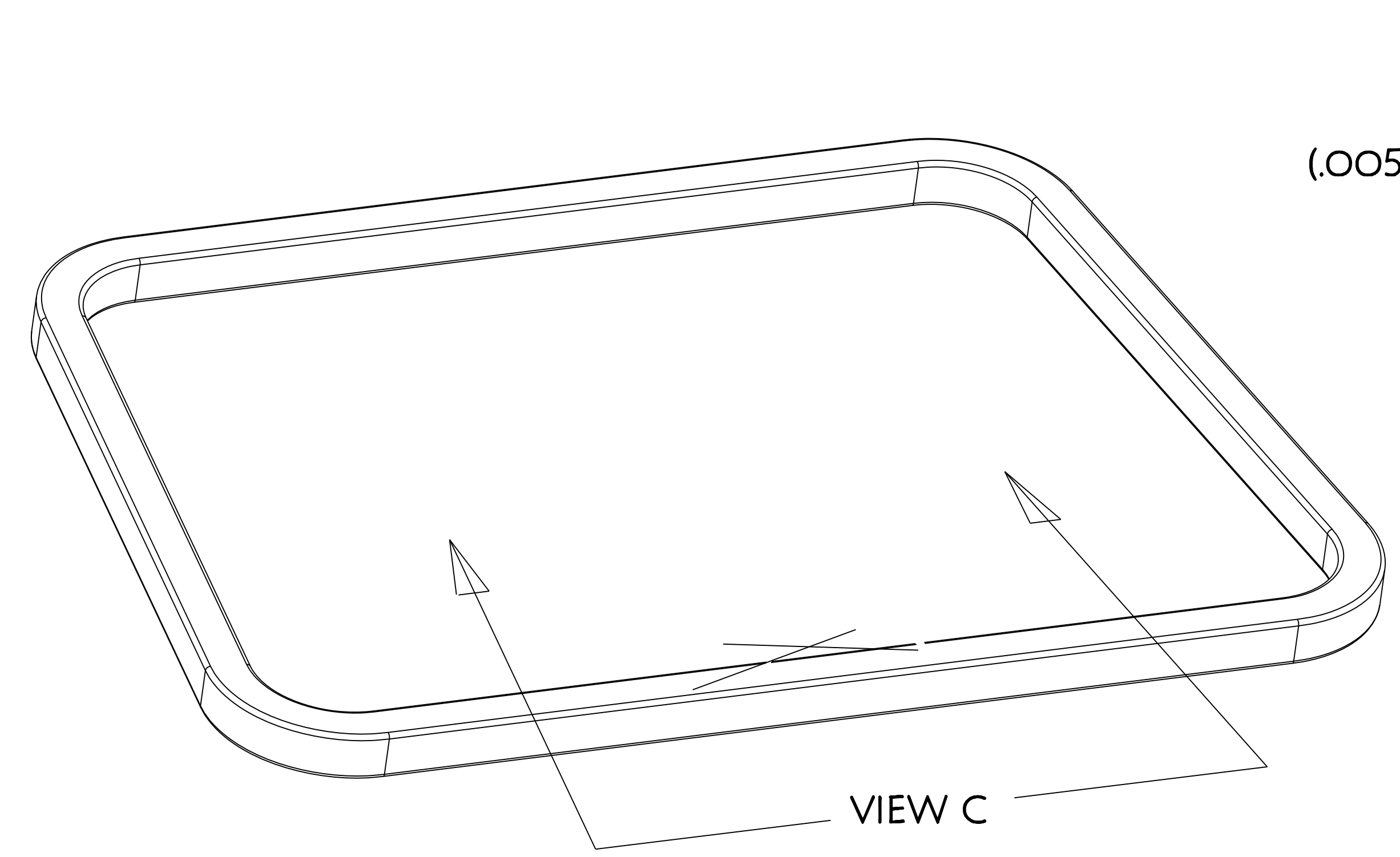
