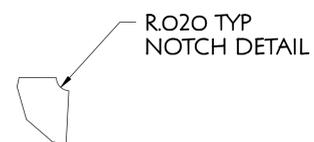
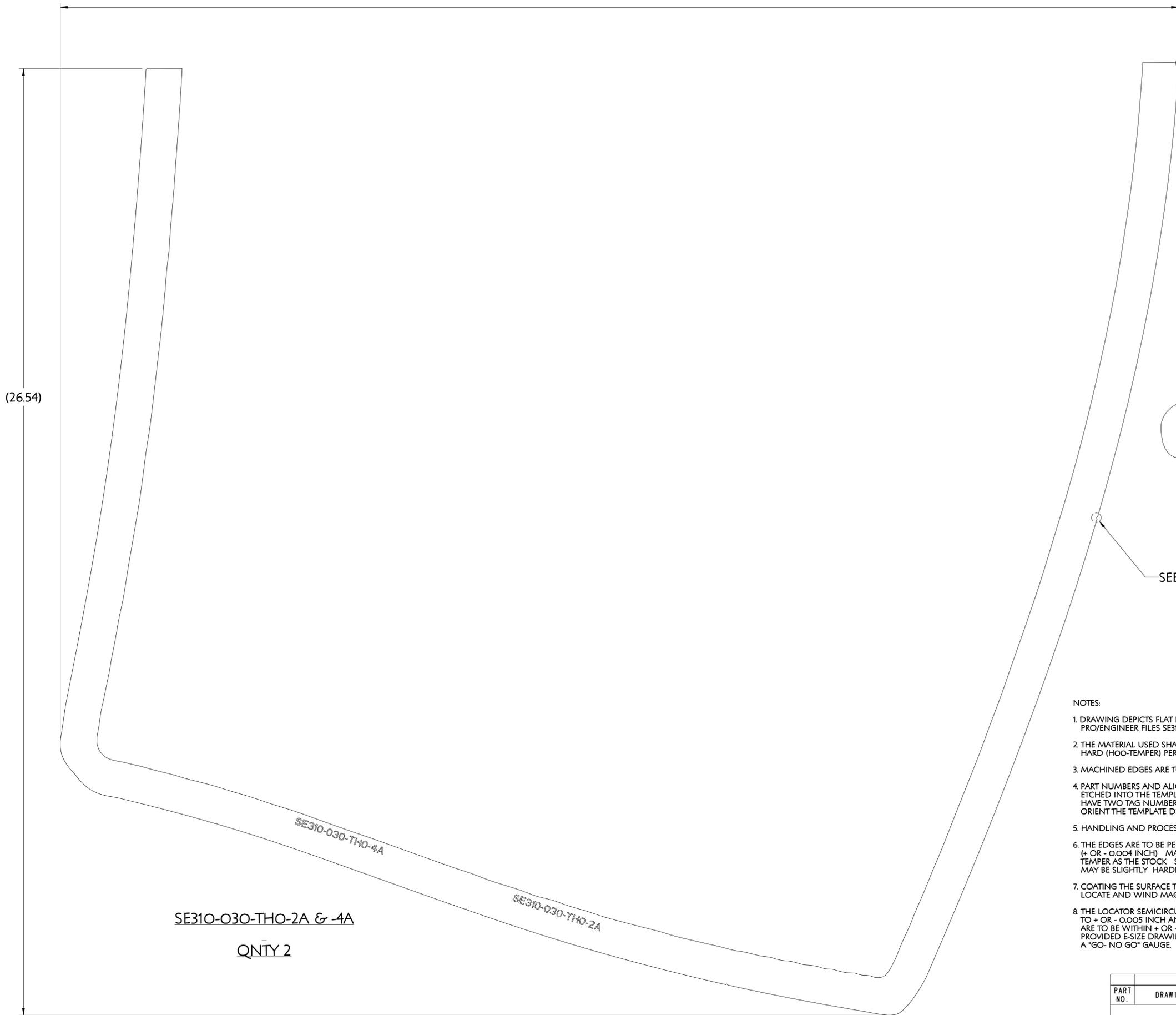
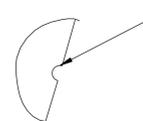


NO.	REVISION	BY	CH	SUP	APPROVED	DATE



DETAIL A
SCALE 10.000



DETAIL B
SCALE 6.000

SEE DETAIL B

NOTES:

- DRAWING DEPICTS FLAT PATTERN OF FORMED PARTS DEFINED BY PRO/ENGINEER FILES SE310-030-B*.PRT.
- THE MATERIAL USED SHALL BE COPPER ALLOY UNS C 11000, ANNEALED OR 1/8 HARD (H00-TEMPER) PER ASTM B370 OR ASTM B152
- MACHINED EDGES ARE TO BE DEBURRED AND SMOOTH TO PRECLUDE INJURY FROM HANDLING.
- PART NUMBERS AND ALIGNMENT ARROWS ARE TO BE PERMANENTLY MECHANICALLY ETCHED INTO THE TEMPLATE SURFACE EXACTLY AS SHOWN IN THE DRAWING. SOME TEMPLATES HAVE TWO TAG NUMBERS AND ALIGNMENT ARROWS. TAG NUMBERS AND ARROWS ARE USED TO ORIENT THE TEMPLATE DURING INSTALLATION.
- HANDLING AND PROCESSING SHALL BE CONTROLLED TO MINIMIZE WORK HARDENING.
- THE EDGES ARE TO BE PERPENDICULAR TO THE TEMPLATE SURFACE TO + OR - 5 DEGREES (+ OR - 0.004 INCH) MACHINED TEMPLATES ARE TO BE DELIVERED TO PPPL WITH THE SAME TEMPER AS THE STOCK SHEETS (RAW MATERIAL). IT IS RECOGNIZED THAT THE CUT EDGES MAY BE SLIGHTLY HARDENED FROM THE CUTTING PROCESS.
- COATING THE SURFACE TO FACILITATE MACHINING IS PERMITTED. THE TEMPLATES ARE USED TO LOCATE AND WIND MAGNETIC COILS AND ARE REMOVED AFTERWARD.
- THE LOCATOR SEMICIRCULAR HOLES AND THEIR RESPECTIVE LOCATIONS ARE TO BE POSITIONED TO + OR - 0.005 INCH AND VERIFIED BY INSPECTION. THE GENERAL TEMPLATE DIMENSIONS ARE TO BE WITHIN + OR - 0.020 INCH OF THE IDEAL GEOMETRY (DXF MODEL). THE PPPL PROVIDED E-SIZE DRAWINGS WITH FULL SCALE TEMPLATES ARE TO BE USED BY THE VENDOR AS A "GO- NO GO" GAUGE.

