

Long rails

6 required

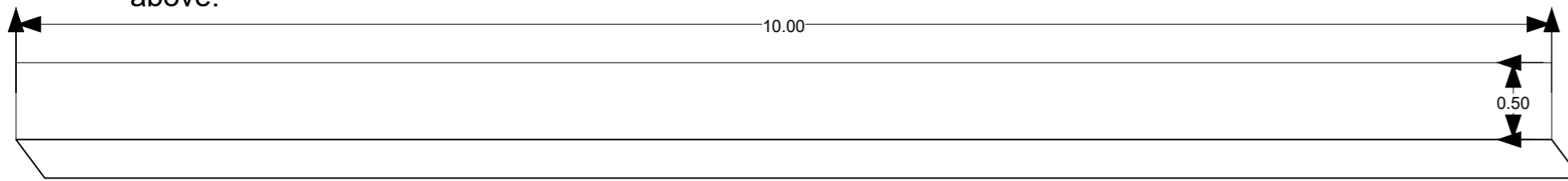
Fab from .050 Al sheet, 10" x 1", fold 90 degrees so there are two ½ inch sides
Alternatively, you can use ½ x ½ x .125 thick aluminum angle stock (better)

2 of these rails will go on each floor plate to form the side bindings for the top cover, and to add strength to the floor plate. Place from front to back (centered) along the left and right edges of the floor plate, and secure with #6 self-tapping screws; Alternatively, 5/32 pass-through holes may be drilled through the rails, and they can then be secured with 6-32 machine screws, nuts and lock washers.

One of these rails will go at the top of the rear panel. Align and secure as described above. One more rail forms the bottom rail on the rear panel, and should be aligned 1/8 inch away from the bottom edge of the panel. When aligned this way, the rail will sit on top of the floor plate and will hide the floor plate, which will snug up to the inside of the rear panel.

One of these rails will go at the top of the front panel, aligned along the edge. Drill 3/16 pass-through holes to line up with the blind holes in the front panel. Fasten this rail with 4-40 x 3/16 machine screws with two #4 flat washers under the head of the screw. Do not over-tighten (the screw can push out a dimple in the front panel if it goes too deep).

The last rail goes at the bottom of the front panel, 1/8 inch up from the edge. Fasten as described above.



