



**ADDITIONAL NOTES:**

1. Material is 6061-T6 aluminum. Starting block is 4.48" x 10" x 0.75".
2. Standard tolerance is 0.005" unless otherwise noted.

**EXTENDED UNIBODY LITTROW LASER -- LOWER LID**

E. COOK, P. MARTIN, D. STECK

3/24/11

**NOTES:**

- A: 8-32 clearance through part (Ø 0.177"), for mounting lids to main cavity.
- B: 8-32 tapped through part, for mounting lower lid to baseplate.
- C: Ø 0.177" hole through part.
- D: 1.750" x 1.350" x 0.080" deep rectangular hole with Ø 3/8" fillets, and centered as shown. Dimensions not critical.

- E: 1.600" x 0.500" x 0.005" deep rectangular hole with Ø 3/8" fillets, inset with a 1.500" x 0.250" x 0.010" deep rectangular hole with Ø 1/4" fillets, rotated 45° relative to rest of part, and centered as shown. Dimensions not critical. (Inset border to be used to align grating arm.)
- F: 0.115" wide flat-bottom channel, 0.080" deep, oriented as shown. Channel is for a 3/32" thick, 7" inner diameter O-ring.
- G: Ø 7/32" flat-bottom hole, 0.055" deep, for a 1/16" thick, 5/64" inner diameter O-ring.