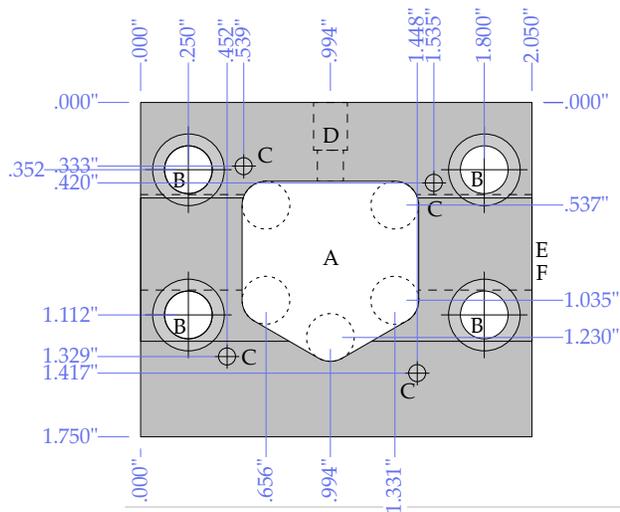
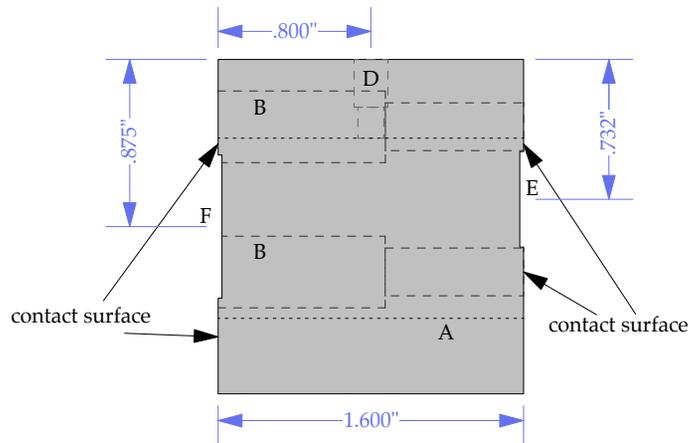


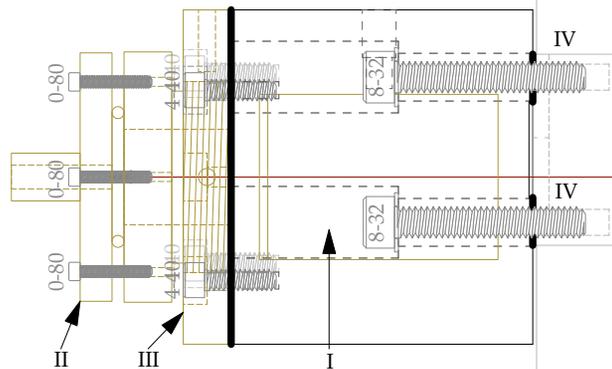
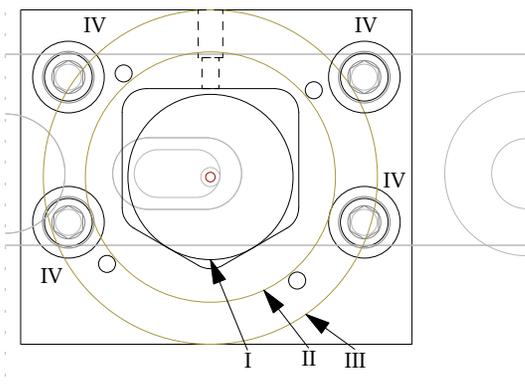
FRONT VIEW



SIDE VIEW



ASSEMBLY



UNIBODY LITTROW LASER -- ISOLATOR ADAPTER II

E. COOK, P. MARTIN, D. STECK

09/24/10

NOTES:

- A. Cavity thru piece, corner fillets \varnothing 0.250"
- B. 8-32 clearance, extra loose fit (\varnothing 0.250"), with loose counterbore \varnothing 0.375", 0.875" deep (screw requires a 0.310" outer diameter washer for assembly). (x4)
- C. 4-40 tapped 0.5" deep (x4, located on square side length 1" rotated 5 deg clockwise). Holes not included in side view for clarity.
- D. 8-32 clearance, free fit, to 0.250" deep, then 8-32 tapped through to cavity A.
- E. 0.500" wide relief cut, 0.020" deep. On back of part and centered as shown.
- F. 0.750" wide relief cut, 0.020" deep. On front of part and centered as shown.

PERIPHERALS:

- I. OFR body type II isolator, Thorlabs P/N IO-3D-(wavelength)-VLP
- II. Fiber coupler assembly: tilt plate with FC connectorized fiber port, Oz Optics
- III. Fiber coupler assembly to laser head adapter Oz Optics adapter #15.
- IV. 8-32 x 1" ss socket-head cap screw, w/ narrow profile (\varnothing 0.310" OD) washer.

ADDITIONAL NOTES:

- 1. Material is 6061-T6 aluminum. Starting block is 1.75" x 2.05" x 1.60".
- 2. Standard tolerance is 0.005" unless otherwise noted.
- 3. Surfaces marked "contact surface" must be made very flat (finishing pass with end mill, as little chatter as possible, lapped).