

FLOAT GENERAL SPECIFICATIONS

1. SCOPE

- a. Provide 16 ft x 24 ft and 6 ft x 20 ft floats (nominal sizes) as shown on these plans.
- b. Deliver the floats to the pier locations or deliver to a storage location as designated by the Town at the time of completion. Coordinate delivery with the Harbormaster.

If delivered by truck, unloading equipment and rigging is the responsibility of the Contractor, unless other arrangements are agreed upon. If float is to be immediately launched then unload the float in the intertidal zone on the Manset boat ramp, or as directed by the Harbormaster

- c. The Harbormaster will connect the new floats to the existing mooring systems

2. FLOAT DESIGN

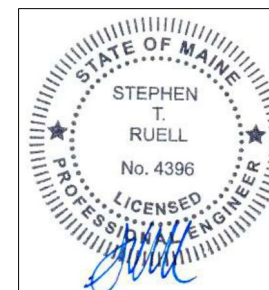
- a. This 16x24 float is equivalent to the existing floats being replaced, based on successful experience in this location. Bids should be based on the design shown. The Owner will make the bid award based on the bids received for the design shown on the plans, but may discuss alternates with the successful bidder, after the bids are received.
- b. The 16x24 float has an estimated dry weight of 9,400 lbs. This will vary with the water absorption of the wood members
- c. The flotation shown is estimated to provide for 20 psf uniform live load with 10" freeboard The total ultimate live load capacity is approximately 11,000 lbs total
- d. The float will be anchored using the Town's existing chain mooring system. Floats will be linked by the hinge system. All floats must be interchangeable, requiring that the hinges must be installed using a drilling template so that the hinge positions are identical.

3. WOOD

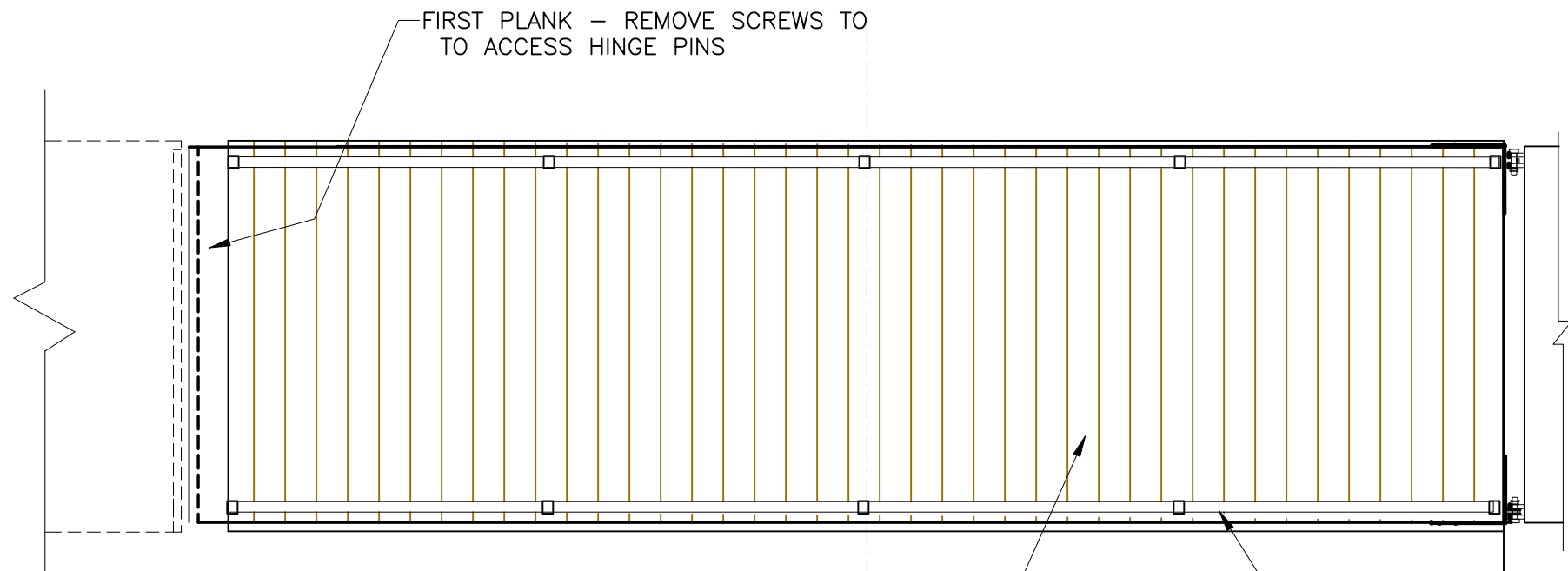
- a. All lumber shall be Southern Pine, pressure treated., The grade of all timber shall be no. 2 or better, except the grade of decking, and exposed skirt boards, shall be no. 1 or Select Grade. All lumber shall be surfaced four sides prior to treatment, except the skid components may be rough sawn.
- b. All wooden exterior edges and corners exposed above the waterline on the top and sides, shall be rounded with a 1/2" rounding bit or 1/2" chamfer bit.
- c. The Harbormaster or his designee shall inspect the completed float(s) before transportation to the site. Make arrangements to inform the Harbormaster of correct time and place to afford clear inspection. The Owner retains the right to require additional cleaning or replacement of any members with visible defects such as loose knots, splits, warping, wane, or other defects.
- d. Submerged skid timbers, skid support posts, and skid bracing, shall be treated with CCA to 2.50 pcf retention, meeting AWPA UC5A. See the Bill of Materials. Deck joists shall be treated for AWPA UC4C with CCA (1.0 pcf)
- e. All other components exposed to human contact such as skirt members and decking shall be pressure treated with a non-CCA treatment, such as copper azole or micronized copper, to a retention level meeting AWPA UC4C.
- f. During construction treat all cut surfaces and holes with AWPA approved copper based field solution.

