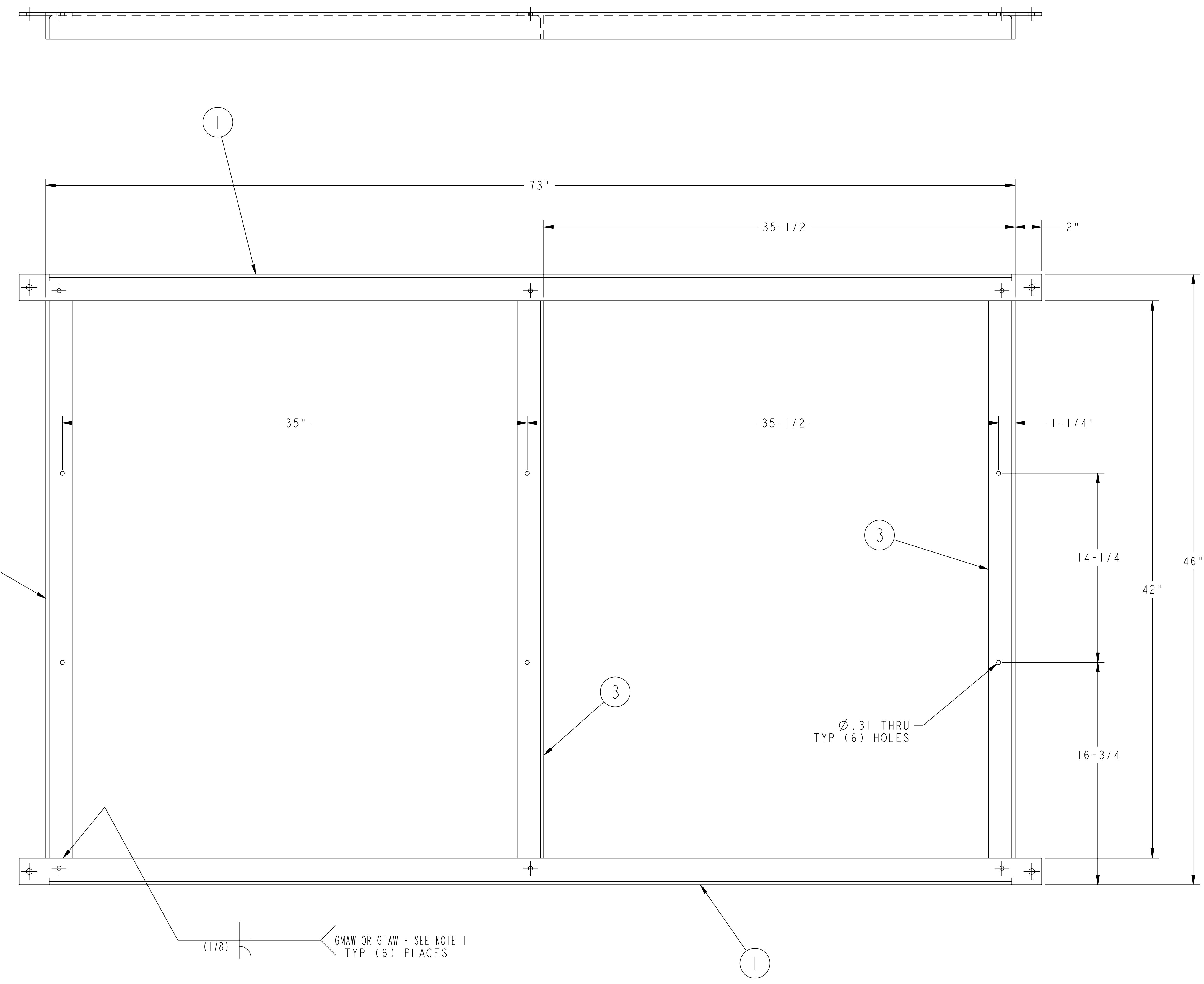


| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|----------|----|----|-----|----------|------|
|     |          |    |    |     |          |      |



