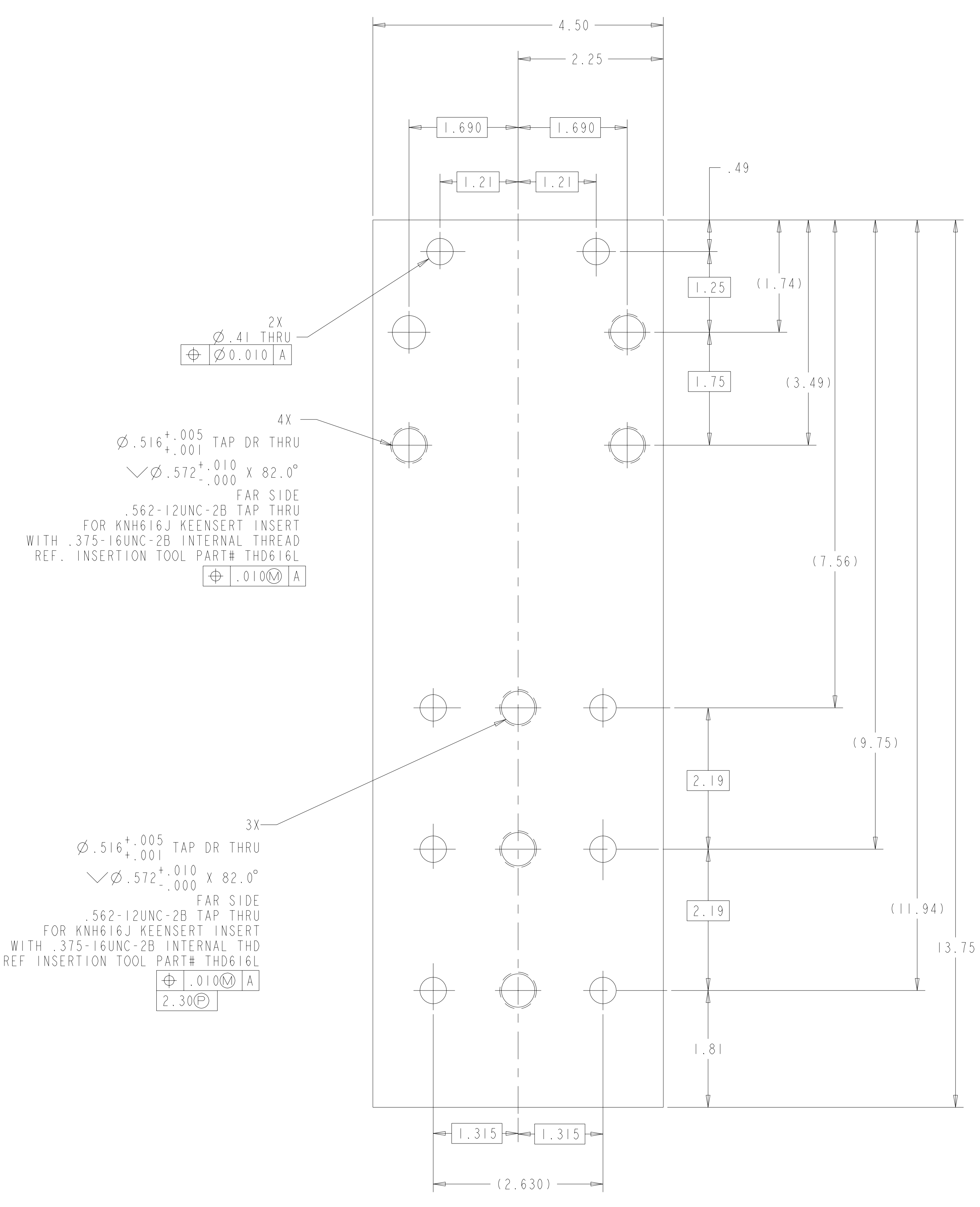


NOTES:
 1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004
 2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994
 3. DIMENSIONS ARE IN INCHES
 4. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.
 5. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES SE142C-047.PRT
 6. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART.
 7. MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM
 SEVERN ENGINEERING
 555 OLD STAGE RD., SUITE 14
 AUBURN, ALABAMA 36830