SE310-030-THO-2A & -4A

QNTY 2

SE310-030-THO-4A

SE310-030-THO-2A

WEIGHT	0.0 lbs
MODEL NAME	SE310-030-THO2B
WELDING ENGINEER	

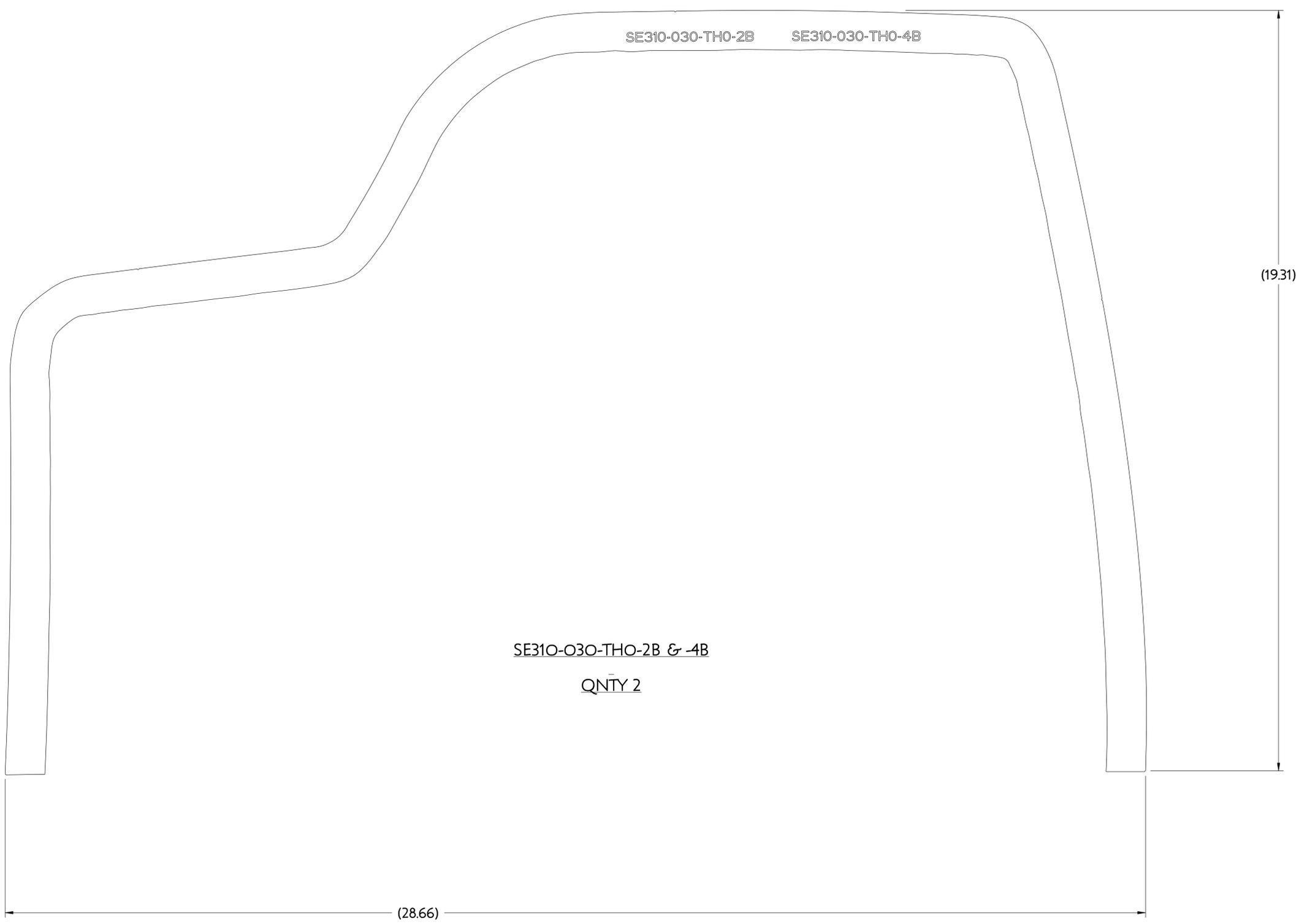
RELEASE LEVEL:
DWG VERSION NO:

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REOD	SEE NOTES
PARTS LIST					
COMPUTER GENERATED DRAWING	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY			
MANUAL CHANGES NOT PERMITTED	UNLESS OTHERWISE SPECIFIED	NATIONAL COMPACT STELLARATOR EXPERIMENT			
Pro E	DIMENSIONS ARE IN INCHES	DIAGNOSTICS			
DO NOT VERIFY INFORMATION BY SCALING DRAWING	MACHINE SURFACES	MAGNETIC LOOP TEMPLATE SERIES THO-2			
	BREAK SHARP EDGES .005/.020				
SCALE 1.000	TOLERANCES NON-CUMULATIVE	DSN: T. BROWN	1/12/06	DRAWING NO:	
NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS	CHK: J. RUSHINSKI	1/12/06	SE310-030-THO-2	
	.XX +/- .000 0°-12° +/- .004	ENGR: G. LABIK	1/12/06	SHEET 1 OF 2	
	.XXX +/- .005 12°-120° +/- .014	SUPV: J. SIEGEL	1/12/06	REV 0	
	ANGULAR +/- 0°-15° OVER 120° +/- .172				

C:\CSX-SE310-030-THO-2

NO.	REVISION	BY	CH	SUP	APPROVED	DATE

FOR NOTES SEE SHEET 1



PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
PARTS LIST				
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	DIAGNOSTICS MAGNETIC DIAGNOSTICS MAGNETIC LOOP TEMPLATE SERIES THO-2		
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020	TOLERANCES NON-CUMULATIVE	DSN: T. BROWN 1/12/06	DRAWING NO:
WEIGHT 0.0 lbs	MODEL NAME SE310-030-THO2B	DECIMAL-INCH FRACTIONS	CHK: J. RUSHINSKI 1/12/06	SE310-030-THO-2
RELEASE LEVEL: WIP DWG VERSION NO: 5	WELDING ENGINEER	NEXT ASSEMBLY	ENGR: G. LABIK 1/12/06	SHEET 2 OF 2
			SUPV: J. SIEGEL 1/12/06	REV 0

SCALE 1:1000