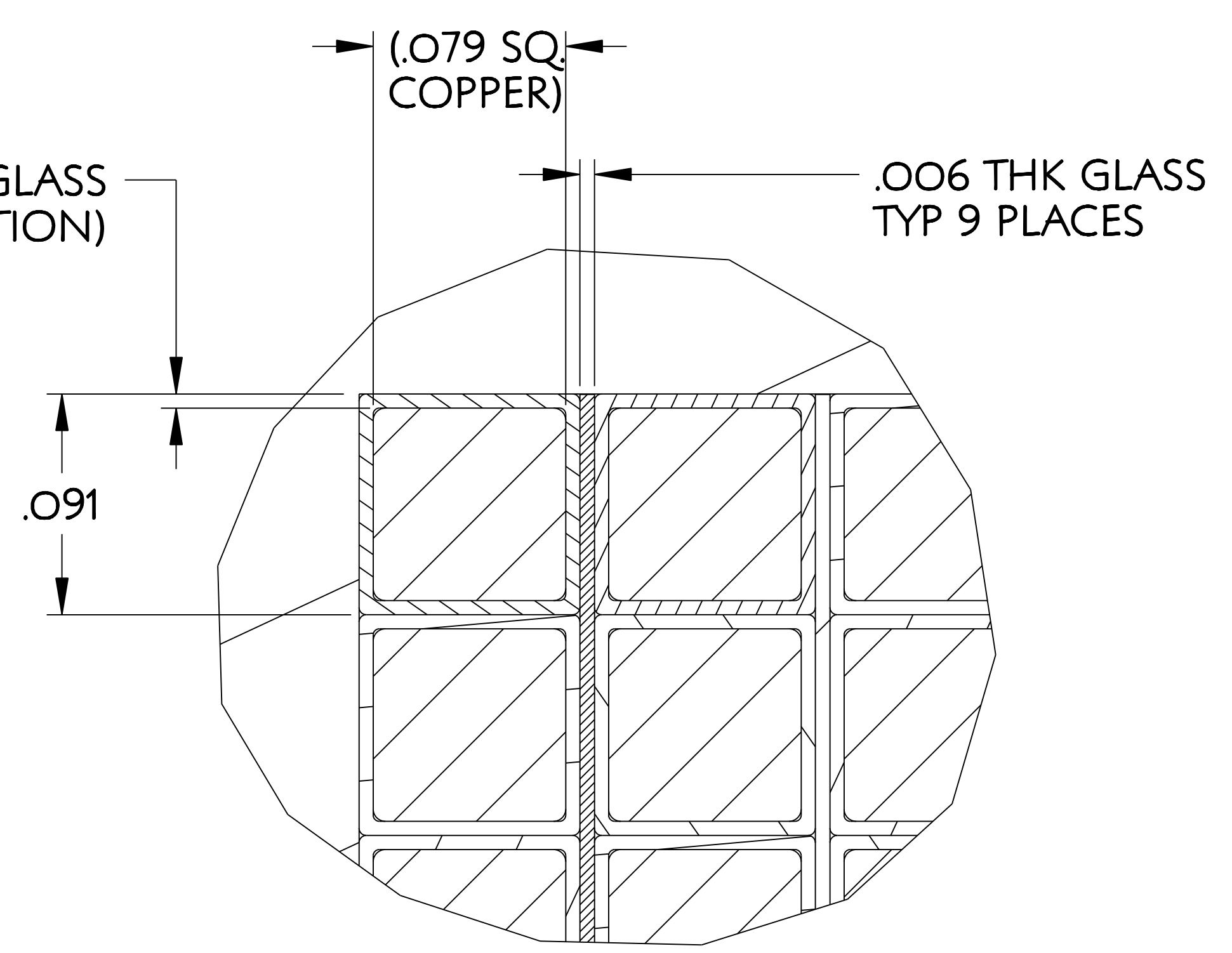


