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# Dock Building Components

## DIY Dock Kit Assembly Instructions



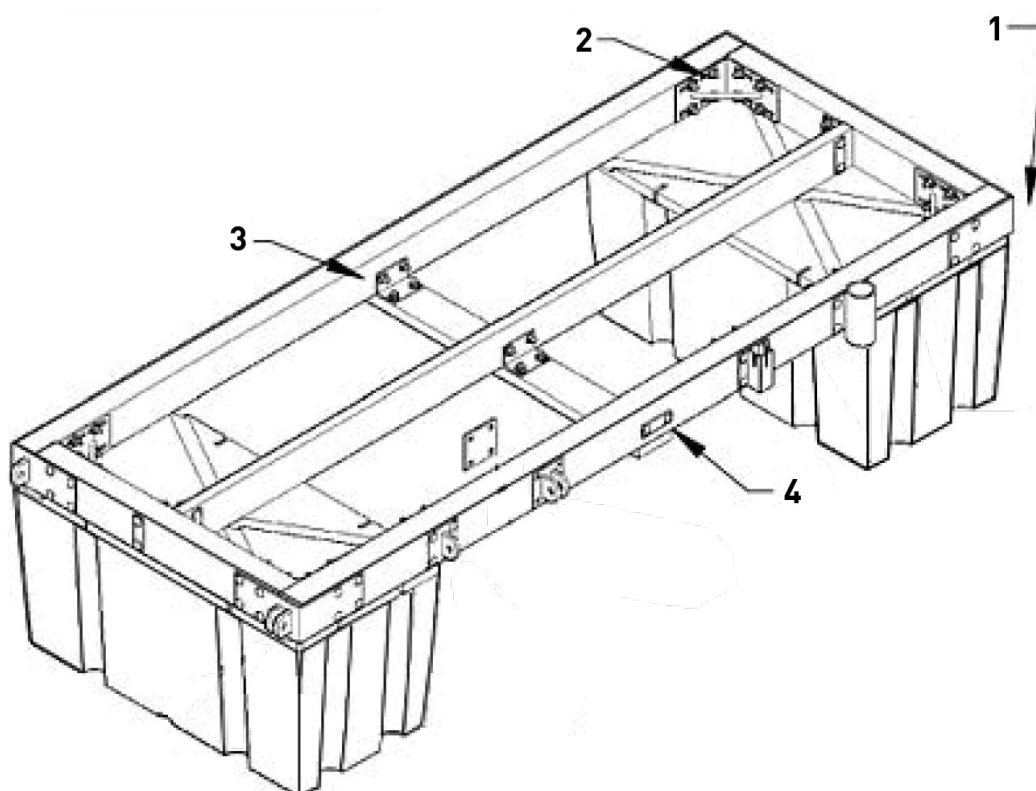


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# Wooden Frame Assembly

**\*\*Lumber not provided**



1 WH-OCE



2 WH-IC



3 WH-A



4 WH-W



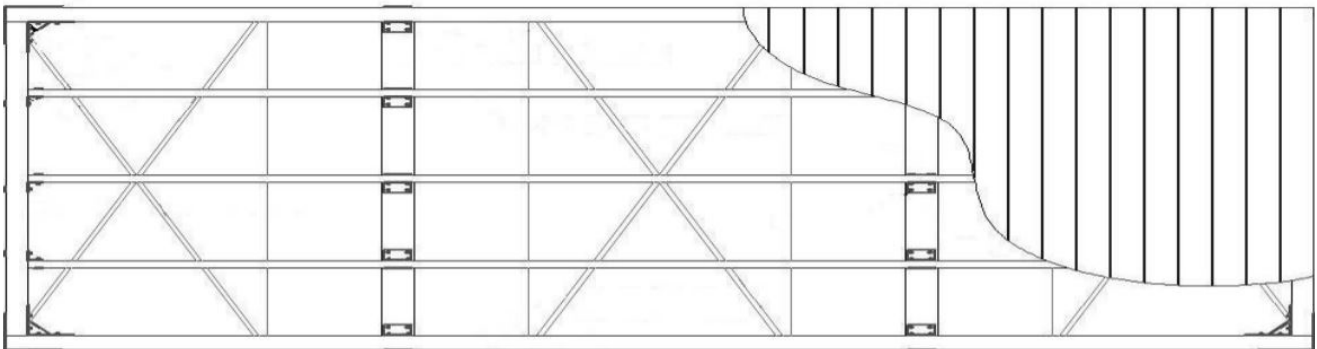


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# Dock Building Components

## Do-It-Yourself Dock Kit Assembly Instructions



### Step 1:

Evenly space floats on level ground. The floats in this picture are spaced 4' apart for an 8' x 20' dock (this will be the foundation that you will build on).



### Step 2:

Cut the lumber to the desired length. If the finished dock length is 20' your lumber cut will be the same. A typical 8' x 20' dock is shown in these instructions.





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### Step 3:

