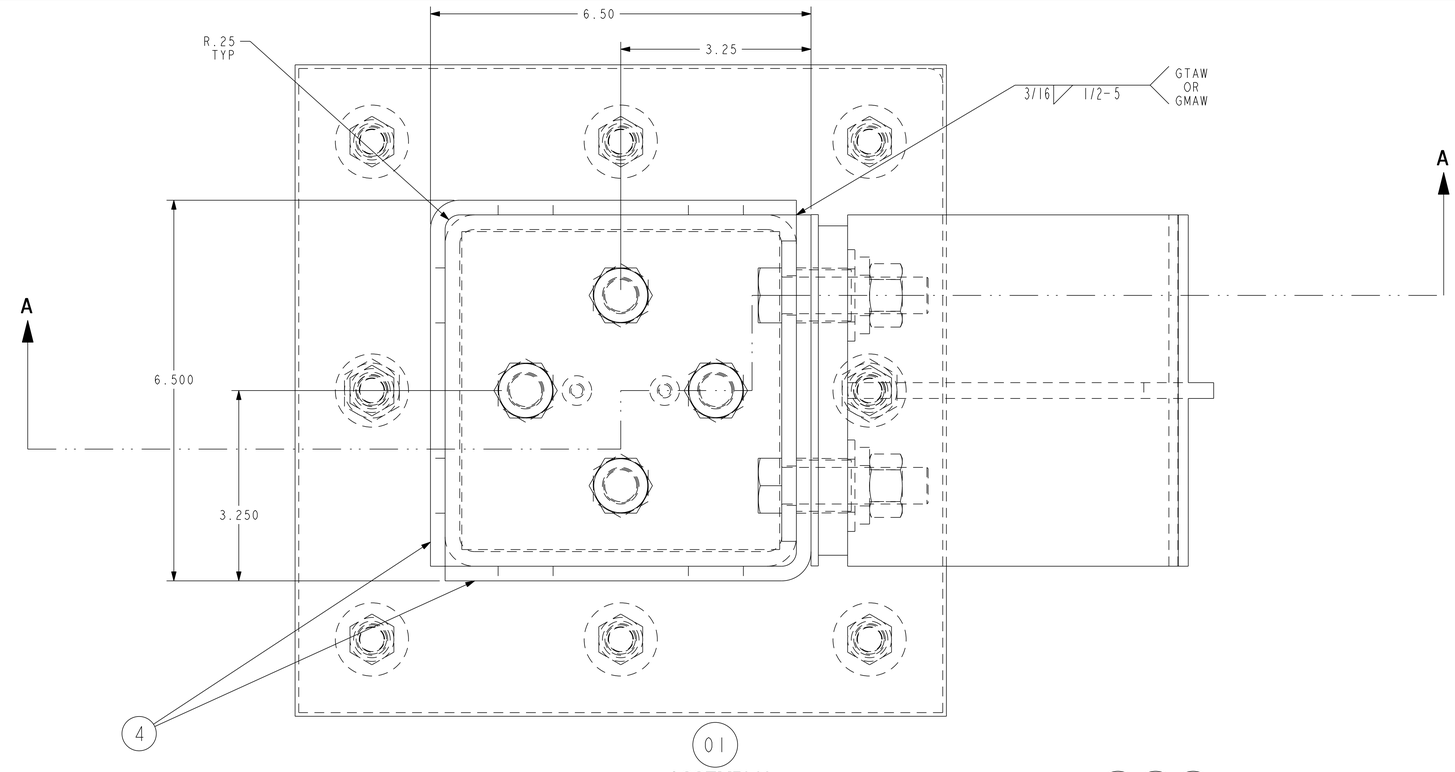