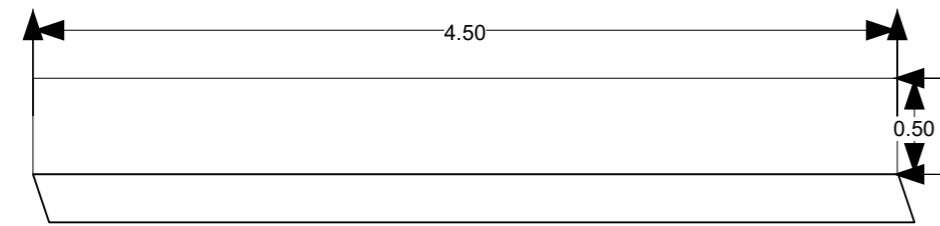
Short rails

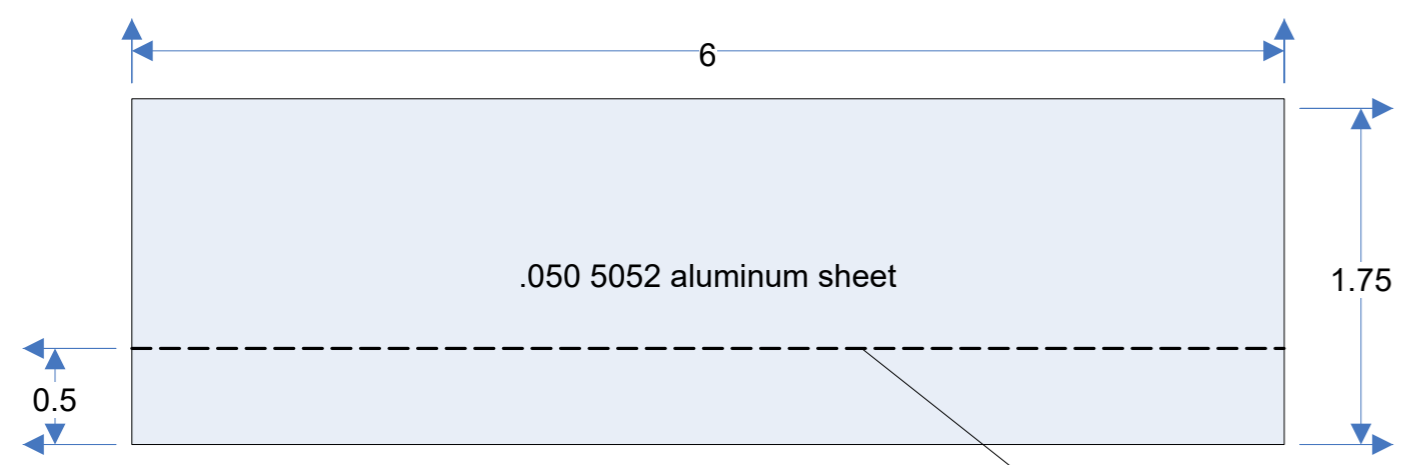
4 required

Fab from .050 Al sheet, 4.5" x 1", fold 90 degrees so there are two ½ inch sides
Alternatively, you can use ½ x ½ x .125 thick aluminum angle stock (better)

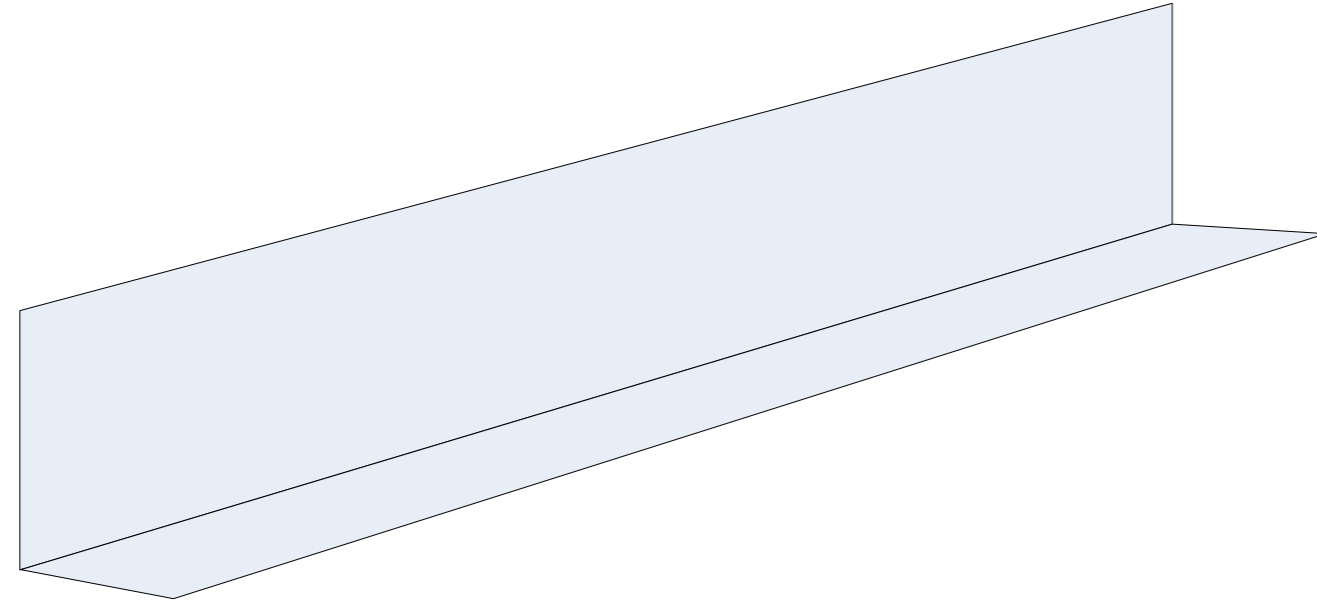
Two of these rails will go along the short sides of the rear panel, aligned along the edge. Secure with #6 self-tapping screws; Alternatively, 5/32 pass-through holes may be drilled through the rails, and they can then be secured with 6-32 machine screws, nuts and lock washers.

Two of these rails will go along the short sides of the front panel, aligned along the edge. Drill 3/16 pass-through holes to line up with the blind holes in the front panel. Fasten these rails with 4-40 x 3/16 machine screws with two #4 flat washers under the head of the screw. Do not over-tighten (the screw can push out a dimple in the front panel if it goes too deep).



