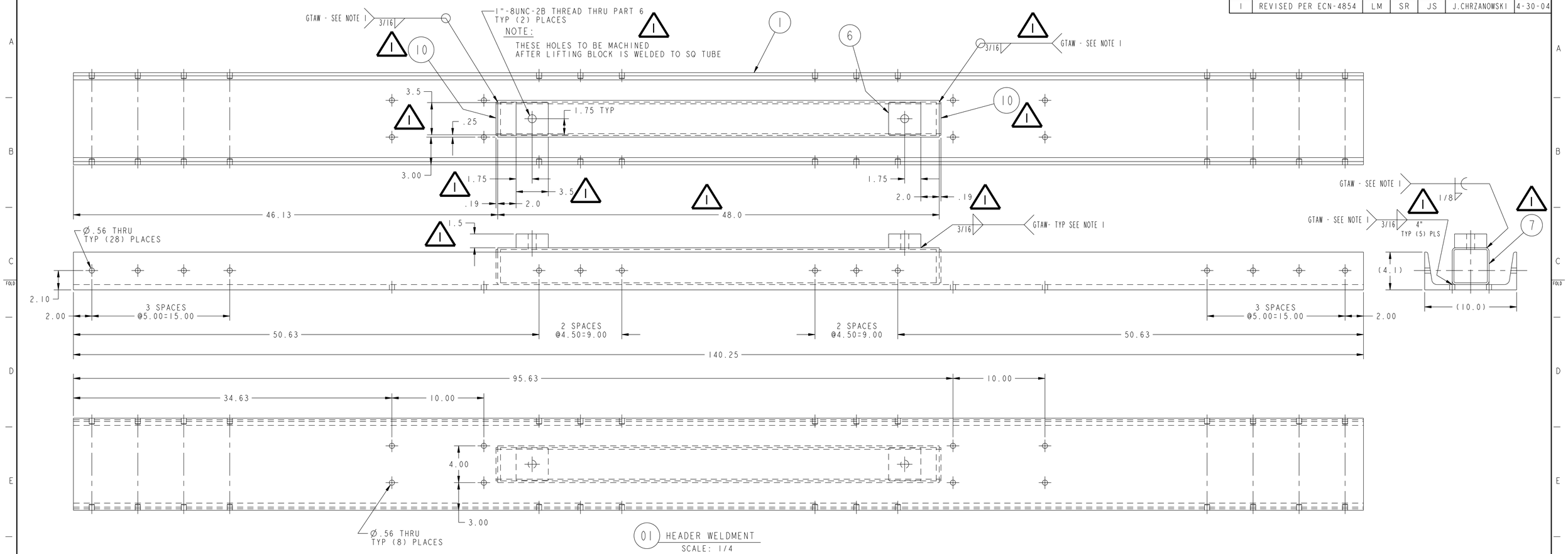
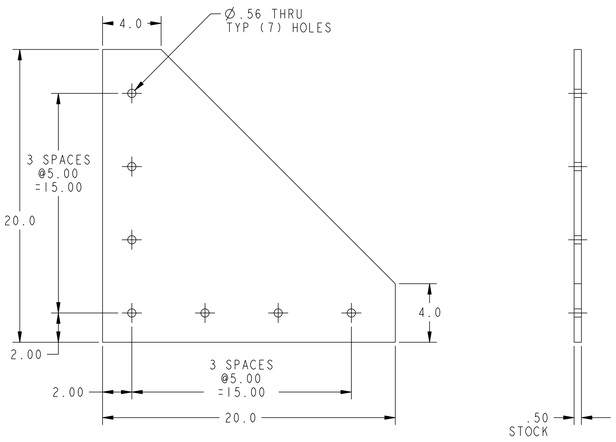
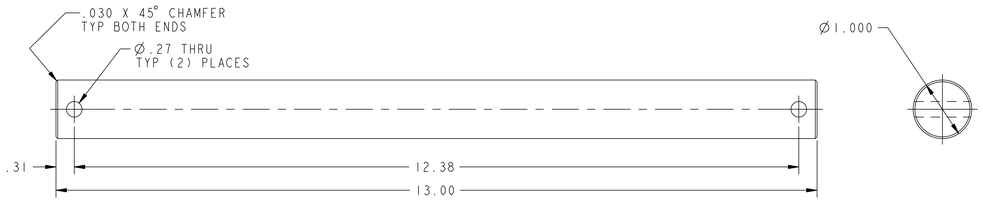
| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|---|---|---|---|---|---|---|
| 1 | REVISED PER ECN-4854 | LM | SR | JS | J.CHRZANOWSKI | 4-30-04 |