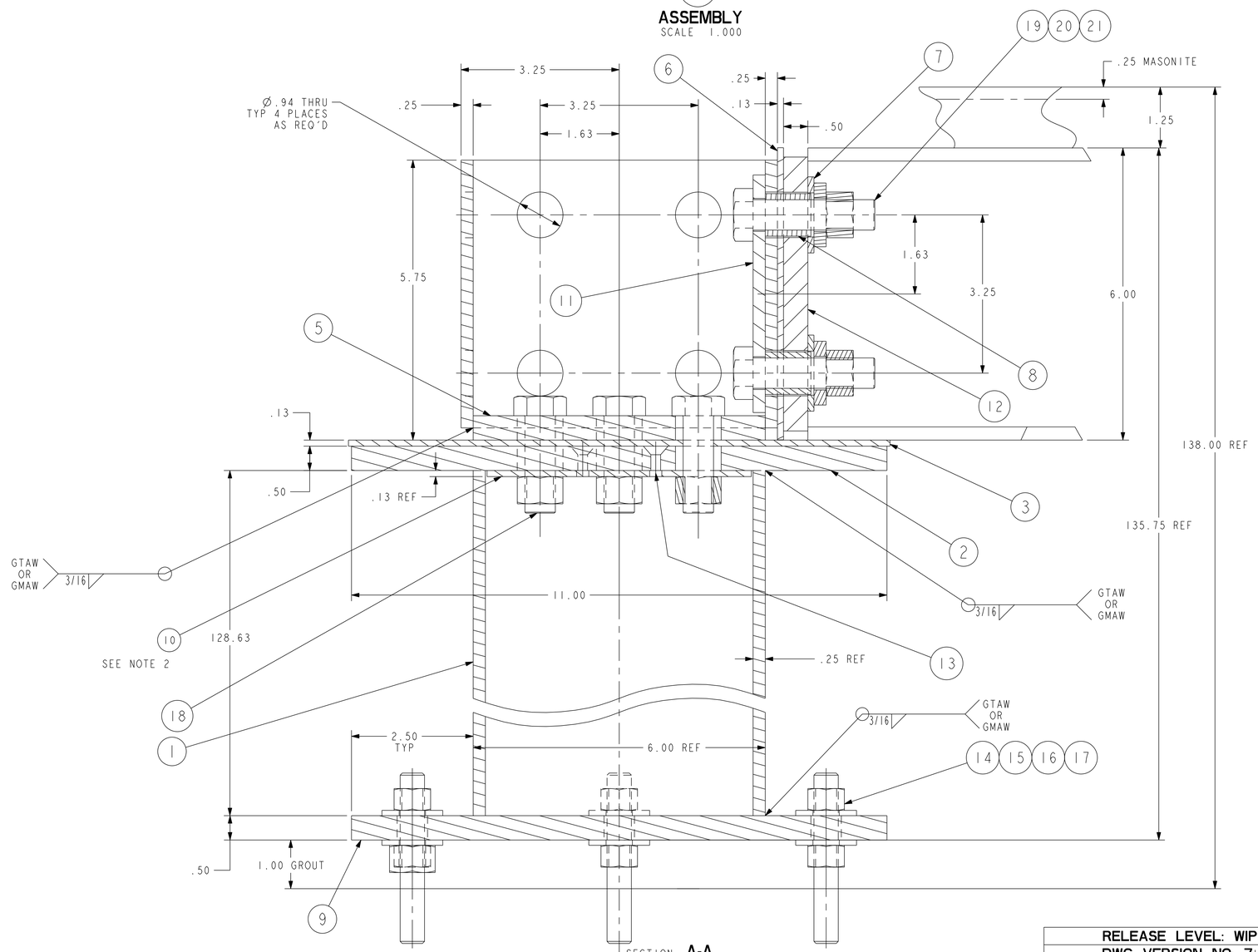
NO.	REVISION	BY	CH	SUP	APPROVED	DATE



