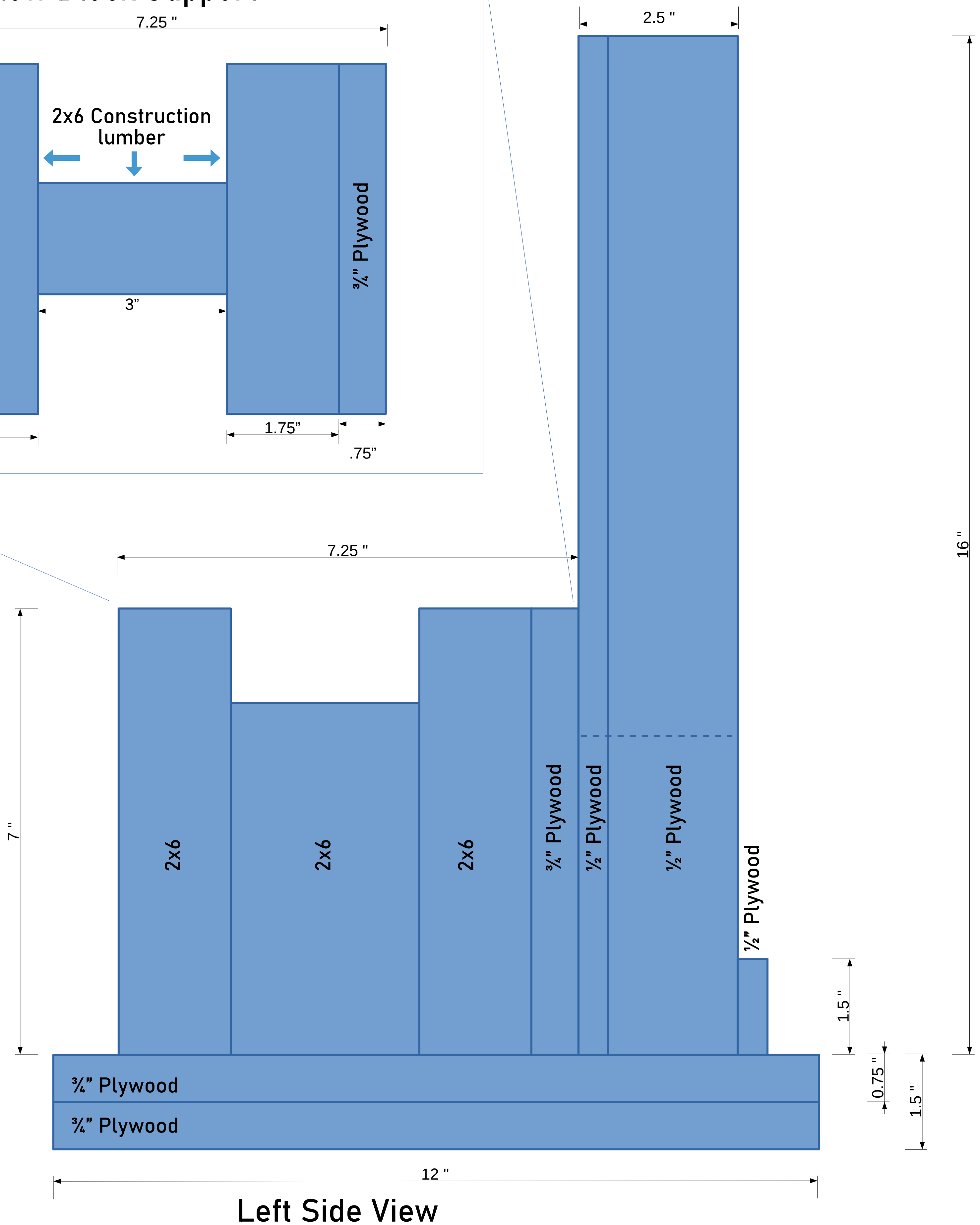