NO.	REVISION	BY	CH	SUP	APPROVED	DATE

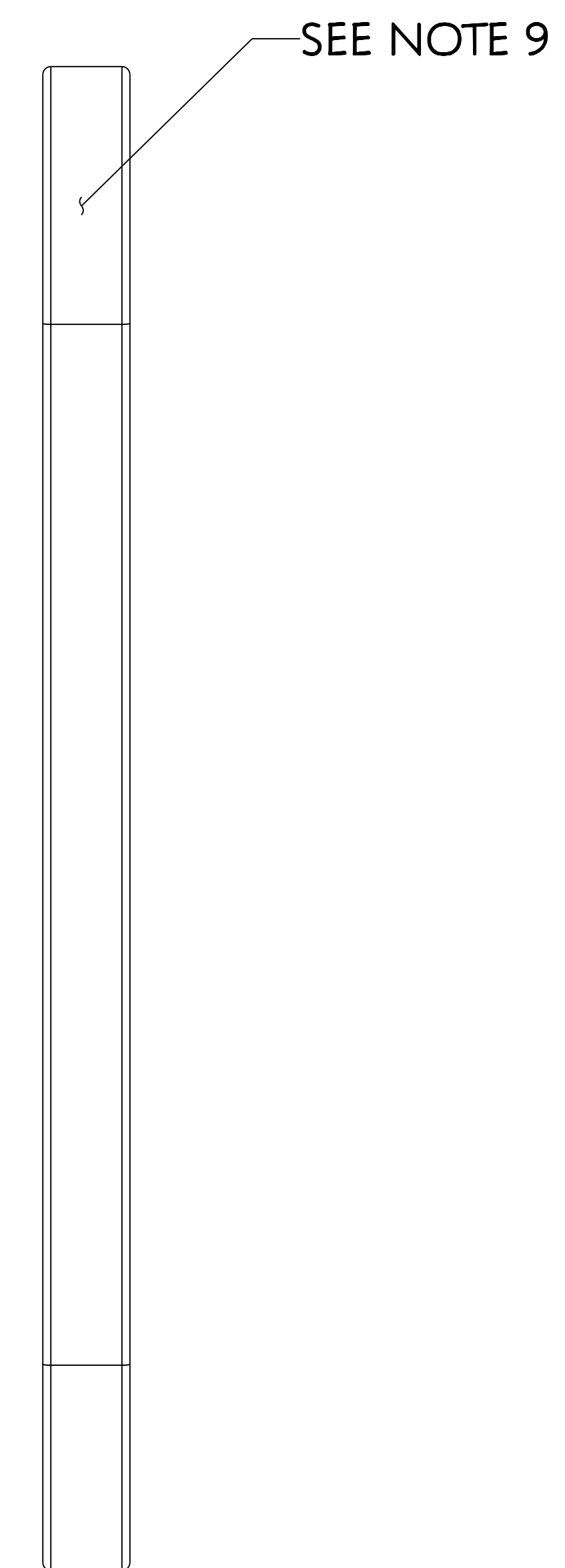
