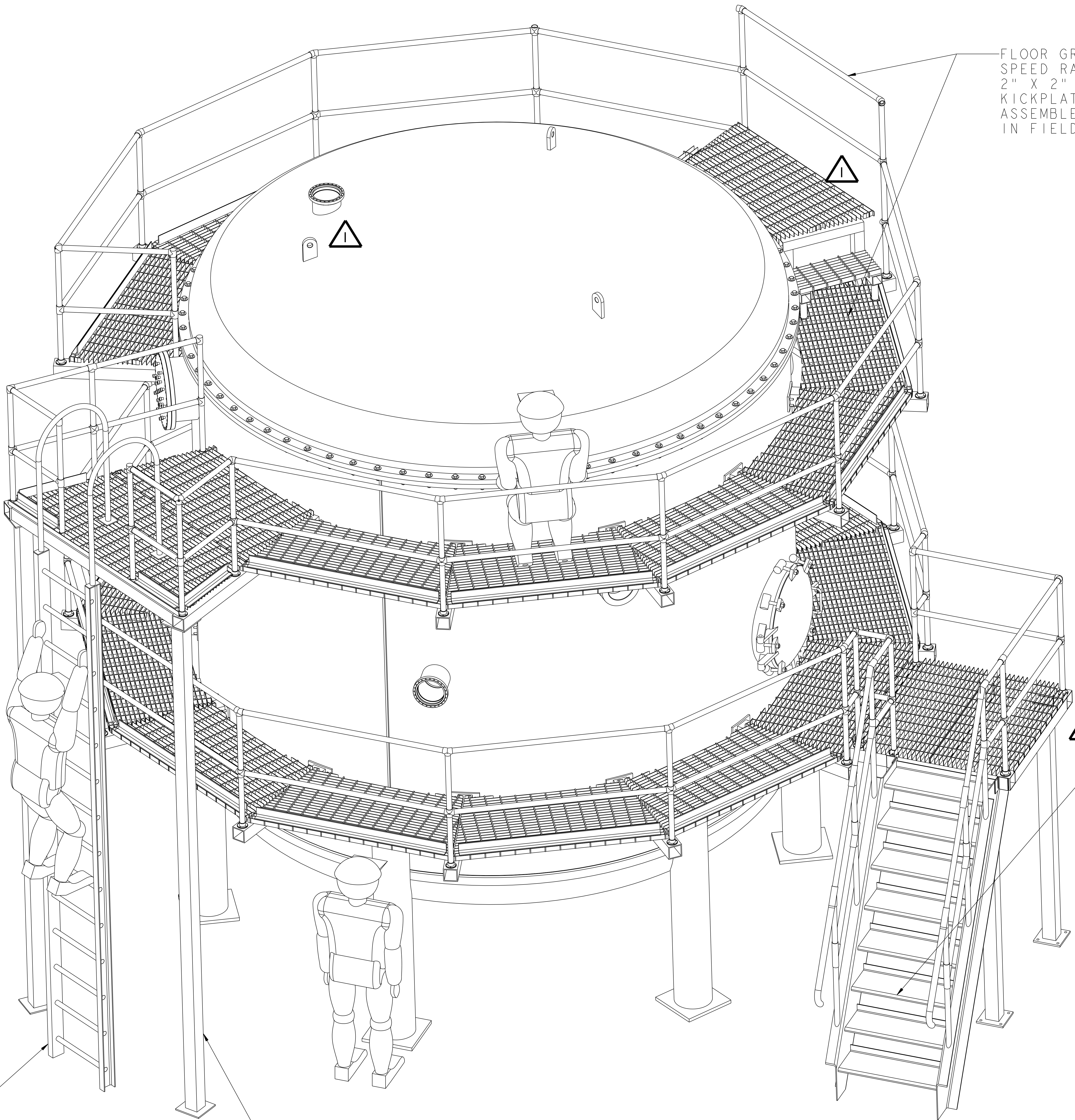


| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|-----------------------|-----|----|-----|----------------|---------|
| 1 | REVISED PER ECN #4852 | JDR | JC | JS | S. RAFTOPOULOS | 5/07/04 |