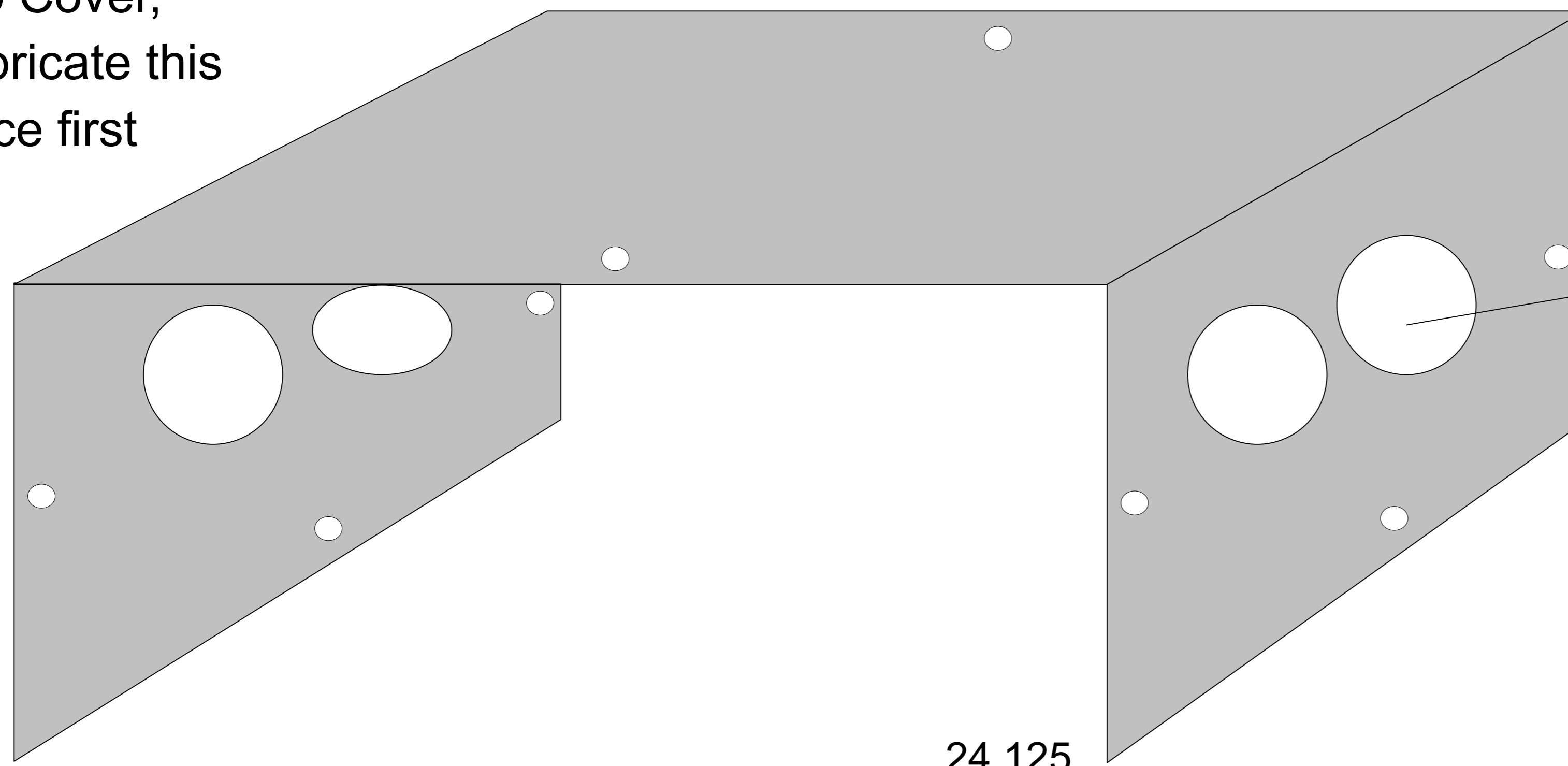


Fold 90 deg

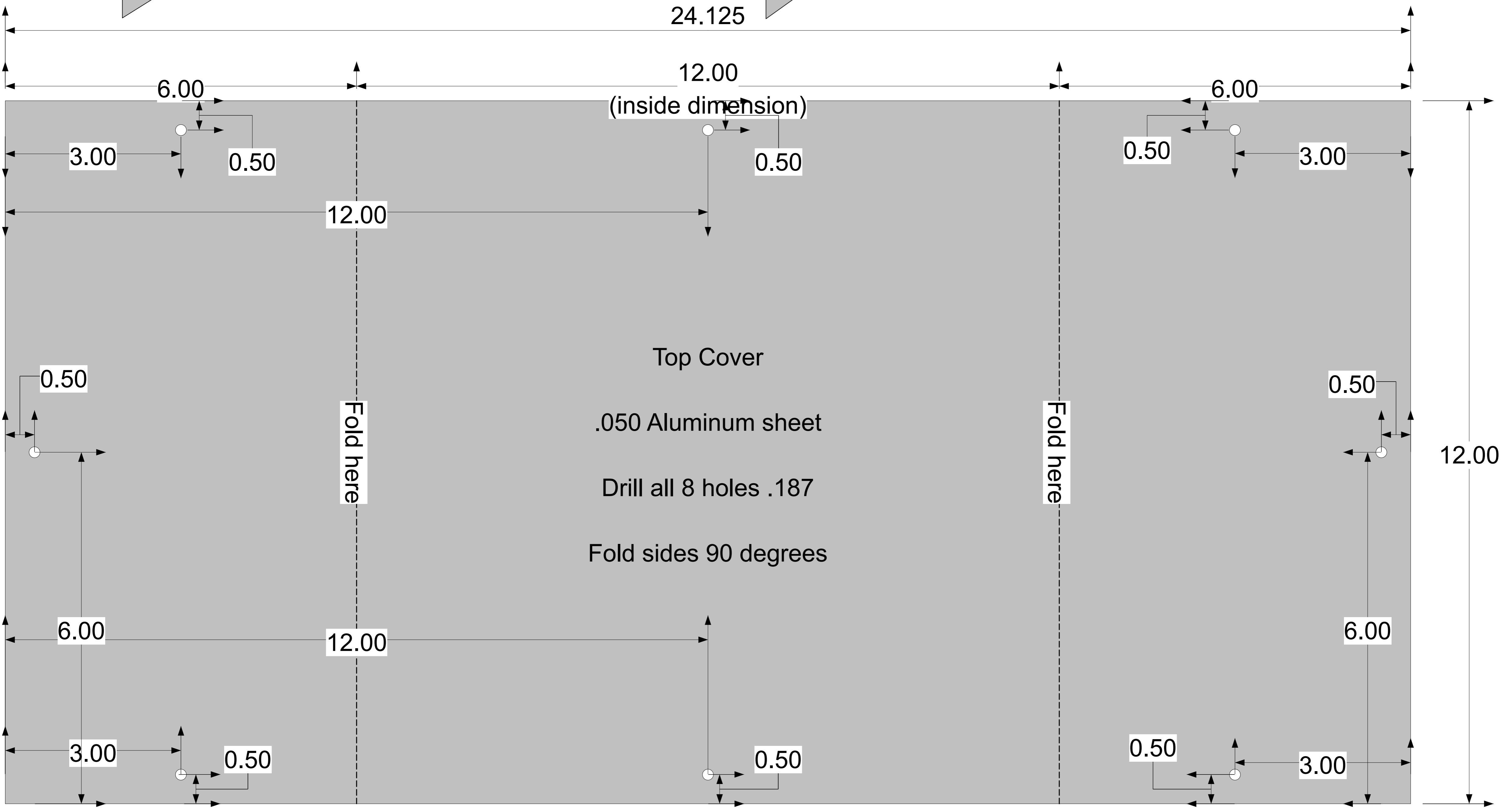


Heat sink mounting brackets (2 required)

Top Cover,
Fabricate this
piece first



Vent holes are 2" diameter, spaced 3 in and 5.75 in from the front of the cover and 2 in from the top of the cover (both sides).
Screen on the inside with 1/4" hardware cloth (galvanized steel mesh)



24.125

12.00

(inside dimension)

