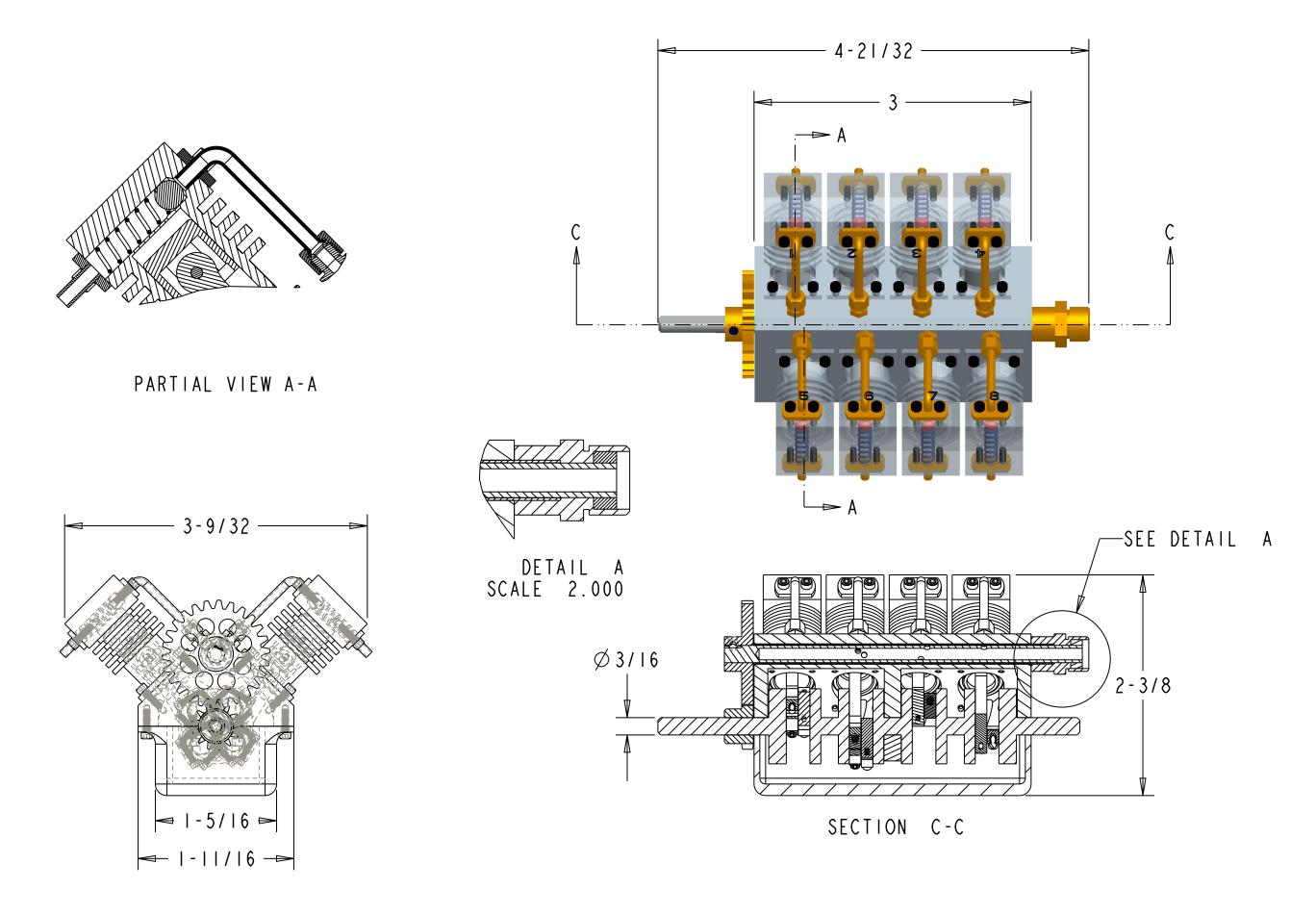
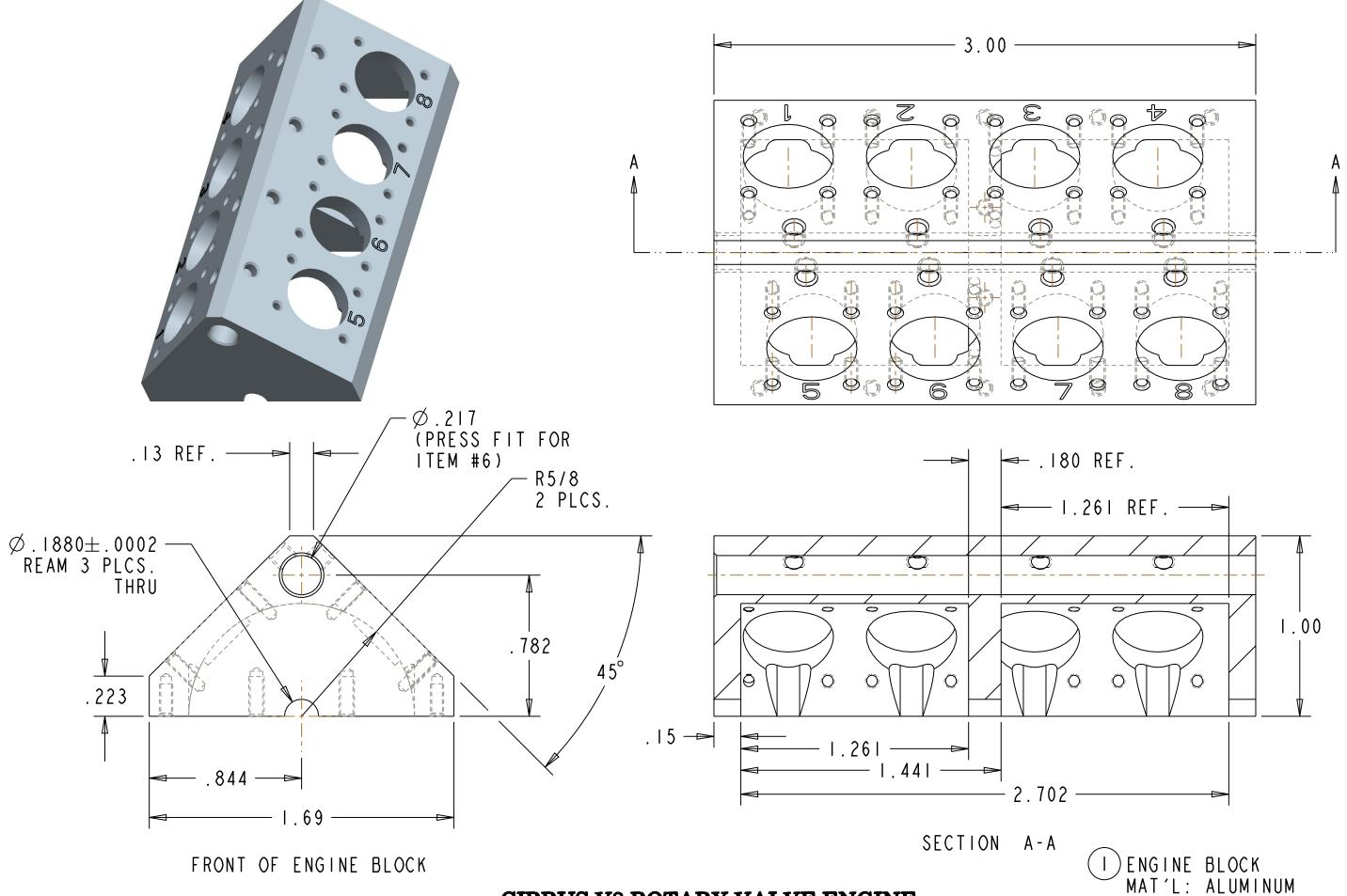


