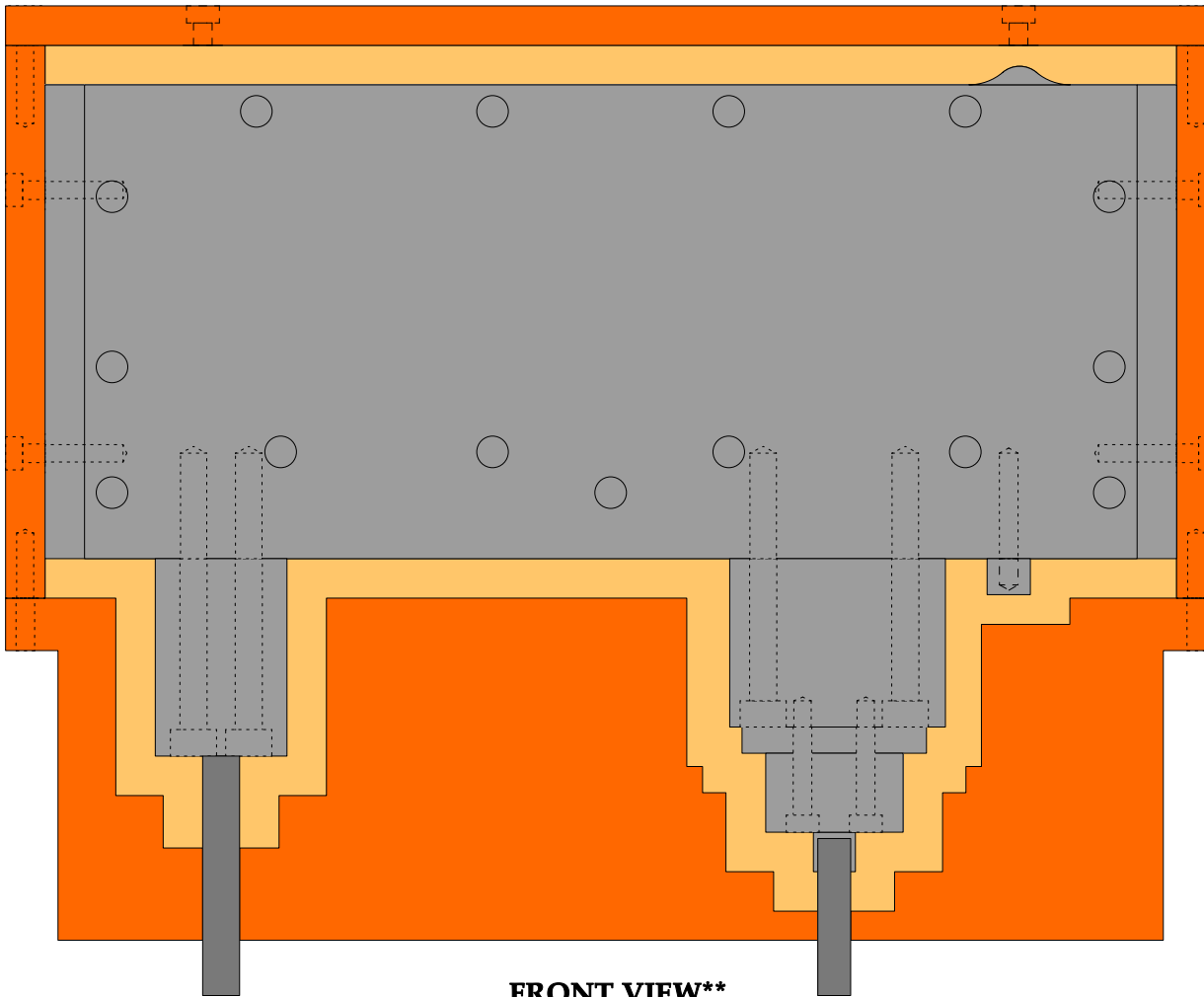
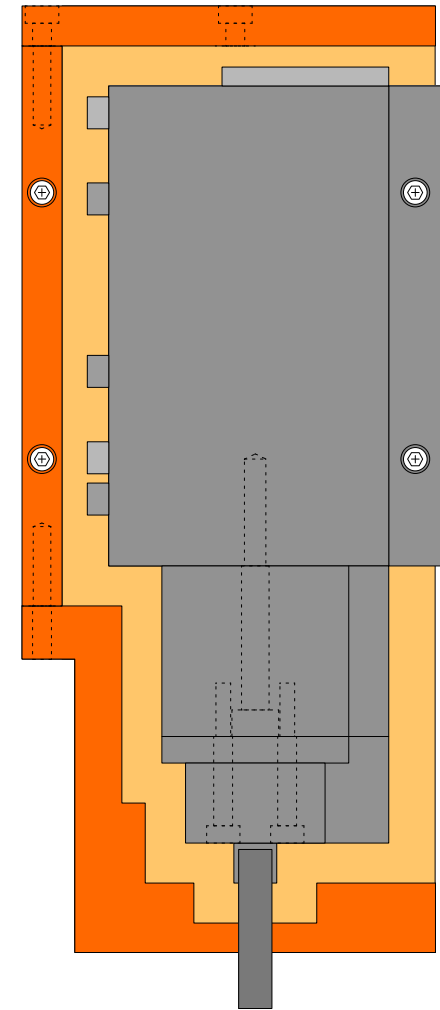


