
RELEASE LEVEL: WIP
DWG VERSION NO: 6

WEIGHT	43.5 lbs
MODEL NAME	SE172-243-5
WELDING ENGINEER	

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	STELLARATOR CORE BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .X +/- .000 0°-12° +/- .010 .XX +/- .000 12°-72° +/- .010 .XXX +/- .005 72°-120° +/- .010 ANGULAR +/- .0°-15° OVER 120° +/- .120	DSN: T. CRUICKSHANK ENGR: F. DAHLGREN SUPV:	DRAWING NO: SE172-243 SHEET 3 OF 6 REV 0.4

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NO.	REVISION	BY	CH	SUP	APPROVED	DATE



3 OUTER SUPPORT PEDESTAL SUPPORT COLUMN - W8" x 15#

3 REQUIRED

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

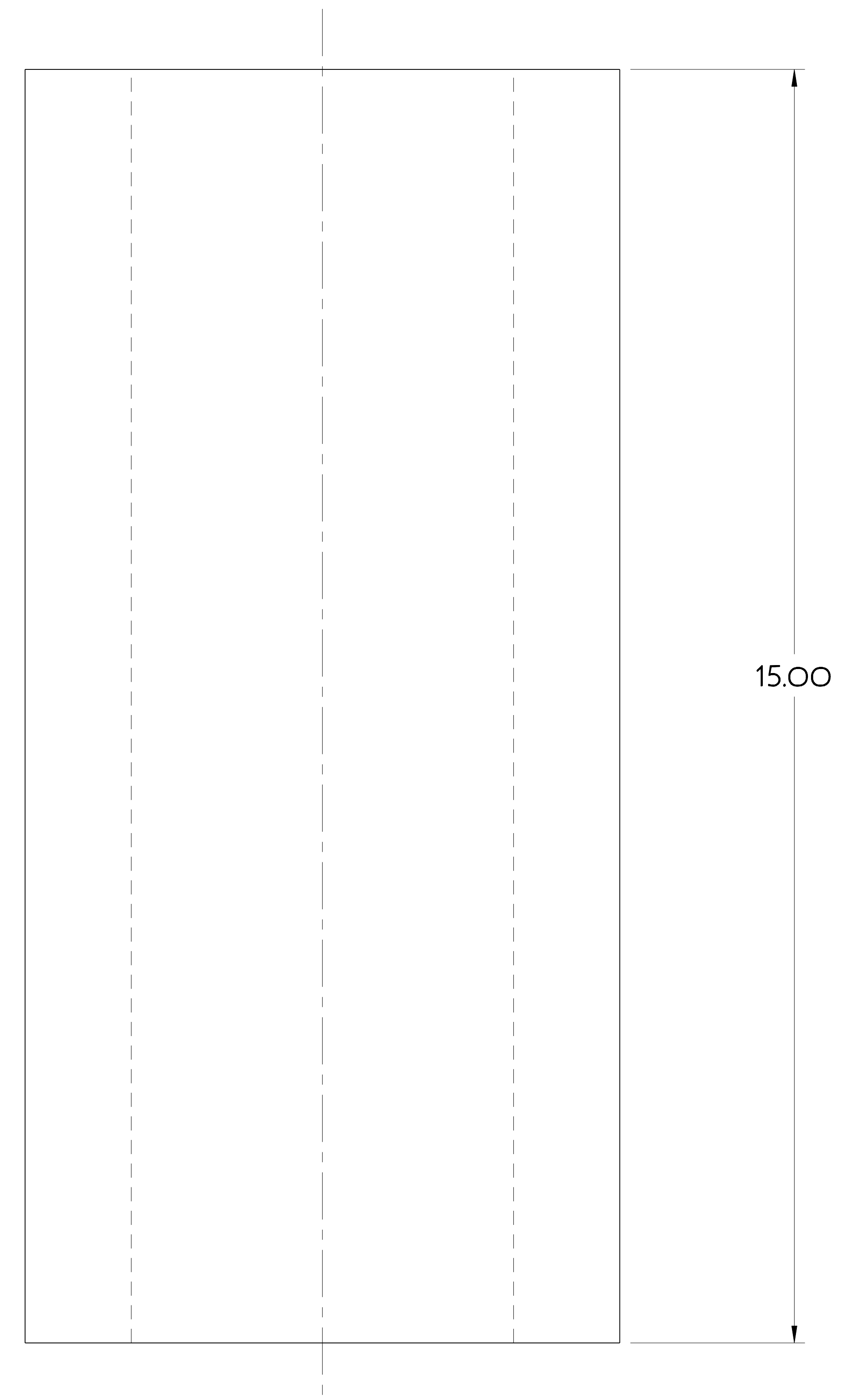
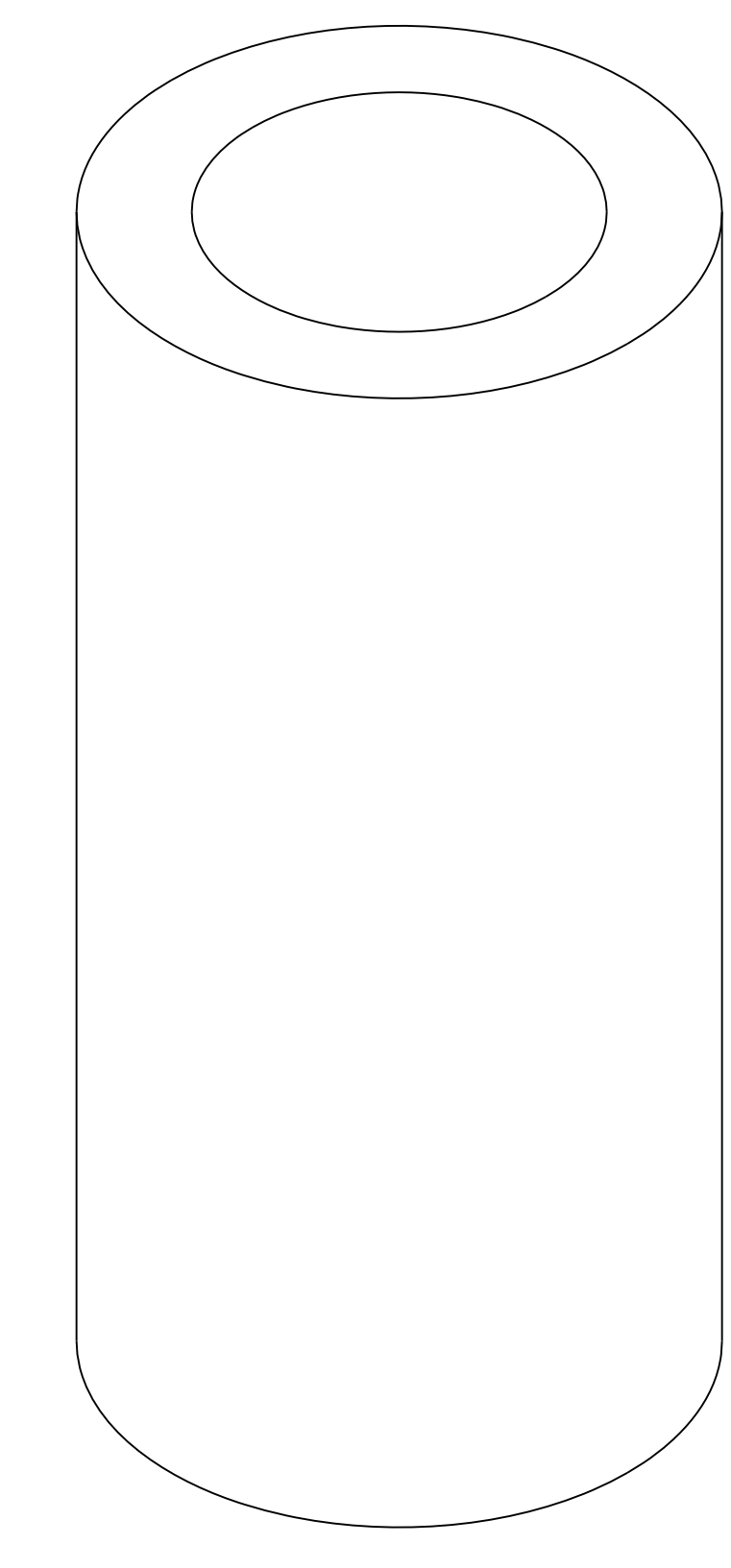
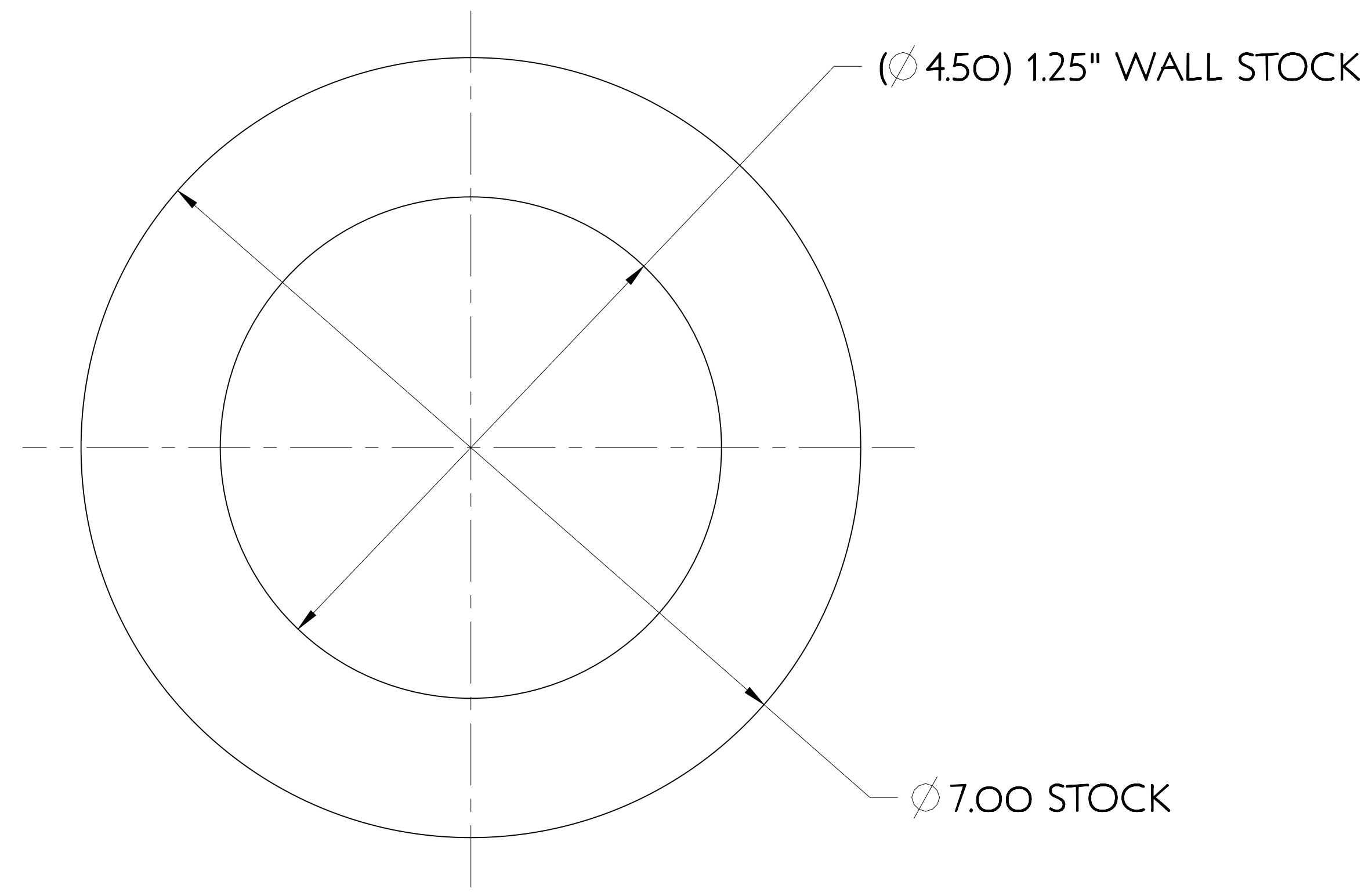
RELEASE LEVEL: WIP
DWG VERSION NO: 10