CIRRUS V8 ROTARY VALVE ENGINE *A CHUCK FELLOWS DESIGN*

REDRAWN WITH PERMISSION FROM ENGINE DESIGNER CHUCK FELLOWS BY J. McCLELLAND

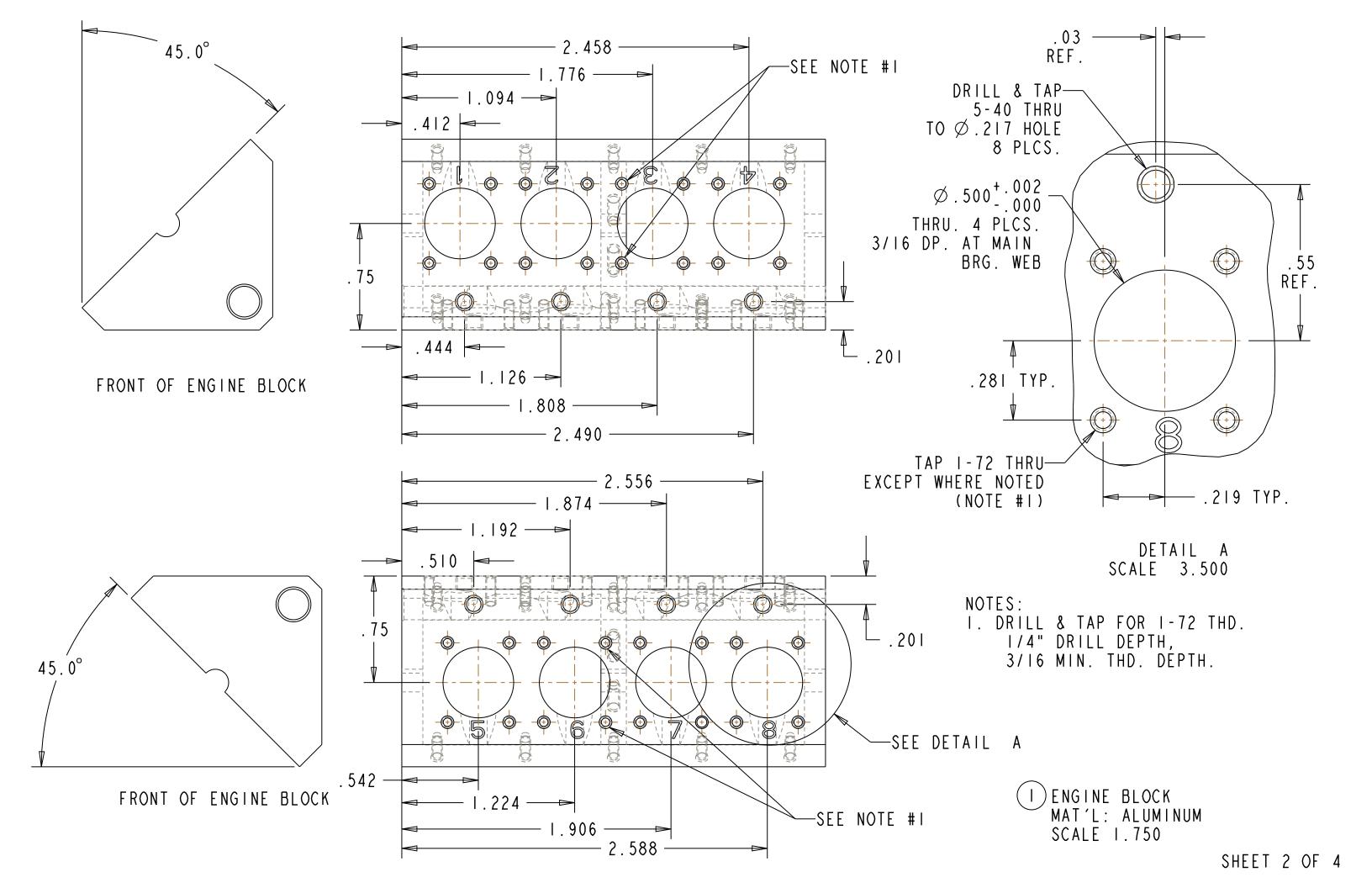


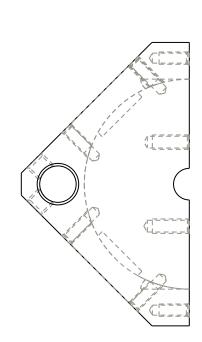
CIRRUS V8 ROTARY VALVE ENGINE
A CHUCK FELLOWS DESIGN



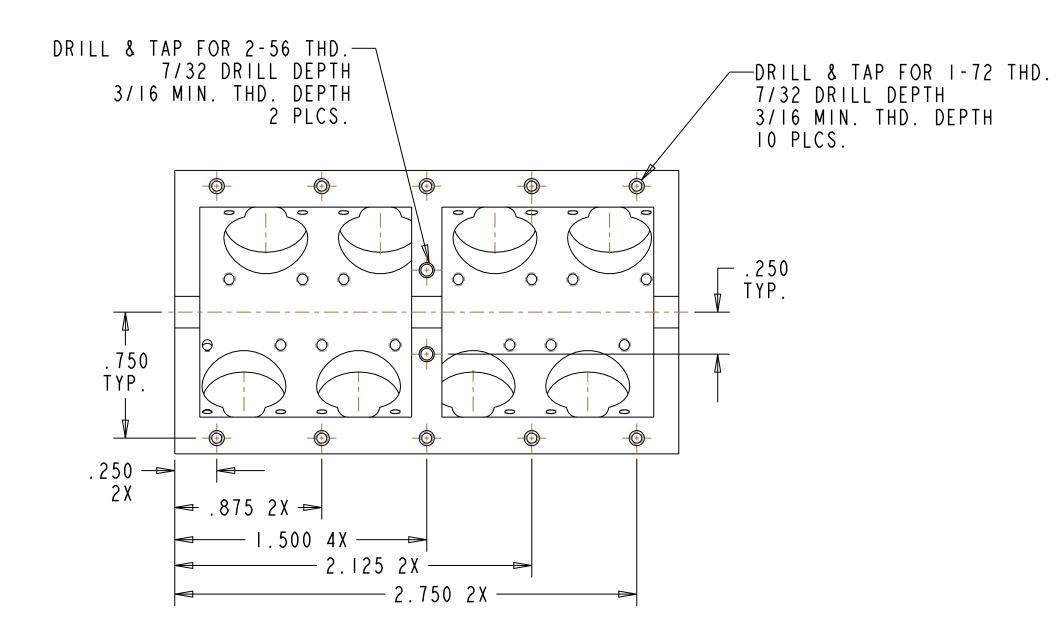
