

SAIL PLAN and RIG

The sail for TWO BITS is constructed with 3" sleeves along the luff and foot for the luff and foot spars. See Figure 20. The luff sleeve is closed at the top and the foot sleeve is open at both ends. There are two openings in the luff sleeve for the pintles which mate with gudgeons on the mast to support the sail; there is no halyard. Use lightweight pintles and gudgeons as sold for dinghy rudders. There is one opening in the foot sleeve for the sheet attachment.

The sail ^{will} ~~should~~ be constructed by an ⁱⁿ ~~ex~~perienced sailmaker. I can recommend ~~Egg Sailmakers~~ Perry Mill Wharf, Newport, RI 02840, as I have worked with them on this sail. They offer the sail for approximately \$100.

Spars are cut from two 10' lengths of 1"x3½" fir flooring. Cut a 2" wide strip from each piece and glue them together with waterproof glue to form a 2" square section. The remaining two pieces, 1"x1 3/8" in section, are used for the luff and foot spars.

Cut and shape the mast and spars to the dimensions shown in Figure 22. From the 2" square mast section, taper the bottom 6" into a 2" circle. From a point 1'8" above the heel, taper gradually to a 1½" circle at the top. For the luff and foot spars, simply round the corners and ends. Varnish or paint the spars.

Slip the luff spar into the luff sleeve, pull the luff tight, and mark on the spar where the lower edge of the luff pocket falls. Also mark the openings for the pintles on the spar.