Optional - bevel outside corners of lumber so that outside corner ends (H-OCE) fit tight.



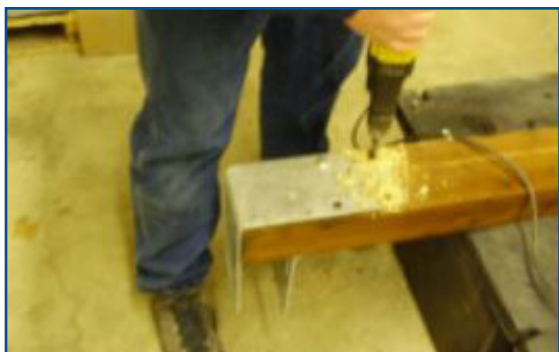
### Step 4:

Square outside corner end (H-OCE) on the lumber. Drill one hole and insert 5" carriage bolt (CBS-5).



### Step 5:

Position inside corner (H-IC) making sure that it is square and tighten the bolt enough to keep brackets from moving.



Drill and install remainder of carriage bolts, as shown.



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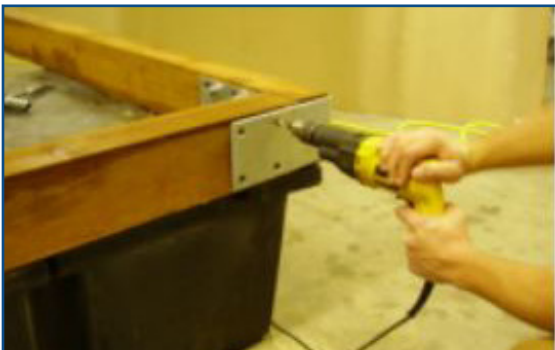


Repeat steps 3-5 on the remaining three ends.



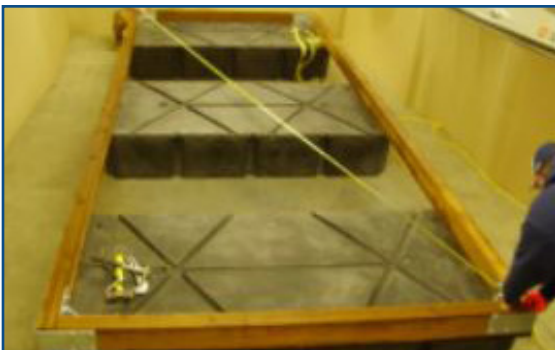
### Step 6:

Stand lumber in upright position. Cut end member to desired length. **Note: the end members will be cut shorter than the finished width because end board fits inside outer perimeter.** (This picture shows 4"x6" lumber which is 3.5" +/- actual dimension. This end piece is cut to 89" (example:  $89" + 3.5" + 3.5" = 96"$  final dimension)).