CIRRUS V8 ROTARY VALVE ENGINE
A CHUCK FELLOWS DESIGN

MAT'L: ALUMINUM SCALE 2.000



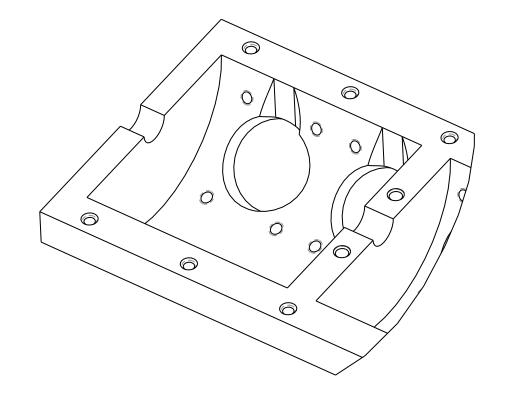


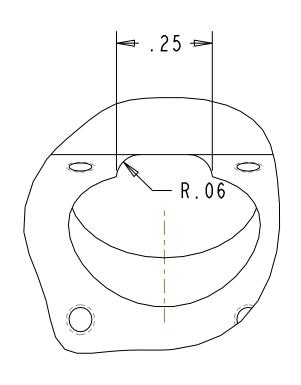
FRONT OF ENGINE BLOCK



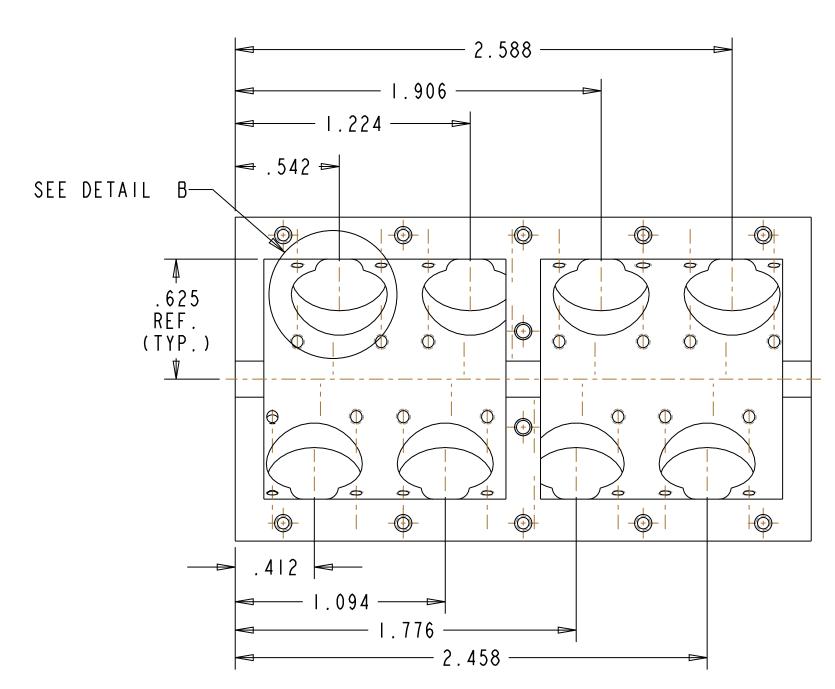
BOTTOM VIEW OF ENGINE BLOCK (OIL PAN & MAIN BEARING MOUNTING HOLES)