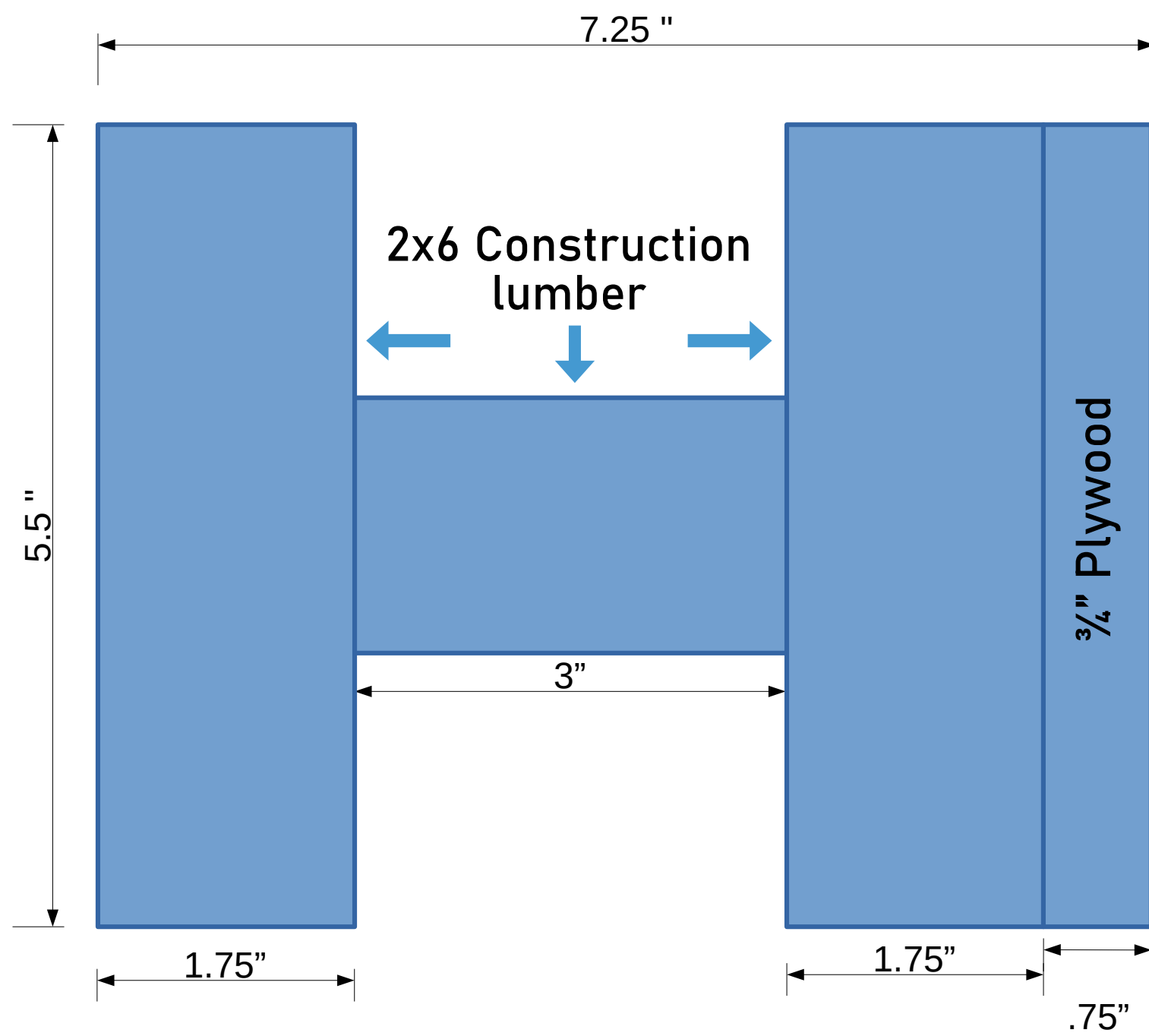