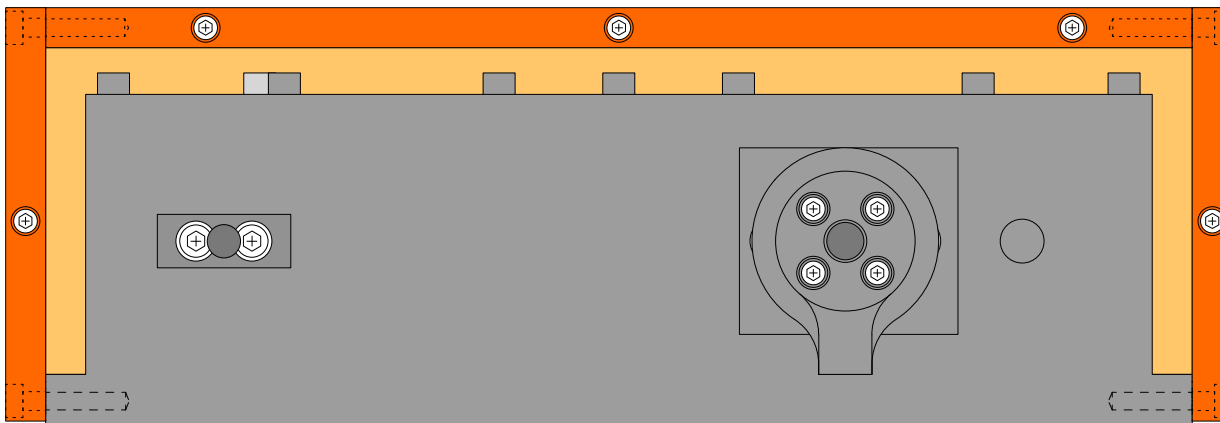
TOP VIEW*



SIDE VIEW*



FRONT VIEW**



**LONG LASER SILICONE COVER
ASSEMBLY DRAWING**

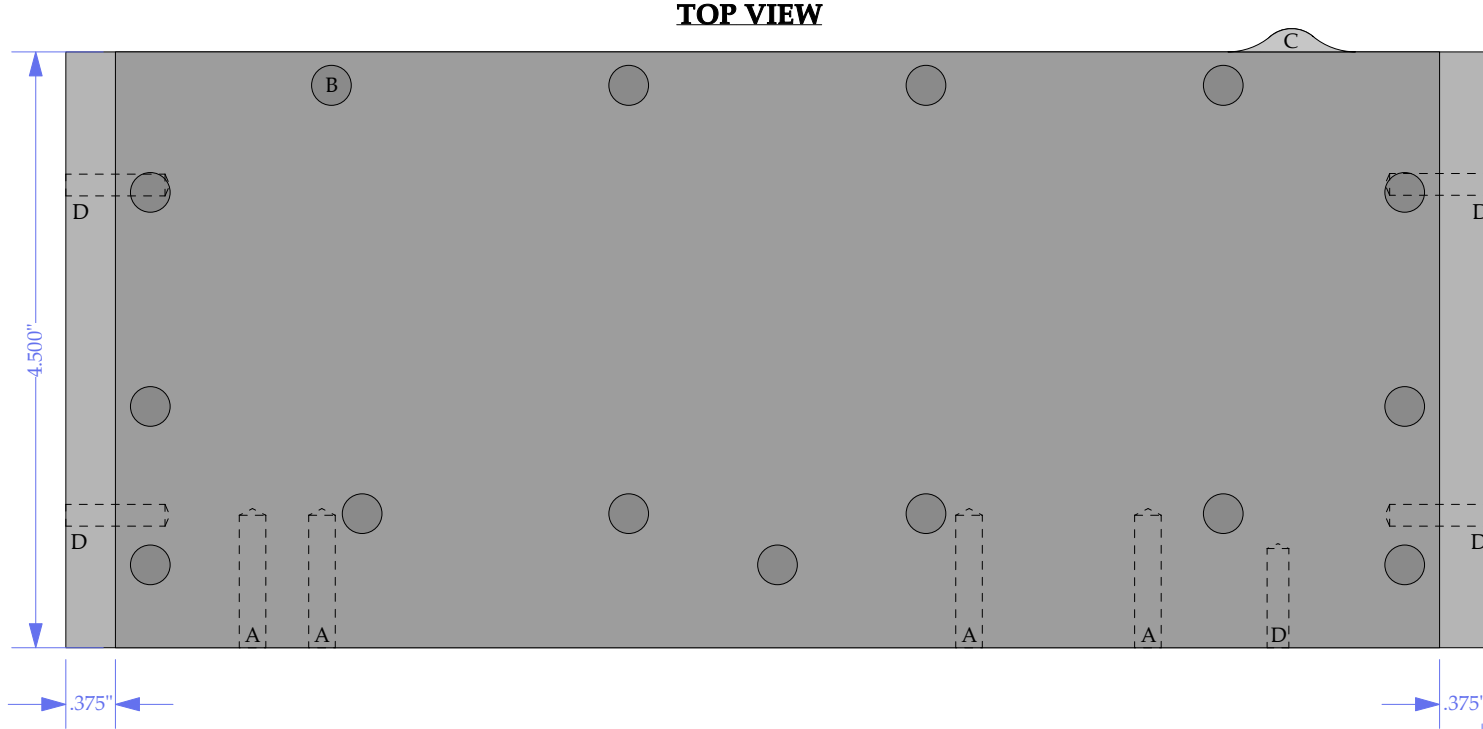
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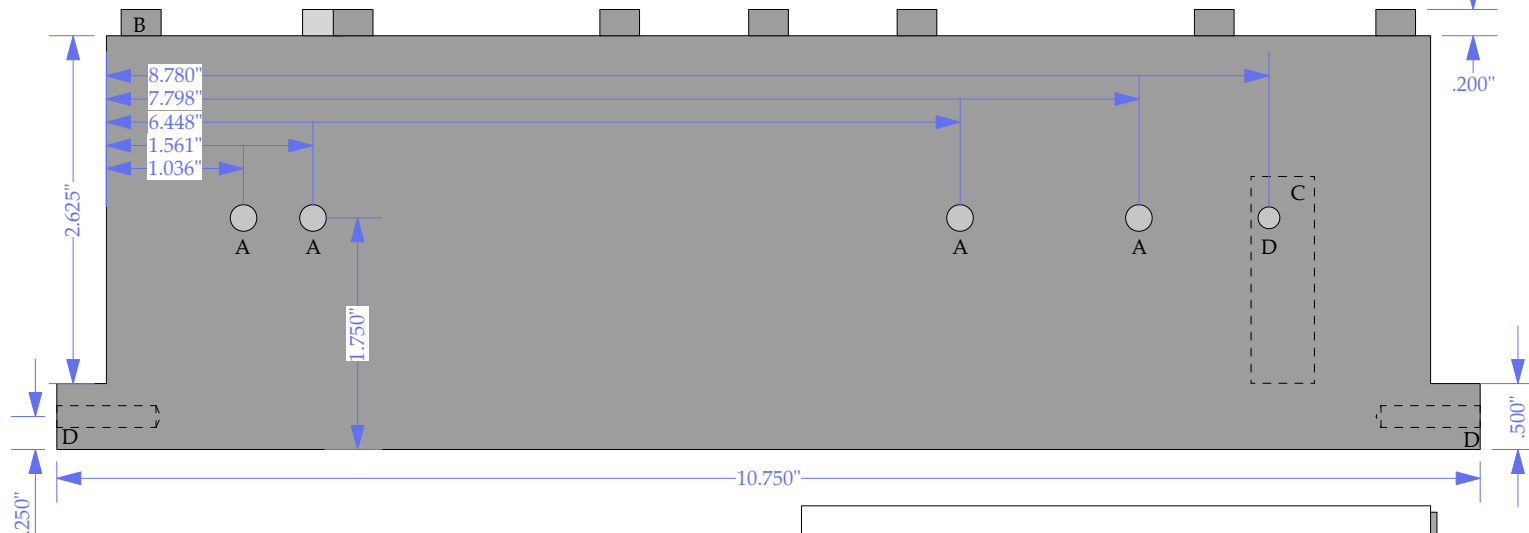
*cross sectional view,
through the fiber
coupler center

