

# Assembly Instructions: Fiberglass Table Top Lab Frame Kit, 8 Foot

## Tools needed:

- Pencil or other removable marker
- Straight edge
- Tape measure or ruler
- 12 Screws, #8 countersunk head, appropriate for the table top material, i.e. wood screw, sheet metal or machine screws/nuts (screws are not provided with this kit).
- Drill
- Drill bit sized for the screws you are using
- Screwdriver to fit the screws you are using
- 3/8" wrench (or adjustable wrench)
- 1/8" Allen wrench (included with kit)

## Components Included:

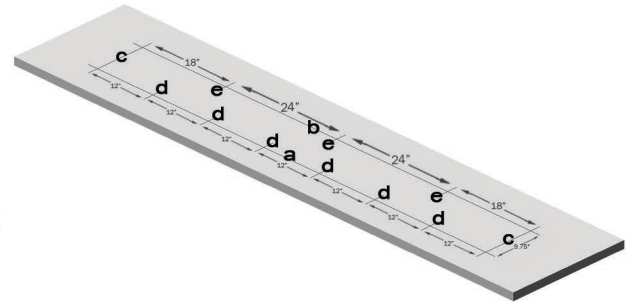
- (8) 36" Fiberglass Rods
- (4) 86" Fiberglass Rods
- (5) 24" Fiberglass Rods
- (5) 4" Fiberglass Rods
- (39) Closed Connectors
- (13) Vertical Base Plates



*\*Note: This kit was designed to allow a one-foot grid spacing. The grid spacing can be changed to suit your needs. If you need a denser grid spacing you can order extra rods, connectors and base plates by going to [www.engineeringbylee.com](http://www.engineeringbylee.com) or calling 844-781-5080. Do not overtighten the screws or it will crack the plastic.*

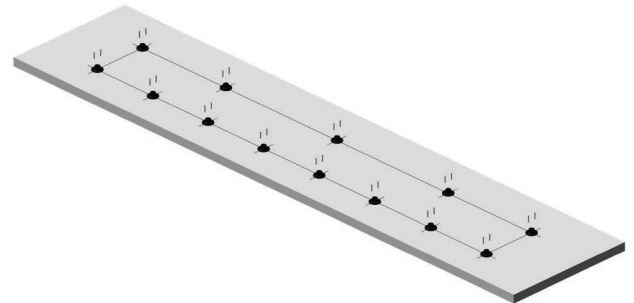
### Step 1: Mark the locations of the vertical bases

- First, draw a straight line about 88" long on the table top, parallel to the table edge from left to right. This line will be the front of the lattice frame.
- Next, draw a second straight line from left to right on the table top 9-3/4" in back of the first line you drew. This will be for the rear support bases.
- Next, draw two perpendicular lines about 14" long, 84" apart for the left and right vertical rods, centered over the two lines drawn above.
- Next, draw six lines about 4" long perpendicular and centered to the front line every 12".
- Lastly, draw three lines about 4" long perpendicular on the rear line 18" from each "c" line and one in the center of those lines.



### Step 2: Mount the thirteen vertical base plates to the table top

- Center the base plates over the lines.
- Drill the appropriate diameter and depth of hole into the table top in the center of each screw hole.
- Before mounting the bases erase the alignment marks on the table top.
- Install the screws and tighten.



### Step 3: Install the rear support

- Back out the setscrews in all the bases to allow the rod to slip thru them.
- Install the four 4" rods into the rear bases (*Do not tighten set screw at this time*).
- Slip ten connectors onto one 86" rod.
- Using connectors 1, 3, 6, 8, 10 attach the 86" rod so it is in front of the 4" rods, slide the connectors all the way down on the 4" rods until they rest against the bases, center the 86" rod and use a 3/8" wrench to tighten the two screws on each of the connectors on the 4" rods. There should be five loose connectors as shown below.
- Use the supplied 1/8" Allen wrench to tighten the setscrews in the five rear vertical bases.

