

Layout 2 lines on the visqueen: [1] along the back inline with beam B1. Using a 3'/4'/5' (12'/16'/20') triangle, establish a line at 90 degrees which will coincide with the edge of beam B2.

Layout the beam structure: beams B1 through B7 on the floor to check the location of the deck relative to the rest of the booth. B1 for example has a welded plate at either end and could be positioned with the flat face out or in. Although B2 has plates on both ends, it is connected by brackets to B5 and B7. The bracket on the end of B5 determines the orientation of B2. The bracket on the (B2) end of B7 must be configured the same as B5. B3 could be rotated either way. The orientation of B4 is determined by the bracket on B7. B6 can only fit with the flush face facing out.

Next move the columns into position so that their feet are in approximately the correct position. Back out the adjustable feet until they are 2" from the bottom of the foot to the bottom of the column.

Bolt beam B1 to columns C1 and C2 (this can be done on the floor or in the air) using the 5/8" x 11 A325 hardware (1 bolt, 2 washers and 1 nut). Tighten with the torque wrench to 75 ft.lbs.

If the torque wrench is not already set, loosen the lock nut on the end of the wrench (this is usually finger tight) and rotate the torque setting ring until it lines up with the 70 mark on the inner tube (this happens when the outer ring reads 0), then continue to rotate the outer ring until it reads 5. Hand tighten the bottom lock nut.

If B1, C1 and C2 are assembled on the floor, lift into position along the back line with the outside edge of C2 touching the perpendicular line. Hold upright.

Use B2 (flush with the perpendicular line) to locate the foot of C3.

Lift C3 and then B2 into position. Hold B2 up by inserting a spud wrench into one of the beam holes at both ends and bolt the beam to the columns by installing a bolt assembly through the other hole before removing the spud wrench. It is safest to have both bolts in one end bolted before working on the other end. Tighten all bolts to 75 ft.lbs.

Before proceeding, recheck that the column feet are correctly positioned on the lines.

B5 will give you the east/west location of C5. Measure 45 11/16" (116cm) from the back line to find the north edge of C5. Notice that C5 has a welded plate at 1 end and a bracket at the other. The welded plate connects to C5, the bracket to B2. Lift both in to position, install bolts and torque tighten.

Use B3 and B4 on the floor to find the location of C4. Lift C4 and B4 into position and bolt. Add B3 to close the rectangle. Tighten and torque the bolts.

Add B7 and B6, torquing the bolts to 75 ft.lbs.

The beam/column structure is now complete.

The next step is to add the deck panels. Lift D1 onto the beams making sure the male rotolocks face towards beams B2 and B5. NOTE: whenever you add a deck panel make sure you orient the male locks the same way on the ground before you lift it up.

D1 sits flush with B1 and B6. Before sliding flush with B1, turn the J bolt parallel to B1, with the open end facing towards B6. Flush up, and engage the J bolts, by depressing the nut, rotating the j bolt 90 degrees, releasing the pressure so the J can engage and then tighten the nut without depressing the bolt again. Doing the J bolt in B5 first where you can see the J bolt position will help you get the “feel” of this assembly process.

Lift D2 into position, (after checking the correct orientation of the locks). Use the pear shaped alignment tool to align the deck panels (routed pocket in the top of the decks) before tightening the rotolock. Engage the J bolt.

Now install D3, D4 and D5. The outer edges of D3 and D5 are flush with the outer edge of the beams. Use the pear shaped tool again to speed the deck to deck alignment while roto-locking. On D4 and D5, since they are rotolocked to D1 and D2, you only need to engage the J bolts on B7.

Add decks D6, D7 and D8 again checking lock orientation before lifting into position.

You may have to make minor adjustments to the column/beam structure to correctly “fit” the decks. The J bolts need to be loose before these adjustments can be made.

Tighten the remaining J bolts. Deck installation is now complete

The walls could be installed next, before the stairs are added, so everything is open and easy to access.