**NOTES**

1. WELDING TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.

01 ASSEMBLY

**RELEASED FOR FABRICATION / INSTALLATION**  
PPPL Drafting:

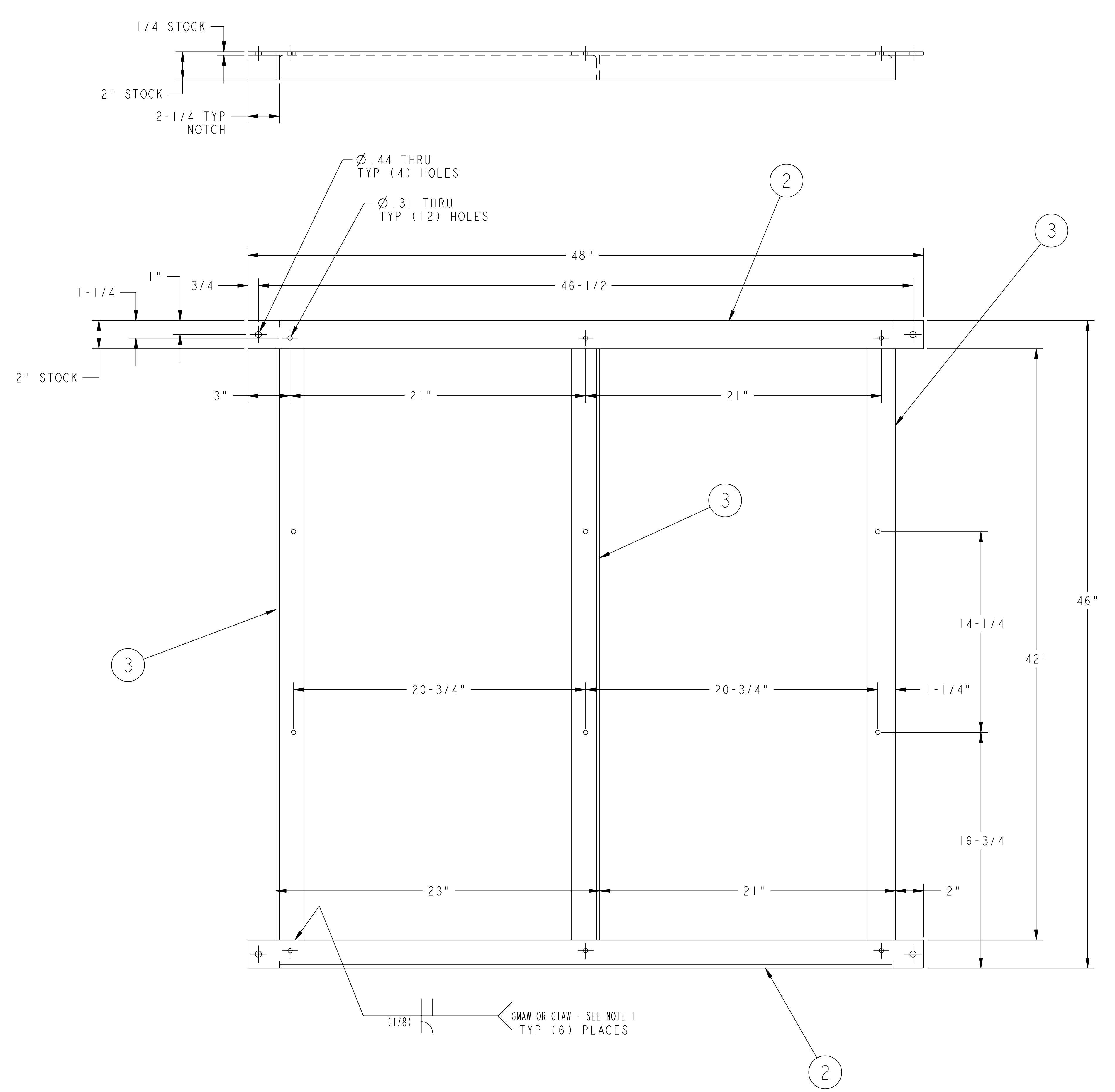
| 3       | 3       | 3        | THIS DWG     | VERTICAL FRAMING ANGLE                       | ASTM A36 |          |
|---------|---------|----------|--------------|--|----------|----------|
| 2       | 2       | 2        | THIS DWG     | PLATE EXTENSION SUPPORT ANGLE                | ASTM A36 |          |
|         | 2       | 1        | SE1851-017-4 | PROOF OF CONCEPT - PLATE SUPPORT ANGLE       | ASTM A36 |          |
|         |         |          | THIS DWG     | UPRIGHT TRACE PLATE EXTENSION FRAME WELDMENT | 1        |          |
|         |         |          | THIS DWG     | UPRIGHT TRACE PLATE SUPPORT FRAME WELDMENT   | 1        |          |
| 02 ASSY | 01 ASSY | PART NO. | DRAWING NO.  | NOMENCLATURE OR DESCRIPTION                  | MATERIAL | QTY RECD |