FLOOR GRATING,
SPEED RAIL AND
2" X 2"
KICKPLATE
ASSEMBLED/INSTALLED
IN FIELD

STEEL ADJUSTABLE HEIGHT STAIRWAY
(COMM) MCMASTER-CARR #8234T23 OR EQ

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

FIXED VERTICAL LADDER
COMM OR FABRICATE
PER OSHA REQUIREMENTS

4" X 4" X 1/4 WALL OR EQ.
PLATFORM EXTENSION
SUPPORT COLUMN
FIELD FIT AND INSTALL

| PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY | RECD |
|----------|---------------------|--|--------------|-----|------|
| 13 | SE144-SUPPORT_CAP | SUPPORT LEG DETAIL | STN STL | 6 | |
| 12 | SE144-350 | HEATING SUPPLY PORT ASSEMBLY | STN STL | 1 | |
| 11 | SE144-346 | HEATING RETURN PORT ASSEMBLY | STN STL | 1 | |
| 10 | SE144-370-1 | EXTERNAL SUPPORT PLATFORM LOWER ASSEMBLY | STN STL | 1 | |
| 9 | 000-MAN_KNEELING | Generic | RED_CEDAR | 1 | |
| 8 | 000-MAN_CLIMB | Generic | RED_CEDAR | 1 | |