ENGINE BLOCK
MAT'L: ALUMINUM
SCALE 1.750





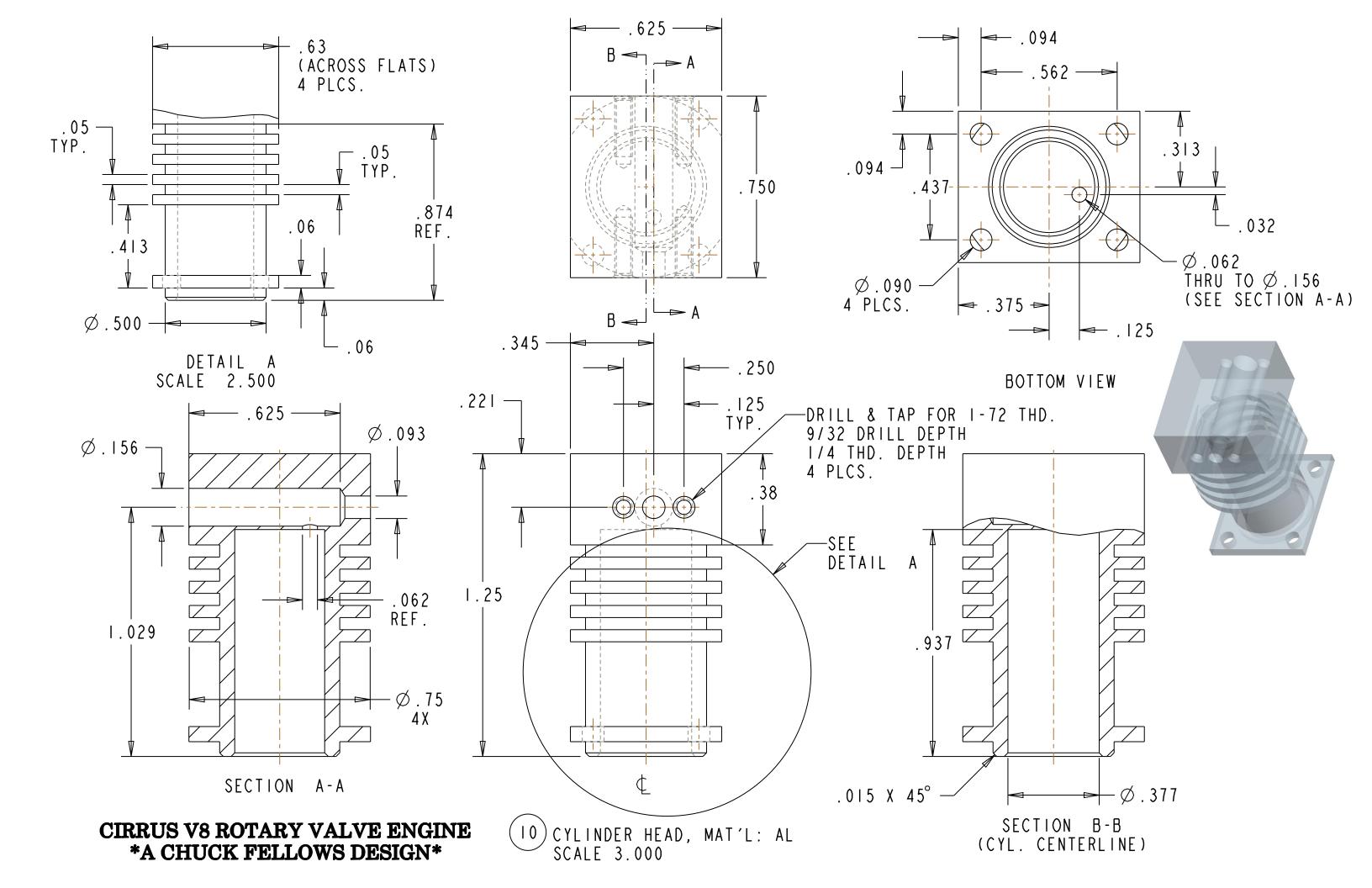
DETAIL B

