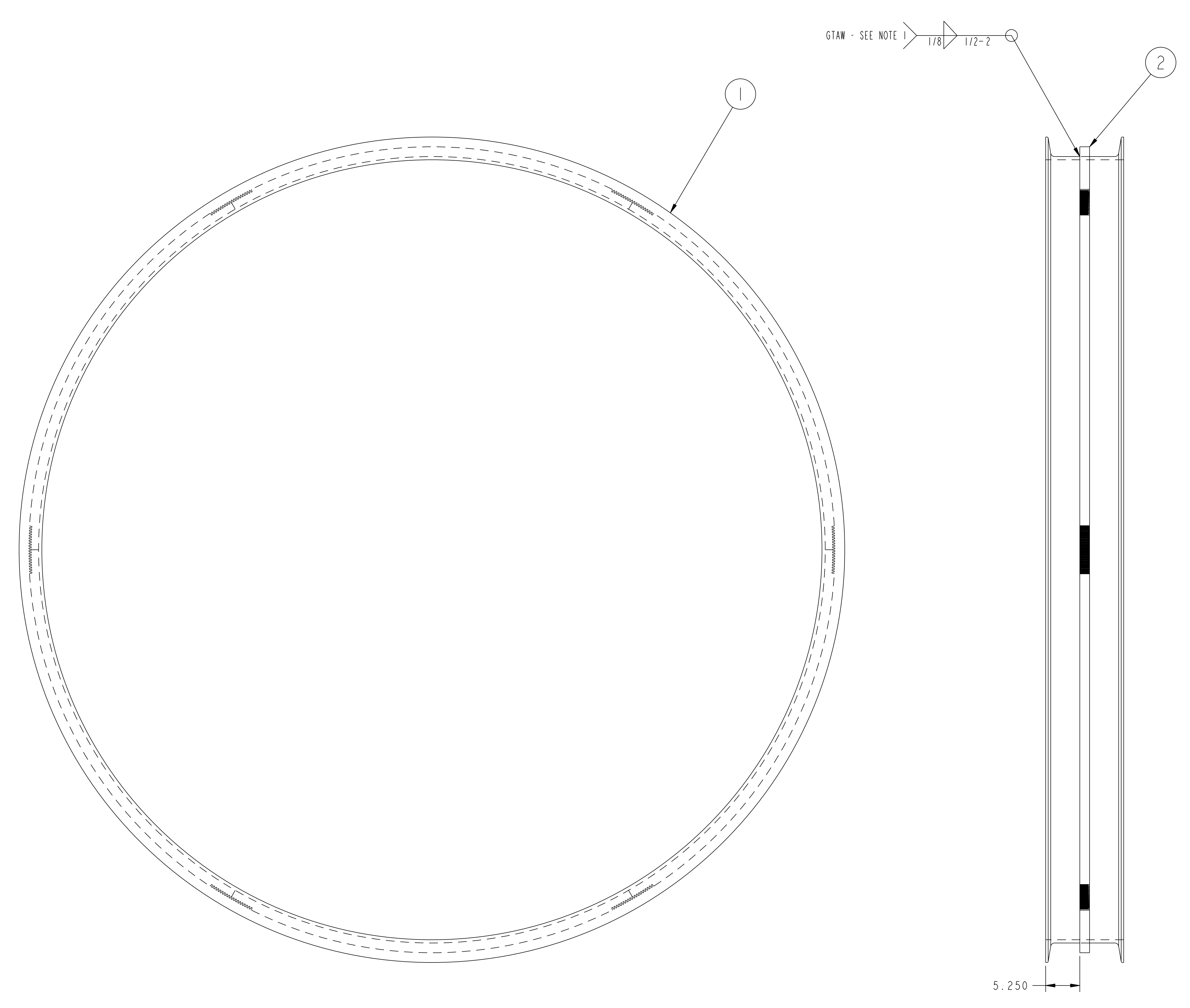


NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**NOTES**

1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.

6	2	SE144-015	ROLLED RACK GEAR	SEE DWG	18
1	1	SE144-013	ROLLED OUTER SUPPORT CHANNEL	SEE DWG	3
<del>3</del>	<del>1</del>	<del>THIS DWG</del>	<del>ROLLED SUPPORT CHANNEL WELDMENT</del>	<del> </del>	<del>3</del>
<b>Q1</b>	<b>PART</b>	<b>DRAWING NO.</b>	<b>NOMENCLATURE</b>	<b>MATERIAL</b>	<b>QTY</b>
<b>ASSY</b>	<b>NO.</b>		<b>OR DESCRIPTION</b>		<b>RECD</b>

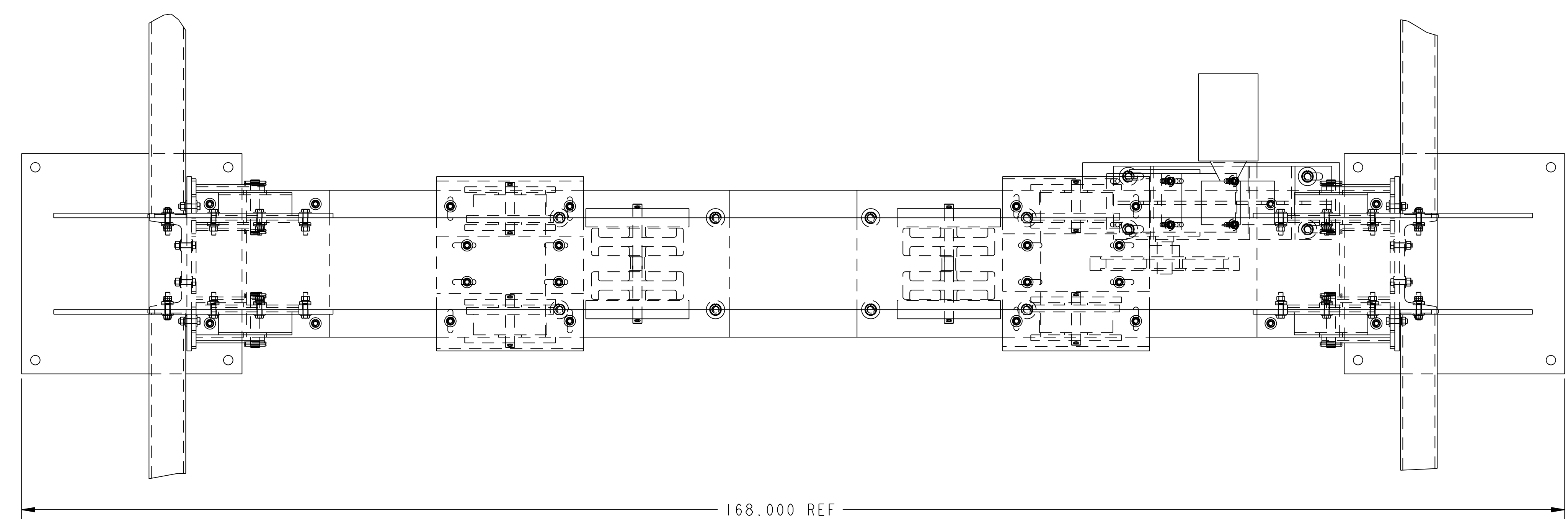
**PARTS LIST**

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY			
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>			
SCALE: 1/8	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:		
NEXT ASSEMBLY	DECIMAL - INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	<b>SE144-007</b>		
WEIGHT 1295.4 lbs	MODEL NAME SE144-007	WELDING ENGINEER	SUPV:	SHEET 1 OF 1	REV 0

**RELEASE LEVEL: WIP**  
**DWG VERSION NO:**

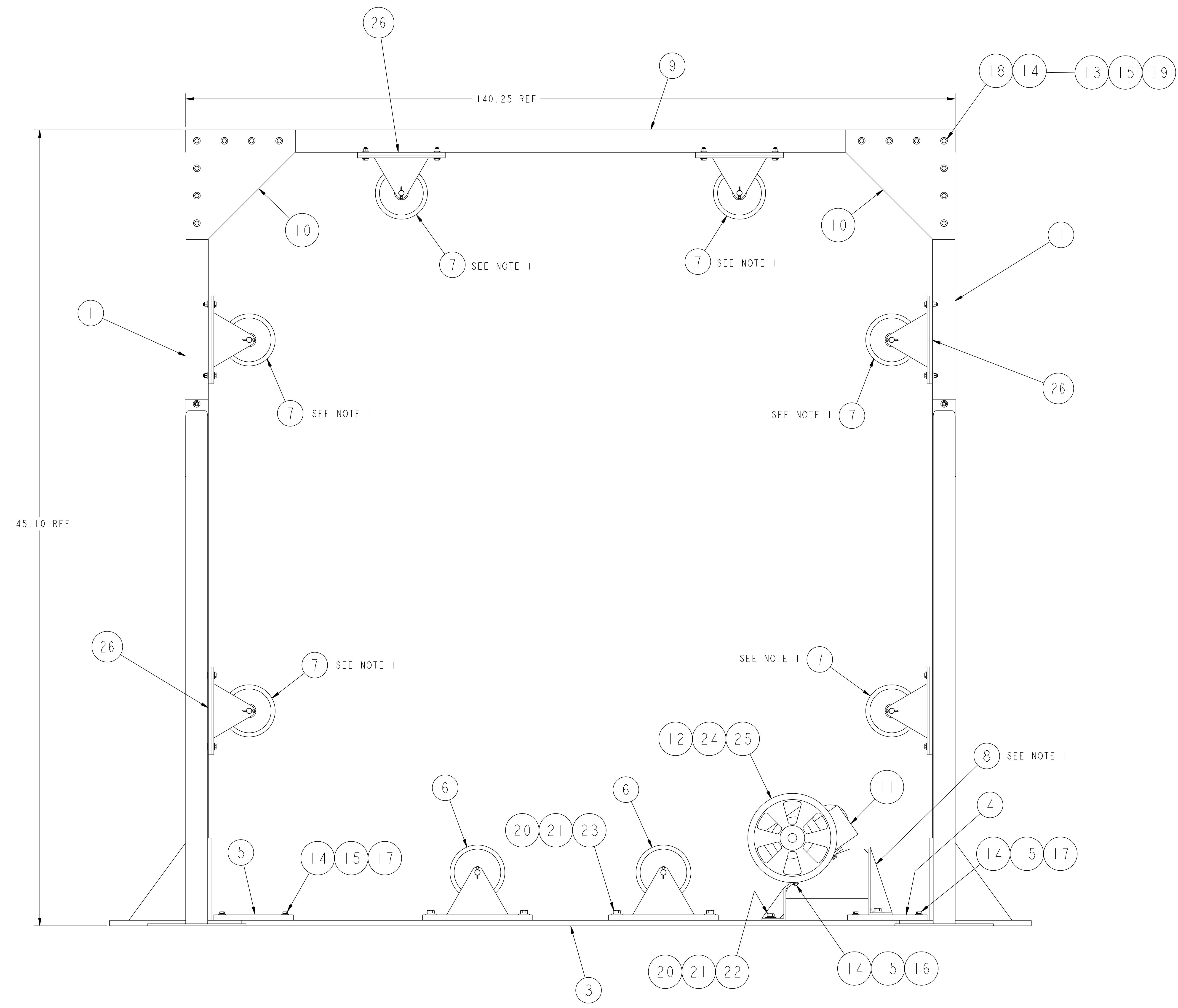
NCSX-SE144-007

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**NOTES**

1. FINAL POSITION OF THESE PARTS TO BE DETERMINED AT NEXT ASSEMBLY.



QTY	PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
6	26	SE144-017	RETAINING WHEEL ASSEMBLY BASE PLATE	SEE DWG	18
1	25	150939	1/4-20 UNC x 1/4 LG HEX SOCKET SET SCR, CUP POINT	304 S/S	3
1	24	COMM	3/8 SQ. KEY x 2 1/4 LG	304 S/S	3
8	23	150154	3/4-10 UNC x 2 LG HEX HEAD BOLT	C'STL - ZN PLT	24
4	22	NS150162	3/4-10 UNC x 1 1/2 LG HEX HEAD BOLT	C'STL - ZN PLT	12
12	21	151370	3/4 SPLIT LOCK WASHER	C'STL - ZN PLT	36
12	20	151353	3/4 FLAT WASHER	C'STL - ZN PLT	36
92	19	150289	1/2-13 UNC-2B HEX NUT	C'STL - ZN PLT	276
28	18	150142	1/2-13 UNC x 2 1/2 LG HEX HEAD BOLT	C'STL - ZN PLT	84
72	17	150141	1/2-13 UNC x 2 LG HEX HEAD BOLT	C'STL - ZN PLT	216
4	16	150138	1/2-13 UNC x 1 1/4 LG HEX HEAD BOLT	C'STL - ZN PLT	12
104	15	151367	1/2 SPLIT LOCK WASHER	C'STL - ZN PLT	312
164	14	151351	1/2 FLAT WASHER	C'STL - ZN PLT	492
36	13	NS151360	SQUARE BEVEL WASHER - 1/2 NOM	MALL. IRON	108
1	12	COMM	SPUR GEAR - 8 PITCH, 128 TEETH, 20° P.A., Ø1.625 BORE	CAST IRON	3
1	11	COMM	DOUBLE REDUCTION FLANGED REDUCER BOSTON GEAR #RFWA738-400 OR EQUAL	---	3
4	10	SE144-014-2	SUPPORT FRAME GUSSET	SEE DWG	12
1	9	SE144-014-1	HORIZONTAL CHANNEL - MC10" x 33.6#	SEE DWG	3
1	8	SE144-012	DRIVE MOTOR SUPPORT STAND WELDMENT	SEE DWG	3
6	7	SE144-010-02	RETAINING WHEEL ASSEMBLY	SEE DWG	18
2	6	SE144-010-01	MAIN SUPPORT WHEEL ASSEMBLY	SEE DWG	6
1	5	SE144-009-8	SPLICE PLATE	SEE DWG	3
1	4	SE144-009-04	SPLICE PLATE WELDMENT	SEE DWG	3
1	3	SE144-009-03	MAIN BASE PLATE WELDMENT	SEE DWG	3
2	2	SE144-009-02	OUTRIGGER WELDMENT	SEE DWG	6
2	1	SE144-009-01	UPRIGHT WELDMENT	SEE DWG	6
1	01	THIS DWG	WINDING SUPPORT FRAME ASSEMBLY	---	3