approved copper based field solution.

- g. There is no coating or paint in this project.
 - h. Markings and grade stamps, foot prints, dirt, etc shall be removed from the exposed surfaces of the deck planks, skirts, and other exposed surfaces of the float prior to acceptance.
- 4. FASTENERS AND HARDWARE**
- a. All hardware and fasteners shall be hot dipped galvanized or stainless steel.
 - b. Steel bolts, nuts and washers shall be ASTM A307 hot dipped galvanized. All washers shall be not less than 1/4" thick
 - c. Deck and skirt boards shall be fastened with Type 316 Stainless Steel torx drive, flat head screws. These plans show major fasteners but do not show every fastener The contractor shall be responsible to fasten all components adequately, or to request clarification.
 - d. All steel parts and components shall be ASTM A36 or better. Welds E70XX. Hot dipped galvanized after fabrication.
 - e. Hardware shown is generally available from Hamilton Marine, Great Northern Docks, Custom Float Services, and/or American Muscle Docks.
 - f. Contractor may provide their own fabrications of equivalent design and materials. Fabricated steel parts are to be cut, welded, ground and cleaned of all sharp edges and weld spatter, then hot dipped galvanized after fabrication. Cold Galvanize paint is not acceptable unless approved by the Owner for special cases.

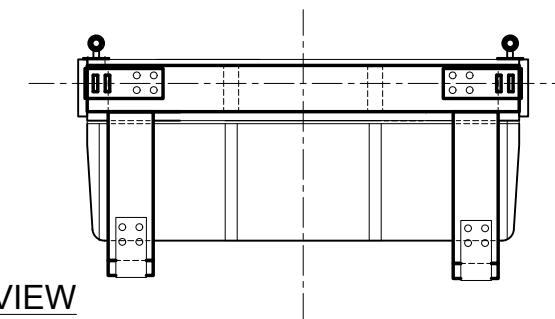


NO.	REVISION	DATE	DESIGNED BY	TOWN OF SOUTHWEST HARBOR 26 Village Green Way SW Harbor, Maine 04679
	0	MDOT AND TOWN REVIEW	3-20-26	
				16x24 AND 6X20 FLOAT GENERAL NOTES
WIN 29662.00			PINNACLE HILL ENGINEERING PinnacleHillEngineering@gmail.com	33 Pinnacle Road Canaan, ME 04924
				A6 REV. 0



