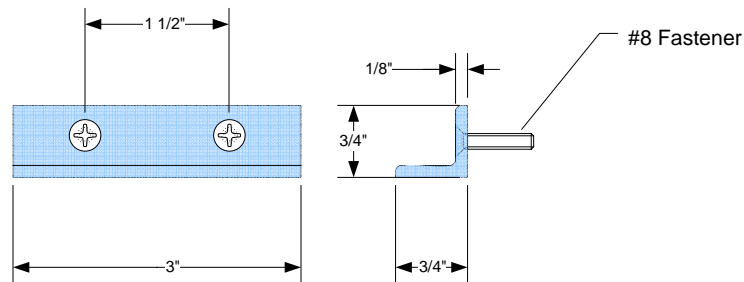


Notes:

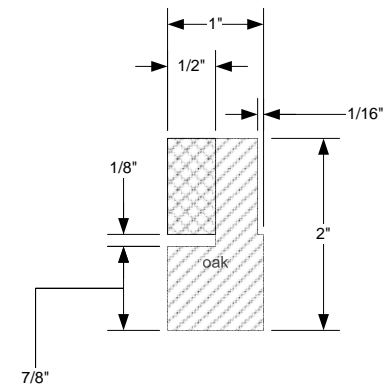
The concept of this Sea Hood for the KP44 sailing yacht is to utilize the existing hatch frame as a base for a removable cover to keep seawater from entering the cockpit and cabin around the hatch slides and openings. Stainless cleats hold the unit in place. A neoprene seal at the aft end keeps the water out. Because the hood overlaps the frame, there is no need for bedding. The Sea Hood is held against the teak splash guard by 4 screws on the cockpit side of the splash guard. It is easy to remove for re-varnishing or servicing the hatch.

Construction Notes:

A block of teak is fitted across the deck between the hatch support. This needs to be water-tight and should be bonded to the deck using 5200 or 4200 adhesive/sealant. The Hold-Down Rails (above) are fitted and screwed to the both sides of the hatch support. Lengths are not the same and custom fitting is required. The Sea Hood itself is standard carpentry. Cutting the angle to the splash guard should be done before assembly of the sides.



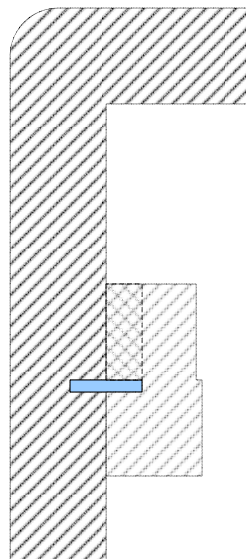
Cleats (10) – .75 x .75 x .125 T316 angle



Hold-down Rail Cross Section

Notes:

316 Stainless Angle in a useful size is only readily available in $\frac{3}{4}$ " x $\frac{1}{8}$ ". This dictated the depth of the slot and the need for an oversize ($\frac{1}{4}$ ") slot on the inside of the sea hood sides. Onlinemetals.com is a good source for small metal pieces.



Alternative Cleat Design

316 Stainless Flat Bar in $\frac{3}{4}$ " x $\frac{1}{8}$ " could be glued into a slot cut in the side rails. Splines would be used to fill the slot on either side of the cleats. A few holes drilled in the stainless would help bond it. Epoxy or 5200 could be used as the adhesive to hold the stainless.

This would make a stronger side rail because the slot is less deep. It is also a neater installation. But there is the possibility of the adhesive not holding. However there is no force on the glued joint. It only needs to hold the stainless cleat in place. If the glue did fail the hood would still be removable.