### Step 6 continued:

The use of a strap will pull sides together for a tight fit. Once the sides are together and square, drill and install carriage bolts. Do not fully tighten the bolts at this time.



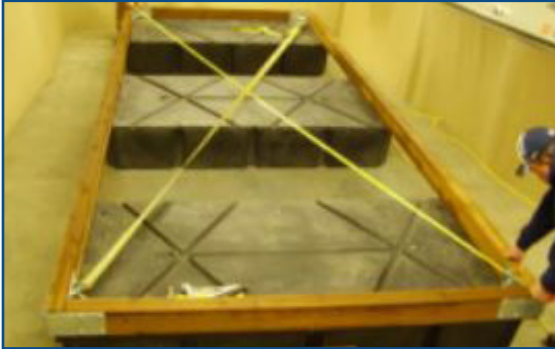
### Step 7:

Once the perimeter is together check to make sure that the frame is square.



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#### **Step 7 Continued:**

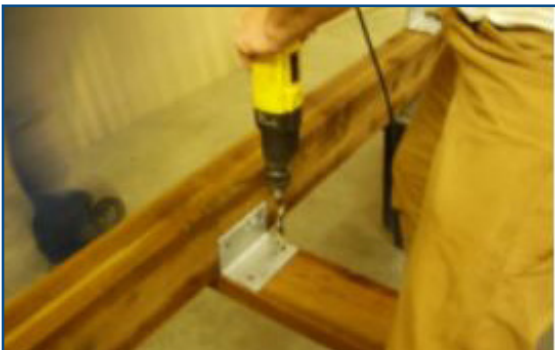
If frame is out of square a long strap can be used to pull it square. Once frame is square secure it by tightening the bolts.



#### **Step 8:**

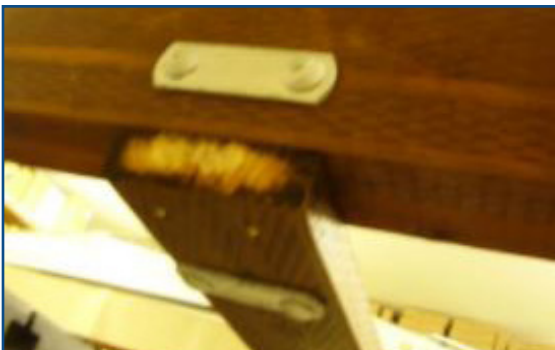
Cut and position cross members between the floats under the frame . For example, if your dock is 8' wide then your cross members will be 8' long.

The use of a deck screw at the end of the cross members will hold them in place so that drilling will be easier, as seen in step 9.



#### **Step 9:**

Center Angle bracket (H-A) on cross member. Drill and insert 3" and 5" carriage bolts. Use washer plates (H-W) on the opposite side of lumber and secure by tightening bolts. (See next picture)



#### **Step 9 Continued:**

Note that the carriage bolts are installed so that the flat head is out and on the bottom side. It is safer to have the bolts installed this way to prevent possible head injuries to a person should they swim under the dock (swimming under docks is unsafe and is not recommended).



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#### **Step 10:**

Cut stringers to inside dimension. Position stringers to correct spacing. On this dock the stringers are 24" on center. Use the same Angles (H-A) and Washer plates (H-W) as were used on the cross members to secure ends of stringers. Install as shown in picture.

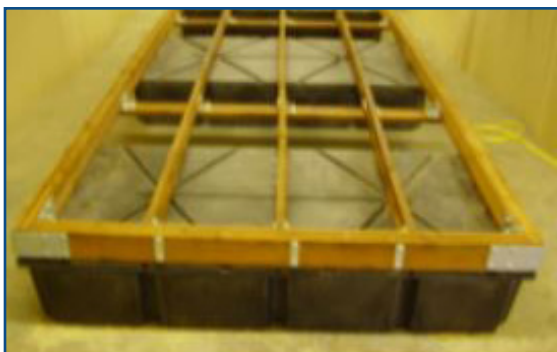


#### **Step 11:**

Using same angles and washers secure stringers to cross members (as shown).



