

Top View - Port Rail

141" Actual Length

Notes:

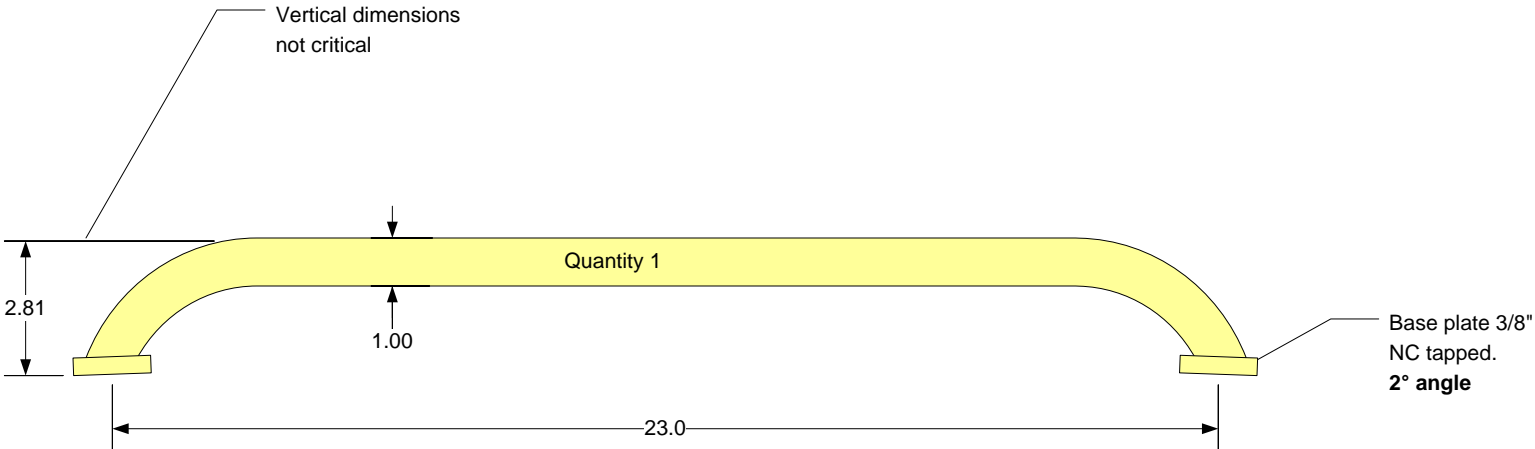
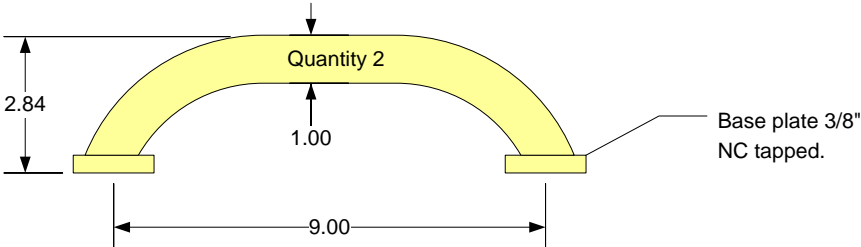
1. It is unwise to attempt to match the original holes because
 - a. It is nearly impossible and also unnecessary, except for perhaps a single hole. Plug the others and drill/fill/redrill the others.
 - b. with stainless the distance between attachment points (stanchions) can be greater; i.e. less holes than with the wooden grab rails.
2. The bases are stainless discs with a nut welded to the inside. Only a single hole is required for fastening. I recommend threaded studs (available online at Essentra Components) and a cap nut below decks.
3. I used EPDM (neoprene would also work) washers instead of bedding and have not had any leaks at all.
4. The rails are much stronger and can be used as lashing points for deck cargo (e.g. a dinghy).

Installation Tips:

Work from one end and drill one hole at a time. Drill the first hole. Thread a stud into the end base and another stud into the next base, but further in so it doesn't project so far. With the first stud locked in the hole, position the rail and draw a pencil mark around the second stud. Drill a hole in the center of the pencil mark.* Unscrew the second stud to the same projecting length as the first stud. Proceed to the third stud and do the same thing; drilling the holes one-by-one. Once all are done drill-and-fill with epoxy to create an epoxy plug through the deck and then re-do the process of locating and drilling the final holes.

* To accurately drill through the deck use a drill guide. I used a small block of 1-½" Starboard plastic which was carefully drilled (use a drill press if one is available) with the appropriate size hole. I have used this technique often and it works very well.

Jeff Stander
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Shipping Instructions to Follow
Date Needed: ASAP



S/V BEATRIX - KELLY-PETERSON 44 #286 (1980)	TITLE Deck Fittings - Grab Rails	REV	SCALE 1: 4	PAGE 2 OF 2	DATE 10/03/2014	DRAWN BY JSTANDER
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