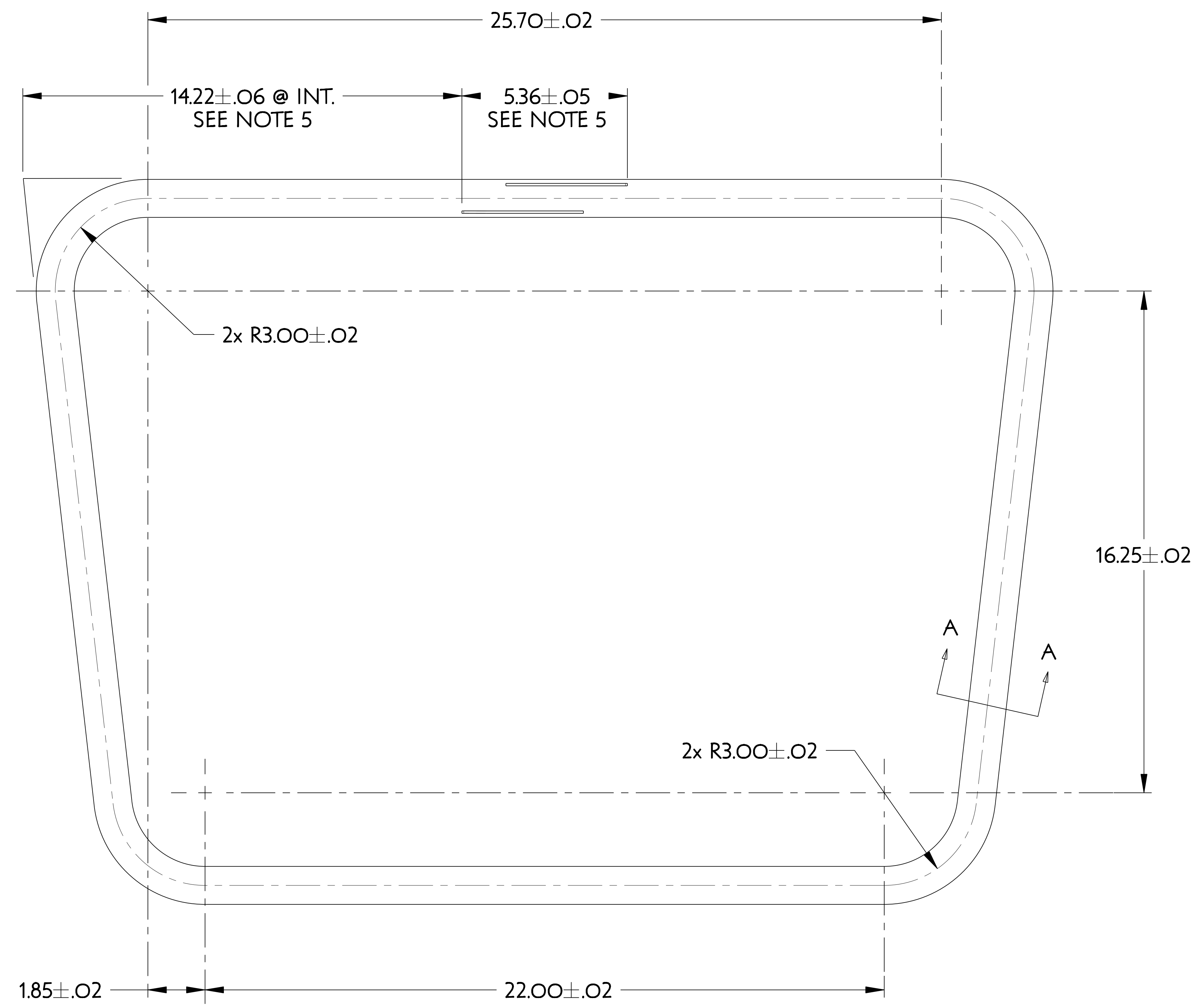
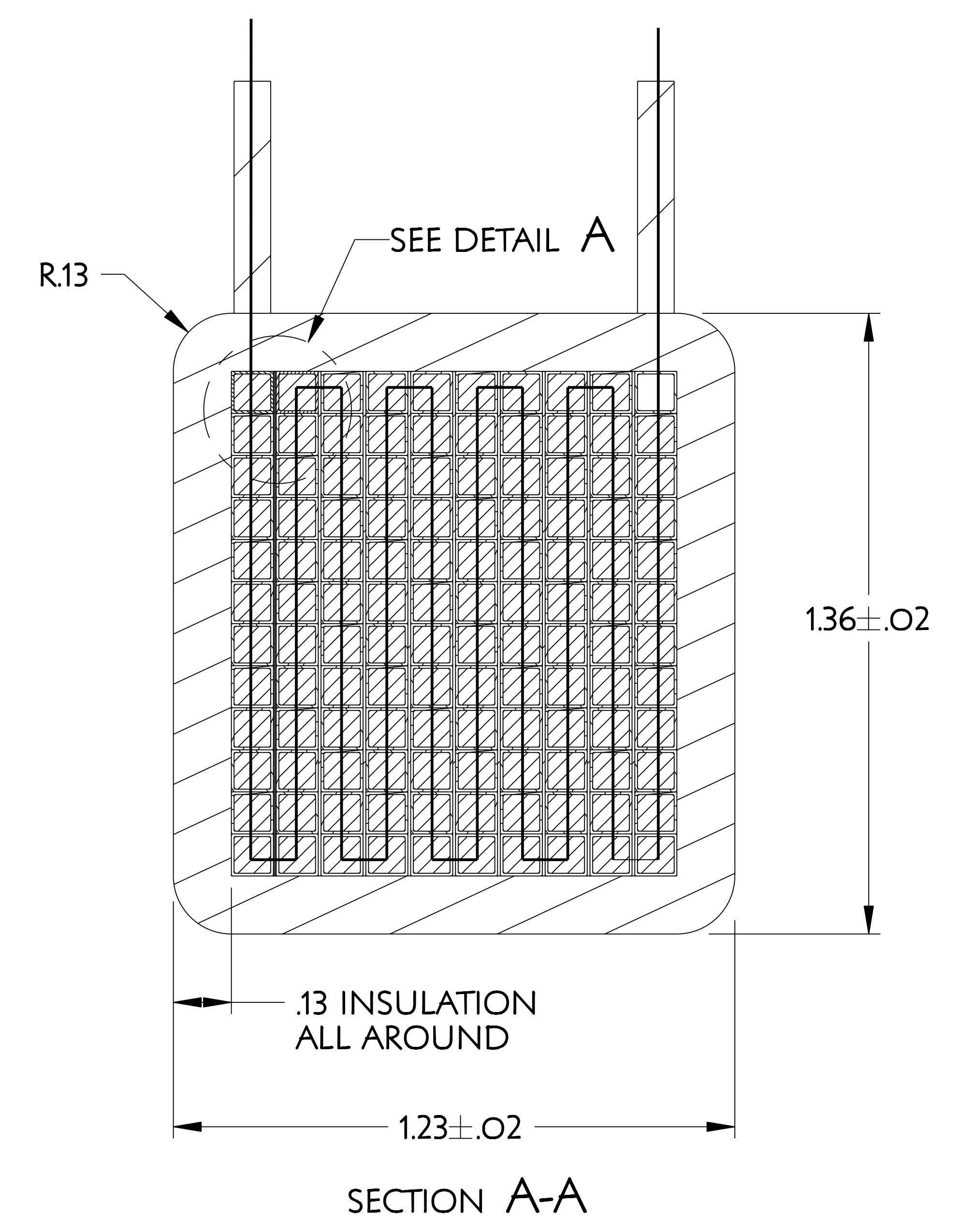