Repeat steps 10 and 11 on remaining stringers.



#### **Step 12:**

Check float placement to make sure they are centered and in line with frame. Attach floats with 4" lag screw sets (LSS-4), as shown in following picture. If possible attach floats to all available stringers.

A lag set has two washers, one 3/8" and one 1/2". See images on next page.





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**Step 12 Continued:**



**Step 12 Continued:**



**Step 13 Continued:**

Install your choice of decking. Your dock is ready to float. Need accessories? We have several styles of cleats, rubrail, ladders, and many other accessories available to put the finishing touches on your system.

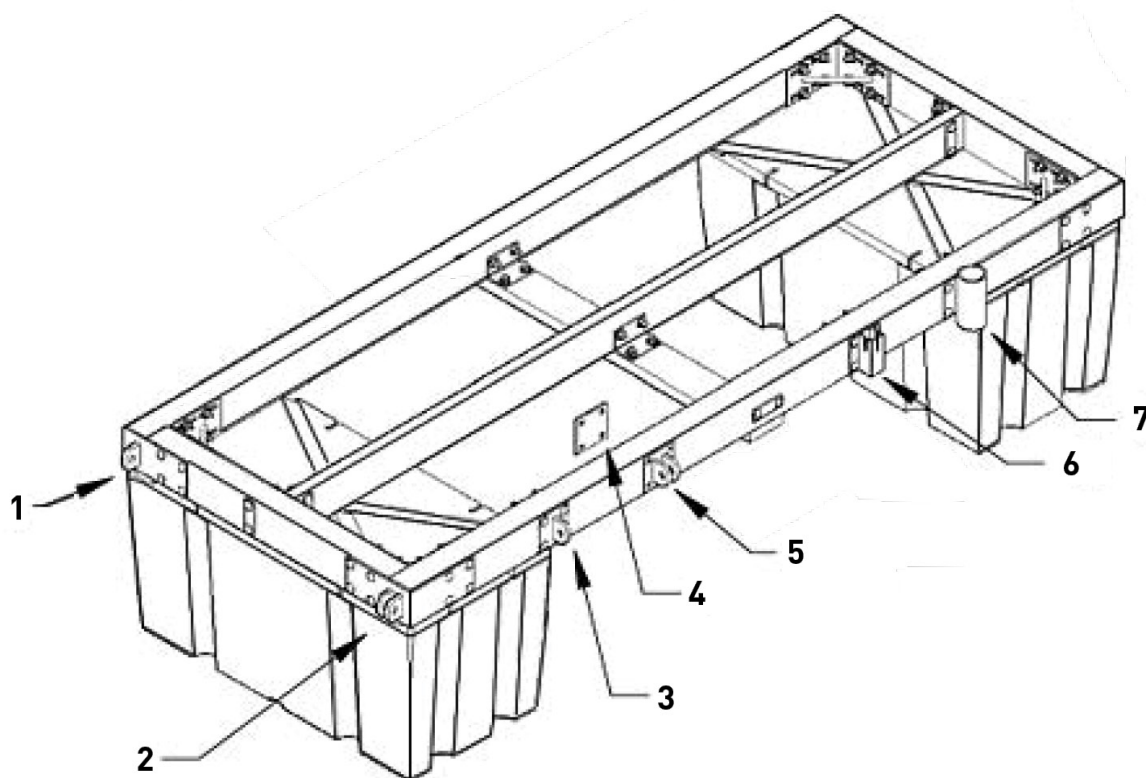




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## Extra Hardware Accessories



1	WH-SM	2	WH-OCF	3	WH-SM	4	WH-W	5	WH-SF
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6	WH-CRS	7	P-3	8	H-ICP	9	H-SP	10	H-CA
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