01

ASSEMBLY

SCALE 1.000



SECTION **A-A**

NOTES:

1. WELDING PROCESSES AND WELDERS SHALL BE QUALIFIED PER PPPL SPECIFICATION EM-002. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.2 AND AWS D1.3
2. ATTACH ITEM 10 (NUT PLATE ASSY) TO ITEM 2 (POST TOP PLATE) USING PART 13 (FLT HD BOLT) PRIOR TO WELDING ITEM 2 TO ITEM 1 (6" SQ STRUCT TUBING)
3. REAL TOLERANCES EXPECTED TO EXCEED 1".

REFERENCE DWGS:

E-FA1002	NSTX PLATFORM SUPPORT DETAILS
E-FA1001	NSTX PLATFORM SUPPORT ASSEMBLY
SE730-002	NCSX PLATFORM LAYOUT

	A/R	21	NUT, HEX 5/8-11	COMM	A325 C.S.
	A/R	20	WASHER, FLAT 5/8 EXTRA THK GR8	COMM	A325 C.S.
	A/R	19	BOLT, HEX HD 5/8-11 x 2 1/2 LNG	COMM	A325 C.S.
	4	18	BOLT, HEX HD 5/8-11 x 2 LNG	COMM	A325 C.S.
	A/R	17	HILTI DROP-IN ANCHOR (HDI-1/2")	COMM	C.S.
	A/R	16	NUT, HEX 1/2-13	COMM	A325 C.S.
	A/R	15	WASHER, FLAT 1/2	COMM	A325 C.S.
	A/R	14	ROD, THRD 1/2-13 x 7 LNG	COMM	C.S.
	2	13	SCREW, FLAT HD 1/4-20 x 3/4 LNG	COMM	18-8 STN STL
	A/R	12	I-BEAM END PLATE ASSEMBLY	E-FA1002-02	SEE DWG
	A/R	11	STIFFENER PLATE	E-FA1002-12	SEE DWG
	1	10	NUT PLATE ASSEMBLY	E-FA1002-01	SEE DWG
	1	9	FLOOR PLATE	E-FA1002-5	SEE DWG
	4	8	SLEEVE, INSUL 7/8OD x 5/8ID x 15/16 $^{+1/16}_{-0}$ THK	THIS DWG	G-10
	4	7	WASHER, INSUL 1 9/16 SQ .906 ID x 1/8 THK	THIS DWG	G-10
	1	6	PLATE, INSULATOR 6 x 6 x 1/8 THK	THIS DWG	G-10
	1	5	PLATE, BOX BOTTOM 6 x 6 x 1/2 THK	THIS DWG	6061 T6 ALUM
	2	4	PLATE, SIDE 13.285LG x 5 1/2 x 1/4THK	THIS DWG	6061 T6 ALUM
	1	3	PLATE, INSULATOR 11 1/8 x 11 1/8 x 1/8THK	THIS DWG	G-10
	1	2	PLATE, POST TOP 11 x 11 x 1/2 THK	THIS DWG	6061 T6 ALUM
	1	1	TUBE, 6X6 SQUARE TUBING X 1/4 WALL	THIS DWG	6061 T6 ALUM
		--	PLATFORM COLUMN SUPPORT ASSY	THIS DWG	--
02	01	PART NO.	NOMENCLATURE OR DESCRIPTION	DRAWING NO.	**MATERIAL**

NCSX-SE730-003

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 63	NCSX PLATFORM COLUMN SUPPORT ASSEMBLY	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020		
	TOLERANCES NON-CUMULATIVE	DSN: M.MESSINEO	06-16-05
NEXT ASSEMBLY	DECIMAL-INCH / FRACTIONS	CHK: E.PERRY	06-16-05
SE730-002	.X +/-.100 / 0°-12° +/-1/16; .XX +/-.030 / 12°-72° +/-1/8; .XXX +/-.005 / 72°-120° +/-1/4; ANGULAR +/-0°-15' / OVER 120° +/-1/2	ENGR: E.PERRY	06-16-05
		SUPV: J. SIEGEL	06-16-05

DRAWING NO: **SE730-003**

SHEET 1 OF 1 REV 0

WEIGHT	MODEL NAME	
	SE730-003	
	WELDING ENGINEER	L.DUDEK 06-16-05

RELEASE LEVEL: WIP

DWG VERSION NO: 7

NCSX_ASSY_FORMAT_E