Top View Pillow Block Support



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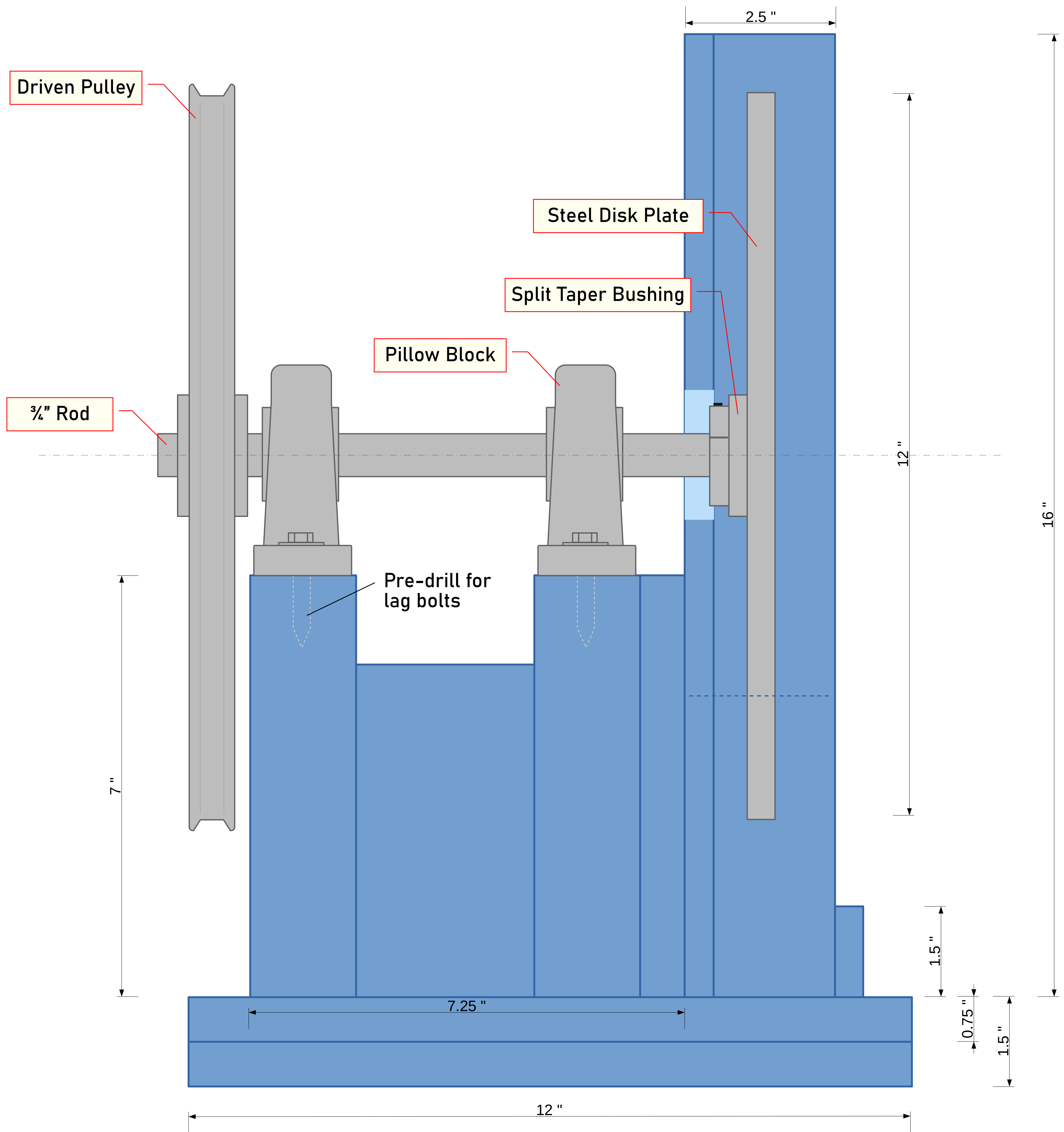
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WOOD COMPONENTS

1

Left Side View



Components as shown for 3/4" shaft (Adjust for different shaft size):