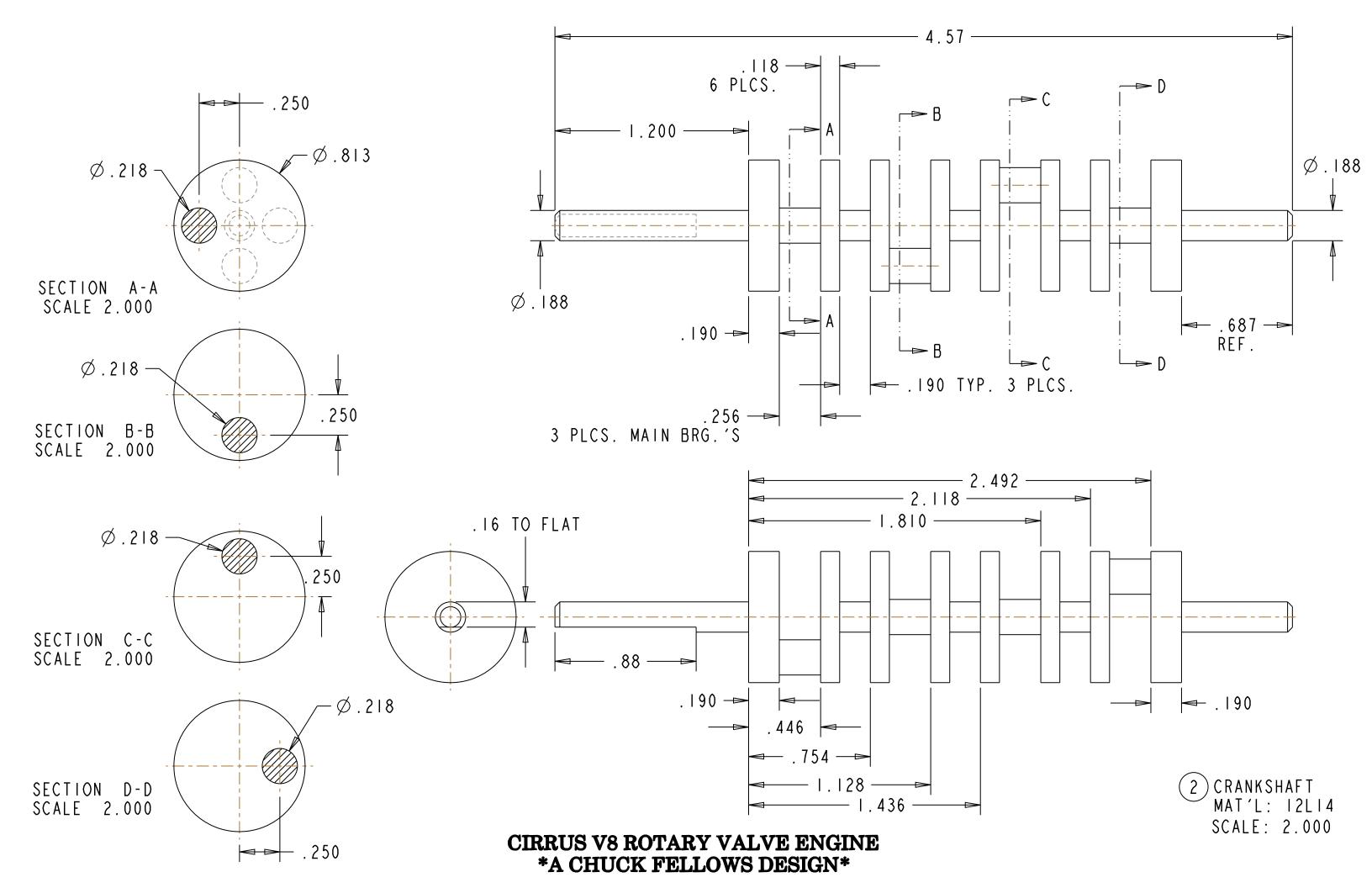


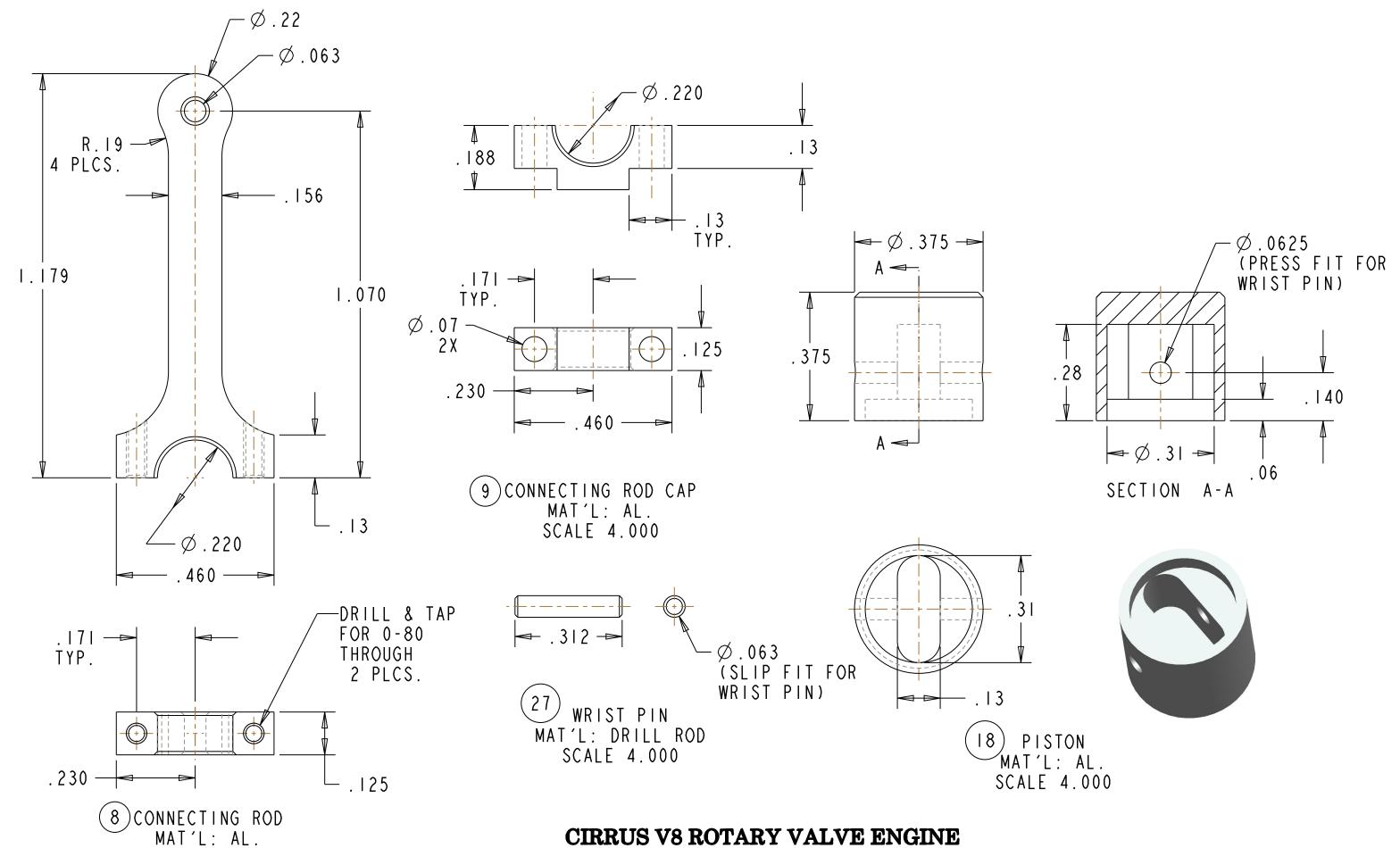
(BOTTOM VIEW OF BLOCK)