**PARTS LIST**

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| COMPUTER GENERATED DRAWING 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 UNLESS OTHERWISE SPECIFIED |  | NATIONAL COMPACT STELLARATOR EXPERIMENT                  |  |
| WEIGHT   |  | TOLERANCES NON-CUMULATIVE  |  | FIELD PERIOD ASSEMBLY                                    |  |
| 75.9 lbs   |  | DECIMAL - INCH FRACTIONS   |  | FIELD PERIOD ASSEMBLY FIXTURE                            |  |
| MODEL NAME                                       |  | NEXT ASSEMBLY  |  | UPRIGHT TRACE PLATE SUPPORT FRAME WELDMENTS              |  |
| SE1851-024-01                                    |  | WELDING ENGINEER L. DUDEK 11-14-07                                   |  | DSN: L. MORRIS 12-11-07 DRAWING NO: SE1851-024           |  |
| RELEASE LEVEL: Fabrication                       |  | DWG VERSION NO: 5  |  | ENGR: T. BROWN 12-11-07                                  |  |
|  |  |  |  | SUPV: J. SIEGEL 12-11-07                                 |  |
|  |  |  |  | SHEET 1 OF 2 REV 0                                       |  |

NCSX-SE1851-024

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|----------|----|----|-----|----------|------|
|     |          |    |    |     |          |      |



02 ASSEMBLY

**RELEASED FOR FABRICATION / INSTALLATION**  
 PPPL Drafting

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

**RELEASE LEVEL: Fabrication**  
**DWG VERSION NO: 5**

|   |   |  |                   |
|---|---|--|-------------------|
| COMPUTER GENERATED DRAWING CHANGES NOT PERMITTED<br>Pro E | CENTRAL FILES:  | PRINCETON PLASMA PHYSICS LABORATORY<br>PRINCETON UNIVERSITY          |                   |
|   | UNLESS OTHERWISE SPECIFIED  | <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>                       |                   |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING              | DIMENSIONS ARE IN INCHES<br>MACHINE SURFACES<br>BREAK SHARP EDGES .005/.020 | FIELD PERIOD ASSEMBLY<br>UPRIGHT TRACE PLATE SUPPORT FRAME WELDMENTS |                   |
|   | TOLERANCES NON-CUMULATIVE   | DSN: L. MORRIS   | 12-11-07          |
|   | DECIMAL-INCH FRACTIONS  | CHK: M. COLE   | 12-11-07          |
|   |   | ENGR: T. BROWN   | 12-11-07          |
|   |   | SUPV: J. SIEGEL  | 12-11-07          |
|   |   | DRAWING NO:  | <b>SE1851-024</b> |
|   |   | SHEET 2 OF 2   | REV 0.7           |

NCSX-SE1851-024