**view with front
wall removed

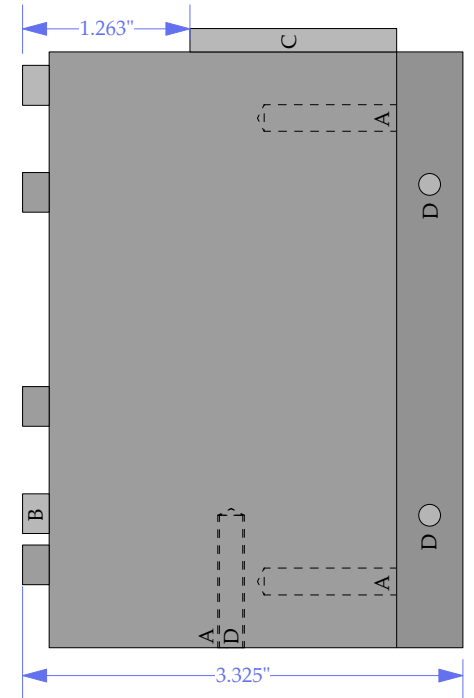
TOP VIEW



FRONT VIEW



SIDE VIEW



NOTES:

- A: 1/4-20 tapped, 1" deep.
- B: "Islands" left after CNC machining, 0.200" tall.
- C: Creates space for angled grating screw.
- D: 8-32 tapped, 0.75" deep.

