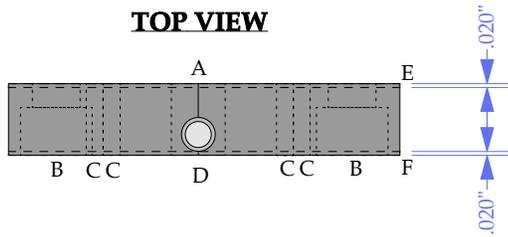
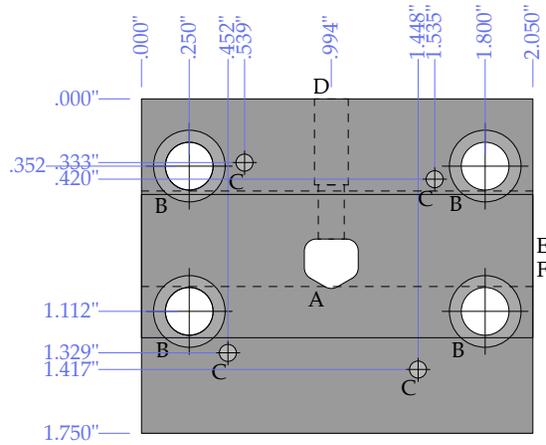


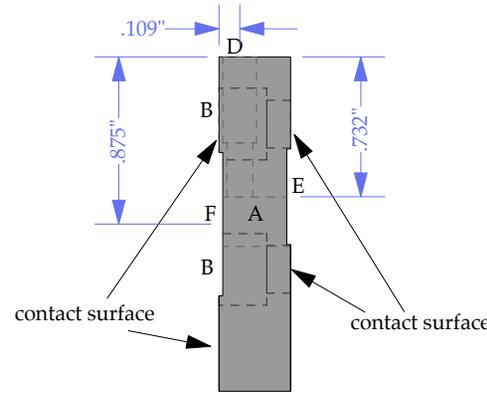
TOP VIEW



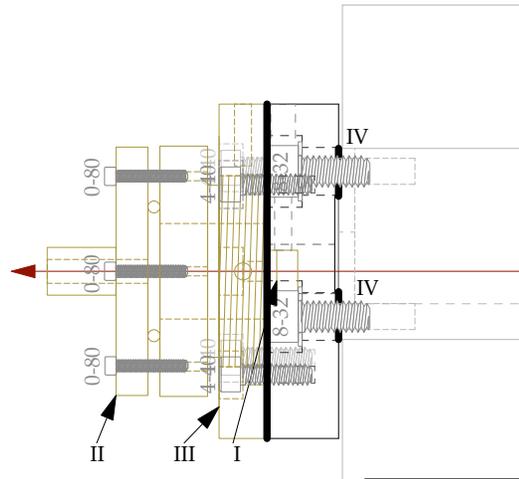
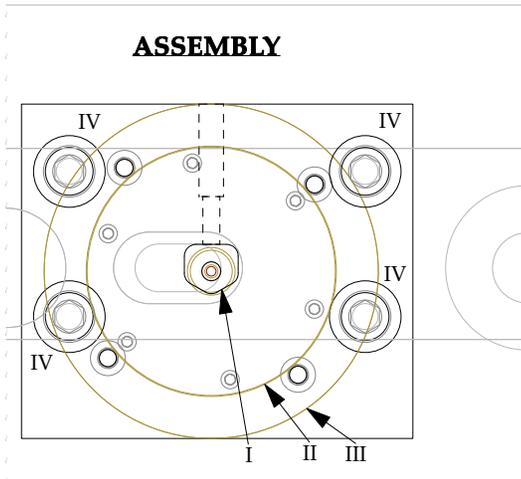
FRONT VIEW



SIDE VIEW



ASSEMBLY



NOTES:

- A. Cavity thru piece, corner fillets \varnothing 0.125"
- B. 8-32 clearance, extra loose fit (\varnothing 0.250"), with loose counterbore \varnothing 0.375", 0.250" deep (screw requires a 0.310" outer diameter washer for assembly). (x4)
- C. 4-40 tapped through part (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 0.450" 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 tablet optical isolator, Thorlabs P/N IO-D-780-VLP
- II. Fiber coupler assembly: tilt plate with FC connectorized fiber port, Oz Optics P/N
- III. Fiber coupler assembly to laser head adapter Oz Optics adapter #15.
- IV. 8-32 x 0.375" 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 .375".
- 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).

UNIBODY LITTROW LASER -- CAVITY-COUPLER ADAPTER I