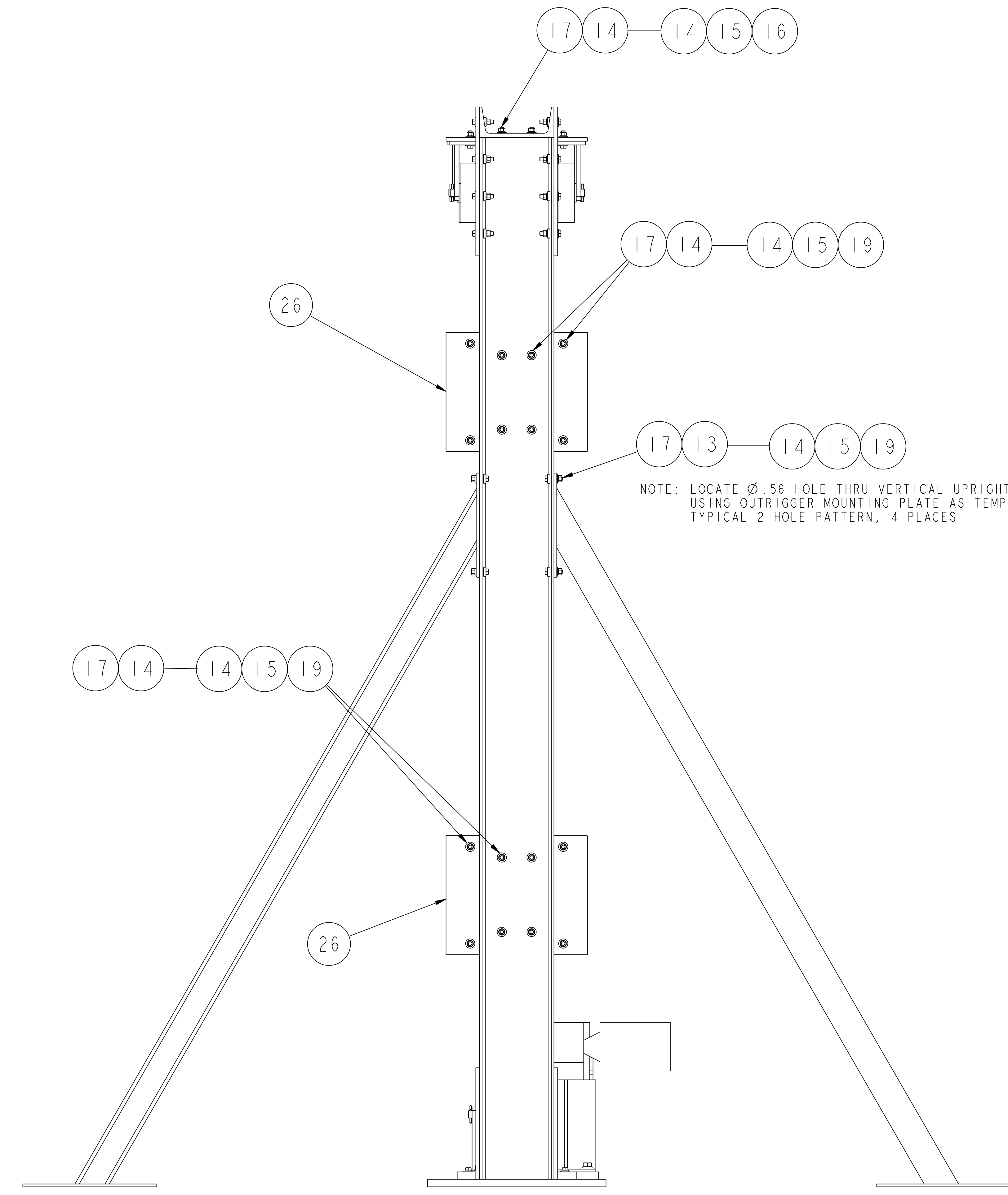
**PARTS LIST**

COMPUTER GENERATED DRAWING CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED	NATIONAL COMPACT STELLARATOR EXPERIMENT	
PRO E	BREAK SHARP EDGES .005/.020	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME WINDING SUPPORT FRAME ASSEMBLY	
WEIGHT	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
4355.9 lbs	DECIMAL-INCH FRACTIONS	CHK: ENGR. S. RAFTOPOULOS	SE144-008
MODEL NAME	NEXT ASSEMBLY	SUPV:	SHEET 1 OF 2
SE144-008	WELDING ENGINEER		REV 0

**RELEASE LEVEL: WIP**  
**DWG VERSION NO:**

NCSX-SE144-008

NO.	REVISION	BY	CH	SUP	APPROVED	DATE

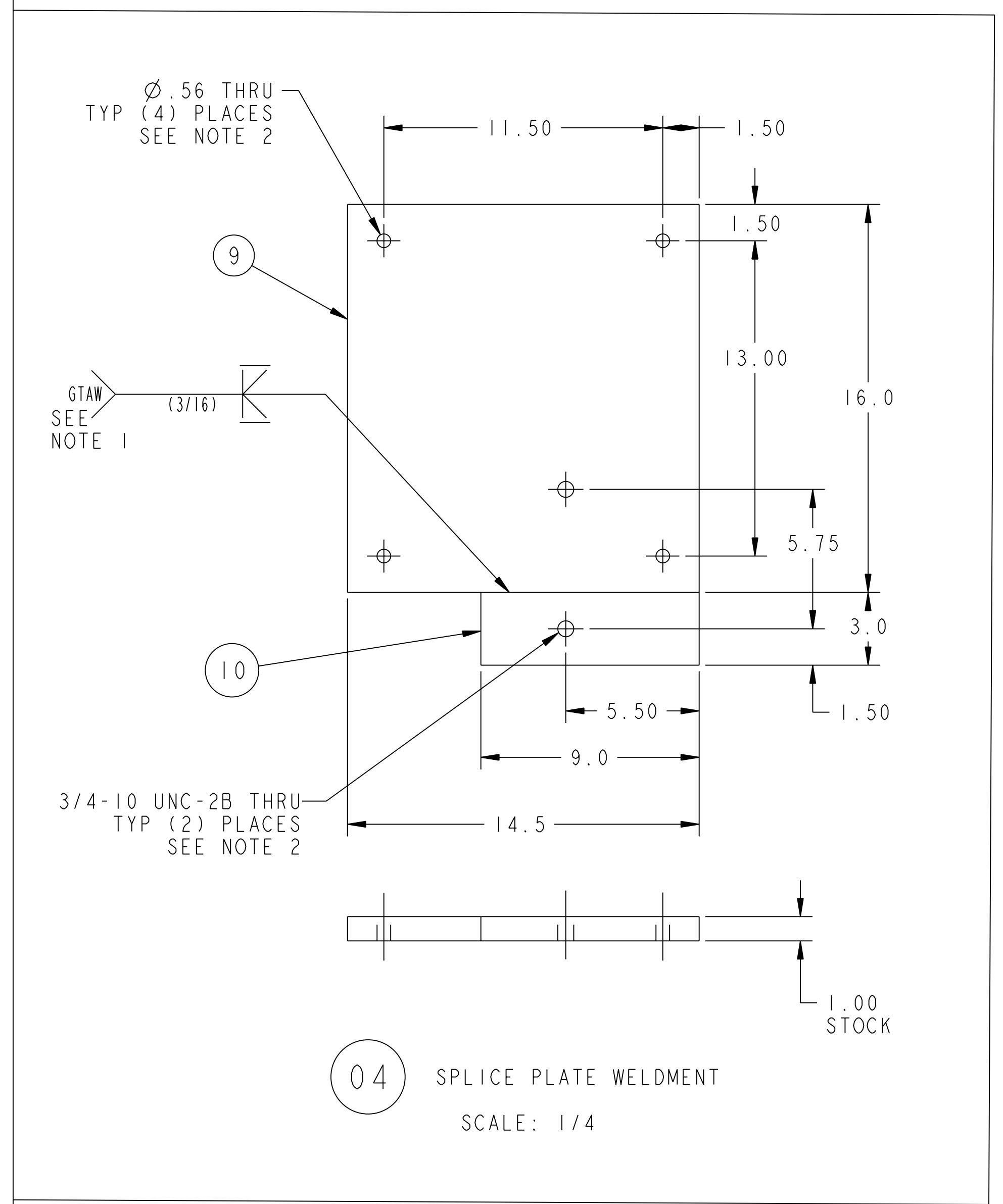
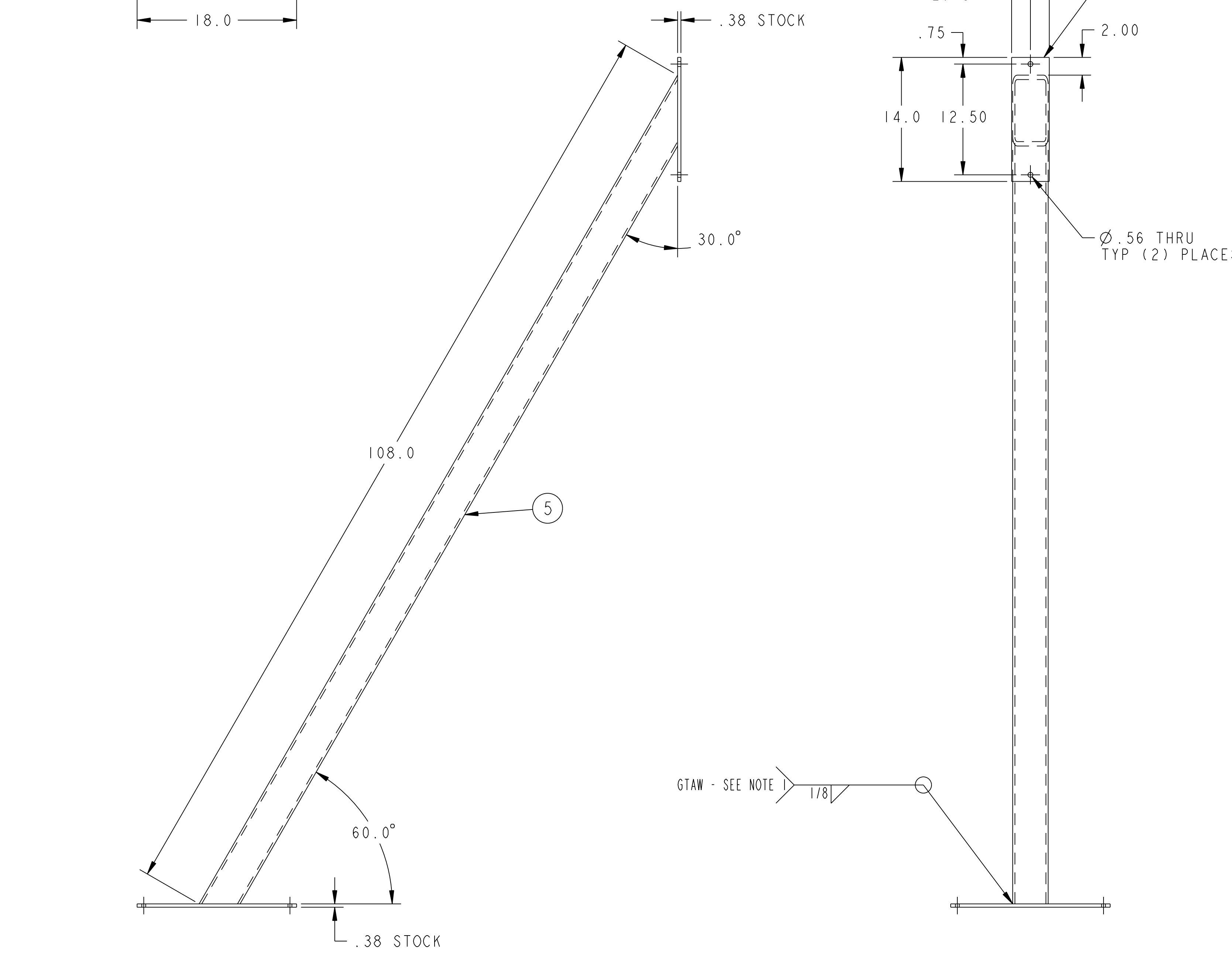
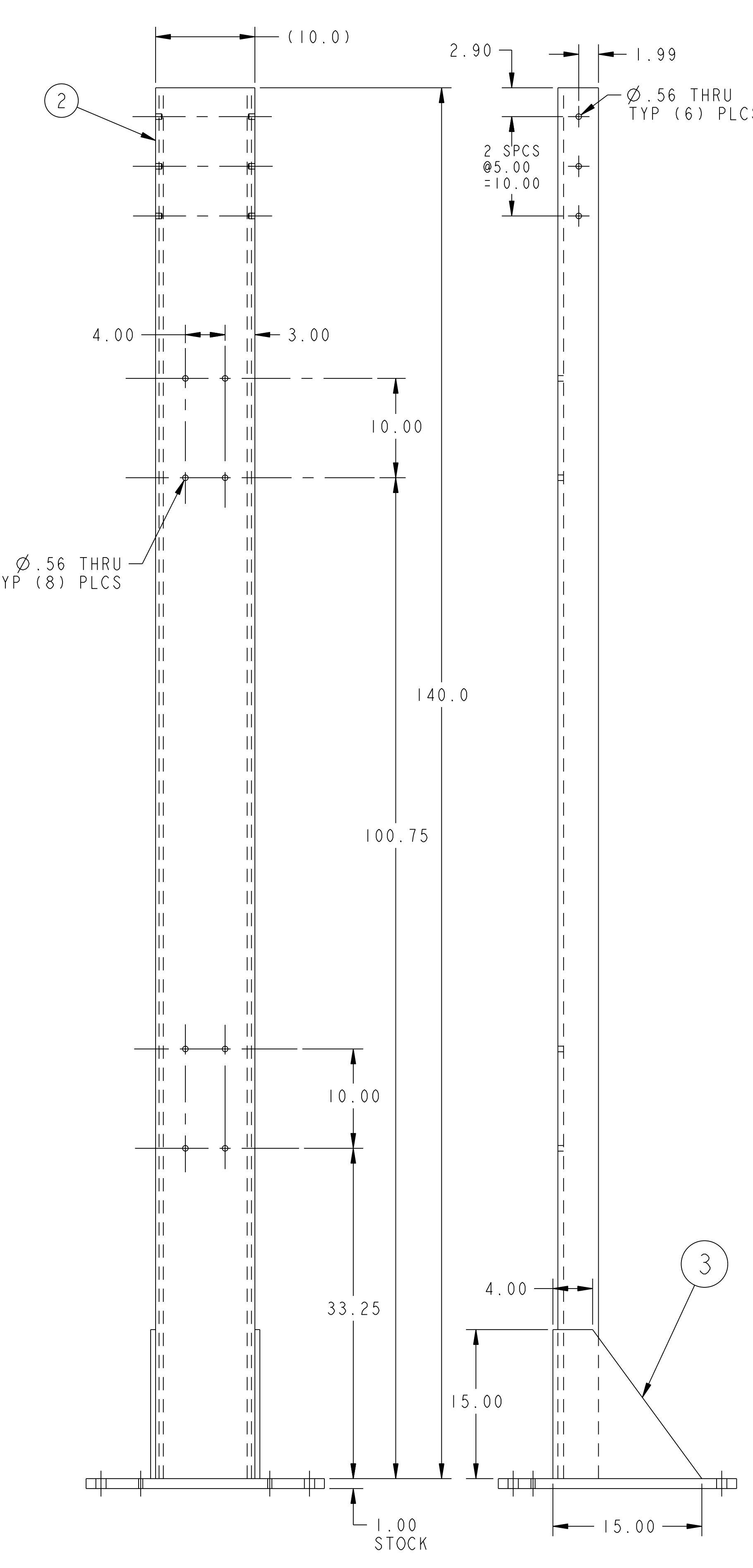
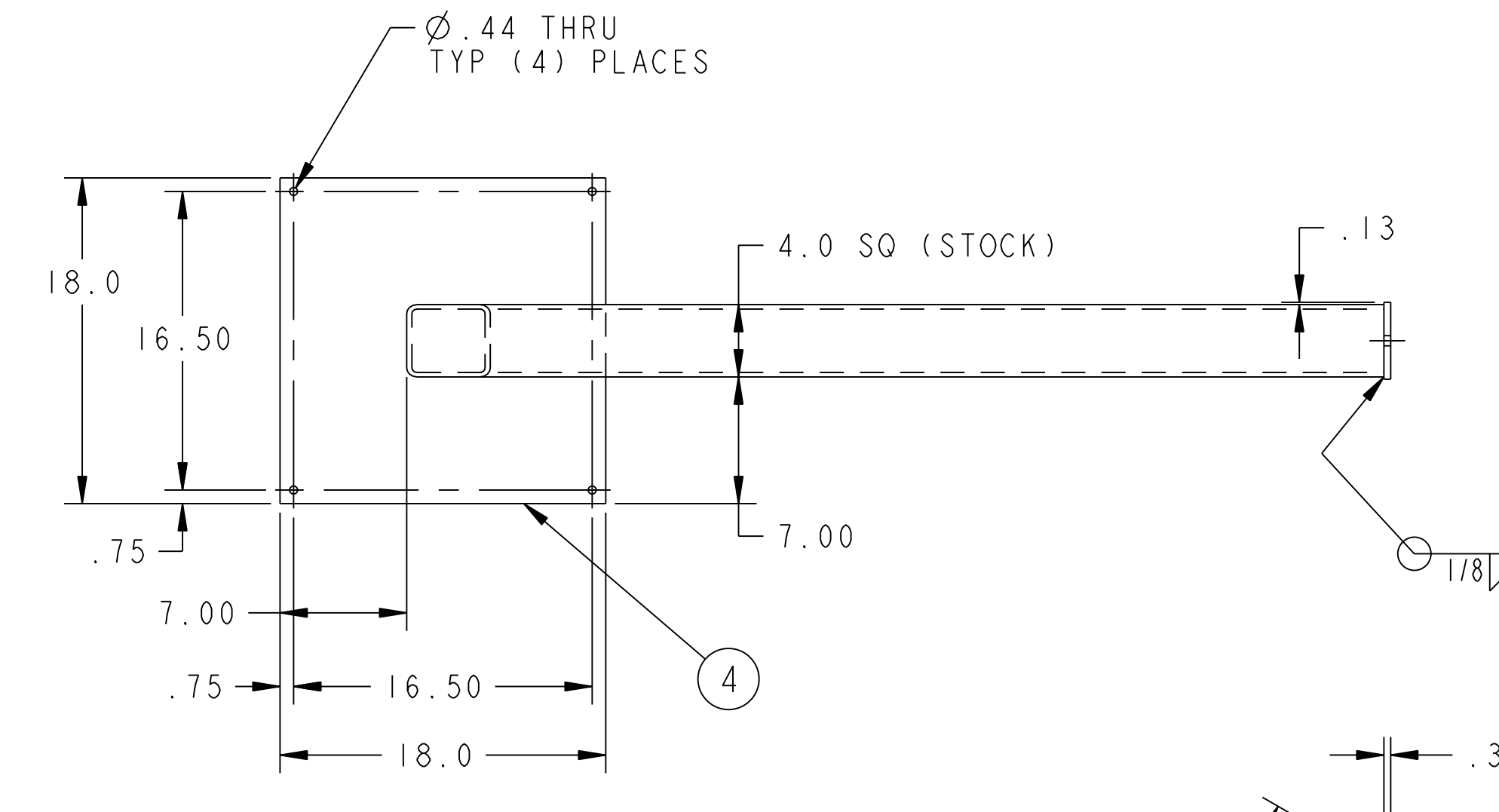
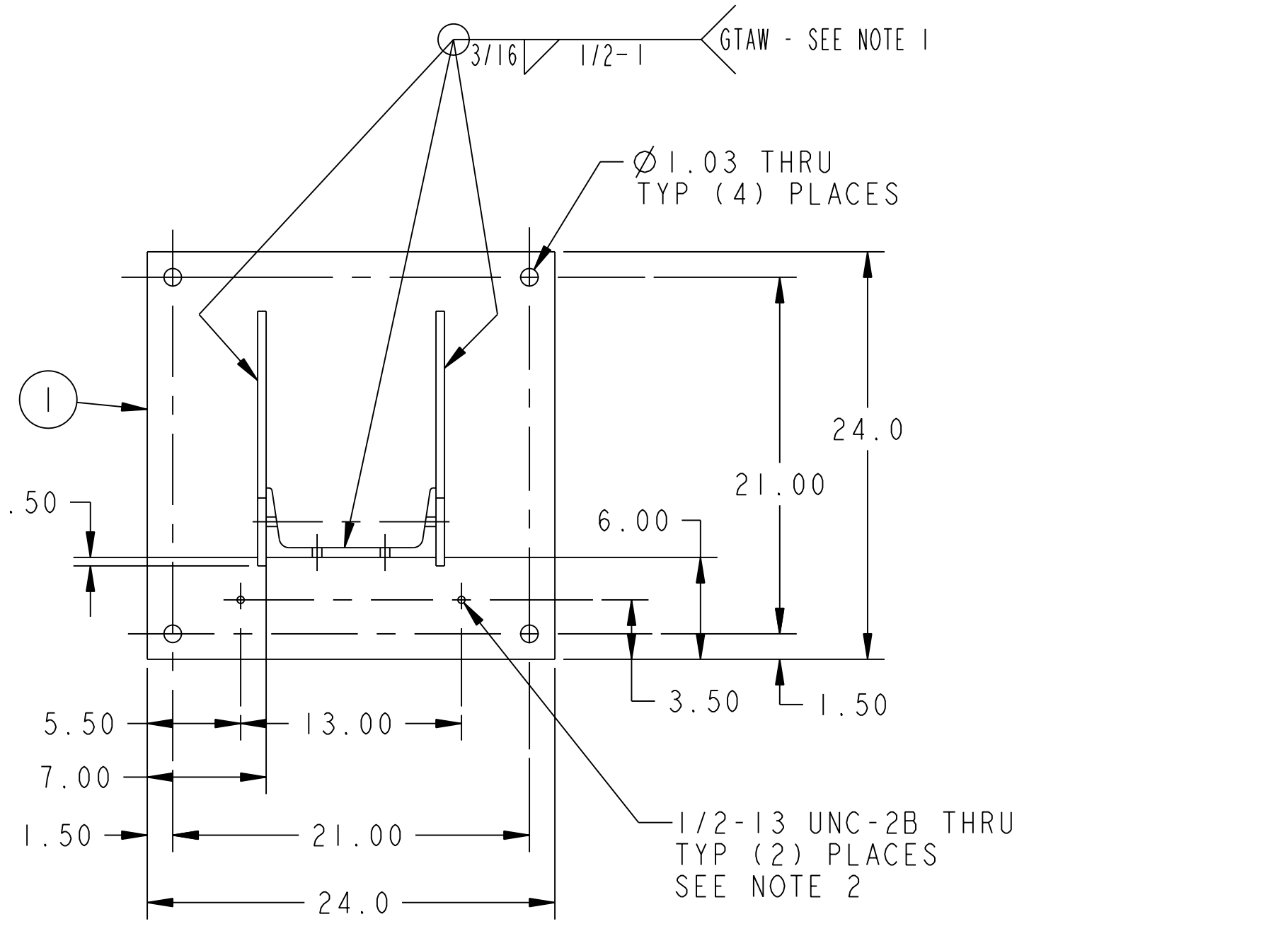