- Driven Pulley, Fixed 3/4" Bore, 12.25" OD (Fenner Drives 6899549 AFD12434)
- Smooth Rod in Zinc plated 3/4" x 36" (National Hardware N179-820 4005B)
- 2 Pieces-3/4 inch Pillow Block Bearing Solid Base, Self-Aligning(Jeremywell UCP204-12)
- 1/4" Steel Plate Round Circle Disc 12" Diameter A36 Steel
- 3/4" Bore H Style Steel Sheave / Pulley Bushing Split Taper
- Motor Pulley, 2" outside diameter – bore will depend on your motor shaft size

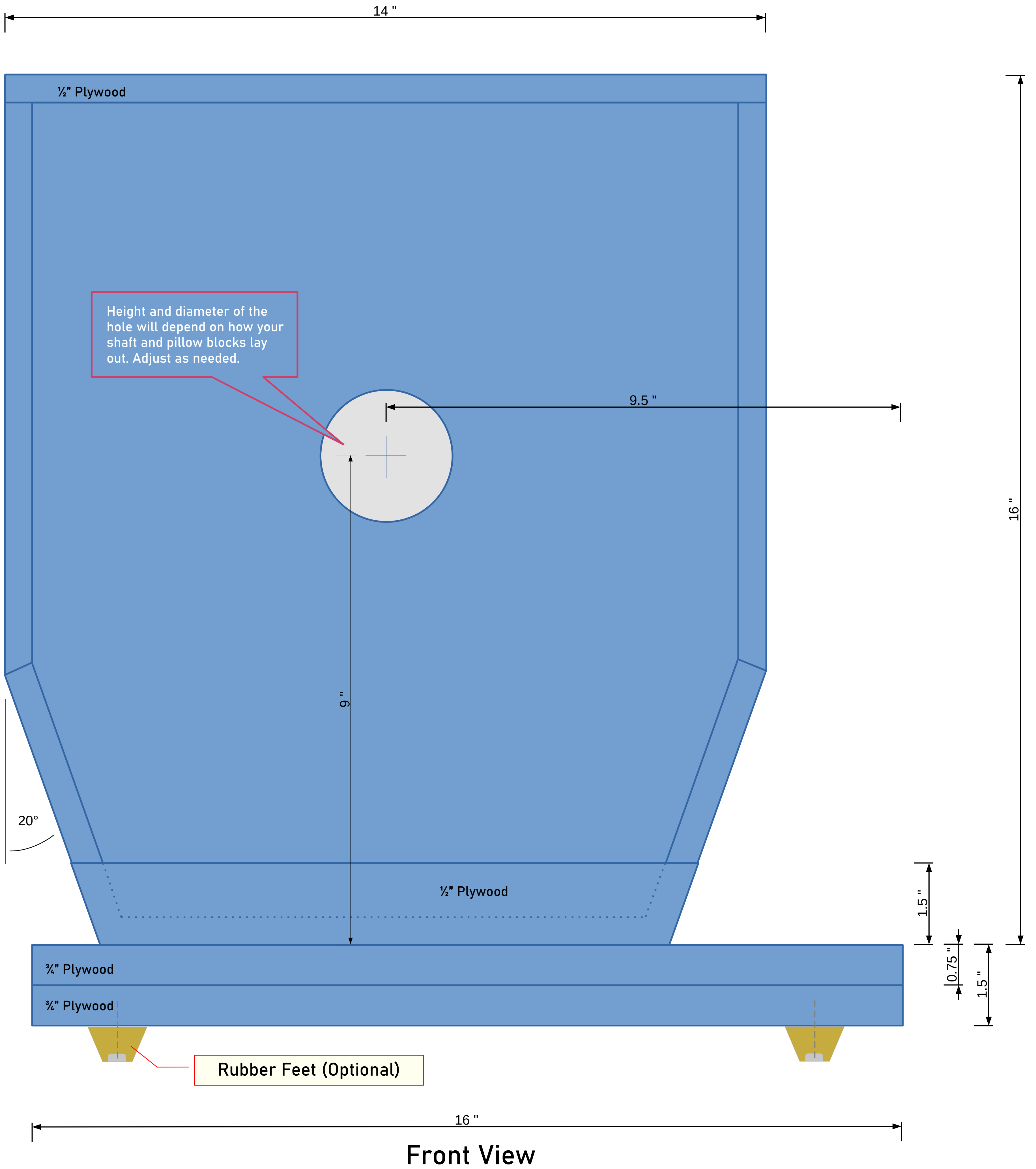


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SHAFT AND PULLEY PROFILE

2

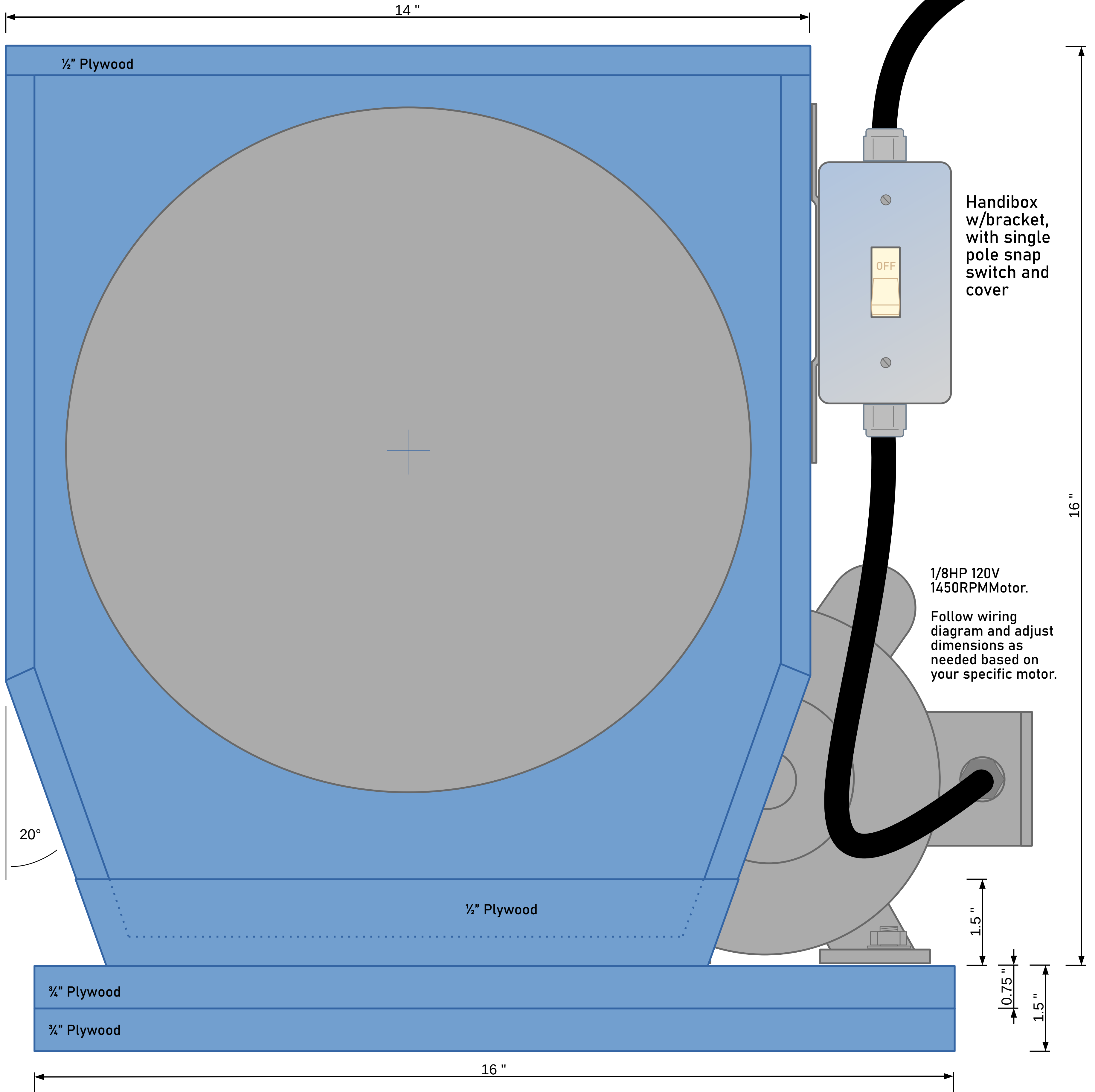


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FRONT PROFILE
 WOOD COMPONENTS **3**