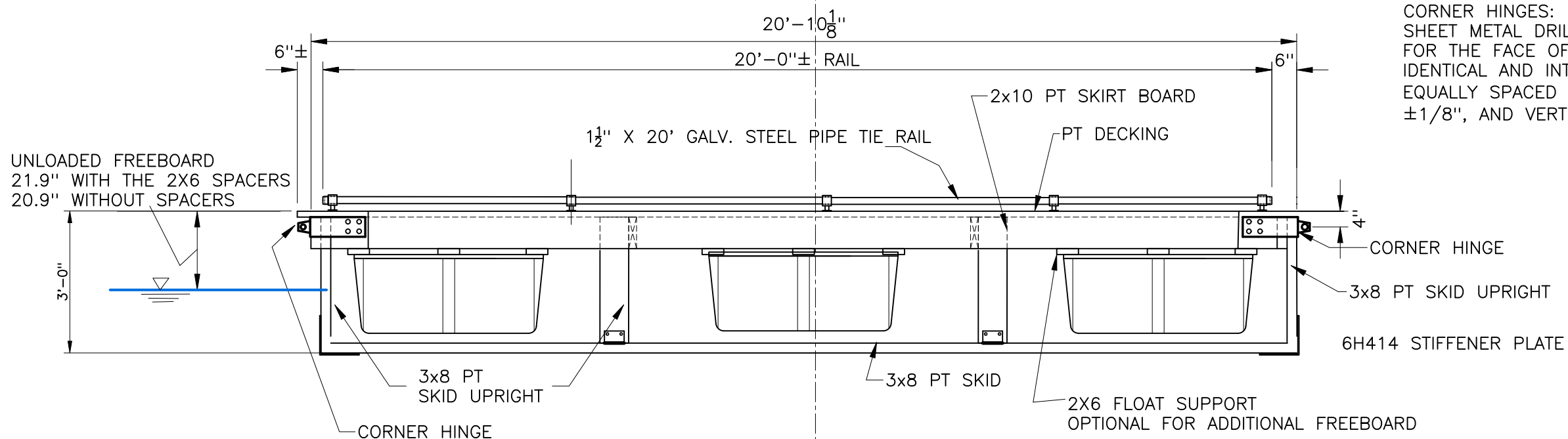
5/4 x 6 PT DECK PLANKING SPACED 1/4" APART FASTEN WITH STAINLESS STEEL DECK SCREWS, (Simpson DWP SS #12 x 3.5") 3 PER PLANK PER JOIST. USE ONLY FULL LENGTH PLANKS

DECK PLAN



END VIEW

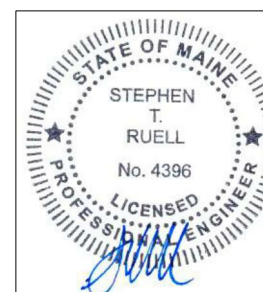
CORNER HINGES: PROVIDE A 12 GAGE OR THICKER SHEET METAL DRILLING TEMPLATE TO DRILL THE HOLES FOR THE FACE OF THE FLOAT, SO THAT ALL FLOATS ARE IDENTICAL AND INTERCHANGEABLE AND HINGE TANGS ARE EQUALLY SPACED HORIZONTALLY ± 1/8" AND LEVEL ± 1/8", AND VERTICALLY ± 1/16"



6x20 FLOAT GENERAL SPECIFICATIONS

SIDE VIEW

1. See sheet A6 for General Notes and Materials
2. The 6x20 float shown estimated dry weight of the finished float is 3,400 lbs. This will vary with the water absorption of the wood members.
3. The flotation shown is estimated to provide for 30 psf uniform live load. The total ultimate live load capacity is approximately 4,000 lbs total
4. The float will be anchored using the Town's existing chain mooring system. Floats will be linked by the hinge system. All floats must be interchangeable so the hinges must be installed using a drilling template so that the hinge positions are identical, regardless of assembly order of the floats.



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0	MDOT AND TOWN REVIEW	3-20-26	STR	
DATE REVISED 3-20-2026				6x20 FLOAT DECK PLAN AND SIDE VIEWS
WIN 29662.00		PINNACLE HILL ENGINEERING 33 Pinnacle Road Canaan, ME 04924 PinnacleHillEngineering@gmail.com		
				F1 REV. 0

