

WWS BOARD PACKET - JUNE 14, 2016

ITEM XII

## Floating Dock for Big Lake Proposal March 2016

I would like to propose that the POA Board consider having a multi phase floating dock at the big lake this year.

This floating dock would be anchored at the south side of the lake where the picnic tables are currently located. The dock would be phased in over time to a length that would provide access that can be enjoyed by all the homeowners who enjoy our lake.

Example of proposed floating dock:



### **FLOATING DOCK CONSTRUCTION:**

Currently the proposal would be to provide a floating dock in sections of 8'W X 16'L each that has a combined length of about 48+' with a freeboard (Depth from top to water) of about 16 inches above the water line to the deck. Construction will be made from pressure treated outdoor lumber. These would be constructed of three connected floating sections which will allow for additional lengths to be added as the budget forecast is projected forward in the future.

### **FLOATATION CONSTRUCTION:**

The .150" nominal thick shell is made of extra strong virgin polyethylene containing ultraviolet inhibitors. This tough shell helps prevent damage from the sun, salt water, fresh water, debris, oil, gas, and marine organisms.

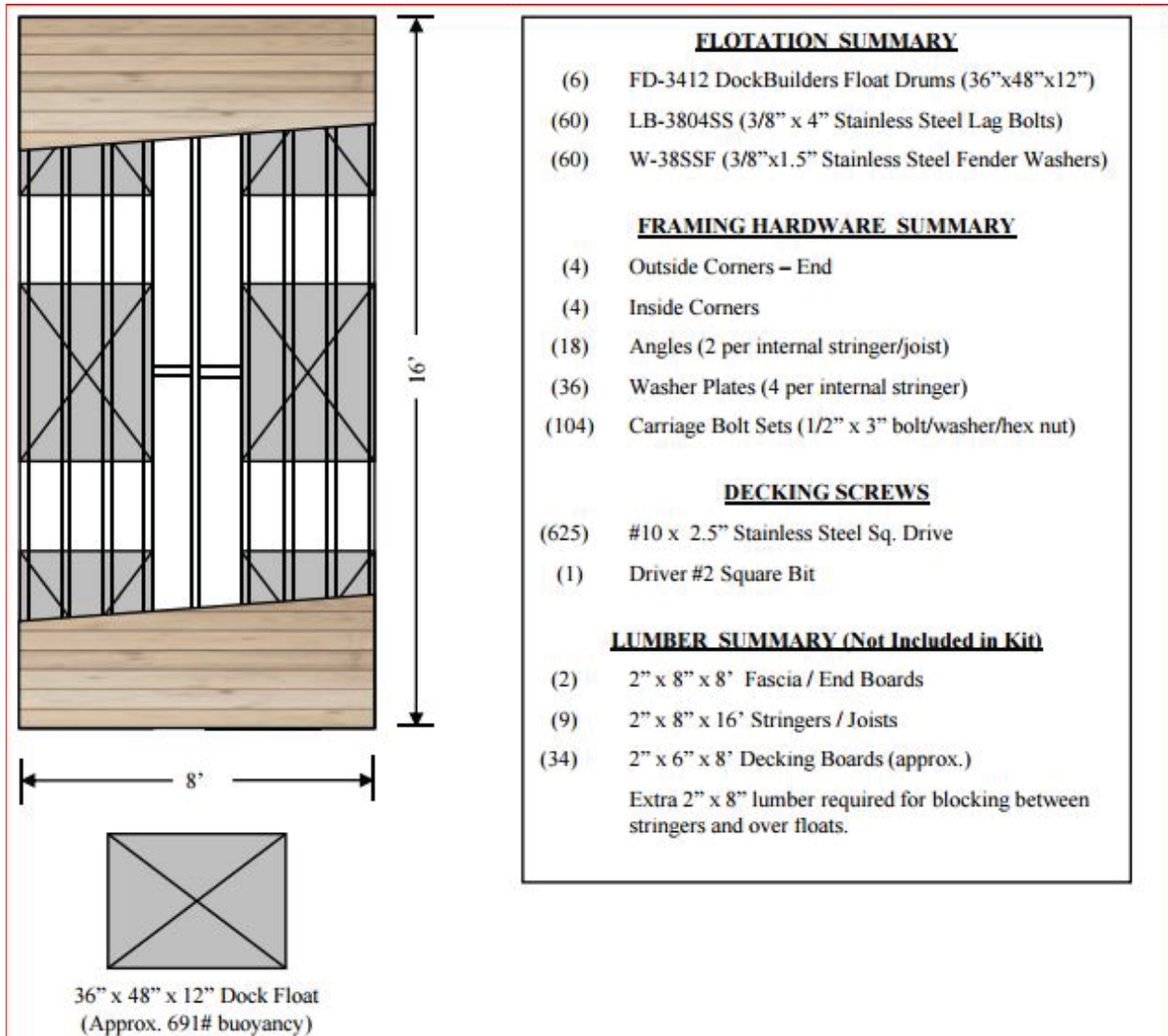


#### FEATURES:

- Commercial or Private Applications
- Rugged, Seamless, Rotationally Molded Encasement
- Expanded Polystyrene (EPS) Foam-Filled
- Fifteen (15) Year Warranty
- Molded Mounting Slots and Pilot Holes
- Maintenance Free
- Nominal Wall Thickness of .150"
- Resists Salt Water, Oil, Gas and Marine Life
- Installs Quickly to Wood, Steel or Aluminum Frames
- Meets Corps of Engineers Regulation #36CFR Part 27
- Passes the Hunt Absorption Test

Each floatation is foam-filled with expanded polystyrene, which contains no CFC's or HCFC's designed to support about 691 pounds each with a dimension of **36" W x 48" L x 12" H** with a combined support weight of 4,146 pounds of buoyancy per floating section with 6 floats per section.

Construction materials to be used on each section would be about 800 pounds of hardware and lumber netting a total supporting weight of roughly 3,346 pounds of additional weight that could be loaded on each floating dock section.



This type of construction is common in many lake front properties where there is calm water and can provide access to lake areas for swimming, fishing, boating and other water activities with a lower cost per float than costly aluminum floats.

**COSTS:**

18 Floatation devices	\$122.00 ea. Plus shipping	\$3,165.00
Hardware for Installation	Bolts, nuts, washers, screws, brackets.	\$815.00
Construction Materials	2"X 8"'s & 2" X 6", Decking etc.	\$1,485

Total Cost	Includes shipping	\$5,465.00

It is my proposal that a team of neighborhood volunteers work together in the construction process by donating time and effort to make these floats. Once they are made and tested the team would then move them to the big lake and install them. I expect that one float can be easily made in a 4-6 hour period given we have 4-6 people who are willing to assist in this project and within a week or two we can have a fully functional floating dock ready for use by the community.

After speaking with several board members, the local fire department and some residents it seems that this can be a benefit to our community for not only enjoyment as our community grows but it can also provide us with another “Dry Hydrant” for the Bertram fire department to access if needed.

We can purchase these items from respected vendors and our local stores to complete this project on time and within budget.

Please add this important item to the agenda and a vote from the POA Board on this item is requested at the next POA Meeting.

Respectfully,

Ken Dreger