Front View



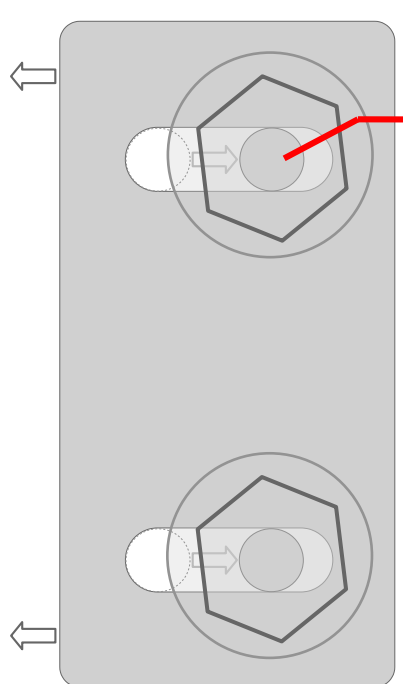
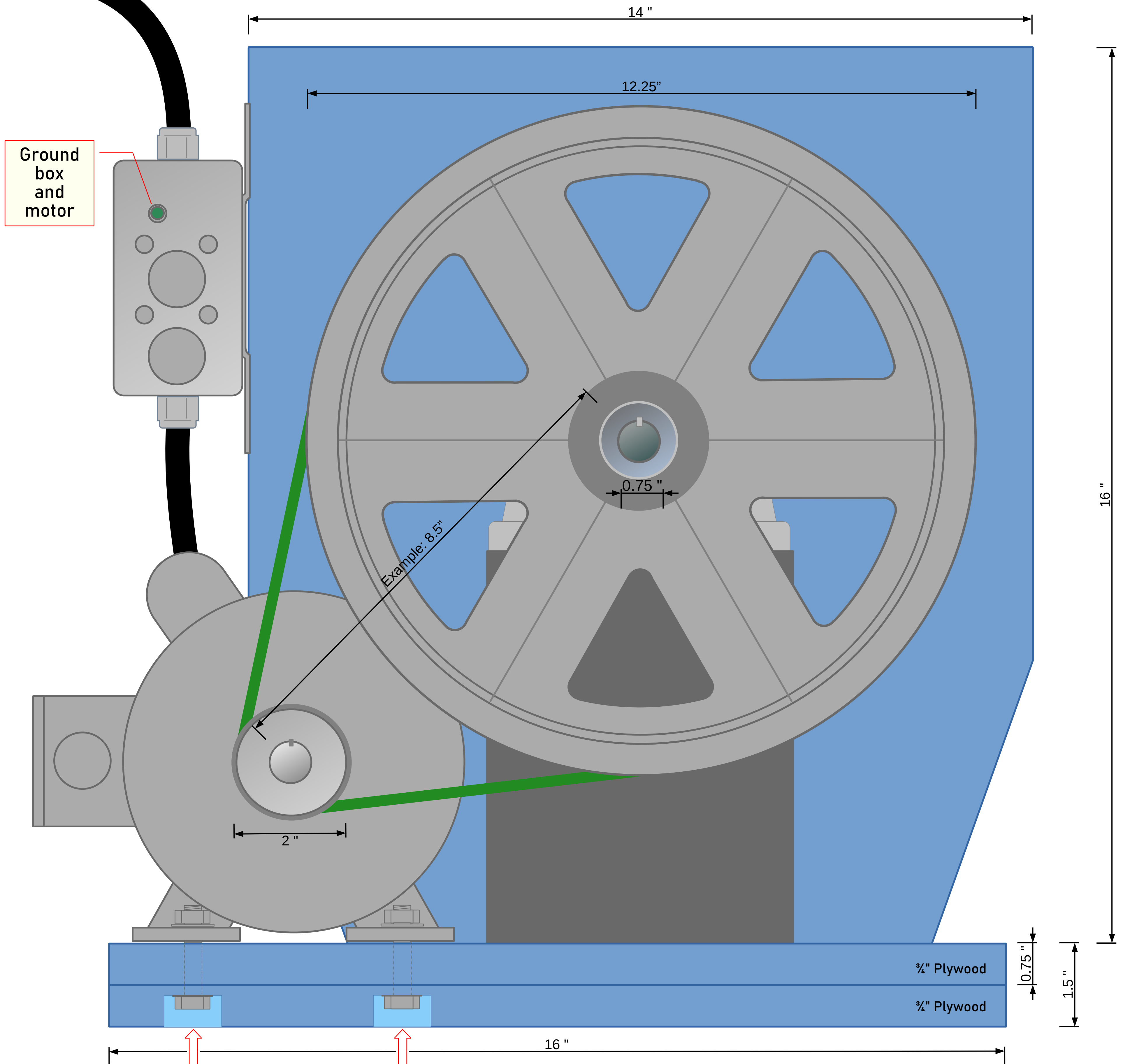
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FRONT PROFILE MOTOR & SWITCH