WEIGHT	52.3 lbs
MODEL NAME	SEI72-243-5
WELDING ENGINEER	

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	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 BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
NEXT ASSEMBLY	TOLERANCES - NON-CUMULATIVE DECIMAL-INCH FRACTIONS .X +/- .100 0°-120° +/- .100 .XX +/- .030 12°-72° +/- .100 .XXX +/- .005 72°-120° +/- .100 ANGULAR +/- .0°-15° OVER 120° +/- .100	DSN: T. CRUICKSHANK CHK: ENGR: F. DAHLGREN SUPV:	DRAWING NO: SEI72-243 SHEET 4 OF 6 REV 0.4

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15.00

3 REQUIRED

4 OUTER SUPPORT PEDESTAL INTERMEDIATE SUPPORT TUBE

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

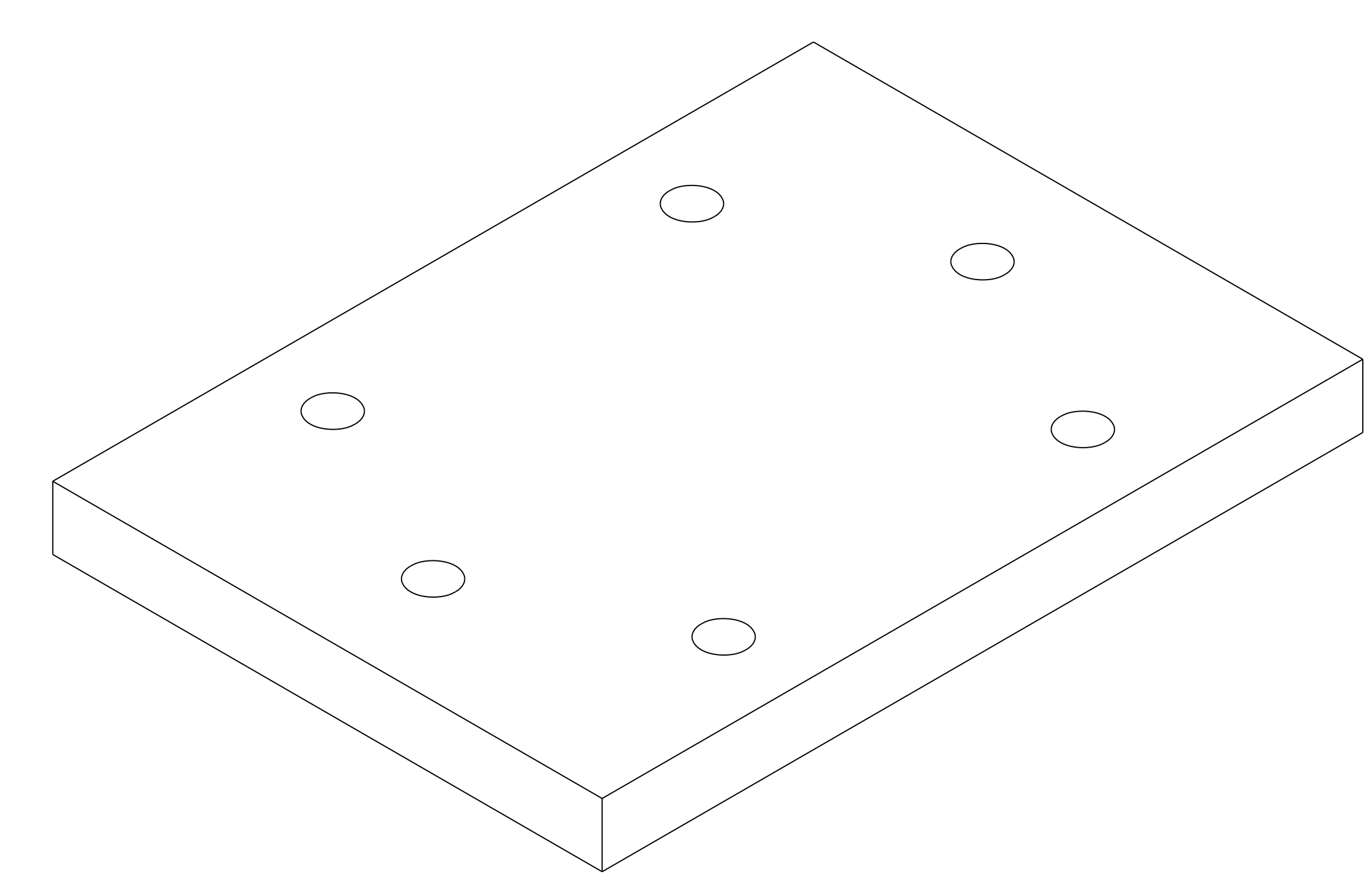
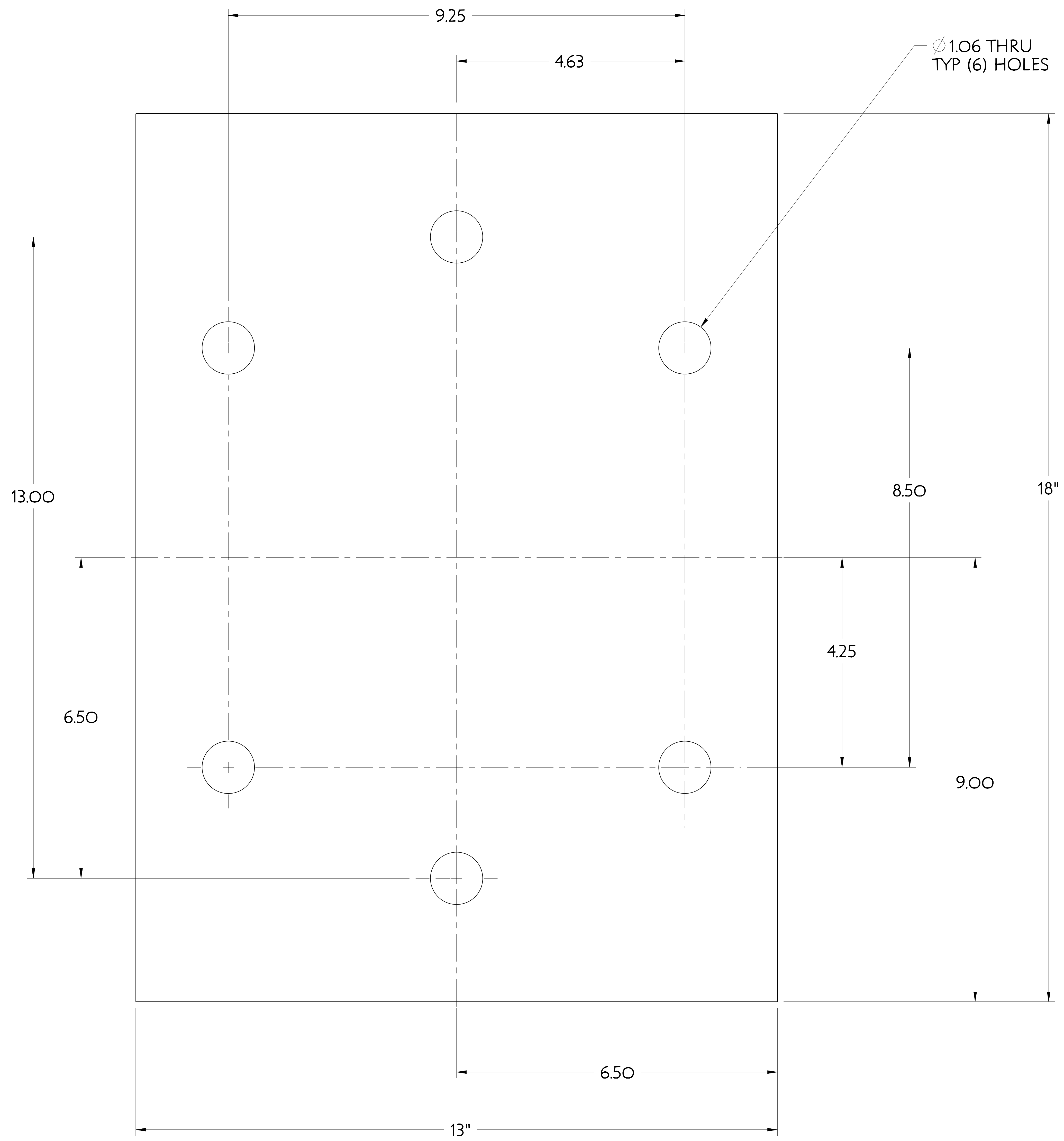
RELEASE LEVEL: WIP
DWG VERSION NO: 6