FOR NOTES AND B/M SEE SHEET 1

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
	UNLESS OTHERWISE SPECIFIED	<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME	
NEXT ASSEMBLY	BREAK SHARP EDGES .005/.020	WINDING SUPPORT FRAME ASSEMBLY - RIGHT SIDE VIEW	
	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
WELDING ENGINEER	DECIMAL-INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	<b>SE144-008</b>
	.XX +/- .030 .XXX +/- .005 ANGULAR +/- .0°-15'	ENGR: S. RAFTOPOULOS	SUPV:
WEIGHT 4355.9 lbs	MODEL NAME SE144-008	SHEET 2 OF 2	REV 0

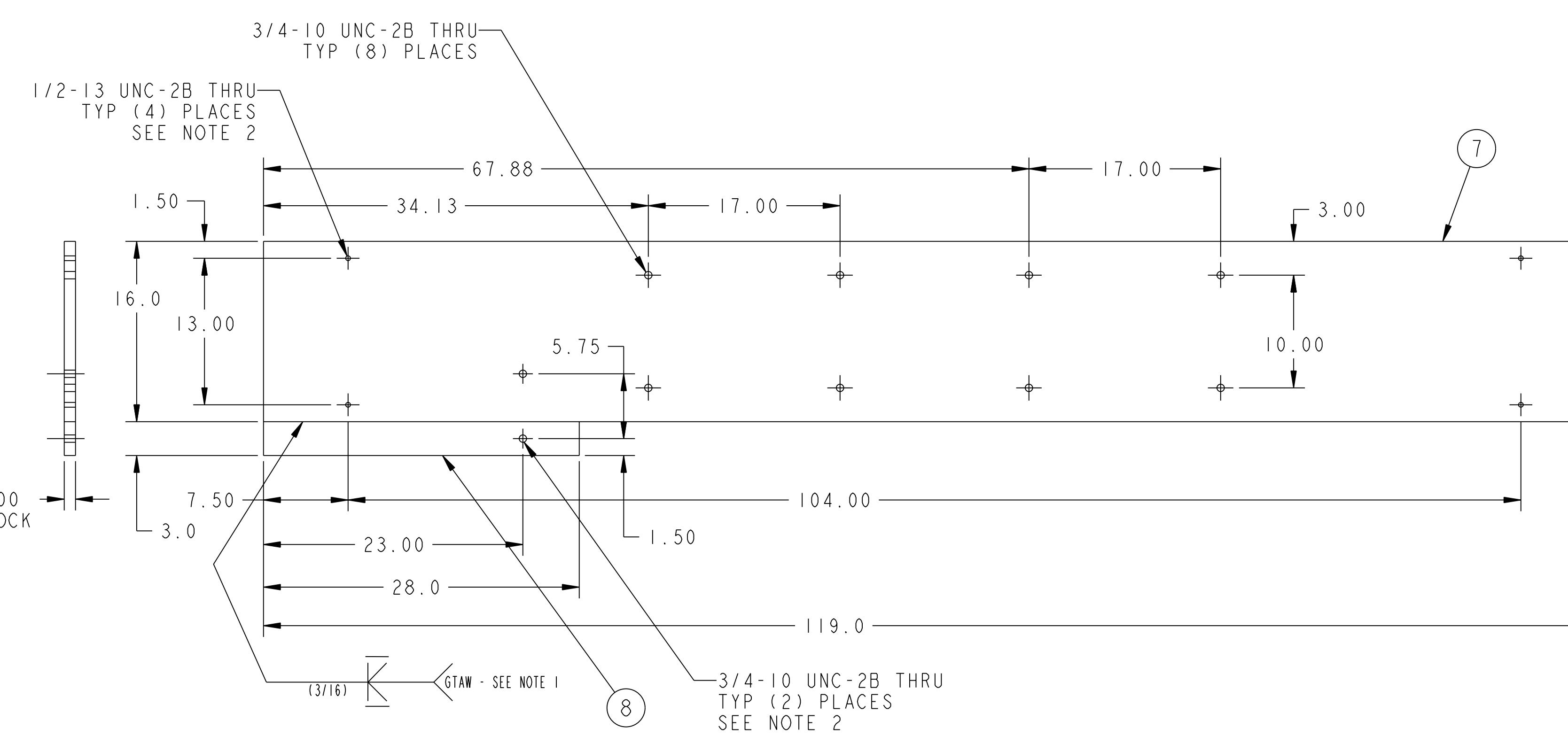
RELEASE LEVEL: WIP  
DWG VERSION NO:

NCSX-SE144-008



**NOTES**

1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE EM-002. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.
2. HOLES AS NOTED TO BE MACHINED AFTER ALL WELDING IS PERFORMED.