(.0058 THICK KAPTON/DRY GLASS TURN INSULATION)



DETAIL A
SCALE 20

10 x 12 LAYERS



NOTES:

- DRAWINGS PREPARED IN ACCORDANCE WITH ASME Y14.100-2000
- INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-1994.
- DIMENSIONS ARE IN INCHES.
- SEE SPECIFICATION NCSX-CSPEC-133-01 FOR ADDITIONAL INFORMATION AND/OR MATERIAL REQUIREMENTS.
- WIRE LEAD STARTS TO PROTRUDE BEYOND OUTSIDE SURFACE AT THIS POINT.
- LEADS TO PROTRUDE FROM GROUND WRAP A MINIMUM OF 6 INCHES.
- SLEEVE LEAD WITH TWO LAYERS OF PTFE HEAT SHRINK TUBING TO A MINIMUM OF 1/2" UNDER THE GROUND WRAP AS SPECIFIED IN NCSX-CSPEC-133-01.
- LEADS TO BE FRIMLY ATTACHED TO THE COIL BODY USING A METHOD APPROVED BY PPPL FOR PROTECTION DURING SHIPMENT.
- LABEL PER NCSX CSPEC-133-01.

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting

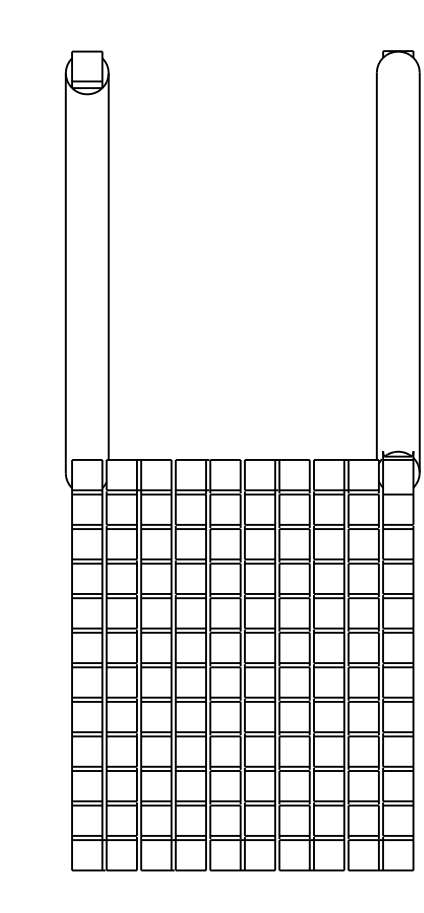
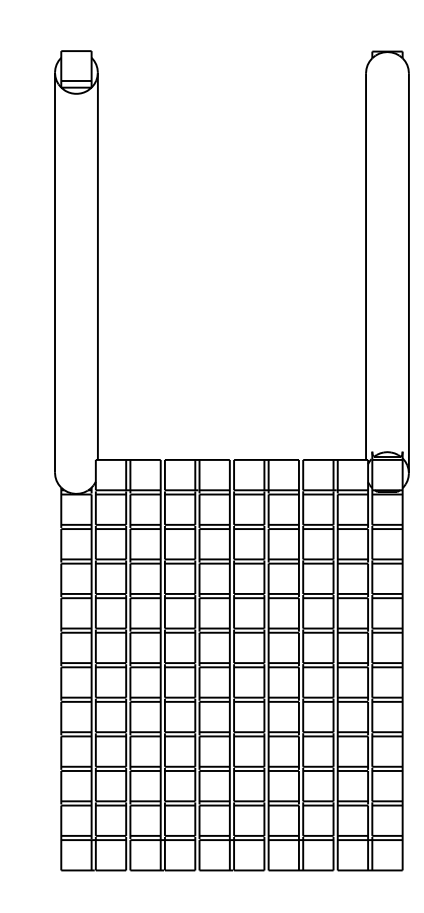
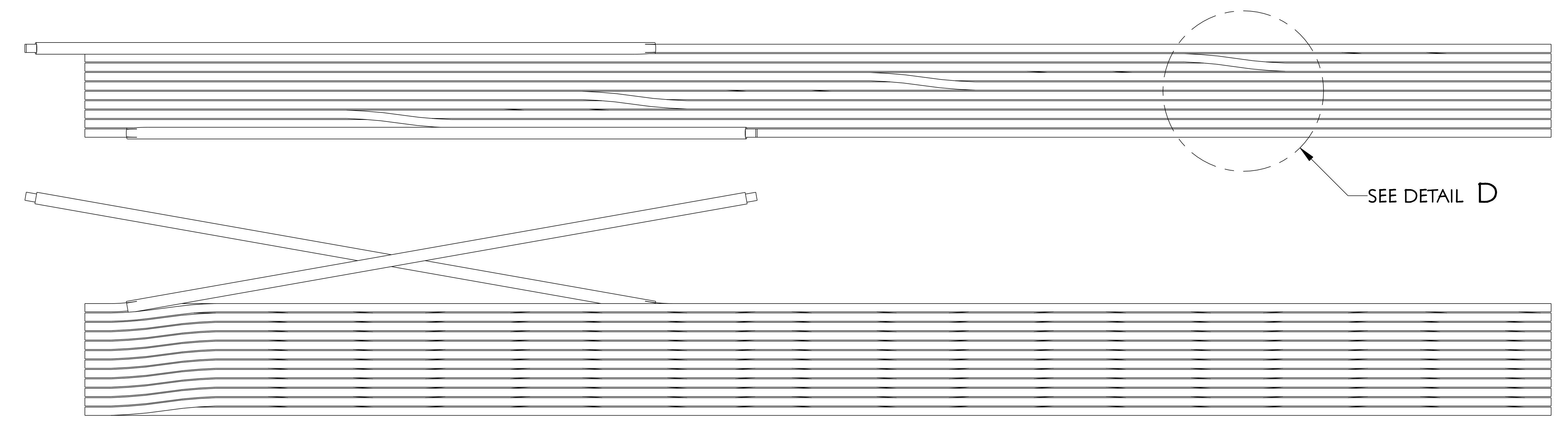
RELEASE LEVEL: WIP
DWG VERSION NO: 2

WEIGHT	164.6 lbs
MODEL NAME	TC133-041
WELDING ENGINEER	

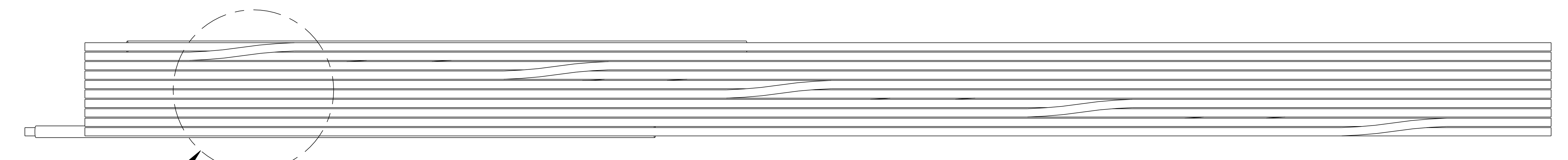
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED	STELLARATOR CORE TRIM COILS TRIM COIL B (TR-B)	
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX ±.000 .XXX ±.005 ANGULAR ±.0°-15° OVER 120° ±.1°-1.2°	DSN: R. UPCAVAGE CHK: M. KALISH ENGR: M. KALISH SUPV: J. SIEGEL	DRAWING NO: 5/14/08 5/14/08 5/14/08 5/14/08 5/14/08
			SHEET 1 OF 2 REV. 1.0