Remove the luff spar and bend the pintles to wrap around

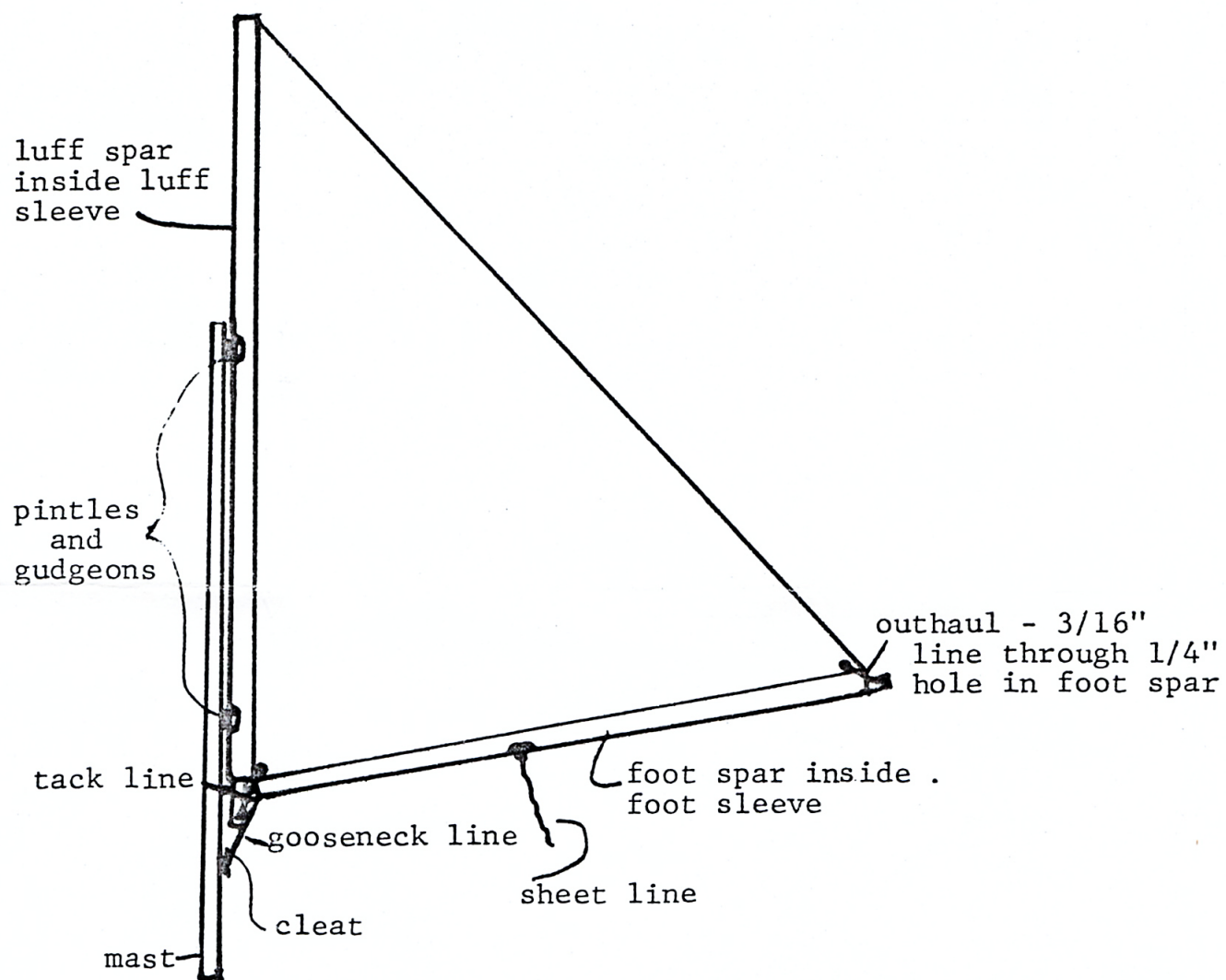


Figure 20. Two Bits sail and spar arrangement.

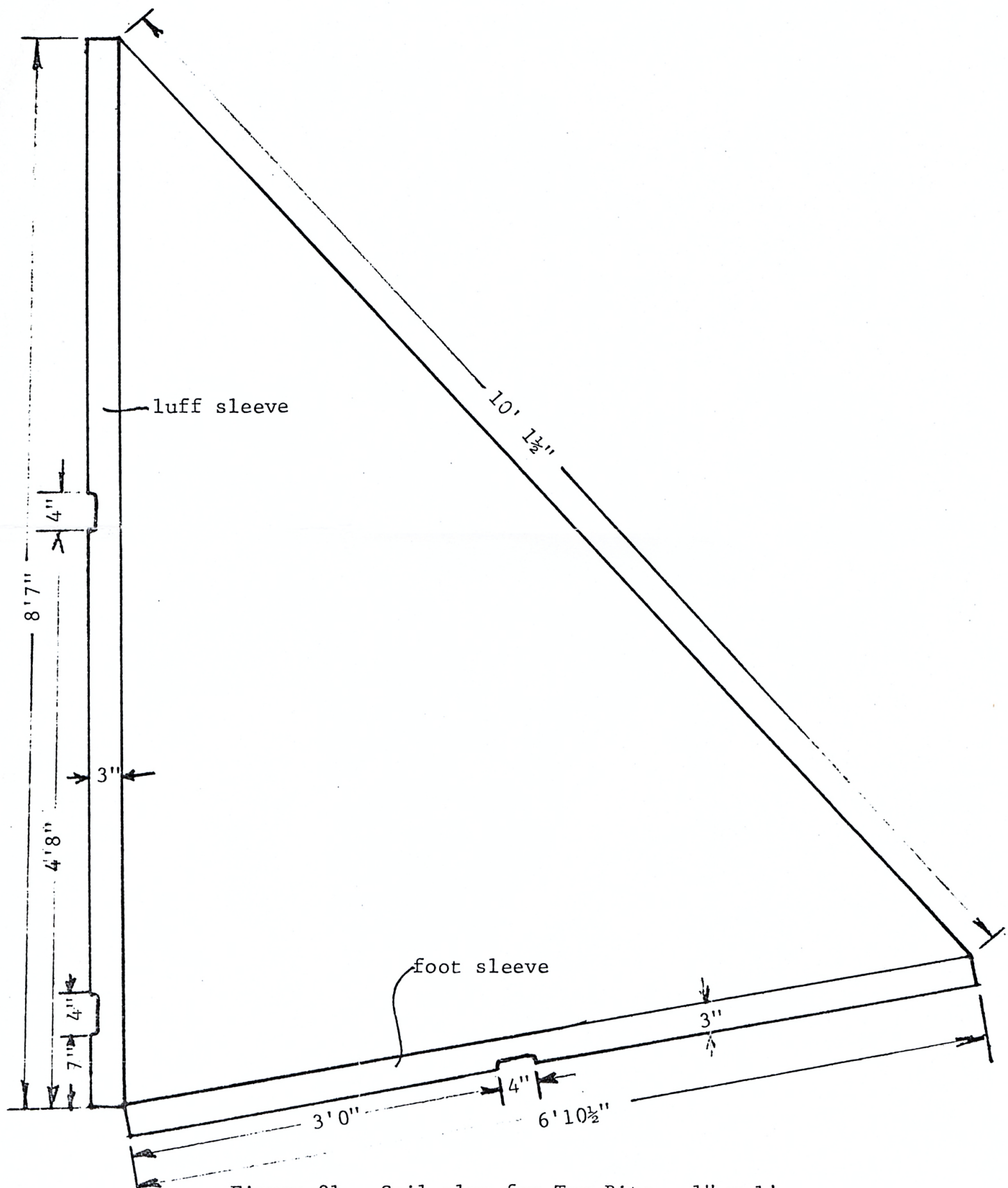


Figure 21. Sail plan for Two Bits. 1" = 1'