

# Great Northern Docks

# 3'x20' Finger

For Non-commercial and Non-public Applications

The long narrow finger dock attaches perpendicular to a main dock and provides boat slips for marina dockage. The narrow finger obviously conserves space along the main dock to accommodate the maximum number of boats possible. The finger dock shown here is 3 feet wide. Some marinas use a 2 foot wide finger to save space and reduce cost of floatation. However, the wider the finger is, the more stable it will feel while offering greater comfort when pedestrians move about. As narrow floating docks have a tendency to feel tippy from side to side, it is important to construct the finger dock with basic techniques that will maximize stability. Avoid using round barrels for floatation. Use a box like floatation that is flush with the width of the finger. Use enough floatation at both ends of the finger to more than float the expected loads. As one's weight shifts side to side, the long wood frame below has a tendency to flex and twist. Therefore, use a torsion bar of steel to stiffen the wood frame from end to end. All exterior butt joints should be bolted with a reinforcement plate such as a hinge plate that mounts on the end to adjoin to the main dock or corner irons.

## INSTRUCTIONS

Typical framing to be of grade #1, P.I. min. with 2x6 for non-commercial, light load portable use.

Add intermediate framing boards as needed to improve load and duty capacity.

Typical decking to be 5/4x6 P.I. Or Cedar, materials that span up to 24".

Use 3" (10 penny) galvanized nails for assembly.

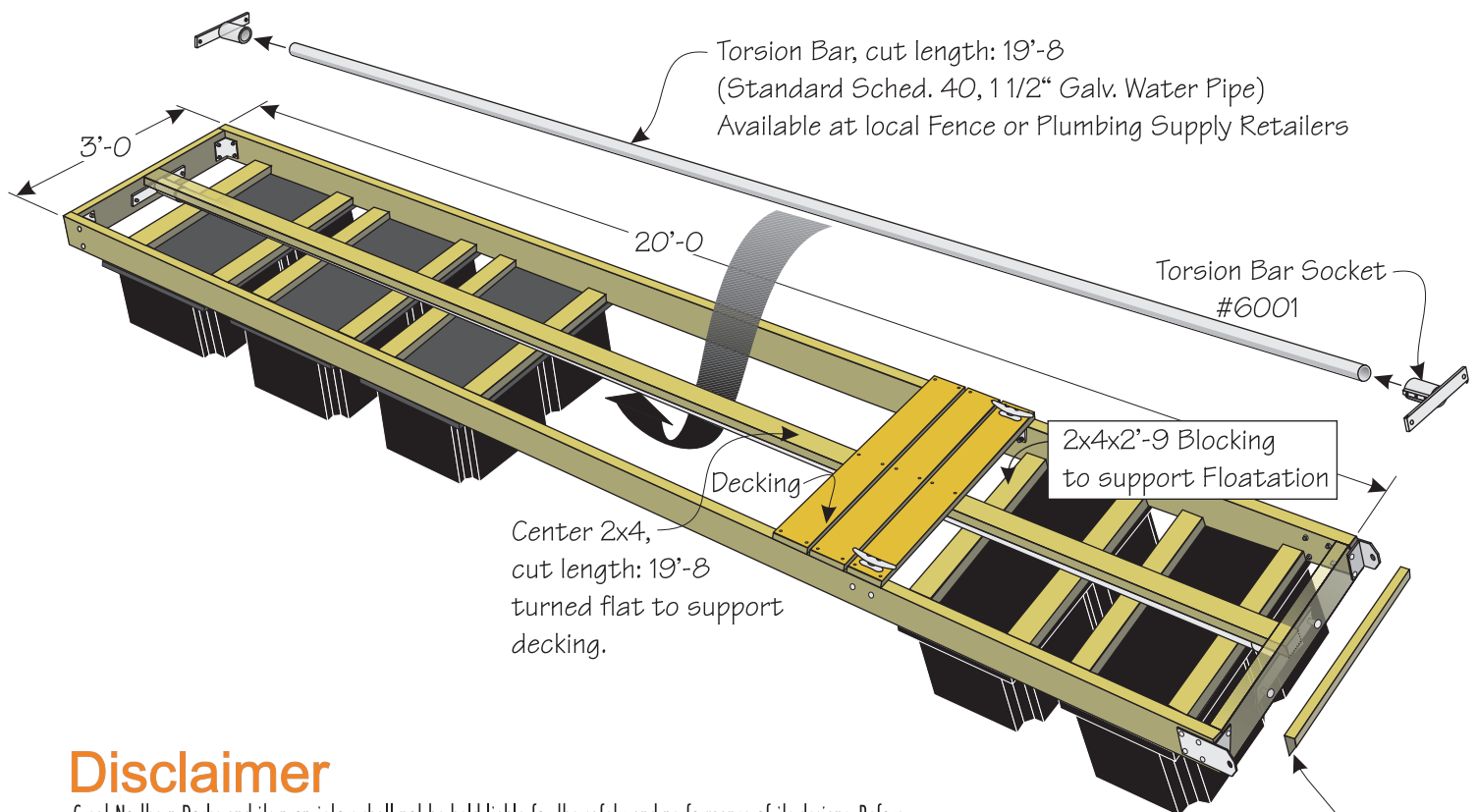
Decking to be cut 3" flush to frame to prevent snagging with boats and gear.

Router along the ends of the deck boards with a 3/8" radius to soften edges and reduce splinters.

Use typical 1/2" spacing between deck boards to avoid leaf and other debris trapping.

For reinforcing butt joints that could pull apart at the nails, use the Corner Iron (#6027A) with carriage bolts.

Reinforced Hinge Plates (#6010) on each corner will secure corner butt joints.



## Disclaimer

Great Northern Docks and its proprietors shall not be held liable for the safety and performance of its designs. Before using any design,

you are hereby advised to consult with an architect or public engineer licensed to perform services in the community where

your dock project will be installed, along with code enforcement in said community. The project owner who uses Great Northern Docks plans and instructions accepts sole responsibility for the safety and overall performance of the designs.

Attach Filler Strip flush to decking at end. See Filler Strip description on other float plans.