01 UPRIGHT WELDMENT

02 OUTRIGGER WELDMENT

03 MAIN BASE PLATE WELDMENT

REV	NO.	DESCRIPTION	MATERIAL	QTY REQD
	10	THIS DWG	SPLICE PLATE EXTENSION	ASTM A36 3
	9	THIS DWG	SPLICE PLATE	ASTM A36 3
	8	THIS DWG	MAIN BASE PLATE EXTENSION	ASTM A36 3
	7	THIS DWG	MAIN BASE PLATE	ASTM A36 3
	6	THIS DWG	OUTRIGGER MOUNTING PLATE	ASTM A36 12
	5	THIS DWG	OUTRIGGER SQUARE TUBE - 4" SQUARE TUBE x 1/4" WALL	ASTM A500 12
	4	THIS DWG	OUTRIGGER BASE PLATE	ASTM A36 12
	3	THIS DWG	GUSSET	ASTM A36 12
	2	THIS DWG	UPRIGHT CHANNEL - MC10" x 33.6#	ASTM A36 6
	1	THIS DWG	BASE PLATE	ASTM A36 6
		THIS DWG	SPLICE PLATE WELDMENT	3
		THIS DWG	MAIN BASE PLATE WELDMENT	3
		THIS DWG	OUTRIGGER WELDMENT	12
		THIS DWG	UPRIGHT WELDMENT	6

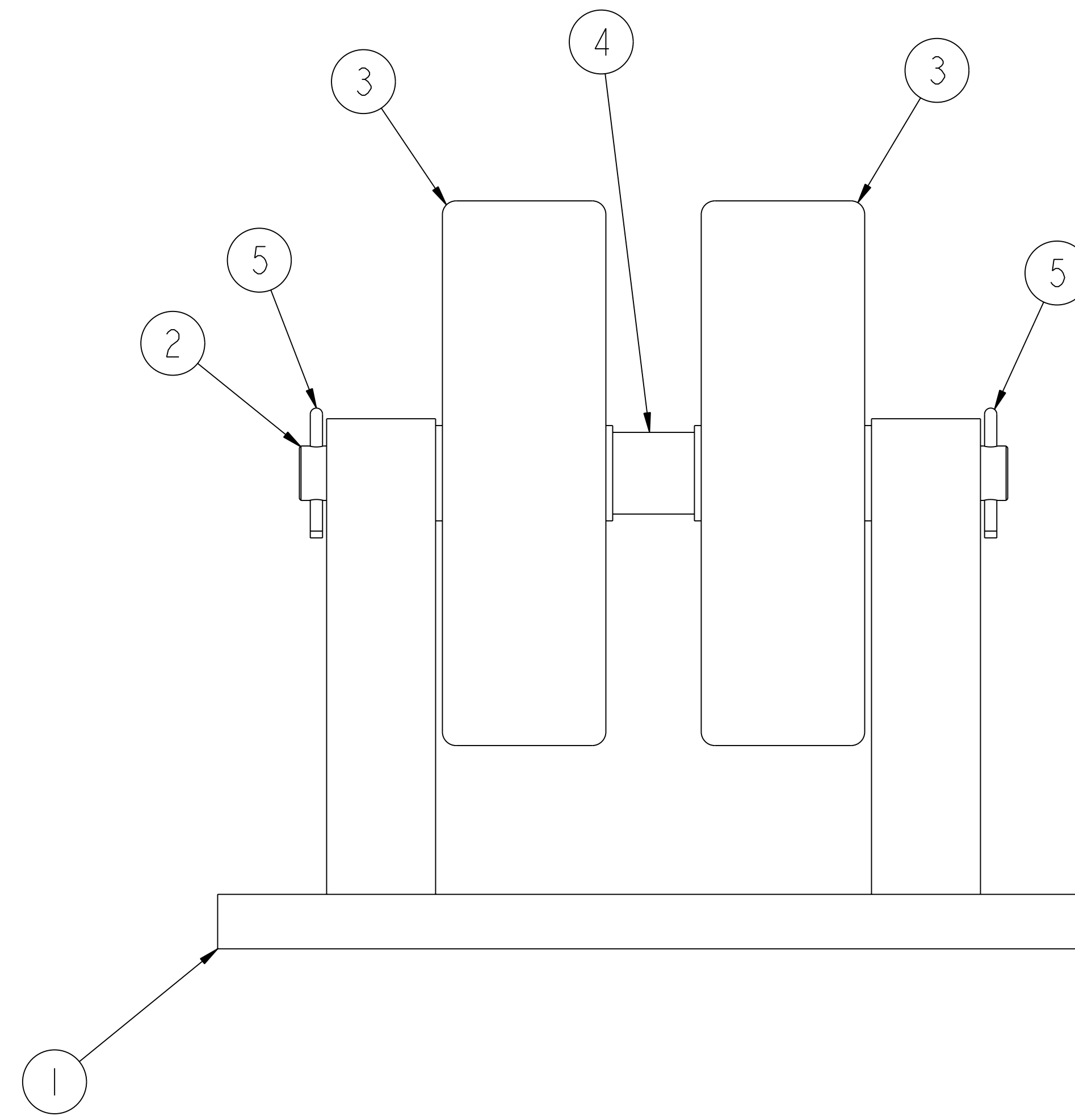
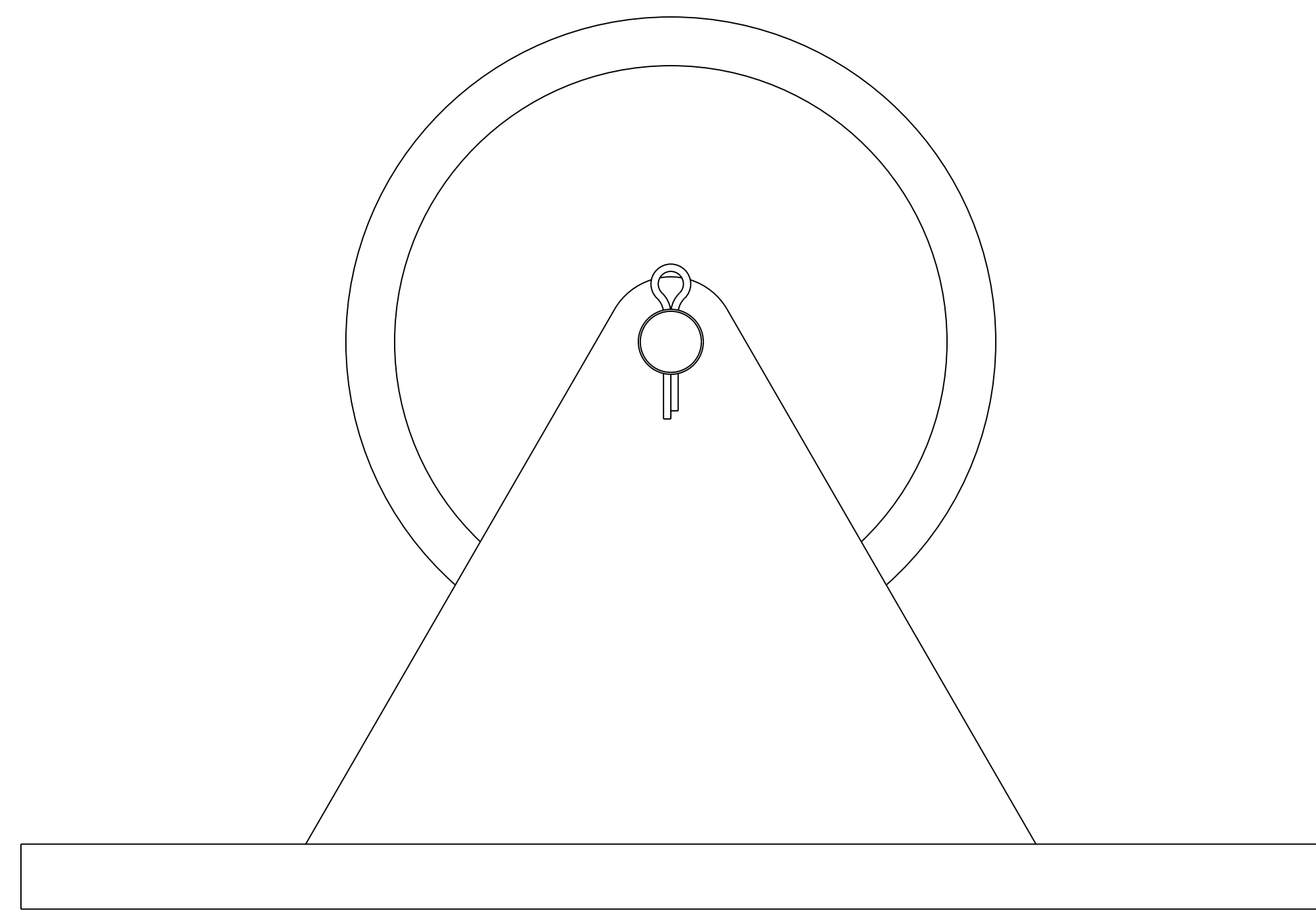
**PARTS LIST**

WEIGHT 554.2 lbs	MODEL NAME SEI44-009	COMPUTER GENERATED DRAWING CHANGES NOT PERMITTED UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED BREAK SHARP EDGES .005/.020 TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS XX +/- .000 0"-12" +/- .010 XXX +/- .005 12"-120" +/- .010 ANGULAR +/- .05 OVER 120" +/- .10	CENTRAL FILES: PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b> MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME WELDMENTS AND DETAILS DSN: L. MORRIS ENGR: S. RAFTOPOULOS SUPV:	DRAWING NO: <b>SEI44-009</b> SHEET 1 OF 1 REV 0
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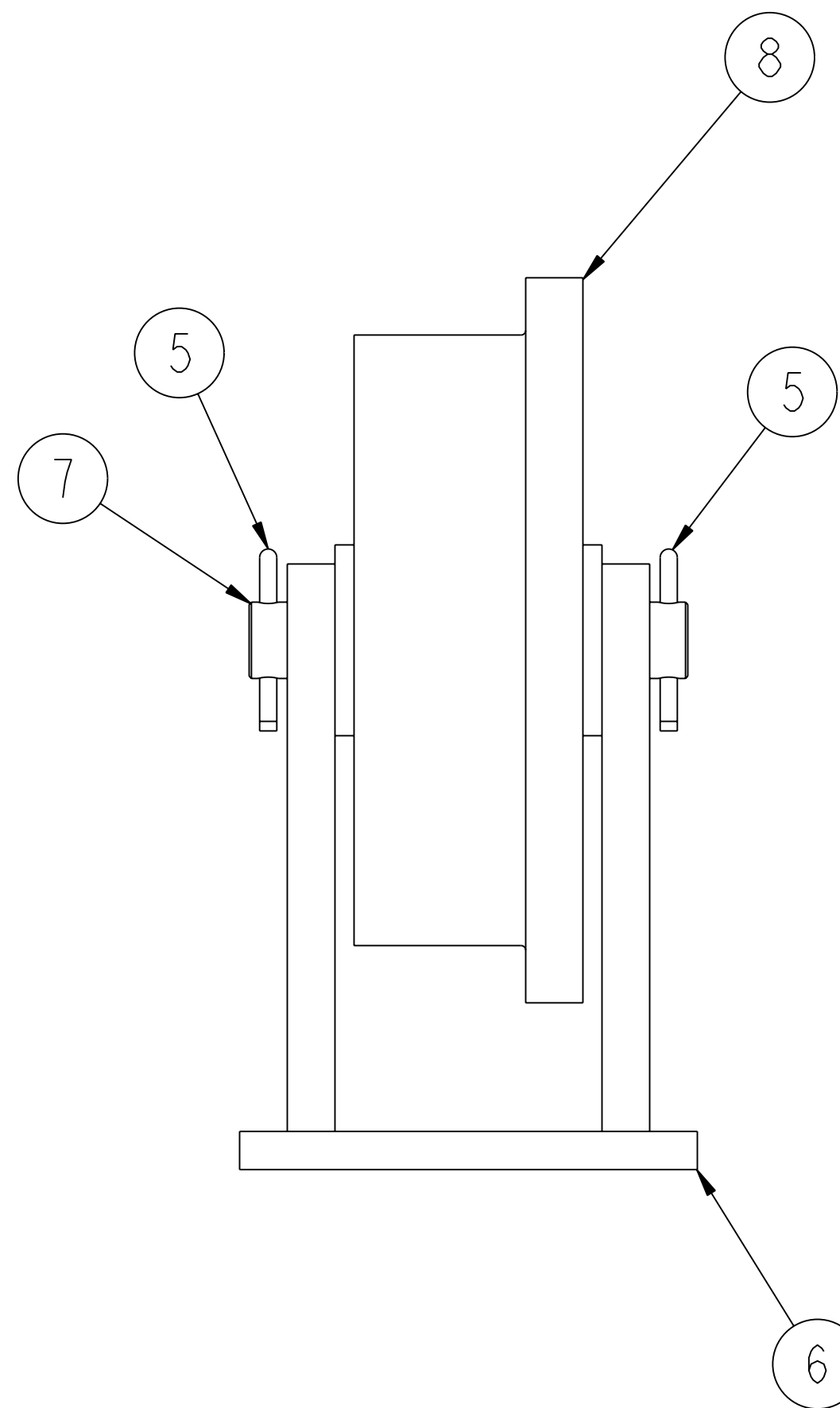
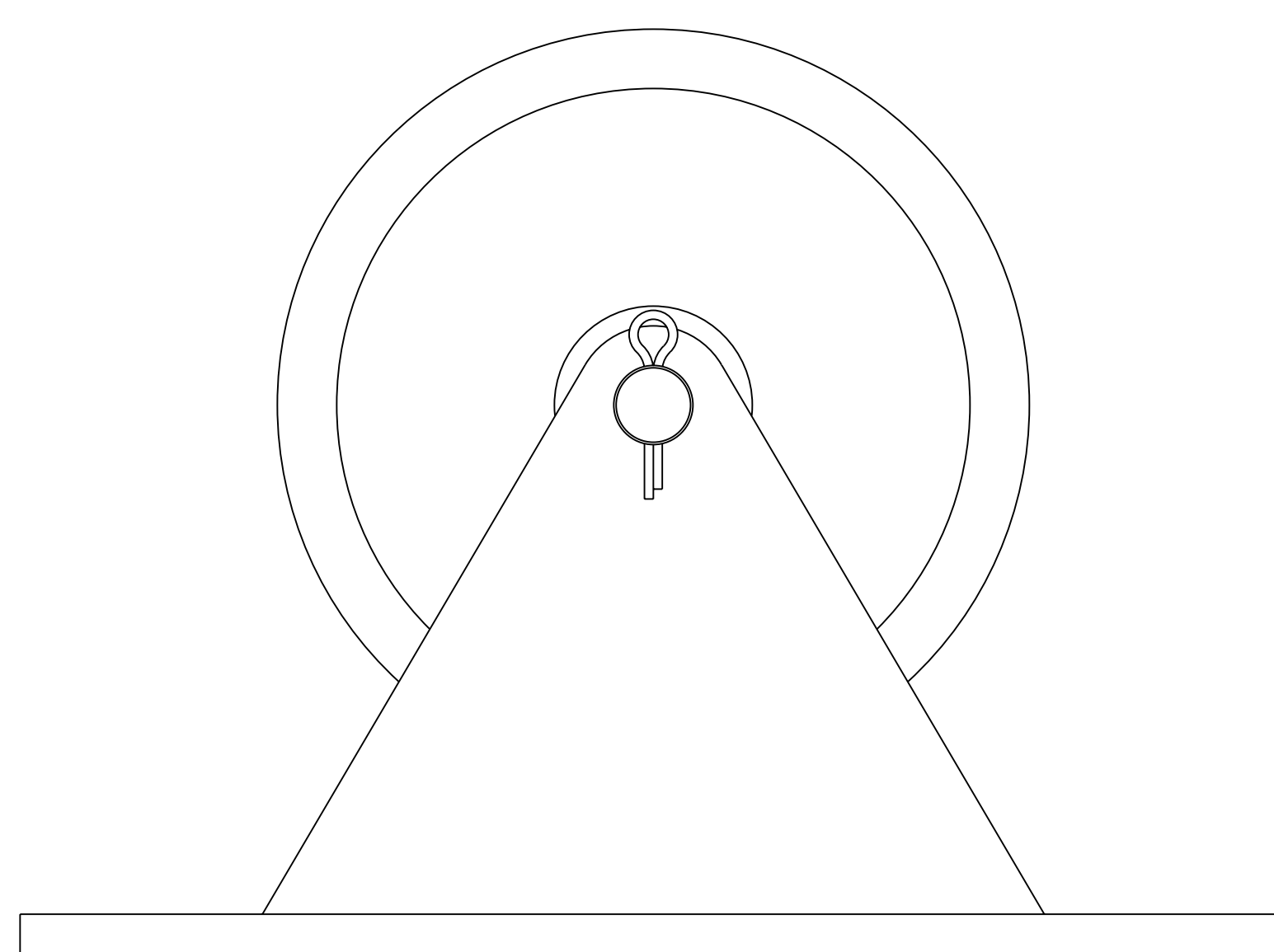
RELEASE LEVEL:  
DWG VERSION NO:

NCSX-SEI44-009

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



01 MAIN SUPPORT WHEEL ASSEMBLY



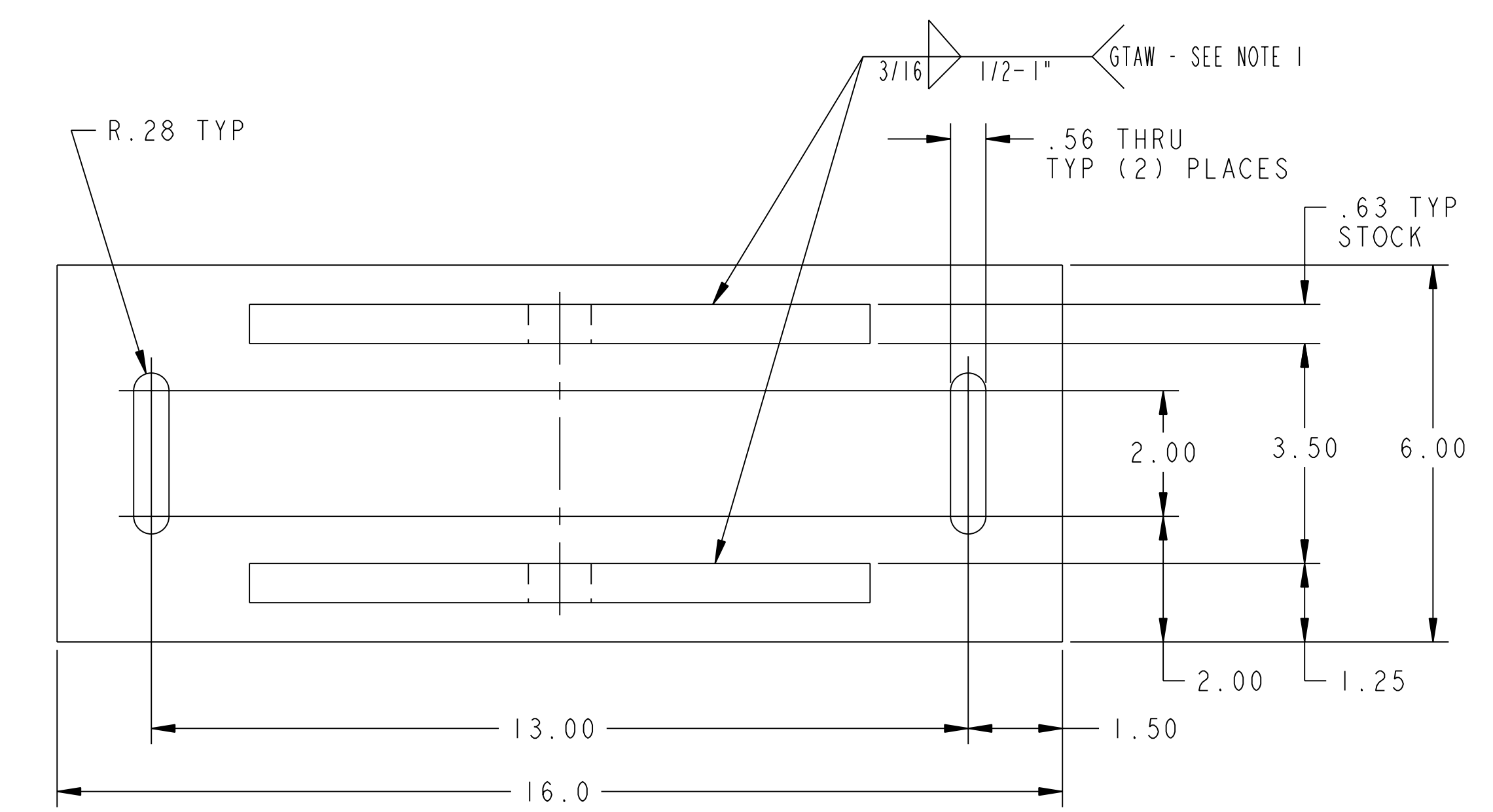
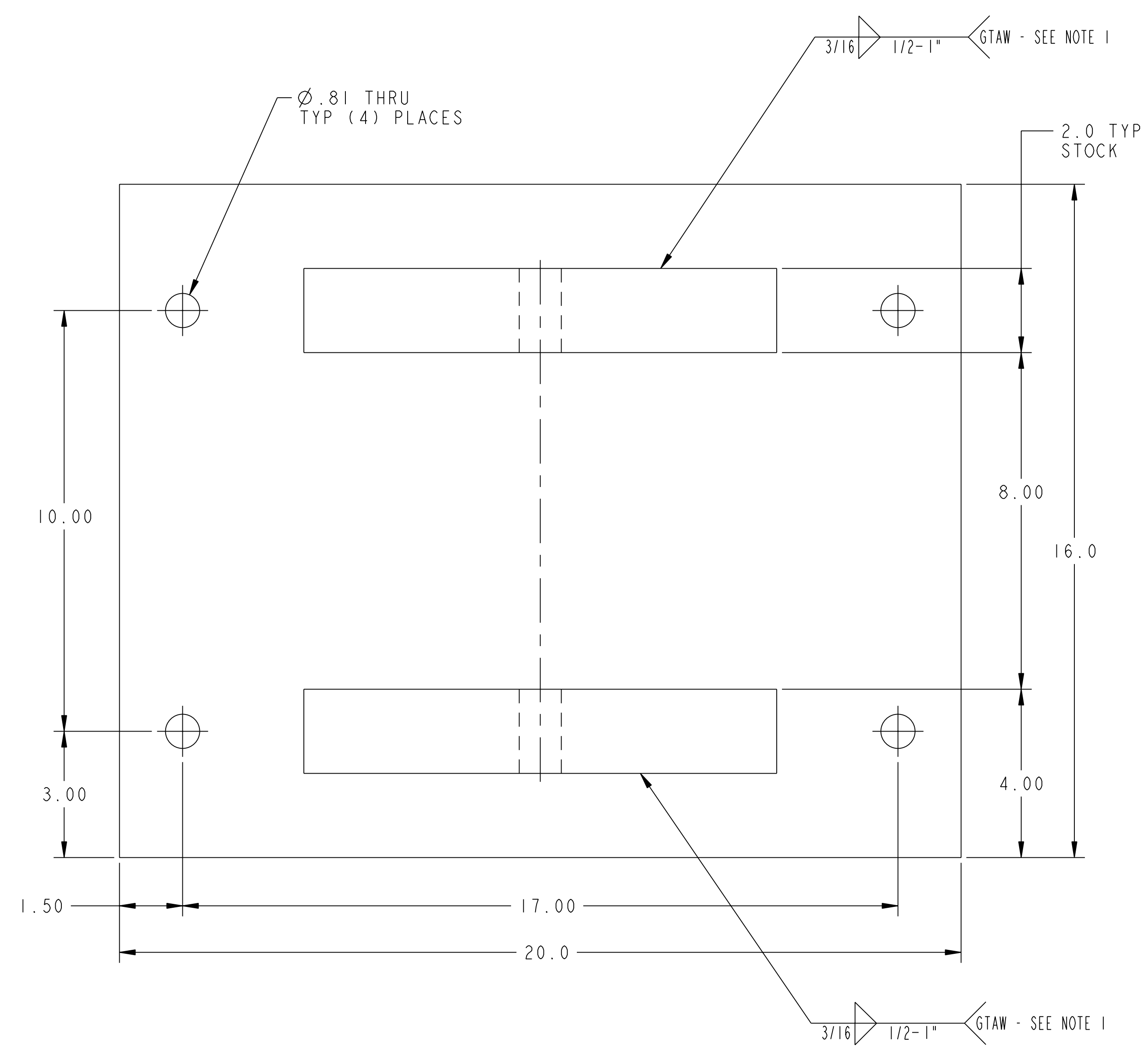
02 RETAINING WHEEL ASSEMBLY

QTY	ASSY NO.	PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REQD
1	8	COMM		SINGLE FLANGED TRACK WHEEL - Ø8" x 2 1/4" WIDE (FLANGE Ø9 1/2") 3000# CAP. McMASTER-CARR OR EQ.		36
1	7	SE144-014-4		RETAINING WHEEL AXLE	SEE DWG	36
1	6	SE144-011-02		VERTICAL WHEEL BRACKET WELDMENT	SEE DWG	36
2	2	5	COMM	COTTER PIN - Ø1/4 x 1 1/2" LG	304 S/S	66
1	4	SE144-014-5		SUPPORT WHEEL SPACER	SEE DWG	6
2	3	COMM		PHENOLIC WHEEL - Ø10" x 3" WIDE (2600# CAP.) McMASTER-CARR OR EQ.		12
1	2	SE144-014-3		SUPPORT WHEEL AXLE	SEE DWG	6
1	1	SE144-011-01		HORIZONTAL WHEEL BRACKET WELDMENT	SEE DWG	6
			THIS DWG	RETAINING WHEEL ASSEMBLY		36
			THIS DWG	MAIN SUPPORT WHEEL ASSEMBLY		6

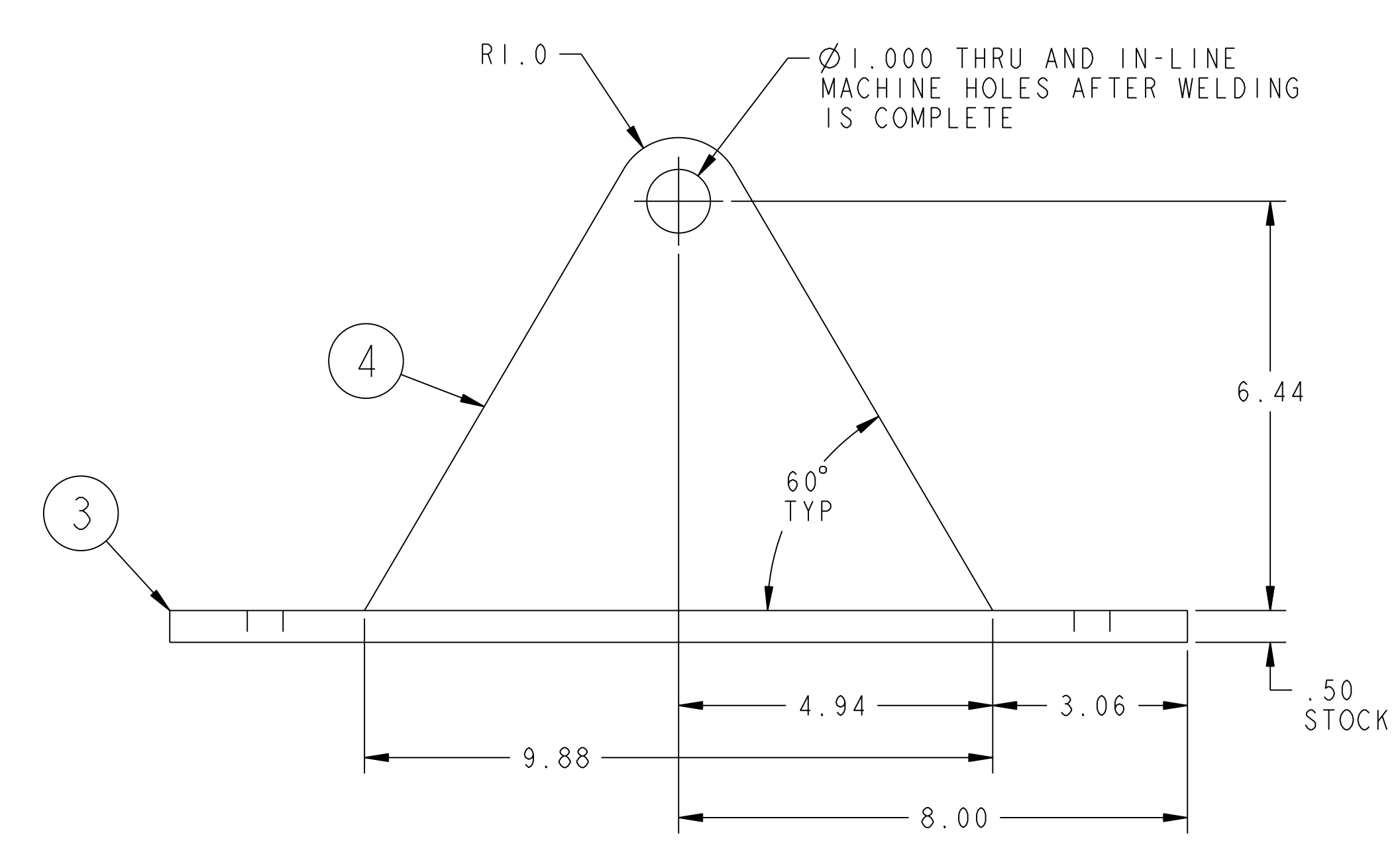
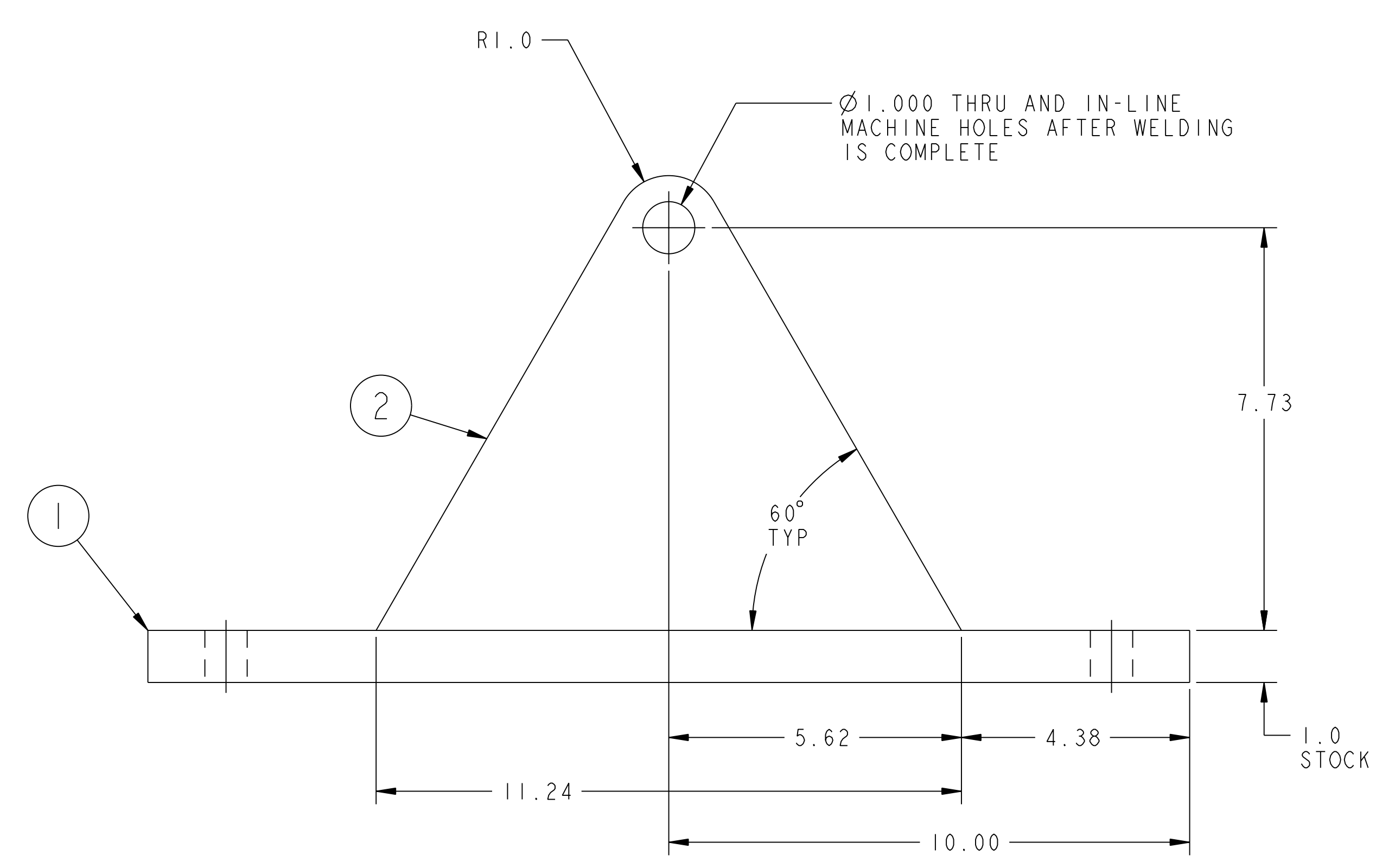
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED		CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
Pro E		DIMENSIONS ARE IN INCHES MACHINE SURFACES	NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING		BREAK SHARP EDGES .005/.020	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME WHEEL ASSEMBLIES	
WEIGHT 93.2 lbs	SCALE: 1/2	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO: SE144-010
MODEL NAME SE144-010	NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	SHEET 1 OF 1
RELEASE LEVEL: WIP DWG VERSION NO:	WELDING ENGINEER	.XX +/- .000 .XXX +/- .005 ANGULAR +/- .0°-15'	SUPV:	REV 0

