Notes on Bridge Stand for the Republic Seabee:

(In no specific order)

All material is architectural aluminum (1/8" wall) except for the plywood top, rubber wheels and hardware.

Make the top frame first, welding the joints securely. (The top frame is made of 1½" x 1½" square aluminum tubing).

Vertical legs are 1" x 3" rectangular aluminum. They are set at a 10° angle from the floor. Build both ladder sides before attaching to the top frame. Ladder sides are attached with full length of threaded rod through the top frame.

1" x 1" angle brackets are made and attached to each step and vertical ladder piece using self-tapping screws (#10). Twelve angle brackets are required. Steps are 2" x 1" rectangular aluminum.

Wheels are mounted so that when the bridge stand is on the floor, they are approximately 1/4" off the floor. They are mounted to 1" x 1/4" aluminum and bolted to the bottom of the legs. Handles on the top of the bridge stand should be on the same side as the wheels for easy lifting and bridge stand removal.

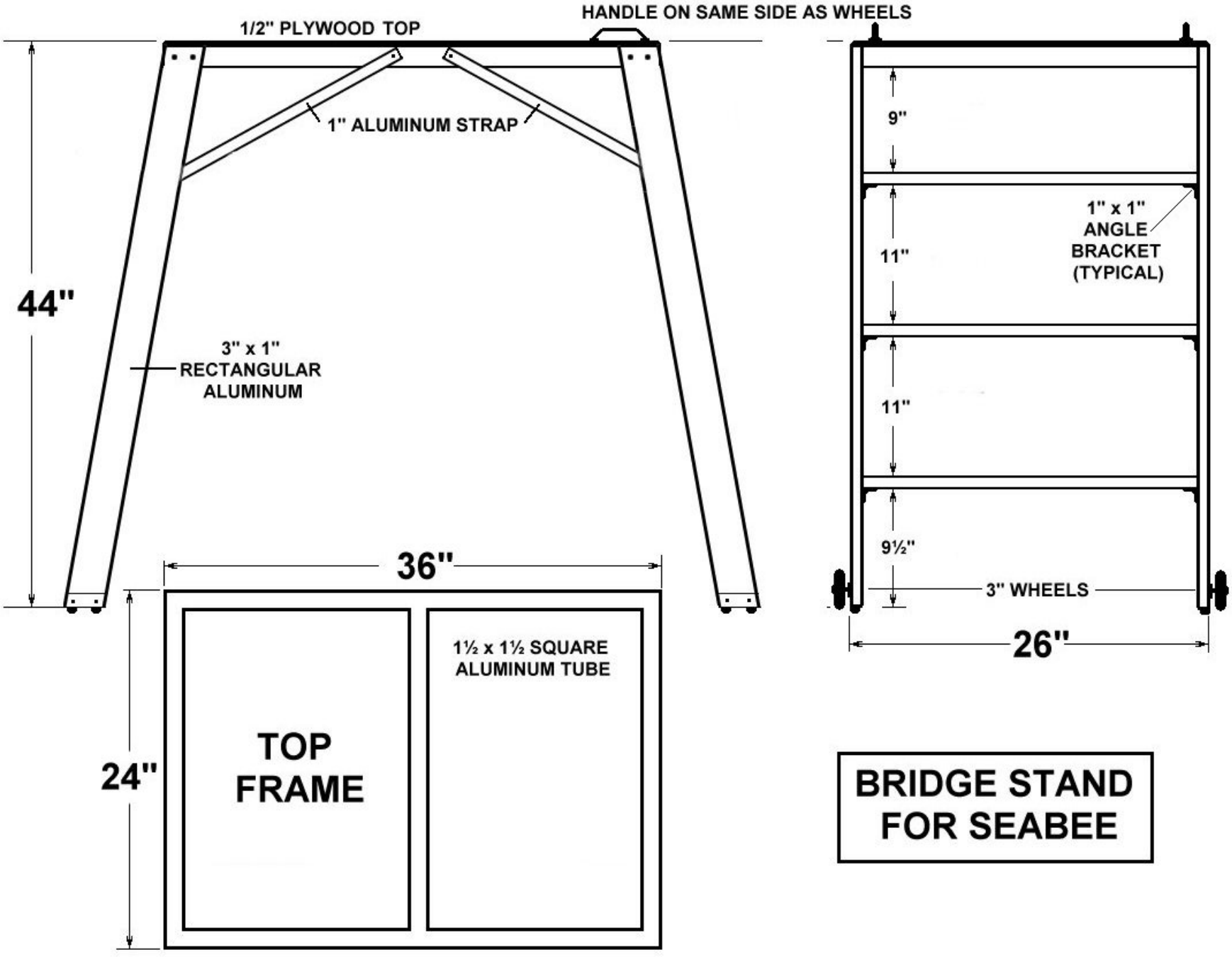
Plywood top is screwed into top frame after assembly is complete. I used Tinnerman washers and flat head screws.

Foam rubber tubing (insulation foam tubing) is used on ALL exposed structures of the bridge stand for airframe protection.

Use hardware to attach various parts as you see fit.

The cross braces are 1" x ⅛" aluminum. Cross braces are on each side and across one side of the ladder section. Be sure the bridge stand will clear the airframe. Adjust the position of the cross braces for adequate clearance. I extended the landing gear struts to maximum before adjusting the height of the bridge stand.

Cover bottom of each leg with 1" x1" angle aluminum. Small rubber feet are attached to the bottom of each of these legs (2 each leg). Use the screw-on kind of rubber feet.



BRIDGE STAND FOR SEABEE