CONNECTING ROD RELIEF CUTS

I ENGINE BLOCK
MAT'L: ALUMINUM
SCALE 2.000

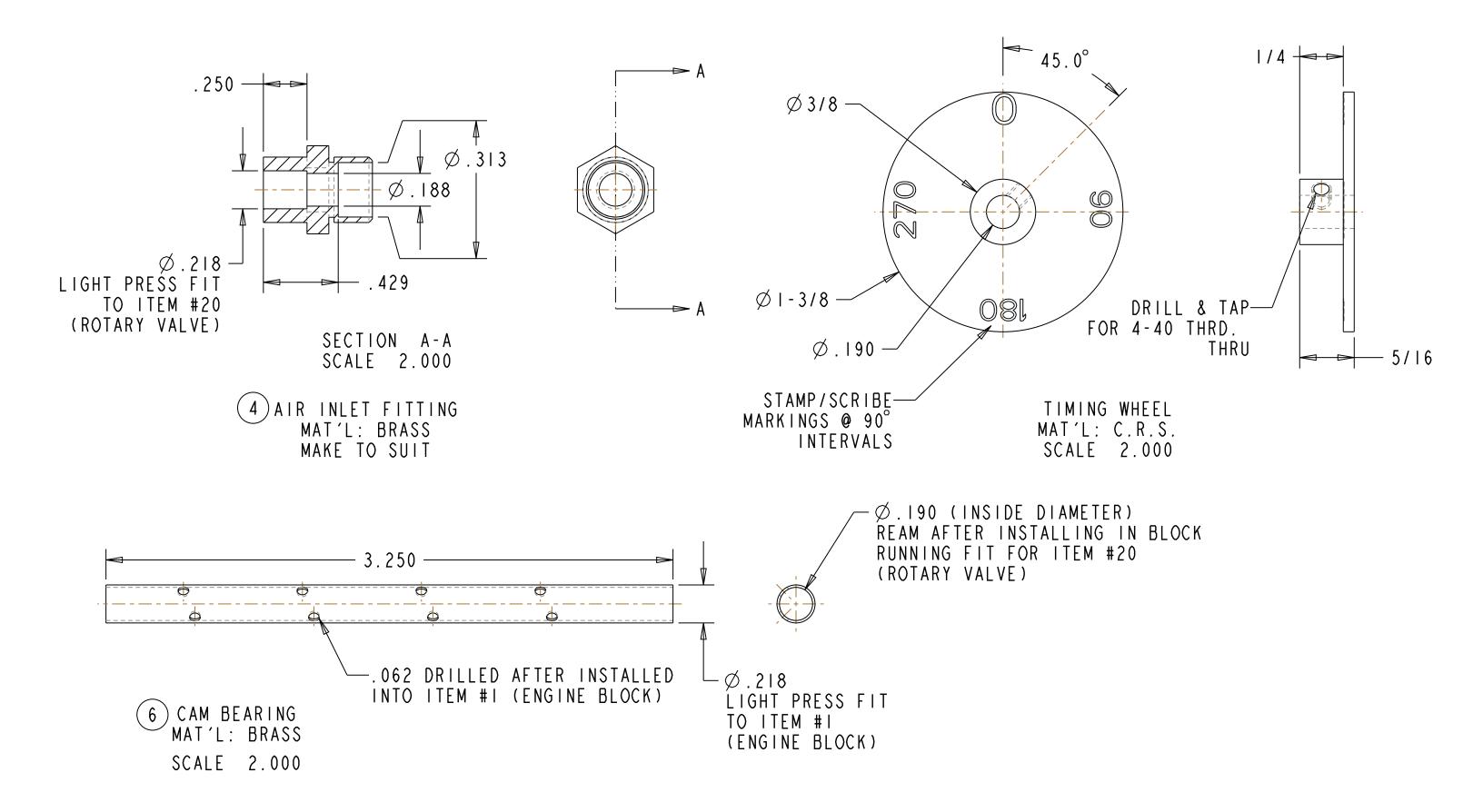




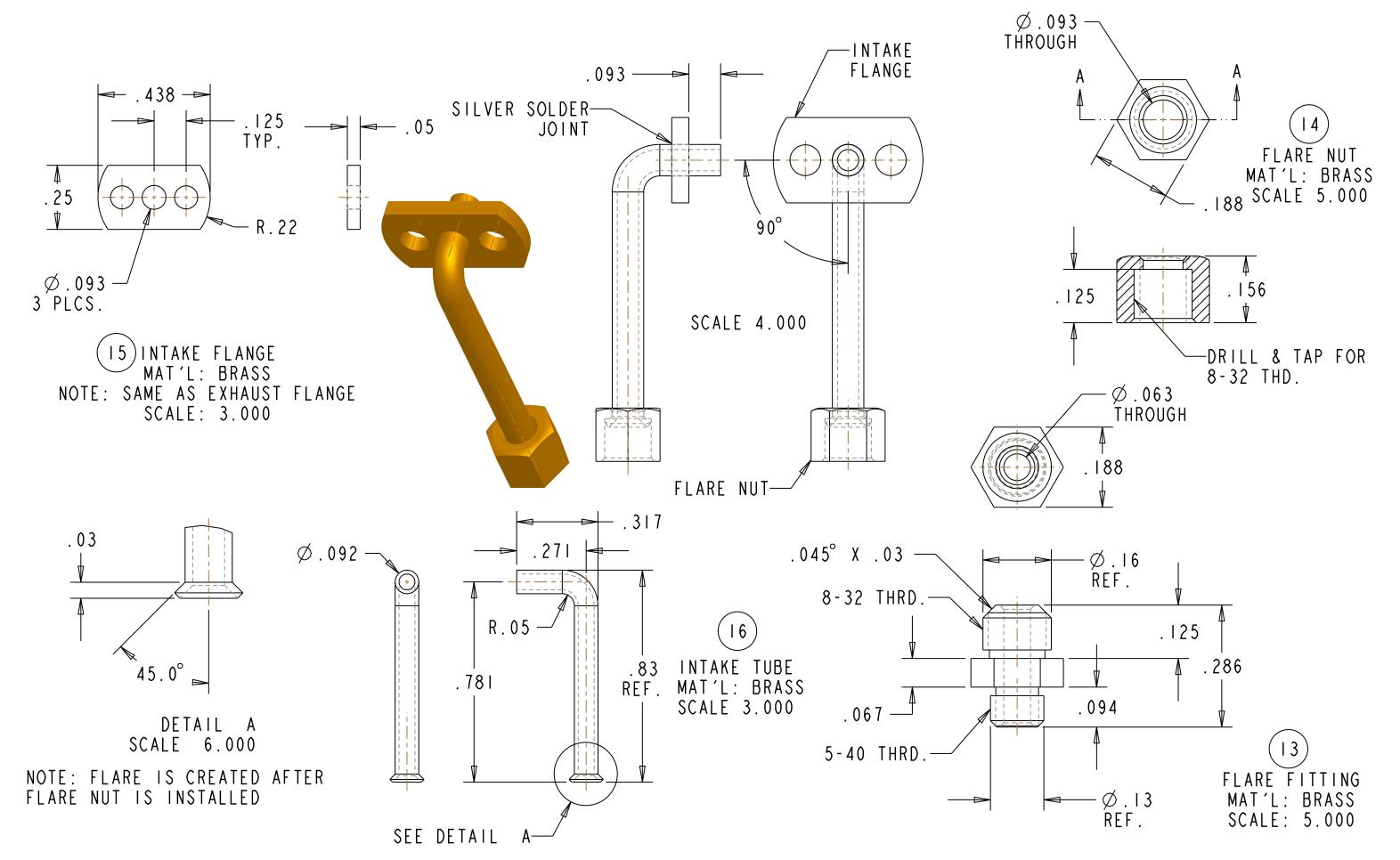


CIRRUS V8 ROTARY VALVE ENGINE *A CHUCK FELLOWS DESIGN*

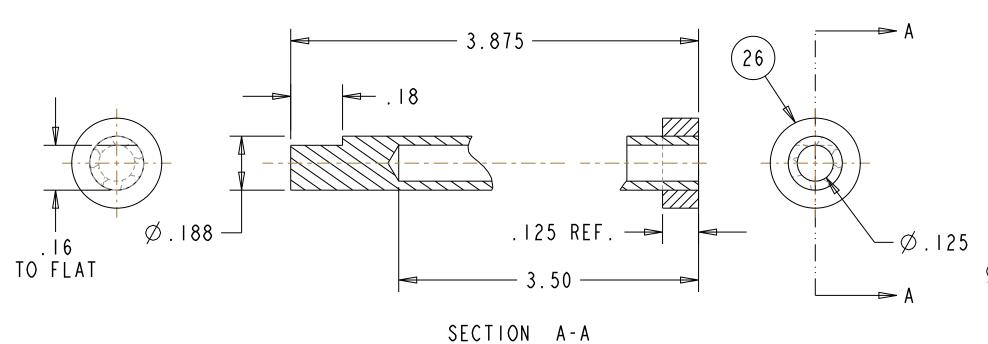
SCALE 4.000

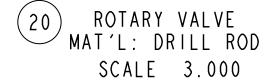


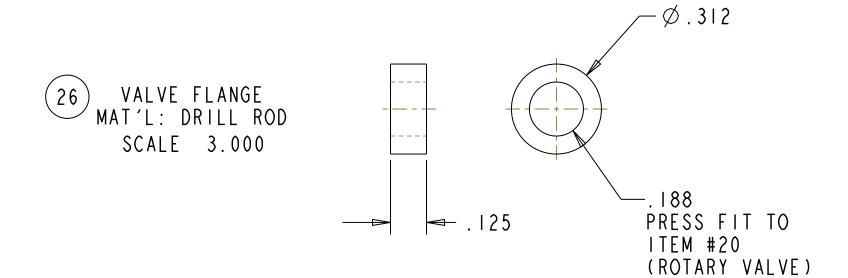
CIRRUS V8 ROTARY VALVE ENGINE *A CHUCK FELLOWS DESIGN*



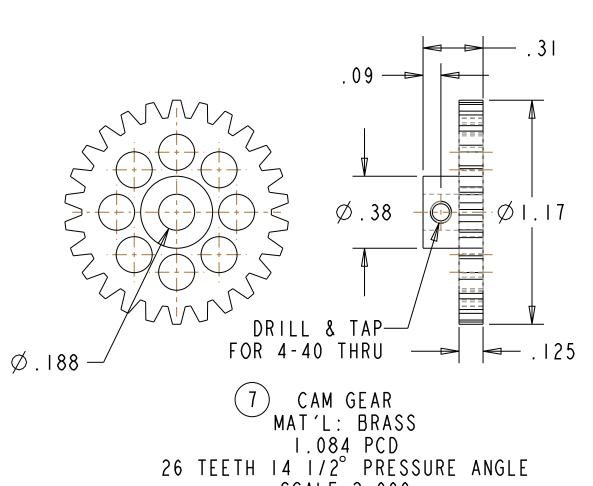
CIRRUS V8 ROTARY VALVE ENGINE
A CHUCK FELLOWS DESIGN



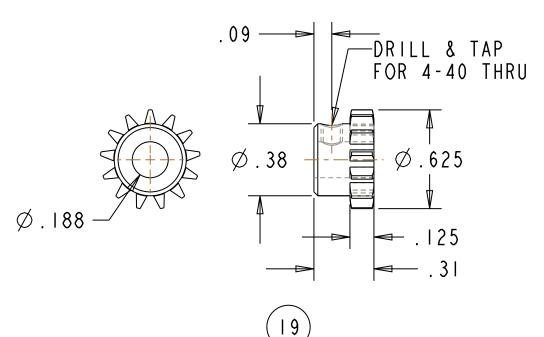




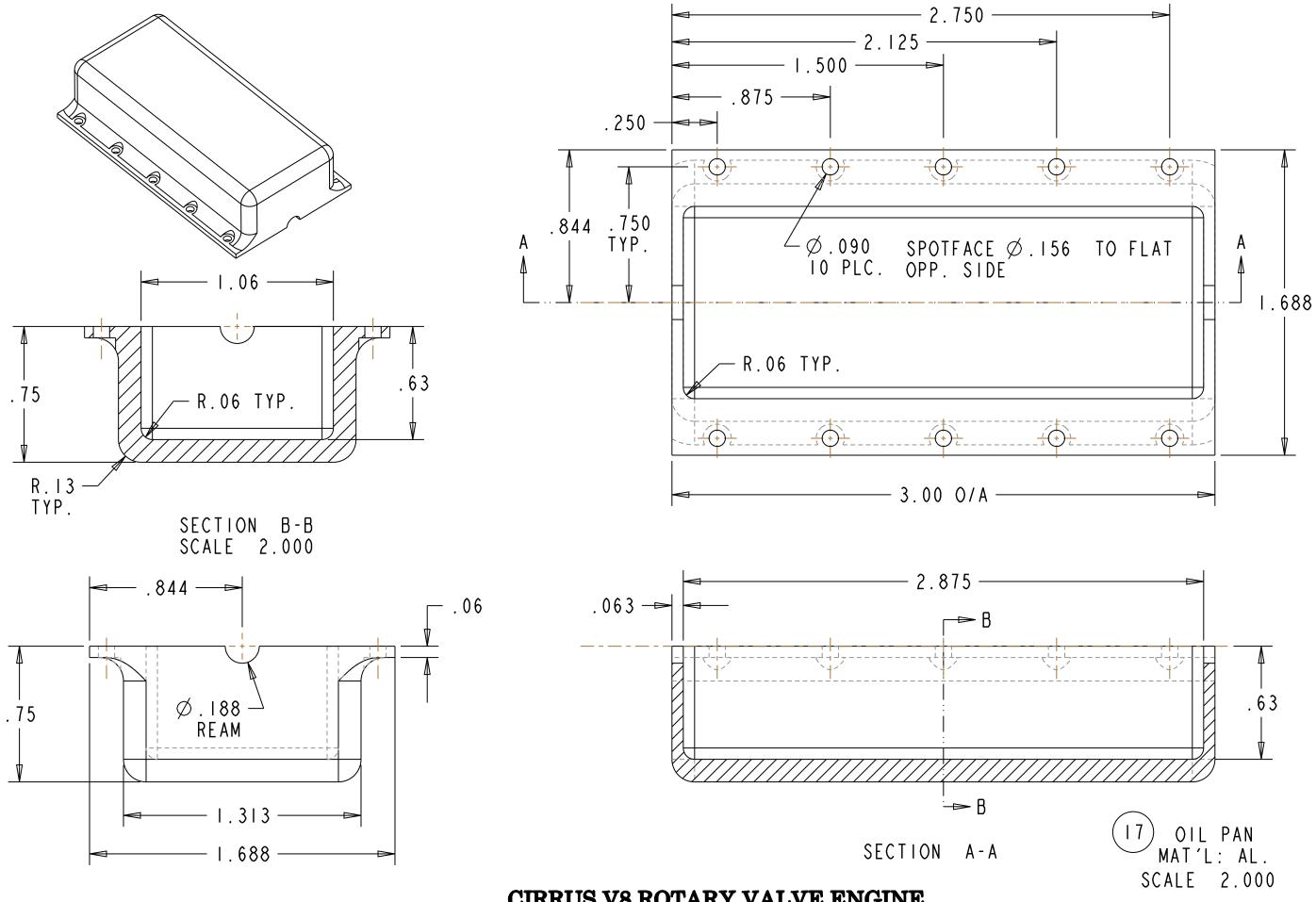
CIRRUS V8 ROTARY VALVE ENGINE *A CHUCK FELLOWS DESIGN*