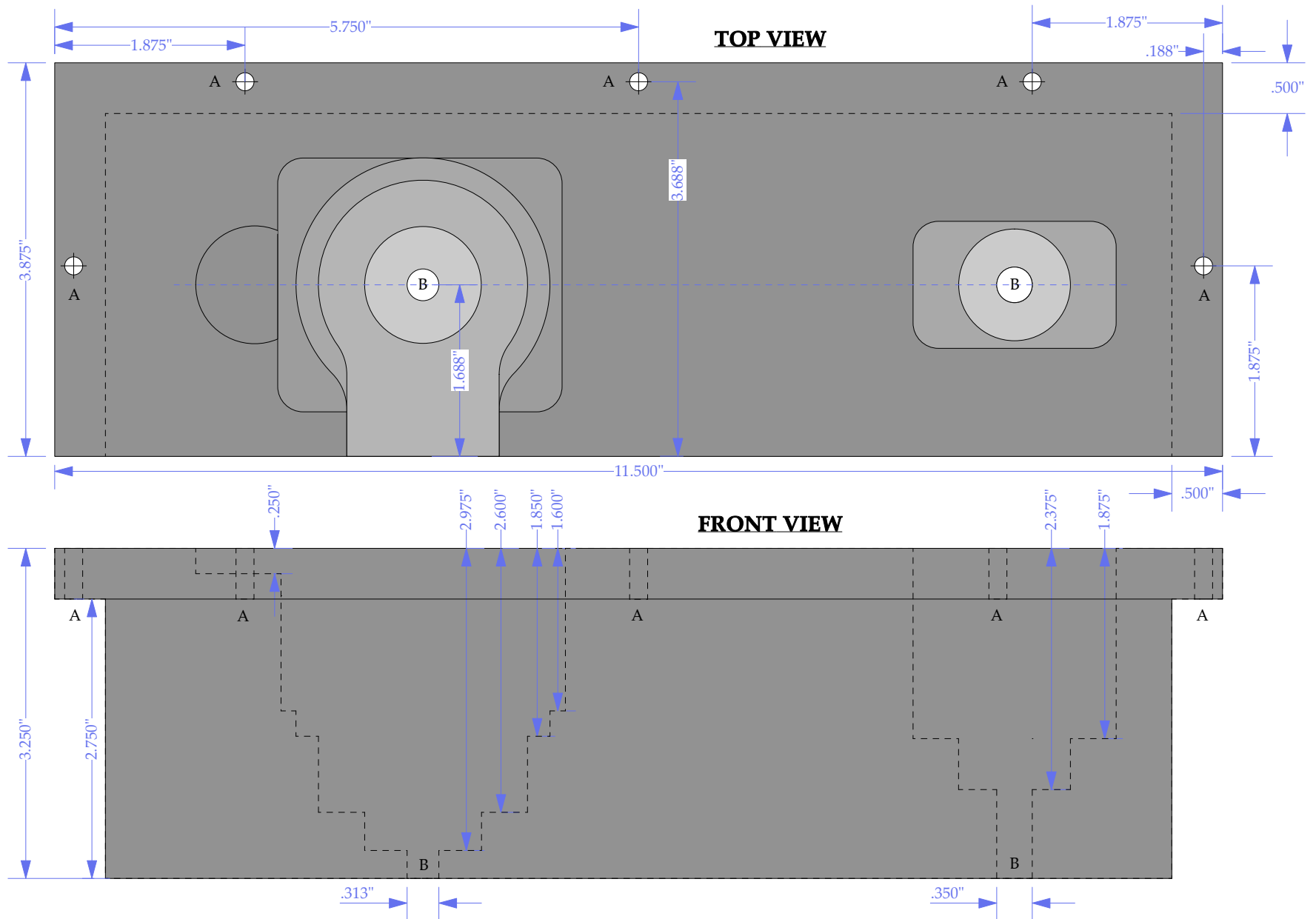
ADDITIONAL NOTES:

- 1. Material is Delrin (any color). Starting block is 10.75" x 4.675" x 3.325".
- 2. Standard tolerance is 0.005" unless otherwise noted.
- 3. See 3D IGES drawing for CNC from above.

LONG LASER SILICONE MOLD -- MAIN BODY

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LONG LASER SILICONE MOLD -- FRONT WALL, DEEP

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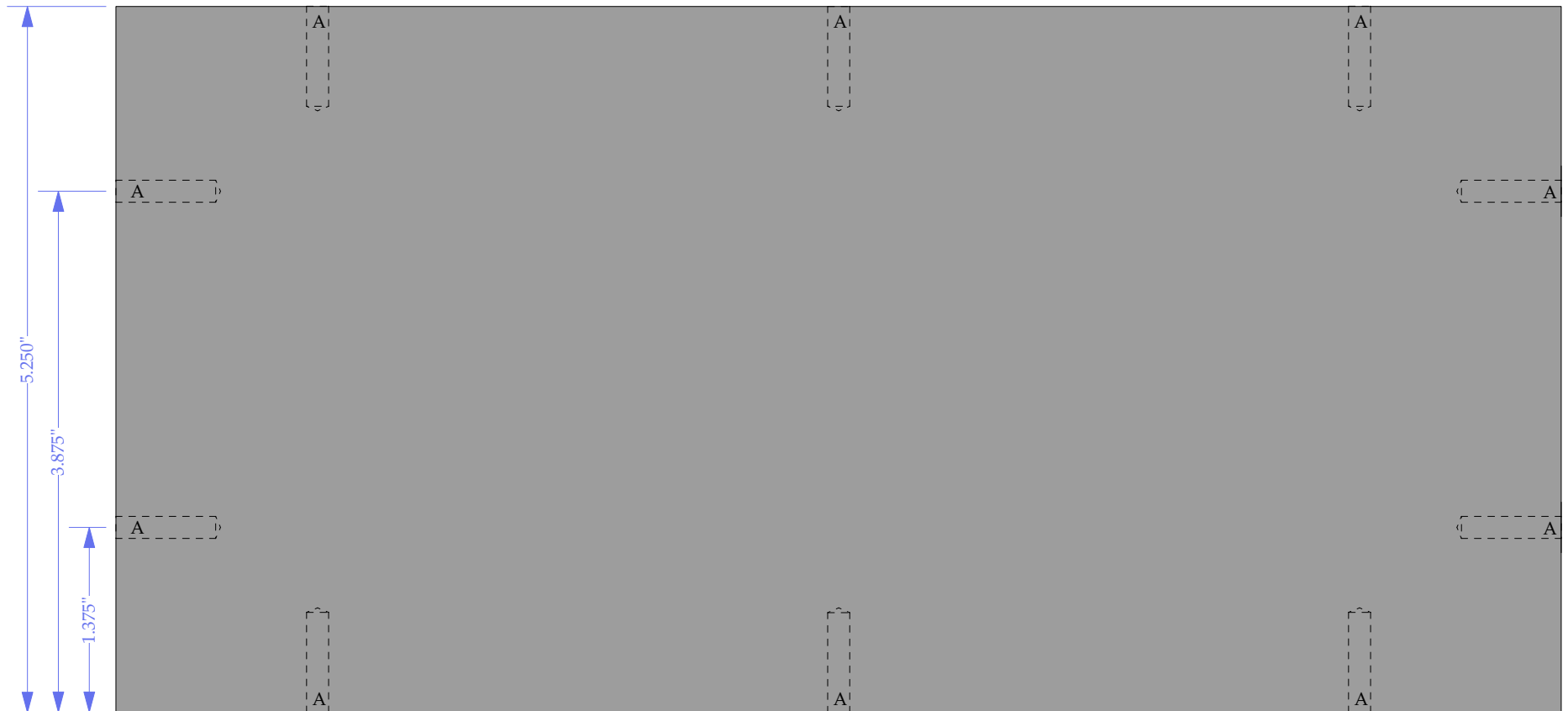
NOTES:

- A: 8-32 clearance through part.
- B: Holes through part. To be filled with appropriate-sized rods.

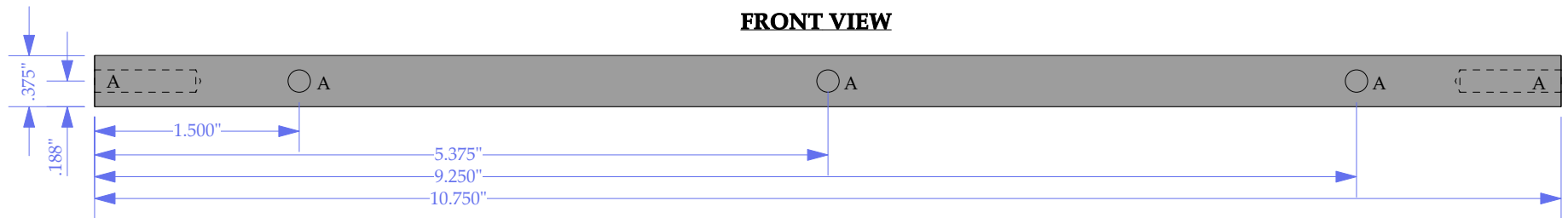
ADDITIONAL NOTES:

1. Material is Delrin (any color). Starting block is 11.5" x 3.875" x 3.25".
2. Standard tolerance is 0.005" unless otherwise noted.
3. This front face piece is to be used with the 1.6" thick version of the isolator mold

TOP VIEW



FRONT VIEW



LONG LASER SILICONE MOLD -- TOP WALL

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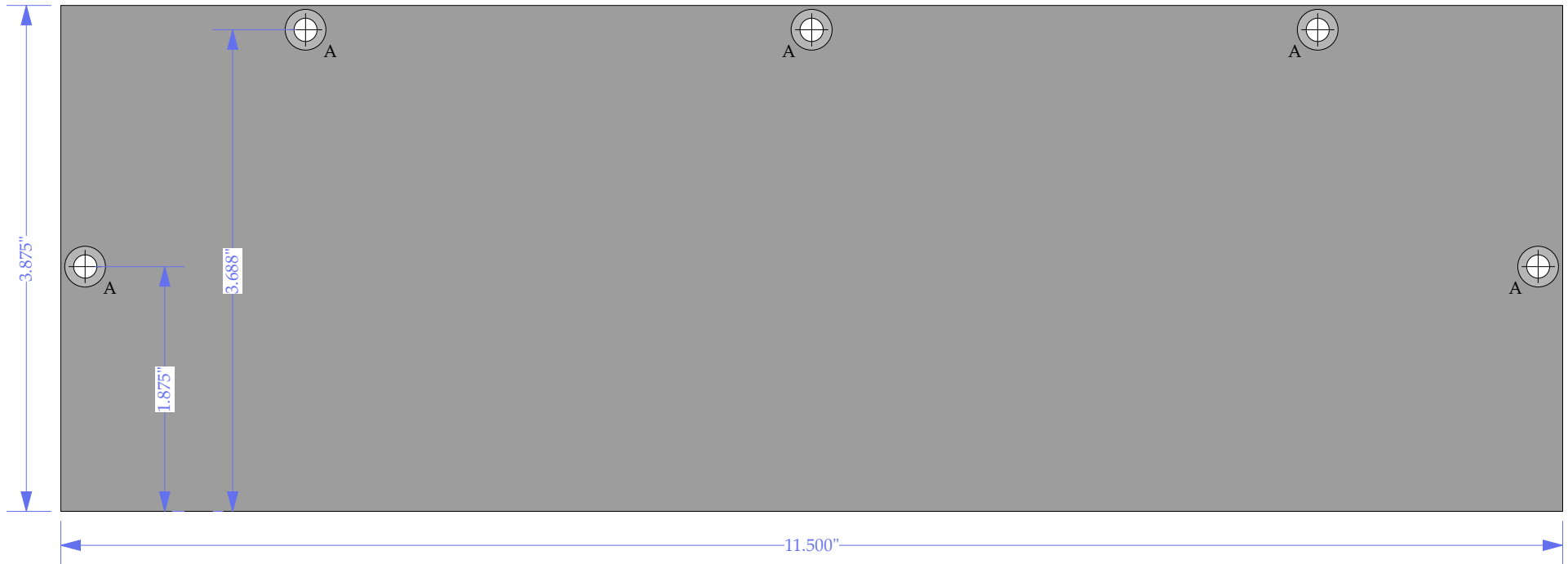
NOTES:

A: 8-32 tapped, 0.75" deep.

