Steel End Wall Kit

Bobcat Tunnel Accessory
Assembly Instructions

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Steel end walls are a good alternative to wood, offering advantages that include longevity and resistance to moisture and pest damage. This kit includes steel beams and hardware to configure your end walls to your specific needs. Please refer to your Bobcat Tunnel Manual for guidance on designing your end walls.

Materials Included

- (50) 5/16" x 1½" carriage bolts
- (100) 5/16" hex nuts
- (200) #12 x 1" Tek screws
- (25) 1 3/8" brace bands
- (20) End wall brackets
- (100) 1½" angle brackets
- (14) 12' 4"-long 1½" steel beams

Tools Needed

- Cordless drill or impact driver
- 5/16" deep drive socket or nut driver bit
- Circular or reciprocating saw
- Saw blade for cutting 1½" steel
- Shovel
- 4' level
- Tall step ladder
- Tape measure

ASSEMBLY INSTRUCTIONS

1. Start by digging two holes in the approximate location of the vertical beams that will sit on either side of your door.

2. Attach an end wall bracket to the end of two 12' 4" steel beams using the 1" Tek screws (see figure 1).

3. Use the end wall brackets to loosely attach these two vertical beams to the end wall bows, using the top brace band you previously installed, 1½" carriage bolts, and hex nuts (see figure 1). These will be the sides of your door frame, so space them just wider than the door you will be installing. Once the studs are plumb, tighten the bolts, and pack soil around the bottoms to hold them in place.

4. Cut a length of 1½" steel beam for the top of the door frame using a circular or reciprocating saw with a metal cutting blade.

5. Install the top of the door frame between the two vertical beams using 1½" angle brackets on both the top and the bottom of the horizontal beam and 1" Tek screws (see figure 2).

   Note: *Be sure the top door frame is level and set at a height so the bottom of the door rests about 1" above ground level.*

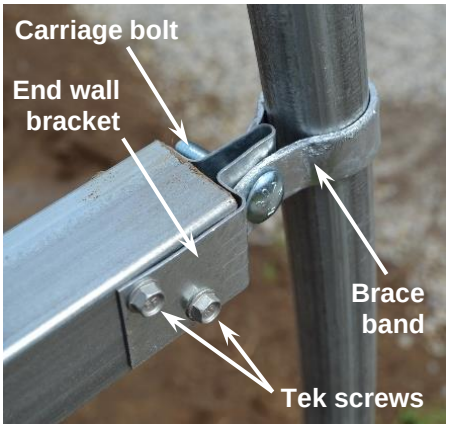


Figure 1: Secure horizontal beam to end wall bow.

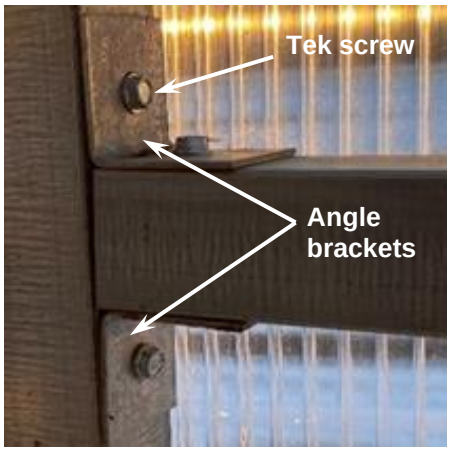


Figure 2: Securing horizontal beam to door frame with angle brackets.

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6. Cut and attach another horizontal beam of the same size just above the door frame beam, so there is a 1½" gap between the two. This will be used for additional support and for mounting the optional sliding door track.

7. Install two horizontal beams on either side of the door frame so they are in-line with the last horizontal stud you placed (see figure 3). This is especially important if you are installing the track for This tool Sliding Door Kit. Secure them to the door frame using 1½" angle brackets on both the top and the bottom of the horizontal beam plus 1" Tek screws; then secure them to the end wall bow as you did with the vertical beams using end wall brackets, brace bands, 1½" carriage bolts, and hex nuts.

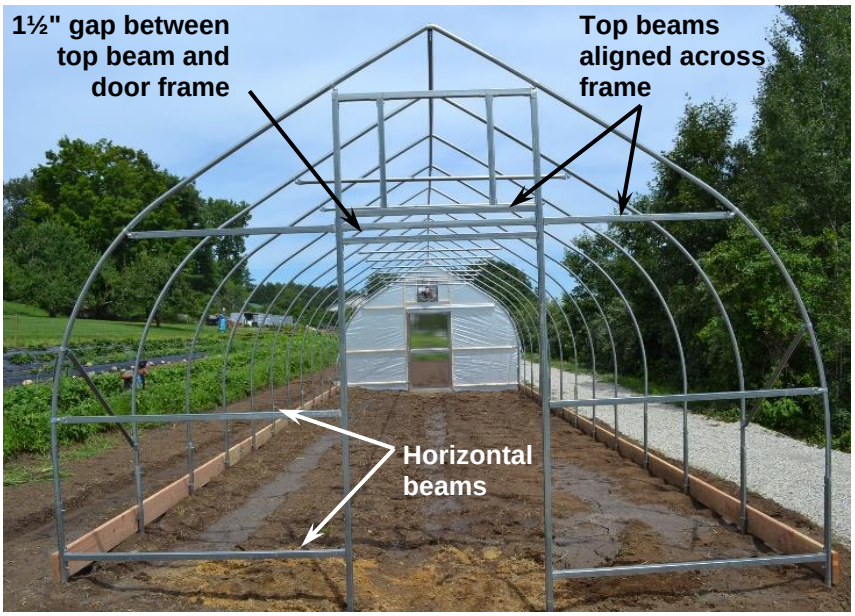


Figure 3: Steel beam placement for end wall framing.

Note: *You will first need to measure the distance from the door frame to the bow, before cutting each horizontal beam to fit.*

8. Install another set of horizontal beams approximately halfway up the door frame, and another towards the bottom (see figure 3). Each bottom horizontal stud must be attached to the end wall bow using a 1½" angle bracket and 1" Tek screws (see figure 4). Level each horizontal beam before securing in place.

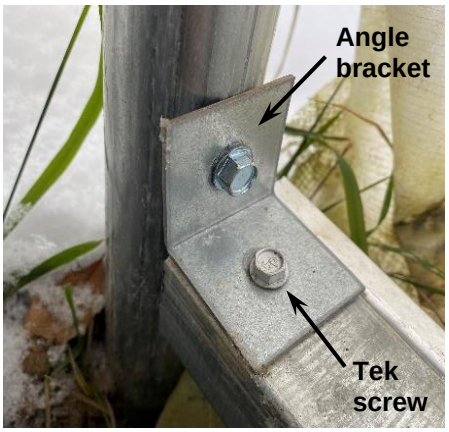


Figure 4: Securing bottom beam to end wall frame.

Note: *If you are installing This tool Sliding Door Kit, be sure to install the middle horizontal beam at a comfortable handle height. The Z-catch for the sliding door is installed on the middle horizontal beam to catch the lever handle from the sliding door, securing it in the closed position.*

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