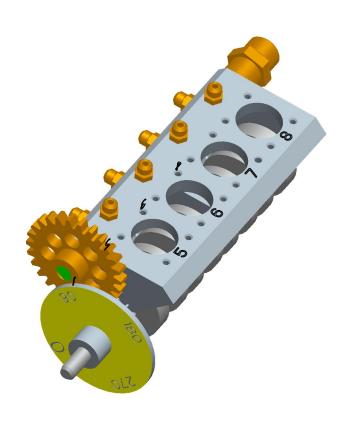
1.084 PCD 26 TEETH 14 1/2° PRESSURE ANGLE SCALE 2.000



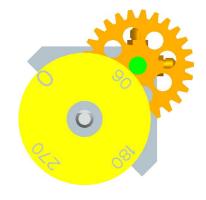
PRIMARY GEAR .542 PCD MAT'L: 12L14 C.R.S. 13 TEETH 14 1/2° PRESSURE ANGLE SCALE 2.000

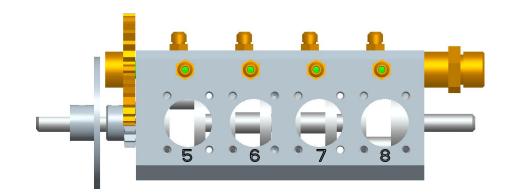


CIRRUS V8 ROTARY VALVE ENGINE
A CHUCK FELLOWS DESIGN



TIMING CHART	
CYL. NO.	POSITION
5	0°
1	90°
8	180°
4	270°
2	0°
7	90°
3	180°
6	270°
·	





INSTRUCTIONS FOR DRILLING ROTARY VALVE HOLES

- I. INSTALL TIMIMG WHEEL TO CRANKSHAFT AS SHOWN. (SET SCREW ON FLAT.)