4

Rear View



Drill motor mount holes after locating where the motor needs to be and still be able to get the belt on. Then slide the motor over to tension the belt and tighten the bolts.

Calculating Belt Length:

You need three values:
 D = large pulley diameter
 d = small pulley diameter
 c = center to center distance of the shafts

$$Belt\ Length = 2c + \frac{\pi}{2} \times (D+d) + \frac{(D-d)^2}{4c}$$

For our sample measurements as shown:

$$Belt\ Length = 2 \times 8.5 + 1.57 \times (12+2) + \frac{(12-2)^2}{4 \times 8.5} = Apx. 42\ in.$$

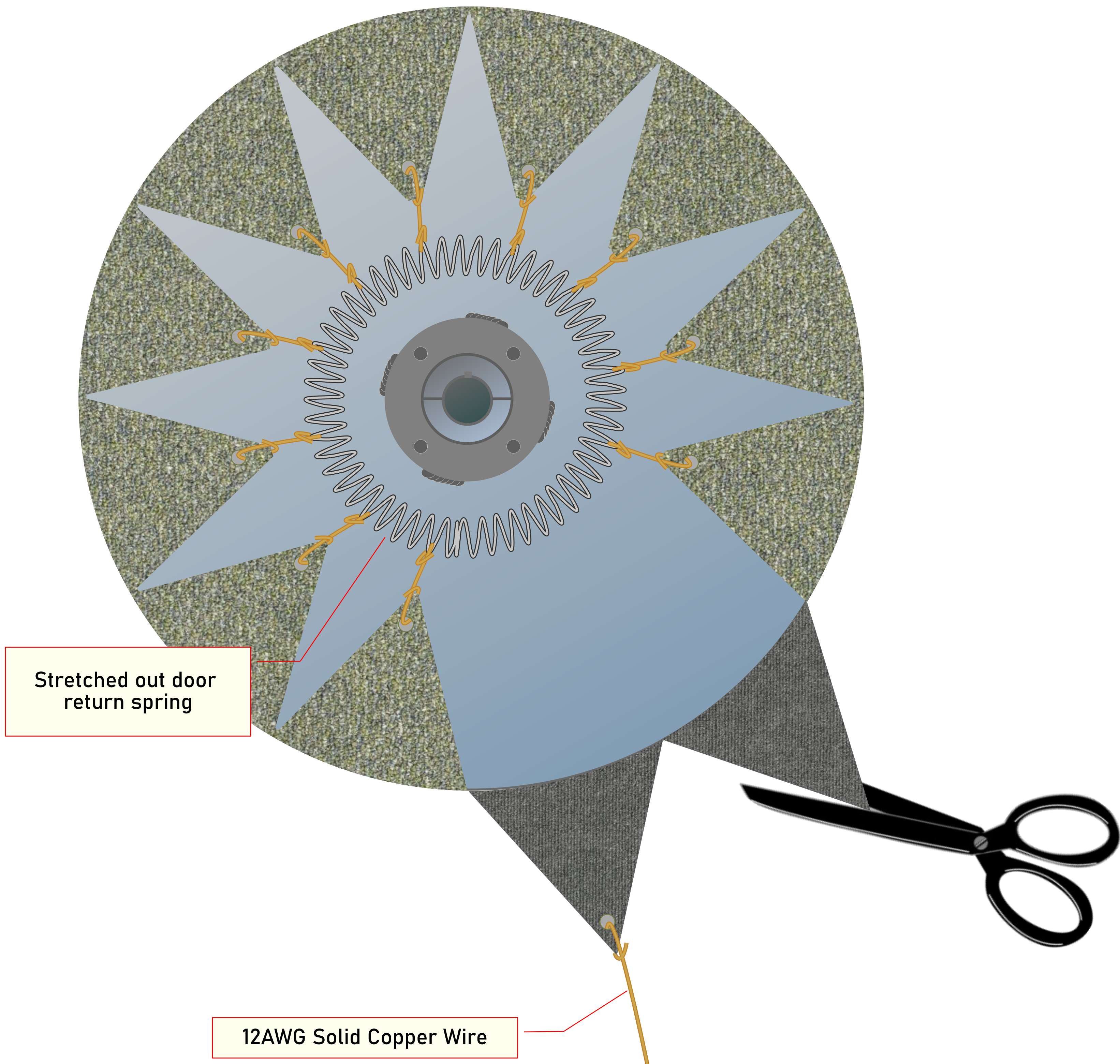
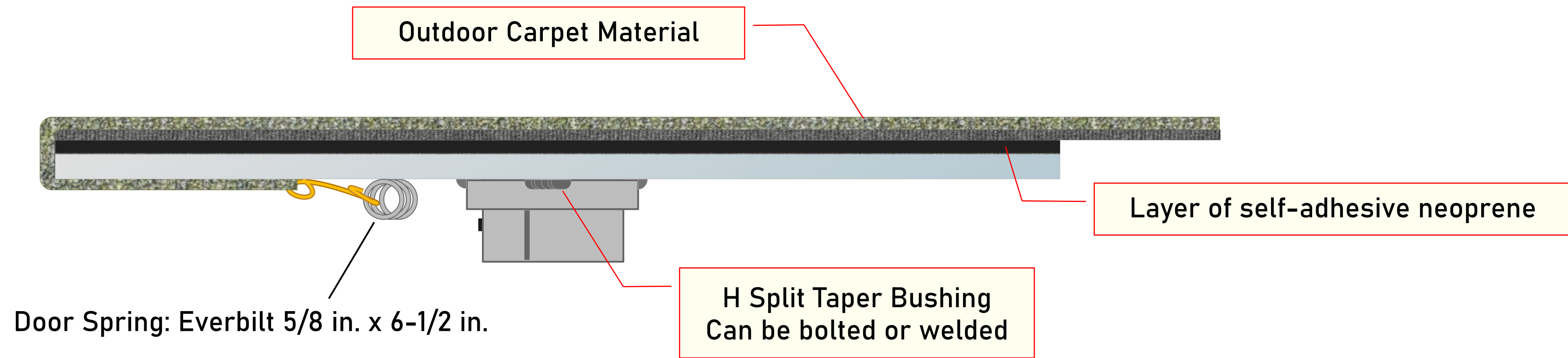


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REAR PROFILE MOTOR & BELT

5



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POLISHING DISC
DETAIL

6