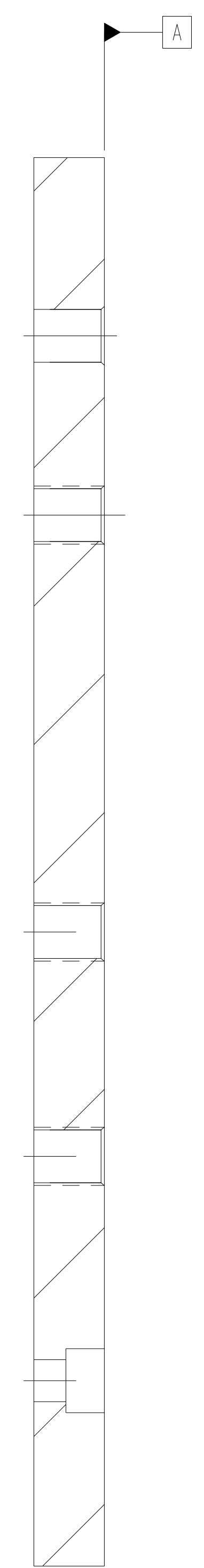
2X
 $\varnothing .41$ THRU
 $\varnothing .010$ A

4X
 $\varnothing .516^{+.005}_{-.001}$ TAP DR THRU
 $\sphericalangle \varnothing .572^{+.010}_{-.000} \times 82.0^\circ$
 FAR SIDE
 .562-12UNC-2B TAP THRU
 FOR KMH616J KEENSERT INSERT
 WITH .375-16UNC-2B INTERNAL THREAD
 REF. INSERTION TOOL PART# THD616L
 $\varnothing .010$ A