- 2. ROTATE TIMING WHEEL TO 0° POSITION (OR SCRIBED LINE) USING THE INSTALLED AIR INLET FITTING (ITEM #4) AS A GUIDE, DRILL A 1/16" DIA. HOLE THROUGH NEAR SIDE OF CAM BEARING & ROTARY VALVE. (CYL. NO. 5)
- 3. ROTATE TIMING WHEEL TO 90° POSITION (OR SCRIBED LINE)
 & ROTATE ENGINE ON MACHINE TABLE TO OPPOSITE SIDE OF BLOCK
 & DRILL I/16" DIA. HOLE THROUGH NEAR SIDE OF CAM BEARING
 & ROTARY VALVE. (CYL. NO. 1)
- 4. ROTATE TIMING WHEEL TO 180° POSITION (OR SCRIBED LINE)
 & ROTATE ENGINE ON MACHINE TABLE TO OPPOSITE SIDE OF BLOCK
 & DRILL 1/16" DIA. HOLE THROUGH NEAR SIDE OF CAMBEARING
 & ROTARY VALVE. (CYL. NO. 8)
- 5. CONTINUE DRILLING REMAINING HOLES PER TIMING CHART SHOWN.

CIRRUS V8 ROTARY VALVE ENGINE *A CHUCK FELLOWS DESIGN*