NCSX-SE144-010

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**NOTES**  
 1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE EM-002. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.



01 HORIZONTAL WHEEL BRACKET WELDMENT

02 VERTICAL WHEEL BRACKET WELDMENT

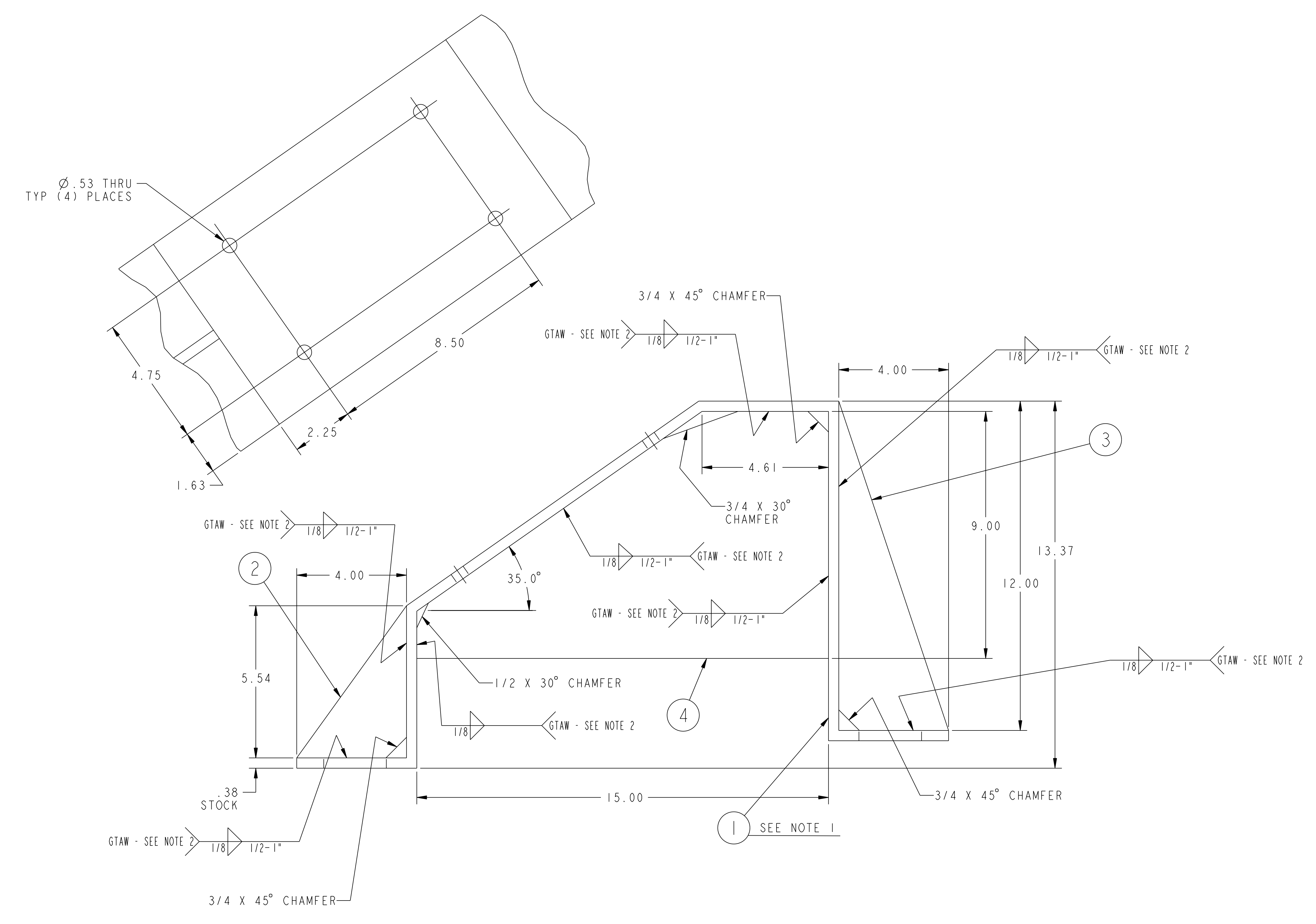
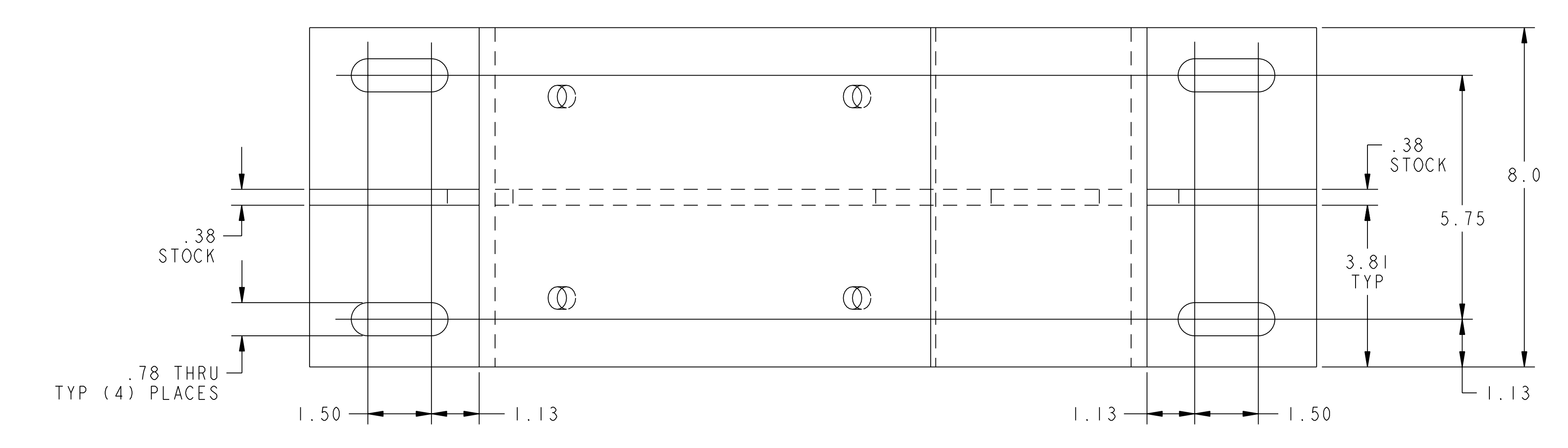
QTY	ASSY	PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
2		4	THIS DWG	AXLE SUPPORT PLATE	ASTM A36	72
1		3	THIS DWG	BASE PLATE	ASTM A36	36
		2	THIS DWG	AXLE SUPPORT PLATE	ASTM A36	12
		1	THIS DWG	BASE PLATE	ASTM A36	6
			THIS DWG	VERTICAL WHEEL BRACKET WELDMENT		18
			THIS DWG	HORIZONTAL WHEEL BRACKET WELDMENT		6

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E		CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>	
DO NOT VERIFY INFORMATION BY SCALING DRAWING		DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME WHEEL BRACKET WELDMENTS AND DETAILS	
WEIGHT 150.2 lbs	SCALE: 1/2	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
MODEL NAME SEI44-011	NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	<b>SEI44-011</b>
RELEASE LEVEL: WIP DWG VERSION NO:	WELDING ENGINEER	.XX +/- .000 0"-12" +/- .010 .XX +/- .005 12"-120" +/- .010 ANGULAR +/- .0-15' OVER 120" +/- .12'	SUPV:	SHEET 1 OF 1 REV 0

NCSX-SEI44-011

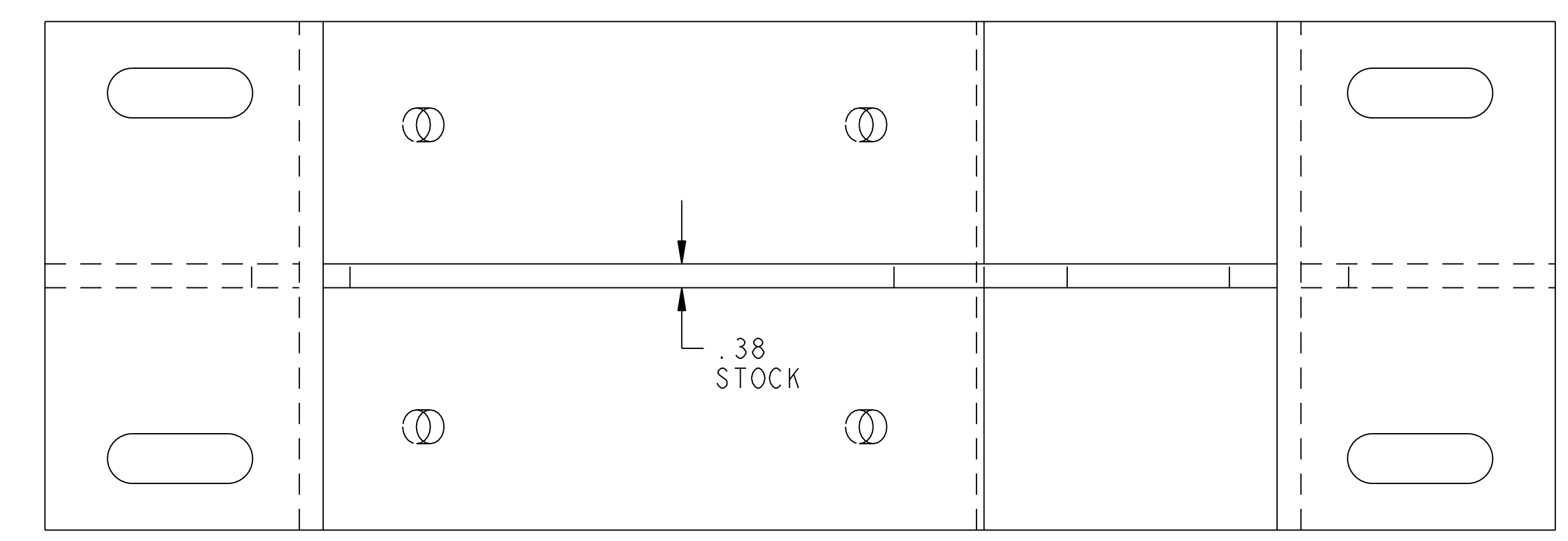


NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**NOTES**

1. MOTOR SUPPORT BRACKET, PART 1, CAN BE FORMED FROM ONE PIECE OR WELDED USING 3/8" STOCK AS REQ'D WITH 1/8" FILLET WELDS.
2. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE EM-002. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.