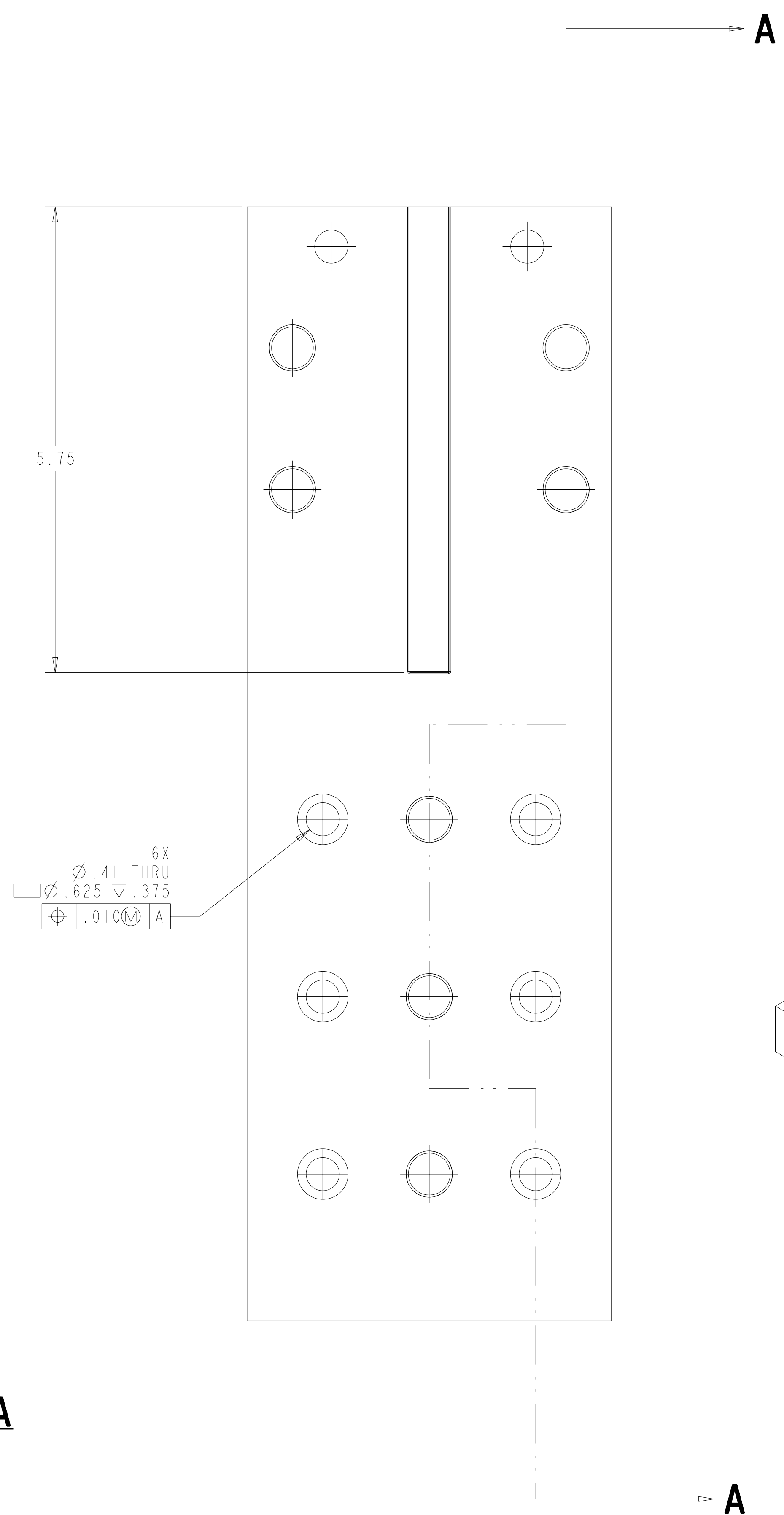
3X
 $\varnothing .516^{+.005}_{-.001}$ TAP DR THRU
 $\sphericalangle \varnothing .572^{+.010}_{-.000} \times 82.0^\circ$
 FAR SIDE
 .562-12UNC-2B TAP THRU
 FOR KMH616J KEENSERT INSERT
 WITH .375-16UNC-2B INTERNAL THD
 REF INSERTION TOOL PART# THD616L
 $\varnothing .010$ A
 2.30