| 7 | SE144-358-2 | EXTERIOR PLATFORM FLOOR GRATING | CARBON STEEL | 2 | |
| 6 | SE144-358 | EXTERIOR PLATFORM FLOOR GRATING | CARBON STEEL | 1 | |
| 5 | SE144-354 | UPPER PLATFORM STEP BRIDGE ASSEMBLY | -- | 2 | |
| 4 | SE144-347 | PLATFORM EXTENSION AND STAIR ASSEMBLY | -- | 1 | |
| 3 | SE144-323-1 | INTERNAL PLATFORM BENT TIE PLATE | -- | 12 | |
| 2 | SE144-HANDRAIL-24-4 | -- | -- | 4 | |
| 1 | 4_STUDS | -- | -- | 2 | |

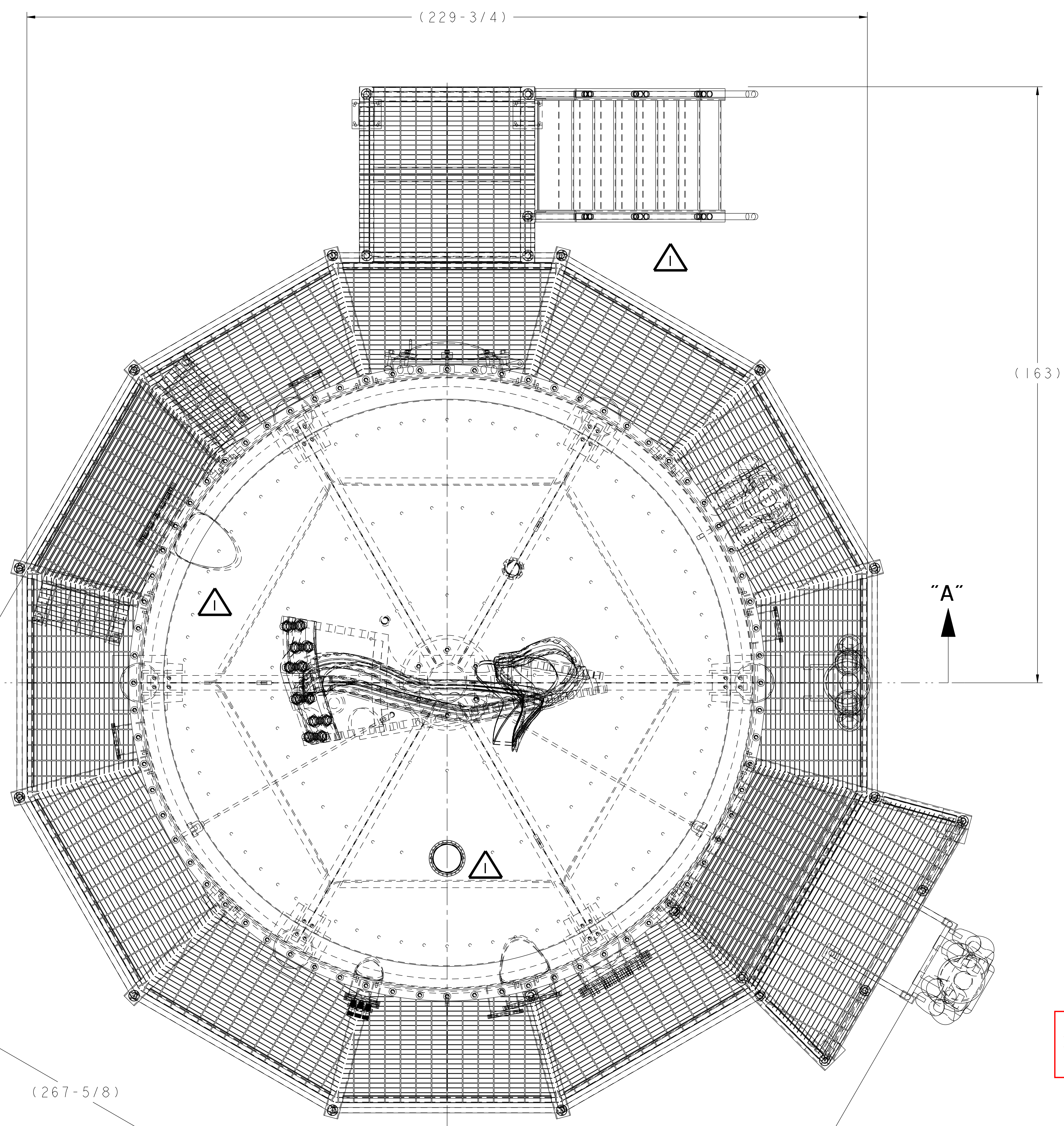
| PARTS LIST | | | |
|---|---|---|--|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 | PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT STELLARATOR CORE MODULAR COIL WINDING FACILITY AUTOCLAVE ASSEMBLY | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX +/- .030 .XXX +/- .005 ANGULAR +/- 0°15' | DSN: J. RUSHINSKI CHK: J. CHRZANOWSKI ENGR: S. RAFTOPOULOS SUPV: J. SIEGEL | DRAWING NO: SE144-301 SHEET 1 OF 3 REV 1 |