QI ASSY	PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
	4	THIS DWG	SUPPORT GUSSET	ASTM A36	
	3	THIS DWG	SUPPORT GUSSET - TALL	ASTM A36	
	2	THIS DWG	SUPPORT GUSSET - SHORT	ASTM A36	
	1	THIS DWG	MOTOR SUPPORT BRACKET	ASTM A36	
		THIS DWG	MOTOR SUPPORT STAND WELDMENT		3

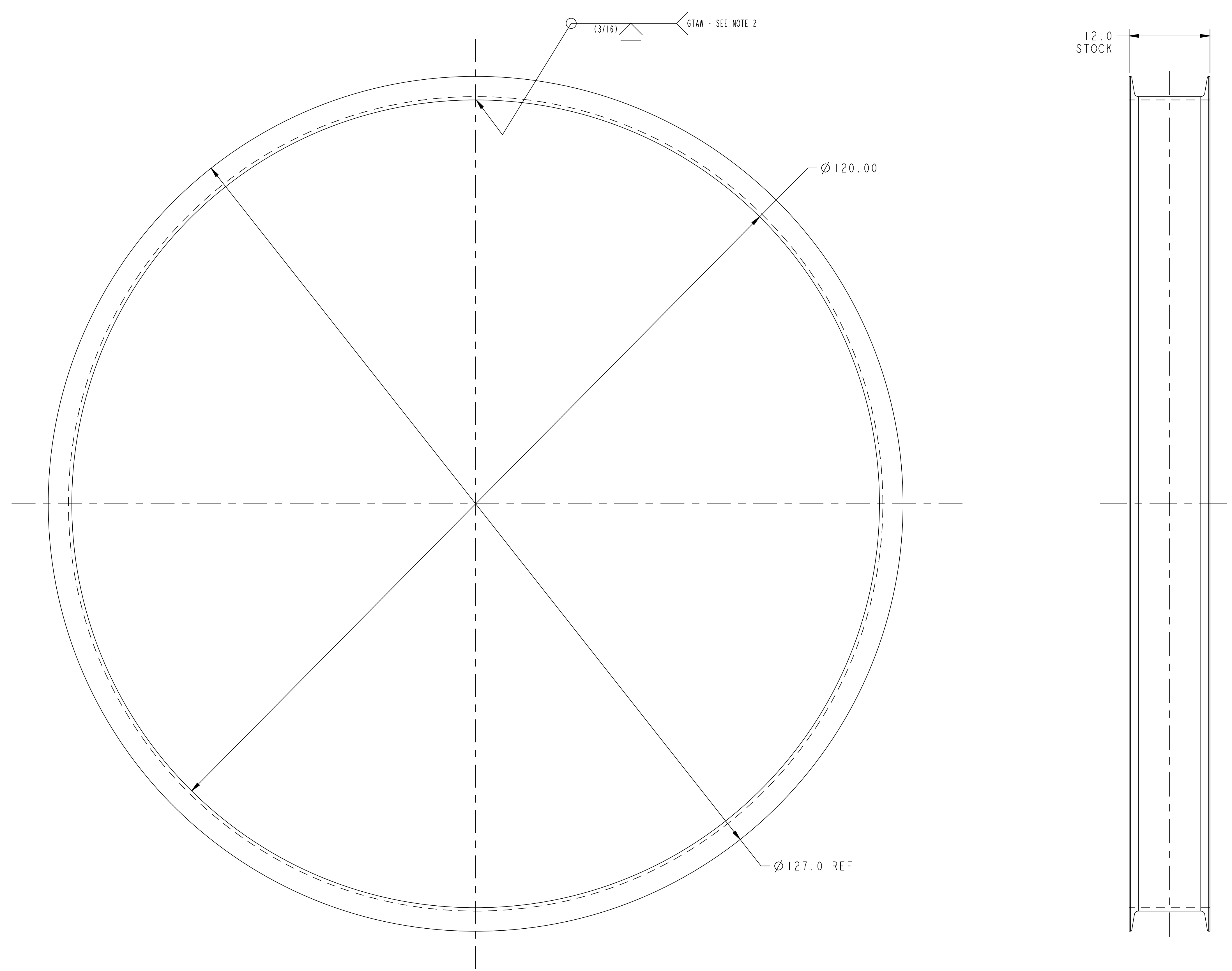
COMPUTER GENERATED DRAWING DRAWING CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/ .020	NATIONAL COMPACT STELLARATOR EXPERIMENT	
SCALE: 1/2	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
NEXT ASSEMBLY	DECIMAL - INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	SEI44-012
	.XX +/- .000 0" - 12" +/- .010 .XX +/- .005 12" - 30" +/- .010 .XX +/- .005 30" - 120" +/- .010 ANGULAR +/- .0° - 15° OVER 120° +/- .1°	SUPV:	SHEET 1 OF 1 REV 0

RELEASE LEVEL: WIP  
DWG VERSION NO:

WEIGHT  
50.2 lbs  
MODEL NAME  
SEI44-012  
WELDING  
ENGINEER

NCSX-SEI44-012

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**NOTES**

1. THIS PART TO BE ROLLED USING MC12" x 32.9# STRUCTURAL CHANNEL TO DIMENSIONS AS SHOWN.
2. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.

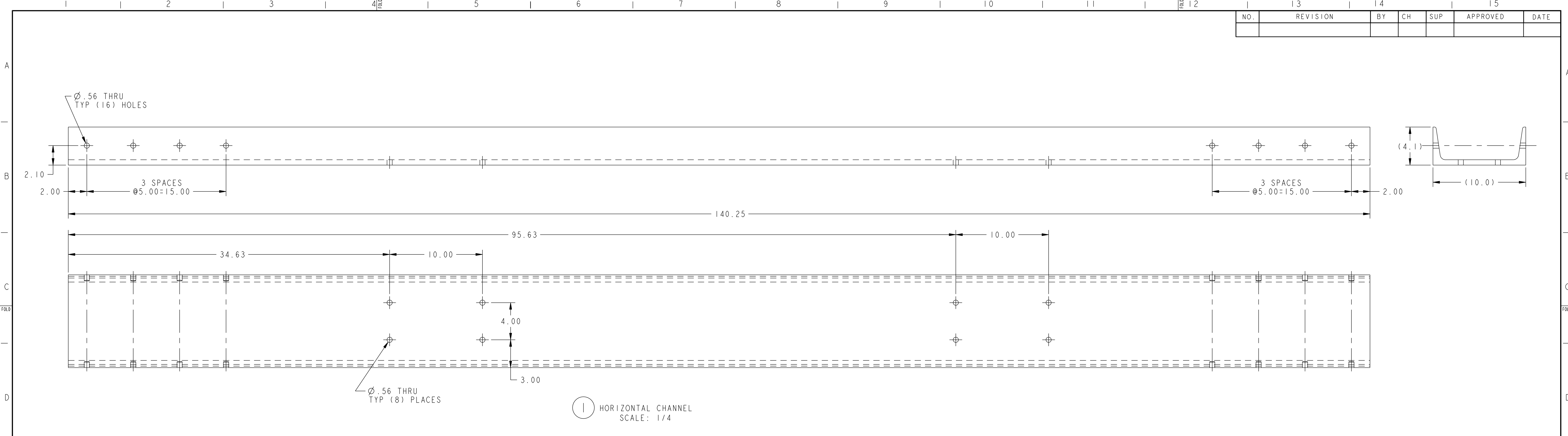
PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REOD
PARTS LIST				
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED		CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
DO NOT VERIFY INFORMATION BY SCALING DRAWING		DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	NATIONAL COMPACT STELLARATOR EXPERIMENT	
SCALE: 1/8		TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
NEXT ASSEMBLY		DECIMAL-INCH FRACTIONS	CHK:	SE144-013
WEIGHT 1054.1 lbs		.XX +/- .030 .XXX +/- .005 ANGULAR +/- .05	ENGR: S. RAFTOPOULOS	
MODEL NAME SE144-013			SUPV:	SHEET 1 OF 1 REV 0
WELDING ENGINEER				