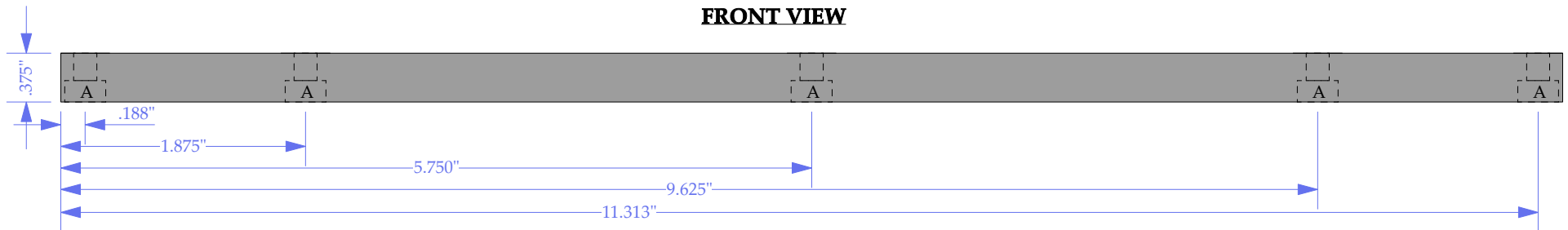
ADDITIONAL NOTES:

1. Material is acrylic. Starting block is 10.75" x 5.25" x 0.375".
2. Standard tolerance is 0.005" unless otherwise noted.

TOP VIEW



FRONT VIEW



LONG LASER SILICONE MOLD -- REAR WALL

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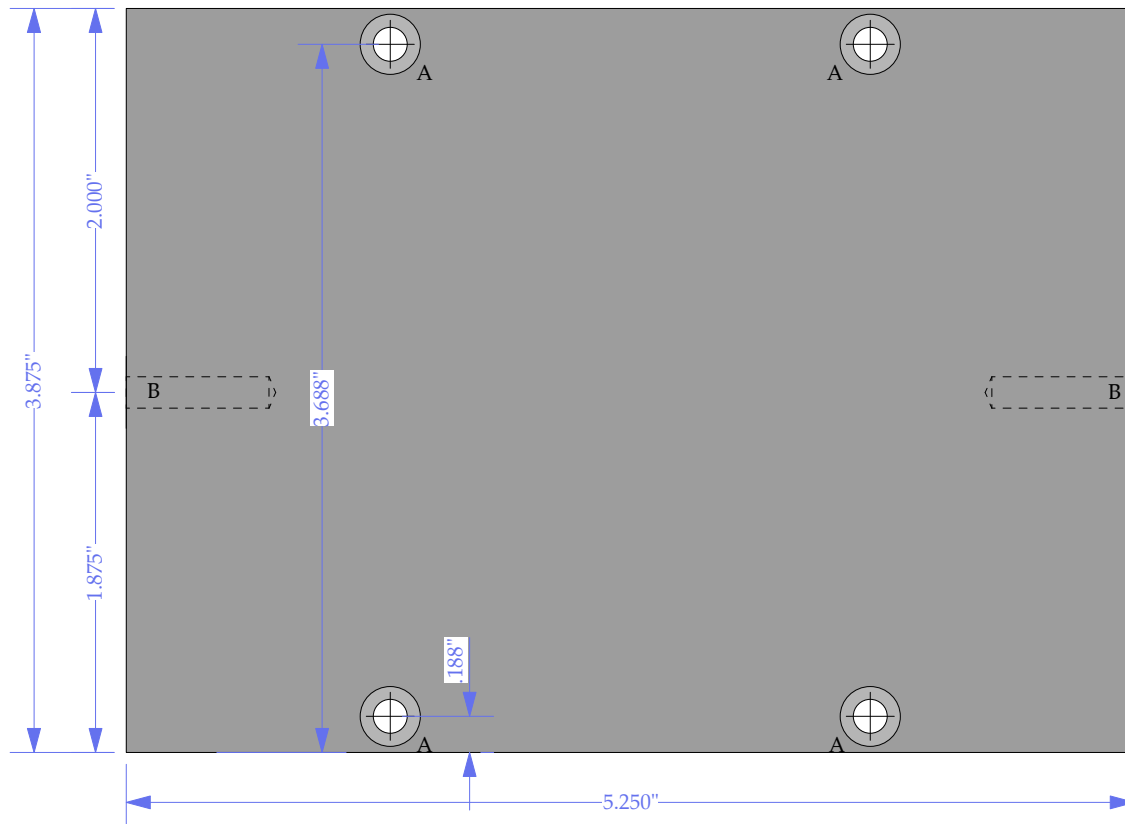
NOTES:

A: 8-32 clearance through part
with \varnothing 0.313" counterbore,
0.164" deep.

ADDITIONAL NOTES:

1. Material is acrylic. Starting block is 11.5" x 3.875" x 0.375".
2. Standard tolerance is 0.005" unless otherwise noted.