WEIGHT
28135.2 lbs
MODEL NAME
SE144-301
WELDING ENGINEER

RELEASE LEVEL: As Built
DWG VERSION NO: 0

NCSX-SE144-301

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|-----------------------|-----|----|-----|----------------|---------|
| 1 | REVISED PER ECN #4852 | JDR | JC | JS | S. RAFTOPOULOS | 5/07/04 |



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FABRICATION / INSTALLATION**
 PPPL Drafting:

PLAN VIEW

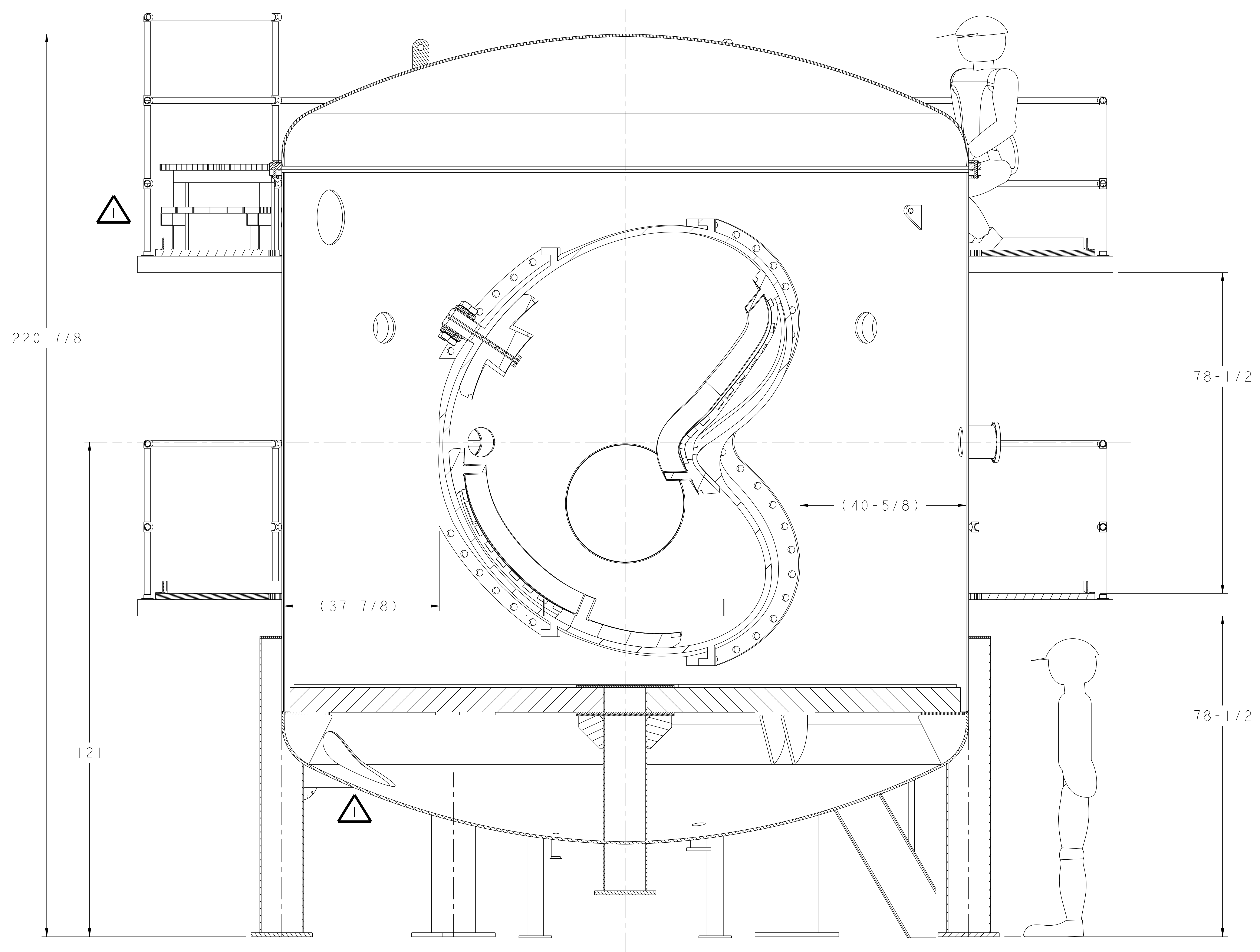
WEIGHT
 28135.2 lbs
 MODEL NAME
 SEI44-301
 WELDING
 ENGINEER

RELEASE LEVEL: As Built
DWG VERSION NO: 0

| PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY RECD |
|---|--|--|---|----------|
| PARTS LIST | | | | |
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E | | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 TOLERANCES NON-CUMULATIVE | PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT STELLARATOR CORE MODULAR COIL WINDING FACILITY AUTOCLAVE PLAN VIEW | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING SCALE 0.090 | DECIMAL-INCH FRACTIONS .X +/- .000 0°-12° +/- .010 .XX +/- .030 12°-72° +/- .010 .XXX +/- .005 72°-120° +/- .010 ANGULAR +/- .0°-15° OVER 120° +/- .1° | DSN: J. RUSHINSKI CHK: J. CHRZANOWSKI ENGR: S. RAFTOPOULOS SUPV: J. SIEGEL | DRAWING NO: SEI44-301 SHEET 2 OF 3 REV 1 | |

NCSX-SEI44-301

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|-----------------------|-----|----|-----|----------------|---------|
| 1 | REVISED PER ECN #4852 | JDR | JC | JS | S. RAFTOPOULOS | 5/07/04 |



SECTION "A"- "A"
SCALE 0.100

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

WEIGHT
28135.2 lbs
MODEL NAME
SE144-301
WELDING
ENGINEER

RELEASE LEVEL: As Built
DWG VERSION NO: 0

| PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY RECD |
|--|------------|---|---|--|
| PARTS LIST | | | | |
| COMPUTER GENERATED DRAWING DRAWING 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 MODULAR COIL WINDING FACILITY AUTOCLAVE SECTIONAL ELEVATION | |
| NEXT ASSEMBLY | | TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX +/- .030 .XXX +/- .005 ANGULAR +/- .0°-15' | DSN: J. RUSHINSKI CHK: J. CHRZANOWSKI ENGR: S. RAFTOPOULOS SUPV: J. SIEGEL | DRAWING NO: SE144-301 SHEET 3 OF 3 REV 1 |

NCSX-SE144-301