RELEASE LEVEL: WIP  
DWG VERSION NO: 3

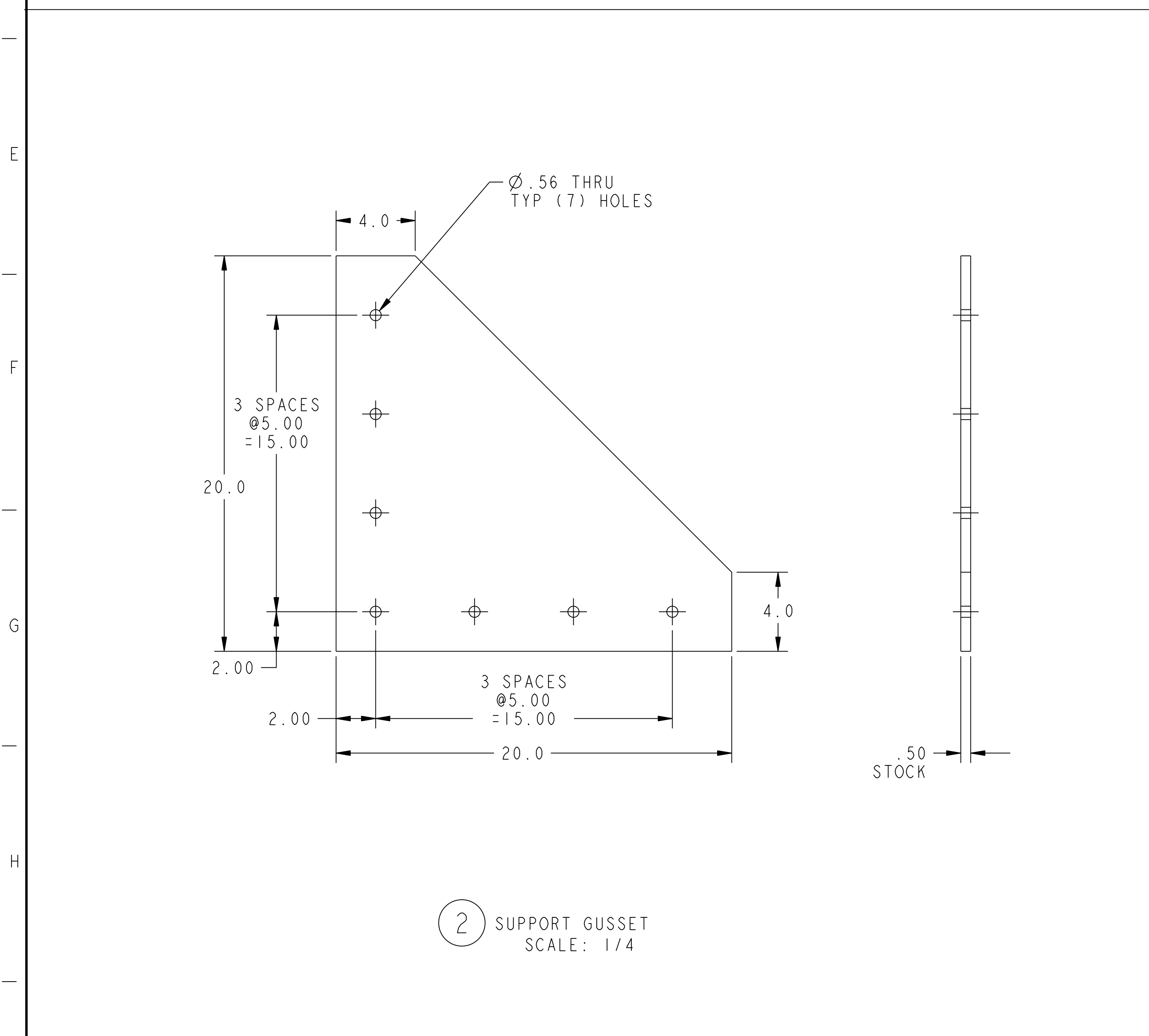
NCSX-SE144-013



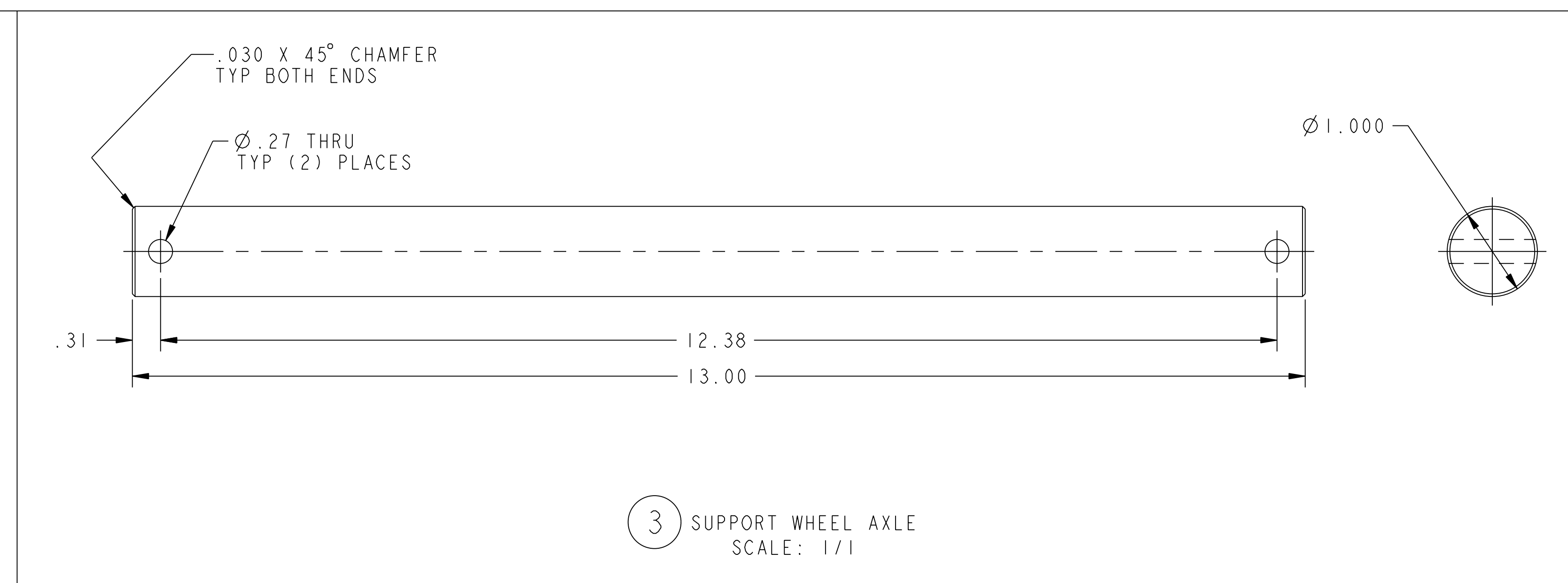
NO.	REVISION	BY	CH	SUP	APPROVED	DATE



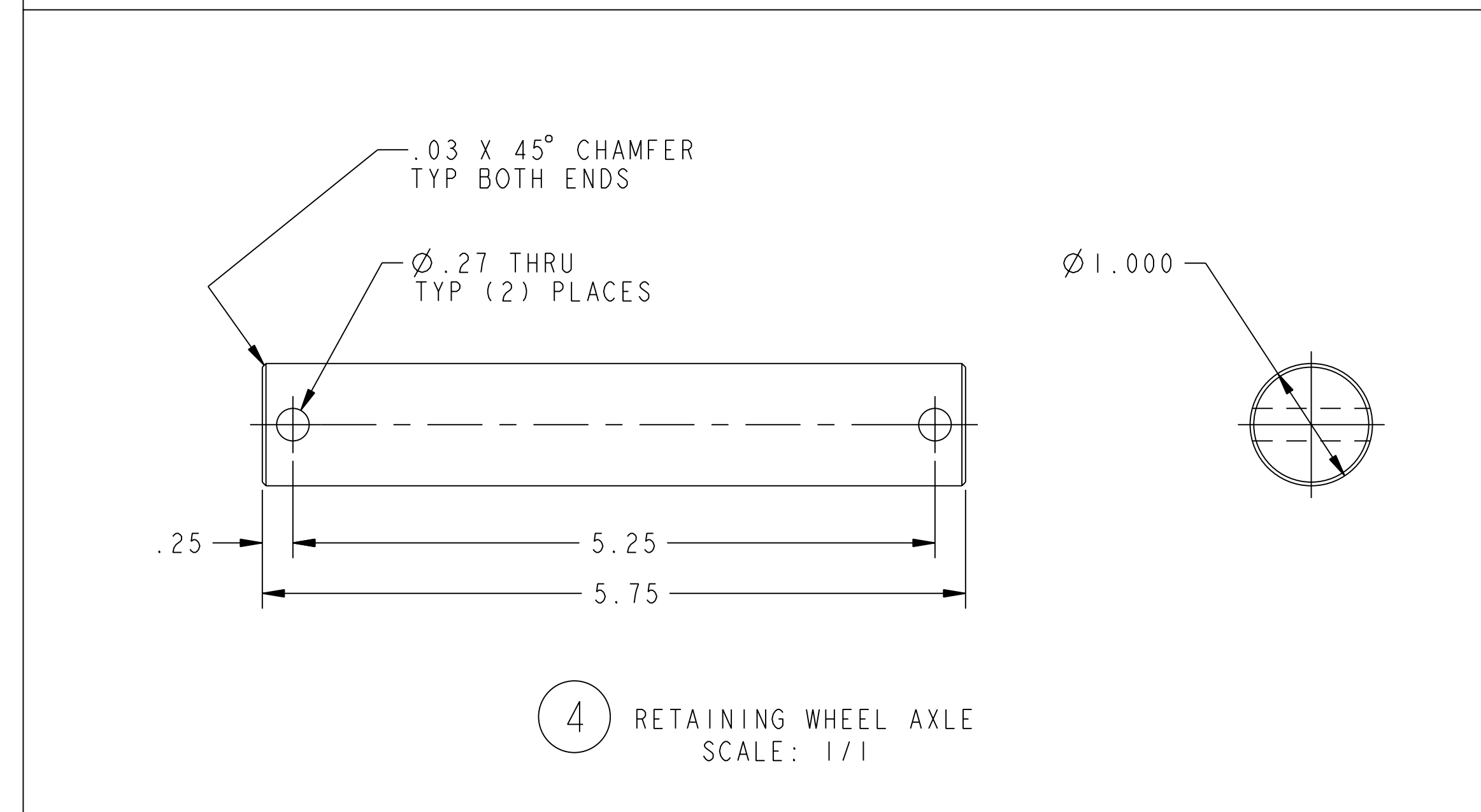
1 HORIZONTAL CHANNEL  
SCALE: 1/4



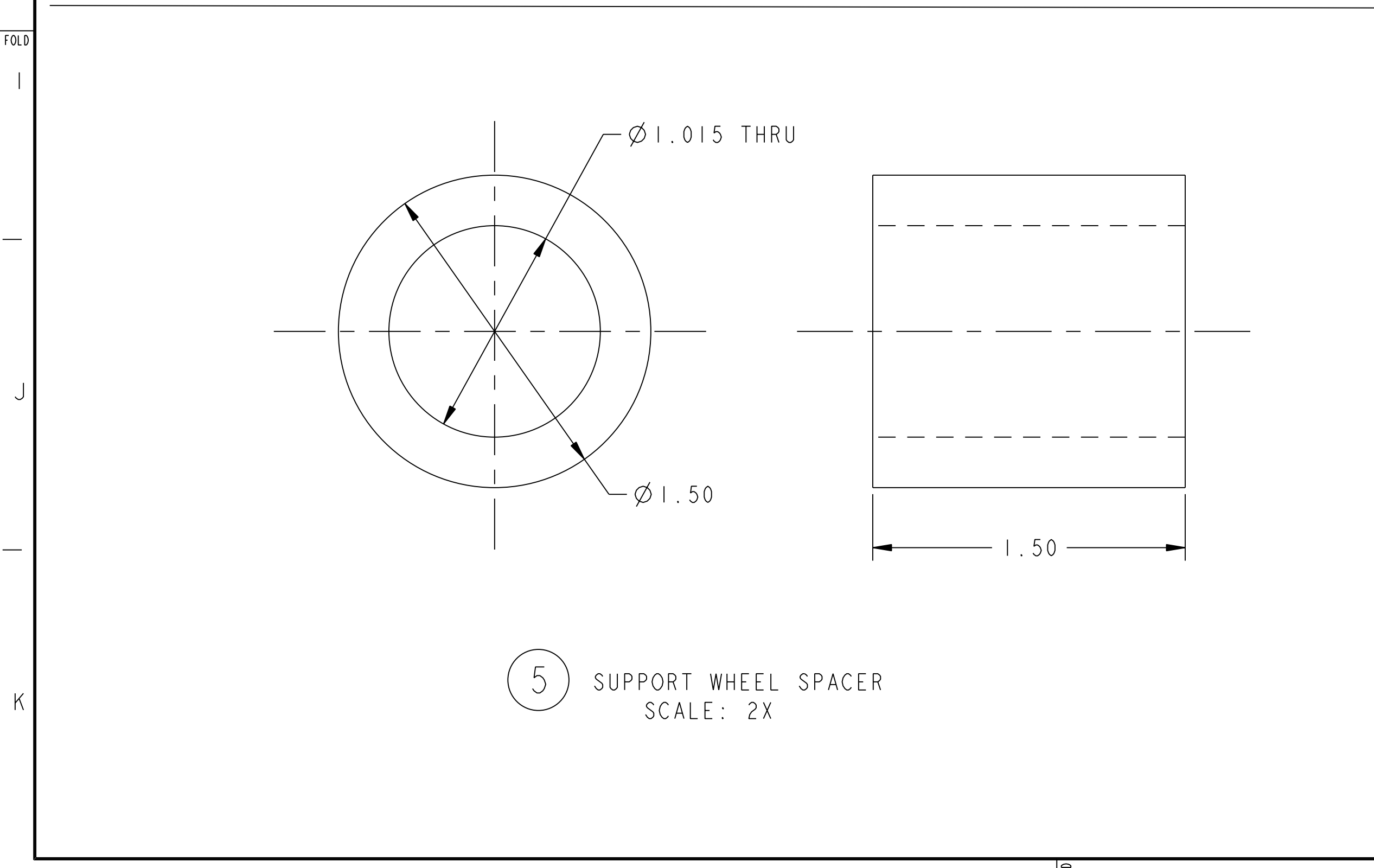
2 SUPPORT GUSSET  
SCALE: 1/4



3 SUPPORT WHEEL AXLE  
SCALE: 1/1



4 RETAINING WHEEL AXLE  
SCALE: 1/1



5 SUPPORT WHEEL SPACER  
SCALE: 2X

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
5	THIS DWG	SUPPORT WHEEL SPACER	AISI 1020	6
4	THIS DWG	RETAINING WHEEL AXLE	ASTM A108	36
3	THIS DWG	SUPPORT WHEEL AXLE	ASTM A108	6
2	THIS DWG	SUPPORT GUSSET	ASTM A36	12
1	THIS DWG	HORIZONTAL CHANNEL - MC10" x 33.6#	ASTM A36	3

PARTS LIST

COMPUTER GENERATED DRAWING DRAWING CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME MISCELLANEOUS DETAILS	
SCALE: AS NOTED	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS .XX +/- .005 .XXX +/- .005 ANGULAR +/- .05	CHK: ENGR: S. RAFTOPOULOS	<b>SE144-014</b>
		SUPV:	SHEET 1 OF 1 REV 0

WEIGHT  
392.9 lbs

MODEL NAME  
SE144-014

WELDING ENGINEER

RELEASE LEVEL: WIP  
DWG VERSION: IND: 4

NCSX-SE144-014

NCSX-PART-FORMAT.E

NO.	REVISION	BY	CH	SUP	APPROVED	DATE

CUT ON BOTH ENDS OF RACK TO BE MADE SUCH THAT WHEN MATING RACKS ARE MOUNTED ON ROLLED OUTER SUPPORT CHANNEL (SE144-013) AT NEXT ASSEMBLY, A FULL TOOTH GAP IS MAINTAINED.  
SEE NOTE 2

R62.00 REF  
(61.875 P.D.)

**NOTES**

- R60.50 TO MATCH RADIUS OF ROLLED OUTER SUPPORT CHANNEL. SEE DRAWING SE144-013.
- AT NEXT ASSEMBLY (DWG SE144-007) (6) OF THESE PARTS MOUNTED IN FINAL POSITION SHALL COMPRISE A TOTAL OF 990 TEETH.

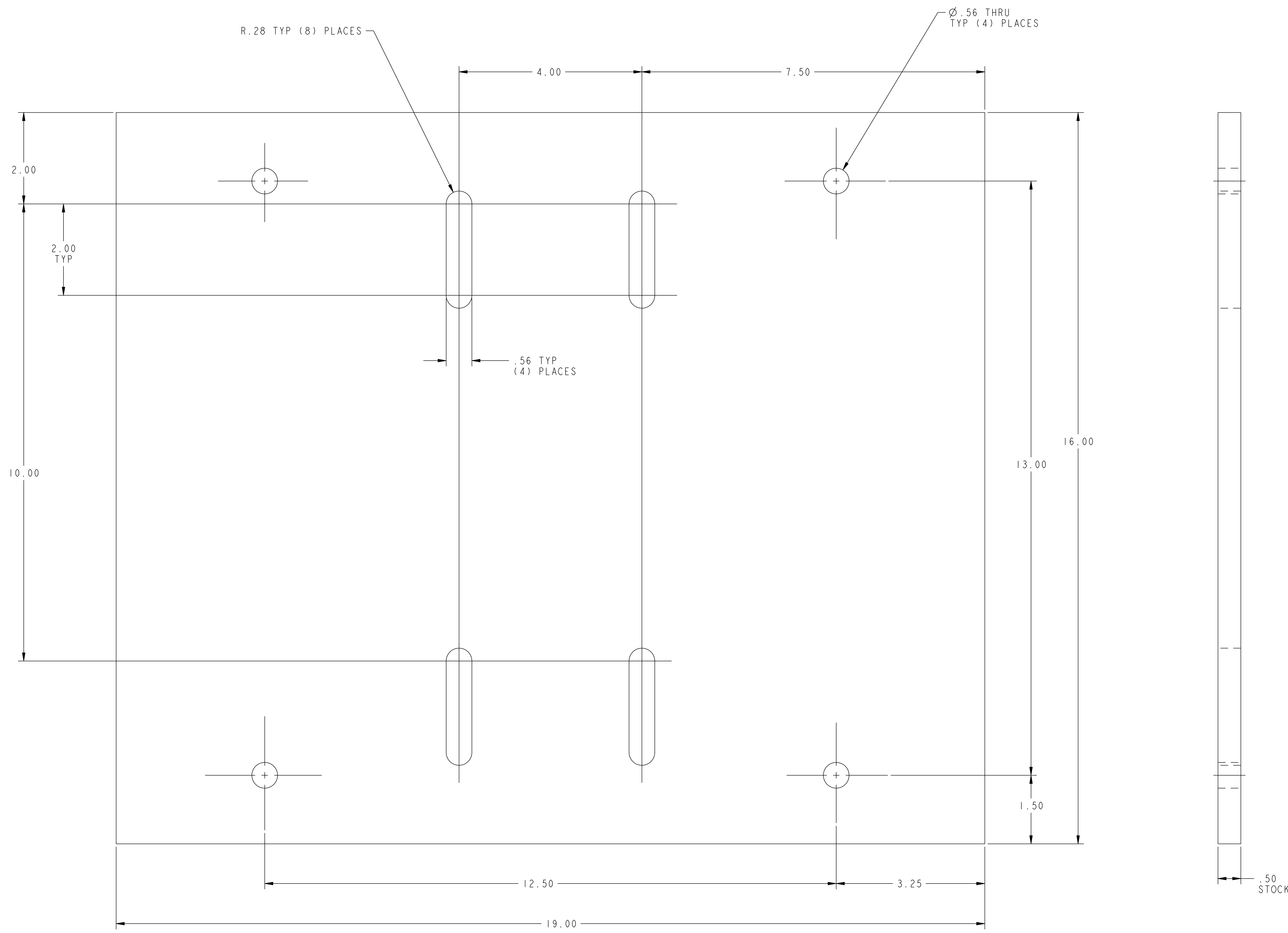
60.0°

1.50 STOCK  
R60.50  
SEE NOTE 1

1	SE144-015	ROLLED RACK GEAR - 8 PITCH	STEEL	18
PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REOD
PARTS LIST				
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED		CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
Pro E		DIMENSIONS ARE IN INCHES MACHINE SURFACES	NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING		BREAK SHARP EDGES .005/.020	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME ROLLED RACK GEAR DETAIL	
WEIGHT 39.9 lbs		TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	DRAWING NO:
MODEL NAME SE144-015		DECIMAL - INCH FRACTIONS	CHK: ENGR: S. RAFTOPOULOS	SE144-015
NEXT ASSEMBLY		.XX +/- .030 .XXX +/- .005 ANGULAR +/- .0°/15'	ENGR: S. RAFTOPOULOS	SHEET 1 OF 1 REV
RELEASE LEVEL: WIP DWG VERSION NO: 2		WELDING ENGINEER	SUPV:	NCSX-PART-FORMAT.E

NCSX-SE144-015

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



1	SE144-017	RETAINING WHEEL ASSEMBLY BASE PLATE	ASTM A36	18
PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REOD
PARTS LIST				
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>		
Pro E	DIMENSIONS ARE IN INCHES MACHINE SURFACES	MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME RETAINING WHEEL ASSEMBLY BASE PLATE		
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020	DRAWING NO: <b>SE144-017</b>		
SCALE: 1/1	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS		
NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS	CHK:		
	.XX +/- .000 0°-120° +/- .010	ENGR: S. RAFTOPOULOS		
	.XXX +/- .005 120°-120° +/- .010	SUPV:		
	ANGULAR +/- .0°-15° OVER 120° +/- .010			
			SHEET 1 OF 1	REV 0

RELEASE LEVEL:  
DWG VERSION NO:

WEIGHT  
46.4 lbs

MODEL NAME  
SE144-017

NCSX-SE144-017