

12' x 12' FABRICATION TENT ASSEMBLY INSTRUCTIONS

The framework is built of sturdy steel tubing - diameter 1" & 1-1/4". The 1" fits into the 1 1/4" and the 1-1/4" fits over the 1" tubing. All parts are color coded for easy assembly. The assemblies (brackets) that form the corners and joints are fabricated from the same diameters of tubing allowing all parts to fit over or inside each other. Set screws hold connections tightly. Pins inserted into pre-set holes hold the shop at its fully extended height. The inside component of the uprights, have two sets of holes, giving the part a dual purpose and allowing it to serve as a cross brace.

Please refer to the included **Frame Assembly Diagram (fig.1)**, **Frame Parts List** and **Frame Layout Diagrams** to assist in assembling your portable fabrication shop.

Instructions (refer to fig.1):

1. Arrange the **Lower Corner Brackets (#A)**, and **Lower Inside Brackets (#C)** as shown in (fig.1).
2. Slide an **Inside Lower Bracket (#C)** onto each of two **Black End Rails (#1)** and then insert one end of the **Black End Rail (#1)** assemblies into the **Lower Corner Brackets (#A)**, flush to the outside. The male ends of the **Black Centre End Rail (#1A)** fits into the open ends of **Black End Rails (#1)** on either side to complete the peak end of the lower frame. Measure exactly twelve feet (12') and tighten set screws. Repeat at the other end of the tent.
3. Insert the **Blue Side Rails (#3)** into the **Lower Corner Bracket (#A)** and **Lower Inside Brackets (#C)**. (fig.1)
4. Complete the side by connecting the **Inside Brackets (#C)** together with one **Blue Side Rail (#3)**. (fig.1)
5. With the **Blue Side Rails (#3)** flush to the outside edges of the **Lower Corner Bracket (#A)**, measure 48 inches to each upright post for a total length of twelve feet (12') and tighten set screws. This completes the base of your new portable fabrication shop.

Walls and Roof

6. The **Red Uprights (#6)**, slide onto the upright post of each of the **Lower Inside Brackets (#A)**. Install one on each post. Hand tighten the set screws to hold in place.
7. The **Upper Corner Brackets (#B)** and **Upper Inside Brackets (#D)** slide onto the **Red Expandable Uprights (#6)**. Install these in their respective positions as shown on the Frame Assembly Diagram.
8. Before installing the upper **Black End Rails (#1)**, **(#1A)** & **(#2)** slide two **Cross Brace Brackets (#G)** on each of the **Black End Rails (#1)** & **(#1A)** with the angled tube facing down and to the outside. Finish the upper end rail by connecting them together with **Black End Rail (#1A)**. Hand tighten the set screws.
9. Attach the **Black End Rail** assembly to the **Upper Corner Brackets (#B)** and then connect the **Blue Side Rails (#3)** between **Upper Corner Brackets (#B)** and **Upper Inside Brackets (#D)**. Hand tighten all upper connections.
10. Slide the **Yellow Outside Rafters (#5)** onto the **Upper Corner Brackets (#B)**, and insert peak ends into **Roof End Bracket (#E)**. Repeat on opposite end. Hand tighten the set screws.
11. Repeat step 9 for the inside rafters, using **#5 White Inside Rafters**. For peak, use Centre Roof Assembly **(F)**.
12. Use remaining **Blue Rails (#3)** to form the roof line. Hand tighten the set screws. This holds the frame together for alignment.

Alignment

Outside

The length of **Black End Rail** assemblies **(#1)** **(#1A)** **(#2)**, from corner **(#A)** to corner **(#A)** should be twelve feet (12'). The exact measurement of the lower width should be repeated for the upper width on both ends. When the width is correct, the **Roof End Bracket (#F)** set screws can be tightened. Repeat on other end.

Inside

The measurement from the outside edges of the **Upper Inside Brackets (#D)** will also be exactly the same as the original 12'. When the measurement is correct, tighten set screws on **Centre Roof Bracket (#E)** and **Upper Inside Brackets (#D)**.

Before continuing, tighten all set screws, except those on the Red Expandable Uprights.

Shell and Lift-Ring Bracket

1. When all the set screws are tight, and the **Expandable Red Uprights (#6)** are still in compressed state, throw the shell over the top. **Before covering the entire tent**, you will install the **Sky Hook Lift-Ring Bracket (#H)**.
2. Place the two holes in the shell over the bolts in the **Centre Roof Brackets (#F)**.
3. Install the **Sky Hook Lift Ring Bracket (#H)** and tighten the bolts.
4. Spread the shell over the entire frame. Tie up the sides to allow for extension of **Expandable Red Uprights (#6)**. (fig.2)

Tent Completion

1. Although extension of the **Expandable Red Uprights (#6)** can be done by one person, a corner at a time, it is safer when done by two people working together.
2. With a wrench in hand, lift a corner (one person) or (two people) as high as possible and tighten set screw. Repeat at the other end.
3. Lift one end to full extension and insert pin. There are two pin holes, use the shorter. Repeat at other end.
4. Install remaining **Expandable Red Uprights (#6)** into the **Expandable Cross Brace (#G)** and the **Lower Corner Brackets (#A)**, insert pins at proper extensions (other hole). (fig. 3)
5. Drop sides of canvas to complete tent. (fig. 4)