BOTTOM VIEW 1

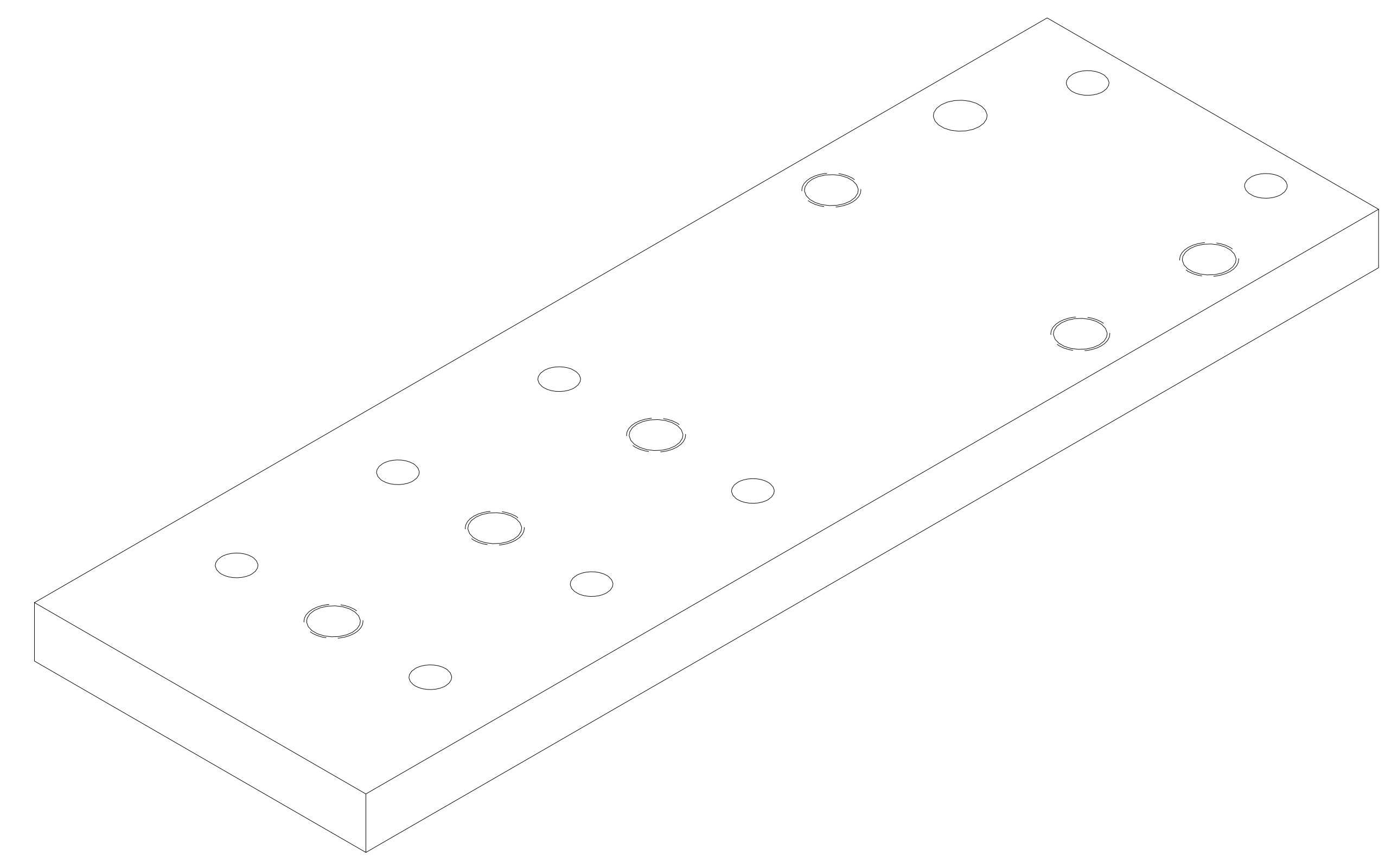
SCALE 1 : 1



SECTION A-A
 SCALE 1.00



TOP VIEW 1



ISOMETRIC VIEW

RELEASED FOR FABRICATION / INSTALLATION
 PPPL Drafting

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE PART AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					
0	INITIAL RELEASE	GLL	6-05				DEW					

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE PART AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					
0	INITIAL RELEASE	GLL	6-05				DEW					

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE PART AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					
0	INITIAL RELEASE	GLL	6-05				DEW					

SCALE	NOTED	DES	DRW	CHK	SECT	DEPT	PE	CR	PJ	REQ	FINISH
SCALE 1:1	TOLERANCES UNLESS OTHERWISE SPECIFIED	P FOGARTY	G LOVETT	M COLE			D WILLIAMSON				.125 UNLESS OTHERWISE SPECIFIED
	FRACTIONS										
	XX DECIMALS										
	XXX DECIMALS										
	ANGLES										
	BREAK SHARP EDGES										
	FINISH										

DES	DRW	CHK	SECT	DEPT	PE	CR	PJ	REQ	FINISH
P FOGARTY	G LOVETT	M COLE			D WILLIAMSON				.125 UNLESS OTHERWISE SPECIFIED

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
5	X-10	5700	3	1	1	S	U

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

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NATIONAL COMPACT STELLARATOR EXPERIMENT
 MODULAR COIL TYPE-C JUMPERS BASE BLOCK DETAIL
 SE142C-047