NCSX-SE133-041

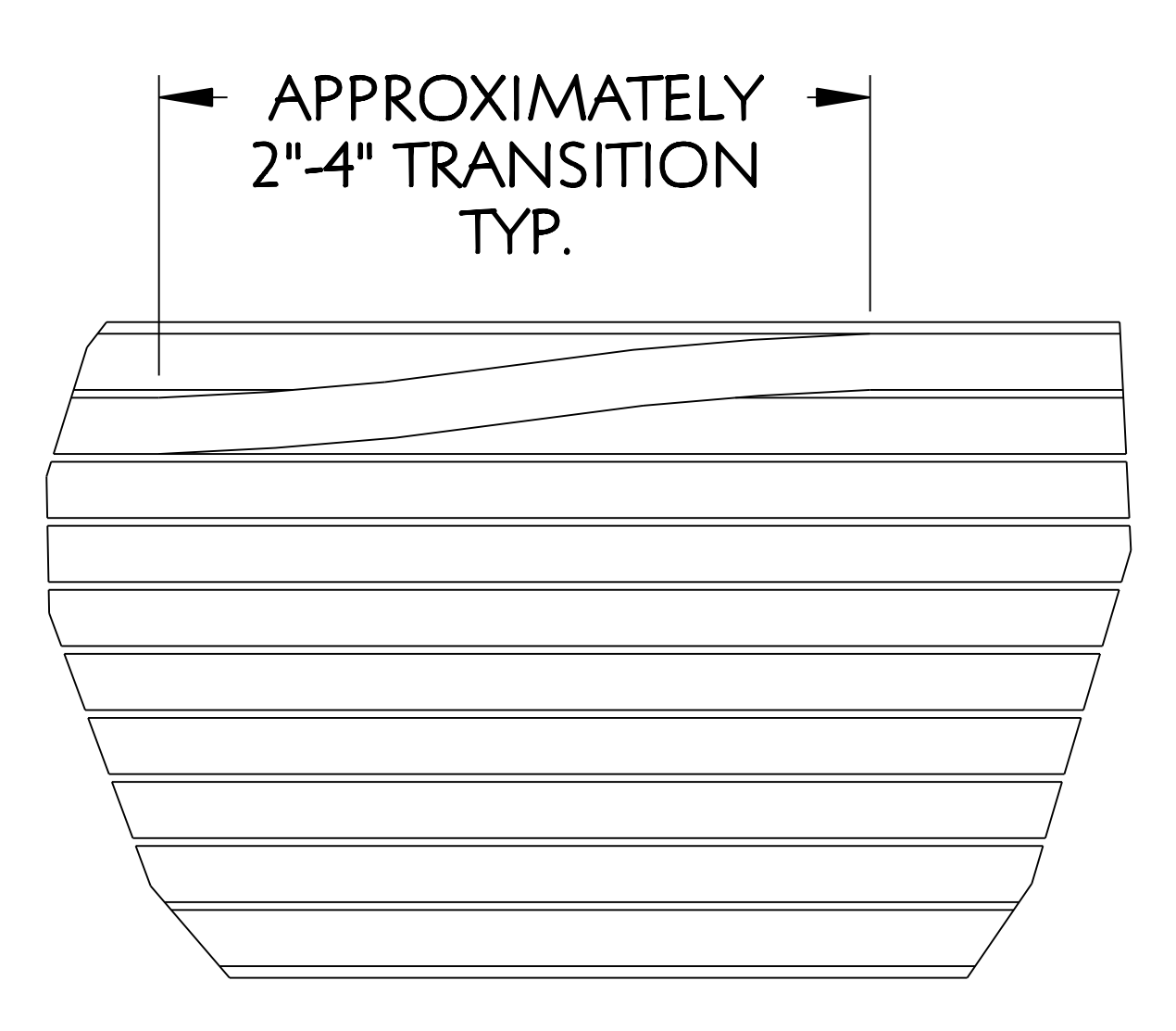
NO.	REVISION	BY	CH	SUP	APPROVED	DATE



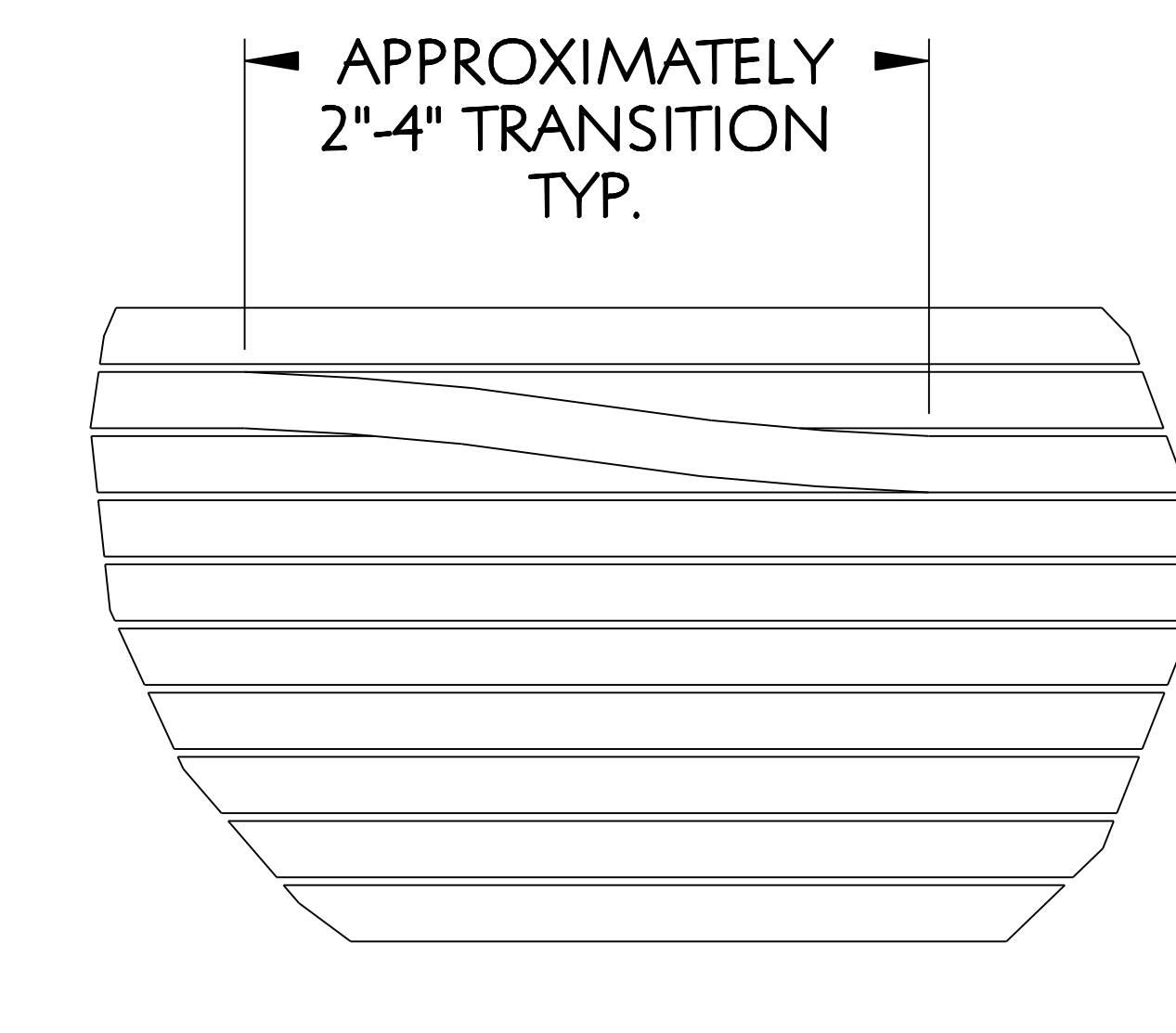
DETAIL C



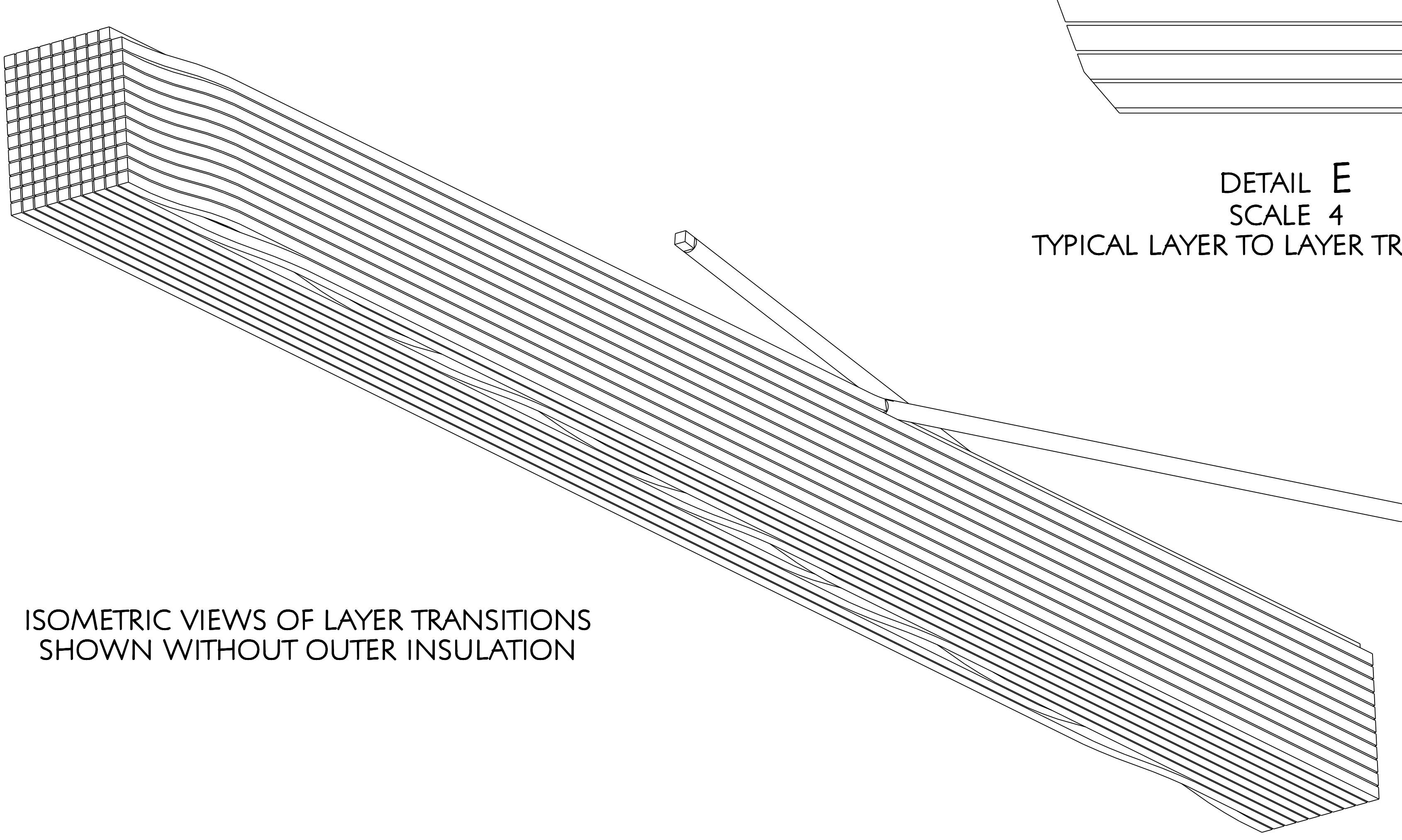
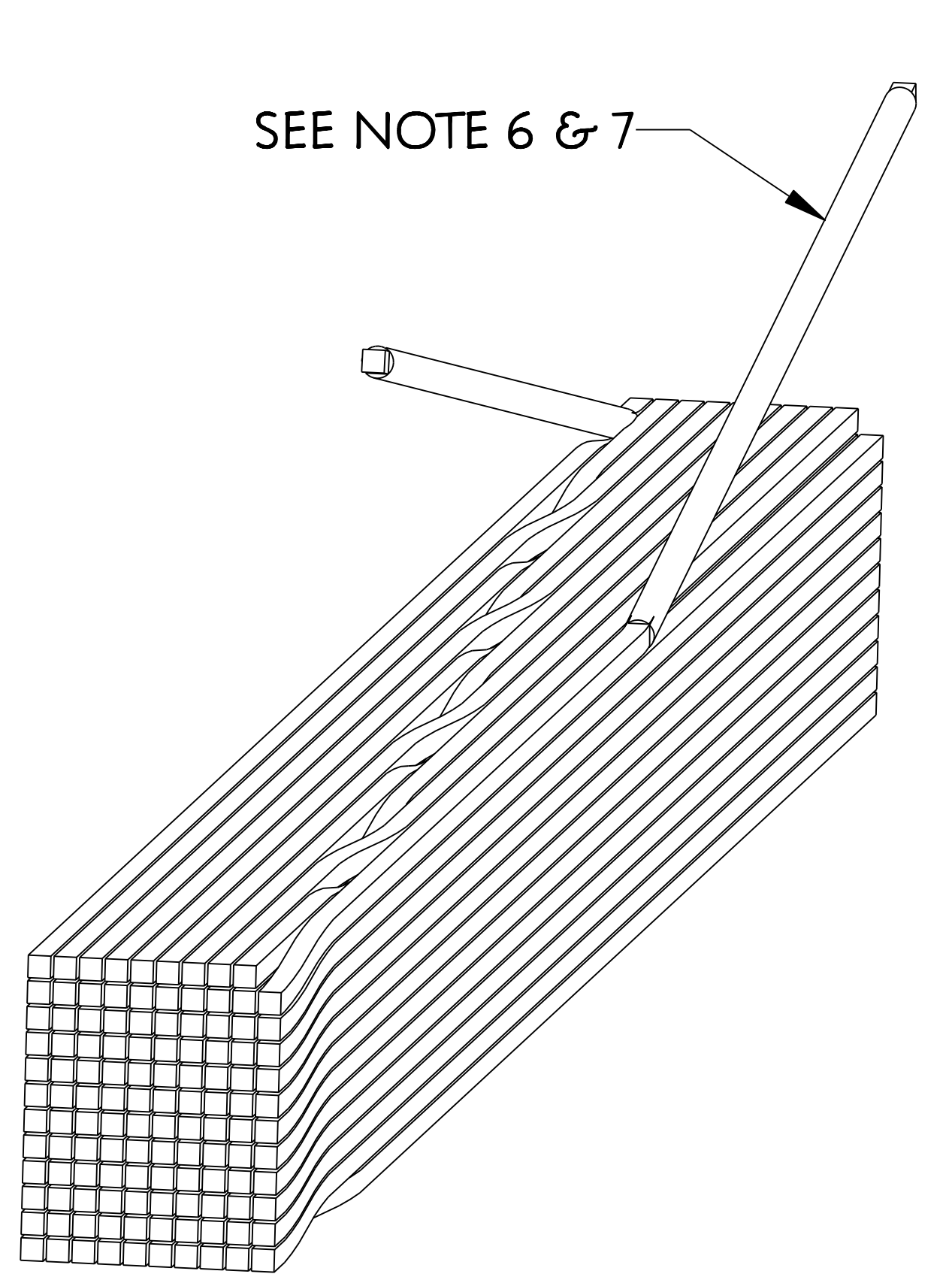
SEE DETAIL E



DETAIL E
SCALE 4
TYPICAL LAYER TO LAYER TRANSITION



DETAIL D
SCALE 4
TYPICAL TURN TO TURN TRANSITION



ISOMETRIC VIEWS OF LAYER TRANSITIONS
SHOWN WITHOUT OUTER INSULATION

RELEASED FOR
FABRICATION / INSTALLATION
PPPL Drafting

RELEASE LEVEL: WIP
DWG VERSION NO: 10

WEIGHT	52.7 lbs
MODEL NAME	TRIM_COIL_TRANSITION
WELDING ENGINEER	

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	STELLARATOR CORE TRIM COILS TRIM COIL B (TR-B)	
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX ±.000 .XXX ±.005 ANGULAR ±.0°-15°	DSN: R. UPCAVAGE 5/14/08	DRAWING NO: SE133-041
		CHK: M. KALISH 5/14/08	ENGR: M. KALISH 5/14/08
		SUPV: J. SIEGEL 5/14/08	SHEET 2 OF 2 REV D, 10

NCSX-SE133-041