WEIGHT
43.5 lbs
MODEL NAME
SE172-243-2
WELDING
ENGINEER

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	STELLARATOR CORE BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .X ±.010 0°-120° ±.010 .XX ±.030 12°-120° ±.010 .XXX ±.005 12°-120° ±.010 ANGULAR ±.0°-15° OVER 120° ±.010	DSN: L. MORRIS	DRAWING NO: SE172-243
		CHK: ENGR: F. DAHLGREN	SHEET 5 OF 6 REV 0.4

NCSX-SE172-243

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



3 REQUIRED

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

5 OUTER SUPPORT PEDESTAL BOTTOM PLATE

RELEASE LEVEL: WIP
DWG VERSION NO: 0

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
	UNLESS OTHERWISE SPECIFIED	STELLARATOR CORE BASE SUPPORT STRUCTURE OUTER SUPPORT PEDESTAL WELDMENT - C TO C JOINT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED	BREAK SHARP EDGES .005/.020	DSN: L. MORRIS
NEXT ASSEMBLY	TOLERANCES - NON-CUMULATIVE	DECIMAL - INCH FRACTIONS	CHK: ENGR: F. DAHLGREN
WEIGHT 98.2 lbs	MODEL NAME SE172-243-4	.XX +/- .005 ANGULAR +/- .05	DRAWING NO: SE172-243
WELDING ENGINEER			SHEET 6 OF 6 REV 0.4

NCSX-SE172-243