TOP VIEW



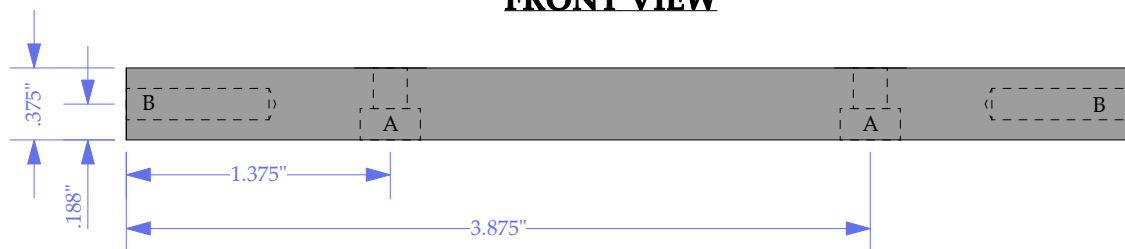
NOTES:

- A. 8-32 clearance through part with \varnothing 0.313" counterbore, 0.164" deep.
- B. 8-32 tapped, 0.75" deep.

ADDITIONAL NOTES:

- 1. Material is acrylic. Starting block is 5.625" x 3.875" x 0.375".
- 2. Standard tolerance is 0.005" unless otherwise noted.

FRONT VIEW

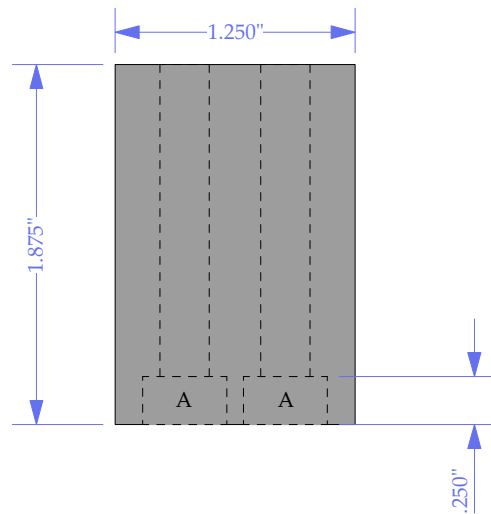


LONG LASER SILICONE MOLD -- SIDE WALL (x2)

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TOP VIEW



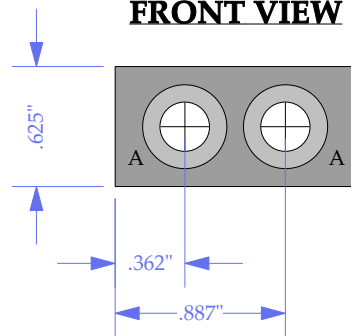
NOTES:

- A 1/4-20 clearance through part with \varnothing 0.438" counterbore, 0.250" deep.

ADDITIONAL NOTES:

1. Material is Delrin (any color). Starting block is 1.875" x 1.250" x 0.625".
2. Standard tolerance is 0.005".

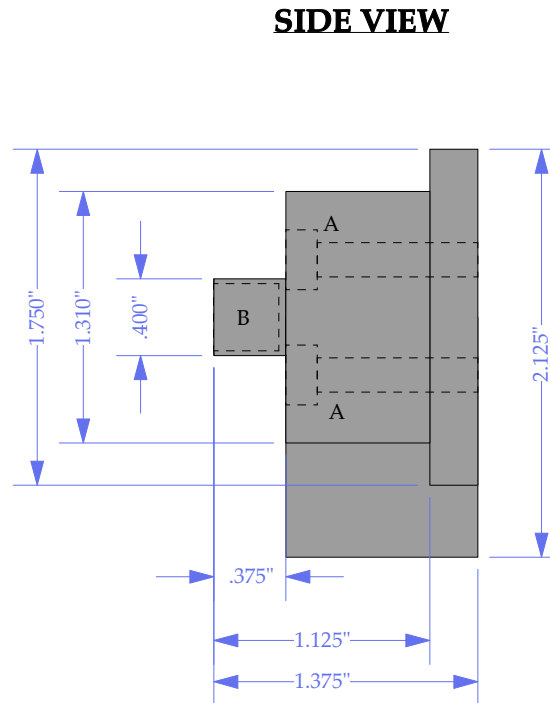
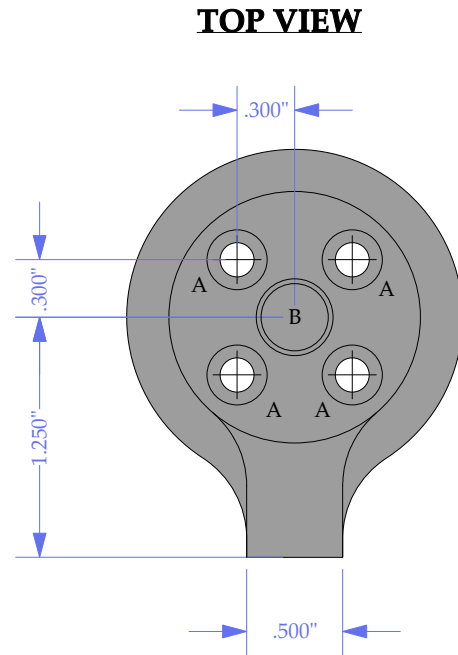
FRONT VIEW



LONG LASER SILICONE MOLD -- DSUB 15 MOLD

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NOTES:

- A: 8-32 clearance through part with \varnothing 0.313" counterbore, 0.164" deep.
- B: \varnothing 0.350" flat-bottom pocket to accept wire feedthrough rod (see assembly drawing). Depth not important, but rod must be snug.