Top Cover

.050 Aluminum sheet

Drill all 8 holes .187

Fold sides 90 degrees

12.00

6.00

0.50

3.00

0.50

12.00

6.00

0.50

3.00

12.00

0.50

3.00

0.50

0.50

3.00

6.00

6.00

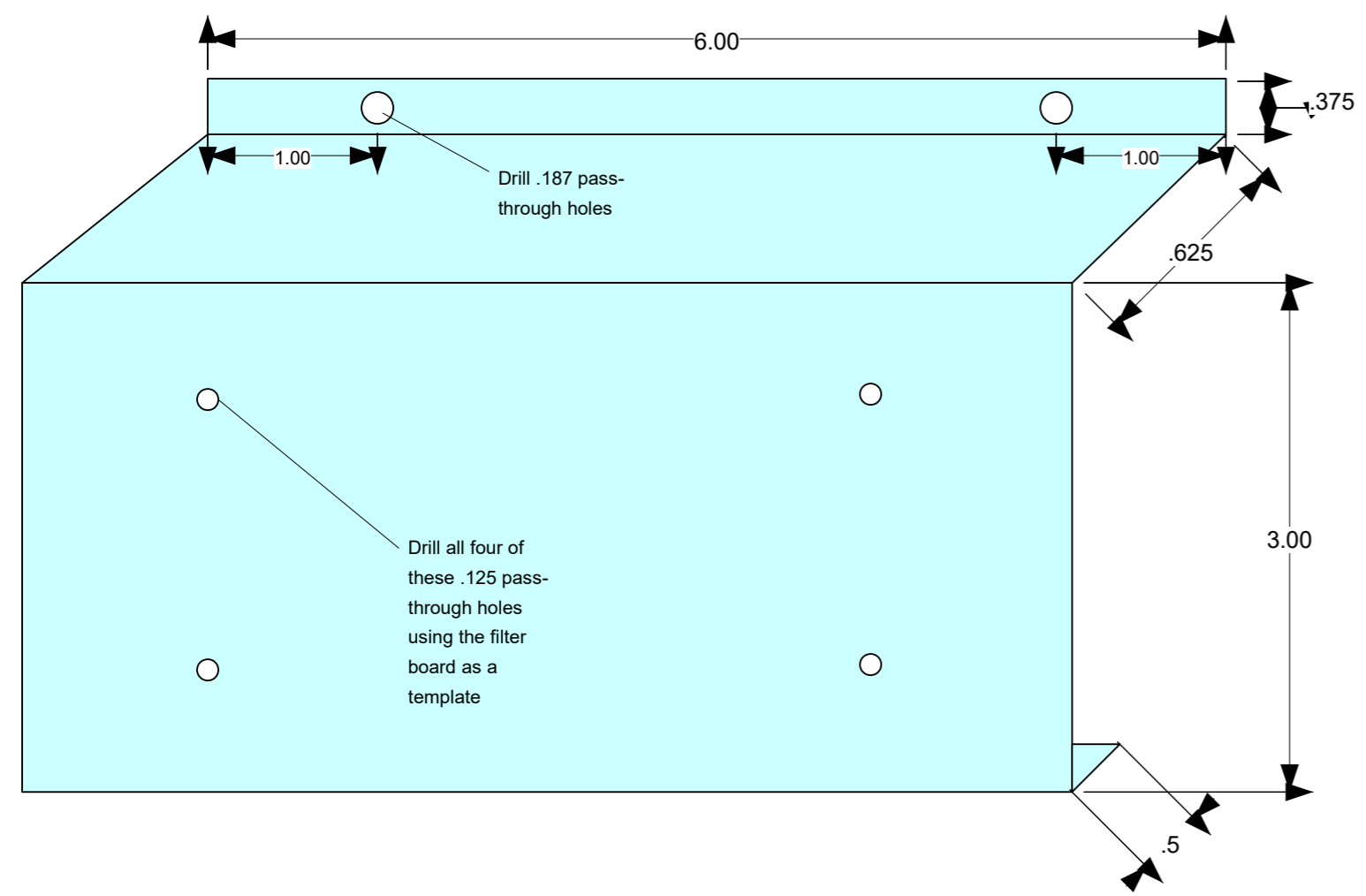
0.50

0.50

Fold here

Fold here

This bracket is not used on the HF or on the 1296 MHz amplifier



Fab from .050 Al sheet, 4.5" x 6". Bend 90 degrees at the 3 places shown