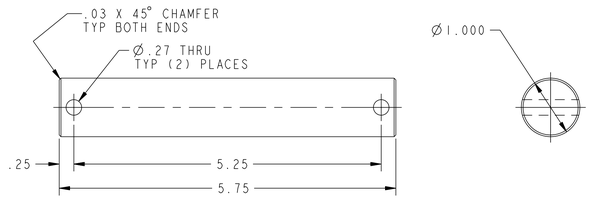

01 HEADER WELDMENT
SCALE: 1/4



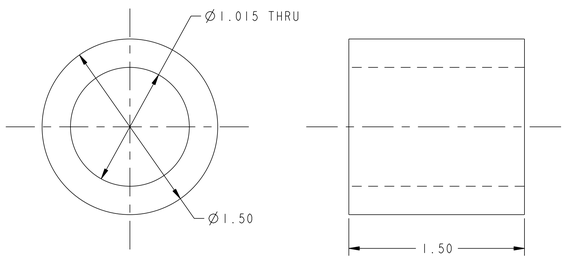

2 SUPPORT GUSSET
SCALE: 1/4



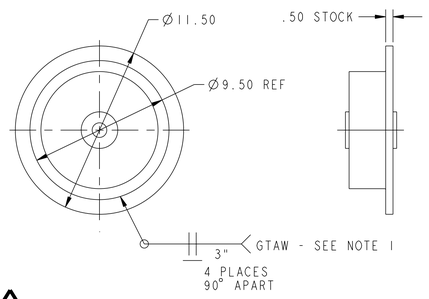

3 SUPPORT WHEEL AXLE
SCALE: 1/1




4 RETAINING WHEEL AXLE
SCALE: 1/1




5 SUPPORT WHEEL SPACER
SCALE: 2X




02 SINGLE FLANGED TRACK WHEEL WELDMENT
SCALE: 1/4

**RELEASE LEVEL: Fabrication**
**DWG VERSION NO: 3**

WEIGHT
392.9 lbs
MODEL NAME
SE144-014
WELDING ENGINEER R.PARSELLS

**RELEASED FOR FABRICATION / INSTALLATION**
PPPL Drafting: ? Jerry Siegel 2004.04.30 09:28:46 -05'00'

NOTES

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

| 02 ASSY | 01 ASSY | PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY REQD |
|---|---|---|---|---|---|---|
| — | 2 | 10 | THIS DWG | CLOSURE PLATE - 3 5/8" SQ X 1/2" THK PLATE | ASTM A36 | 8 |
| 1 | — | 9 | THIS DWG | FLANGED WHEEL EXTENSION RING | ASTM A569 | 48 |
| 1 | — | 8 | COMM | SINGLE FLANGED TRACK WHEEL - Ø8" X 2 1/4" WIDE (FLANGE Ø9 1/2") 3000# CAP. McMASTER-CARR OR EQUIVALENT | CAST IRON | 48 |
| — | 1 | 7 | THIS DWG | HEADER STIFFENER - 4" SQ STRUCT TUBE X 3/16 WALL X 48" LG | ———— | 4 |
| X | — | — | THIS DWG | SINGLE FLANGE TRACK WHEEL WELDMENT | ———— | 48 |
| X | X | — | THIS DWG | HEADER WELDMENT | ———— | 4 |
| — | 2 | 6 | THIS DWG | LIFTING BLOCK - 3 1/2 SQ x 1 1/2" THICK | ASTM A36 | 8 |
| — | — | 5 | THIS DWG | SUPPORT WHEEL SPACER | AISI 1020 | 8 |
| — | — | 4 | THIS DWG | RETAINING WHEEL AXLE | ASTM A108 | 48 |
| — | — | 3 | THIS DWG | SUPPORT WHEEL AXLE | ASTM A108 | 8 |
| — | — | 2 | THIS DWG | SUPPORT GUSSET | ASTM A36 | 16 |
| — | — | 1 | THIS DWG | HORIZONTAL CHANNEL - MC10" x 33.6# | ASTM A36 | 4 |

PARTS LIST

NCSX-SE144-014

| | | | |
|---|---|---|---|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY | NATIONAL COMPACT STELLARATOR EXPERIMENT |
| Pro E | DIMENSIONS ARE IN INCHES MACHINE SURFACES | MODULAR COIL ASSEMBLY WINDING SUPPORT FRAME MISCELLANEOUS DETAILS | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | BREAK SHARP EDGES .005/.020 | | |
| SCALE: AS NOTED | TOLERANCES NON-CUMULATIVE | DSN: L. MORRIS 12-17-03 | DRAWING NO: SE144-014 |
| NEXT ASSEMBLY | DECIMAL-INCH: .X +/-.100, .XX +/-.030, .XXX +/-.005, ANGULAR +/-0°-15'; FRACTIONS: 0°-12° +/-1/16, 12°-72° +/-1/8, 72°-120° +/-1/4, OVER 120° +/-1/2 | CHK: S.RAFTOPOULOS | |
| | | ENGR: S.RAFTOPOULOS | |
| | | SUPV: J. SIEGEL | SHEET 1 OF 1 REV 1 |

NCSX_PART_FORMAT_E