ADDITIONAL NOTES:

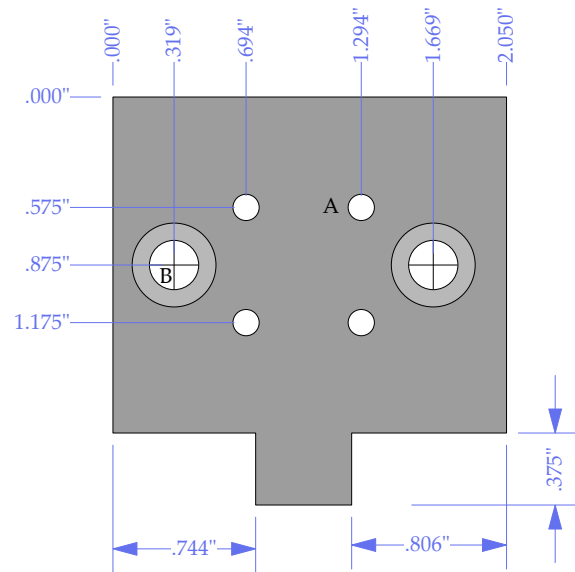
1. Material is Delrin (any color). Starting block is 2.125" x 1.75" x 1.375".
2. Standard tolerance is 0.005" unless otherwise noted. Holes should match up with isolator mold.
3. Cut holes A first and use them to secure part in CNC machine
4. Fillets are drawn as \varnothing 0.5", but their accuracy and detail are unimportant.

LONG LASER SILICONE MOLD -- FIBER MOLD

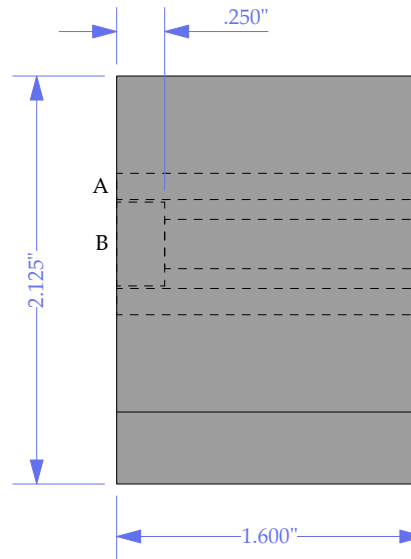
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TOP VIEW



SIDE VIEW



NOTES:

- A 8-32 tapped, 1/2" of useable thread.
- B.: 1/4-20 clearance through part with \varnothing 0.438" counterbore, 0.250" deep.

ADDITIONAL NOTES:

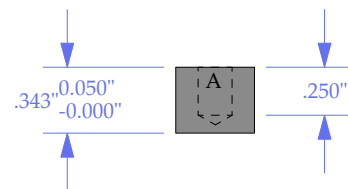
1. Material is Delrin (any color). Starting block is 2.125" x 2.05" x 1.6".
2. Standard tolerance is 0.005"; holes and narrow piece should match up with the fiber mould.
3. This isolator mold to be used with "OFR body type II" optical isolators.

LONG LASER SILICONE MOLD -- ISLATOR MOLD

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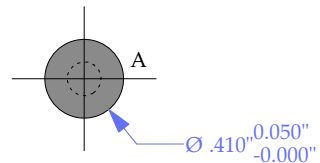
TOP VIEW



NOTES:

- A. 8-32 tapped 0.25" deep. Make sure tap drill hole doesn't go through the part.

FRONT VIEW



ADDITIONAL NOTES:

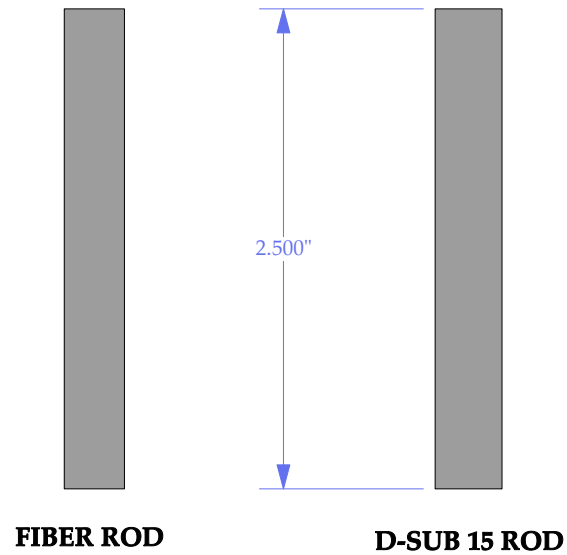
1. Material is Delrin (any color). Starting block is Ø0.41" x 0.343".
2. Piece can be larger than specified dimensions, but not smaller.
3. Part will be attached to main body using an 8-32 set screw.

LONG LASER SILICONE MOLD -- VALVE MOLD

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TOP VIEW



NOTES:

1. Any material is fine. Aluminum, stainless steel, Delrin, etc.
2. Should slide snugly into front wall.
3. Details of ends of rods is unimportant. The single-diameter part must be long enough to pass through front wall and touch fiber and D-sub molds.
4. See Assembly drawing for functionality.

LONG LASER SILICONE MOLD -- WIRE FEEDTHROUGH RODS

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FRONT VIEW

