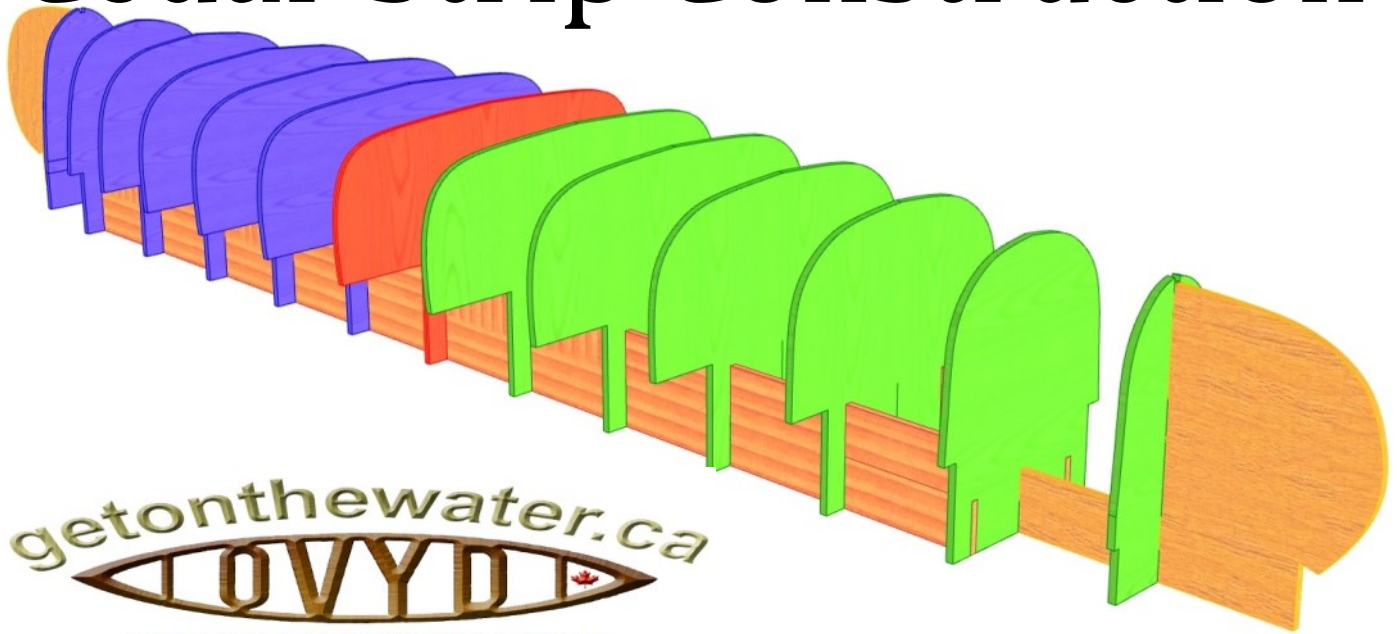


# An Introduction To Cedar Strip Construction



getonthewater.ca  
OVYD

OTTO VALLINGA YACHT DESIGN

# The Primary Ingredients



Plans



Epoxy



Strips



Boat Cloth

Pictured are the primary items needed to build a strip boat, there are a number of other items required, wood for the building forms, for canoes lumber for gunnels and decks, seats, thwarts for kayaks hatch and coaming materials, etc.

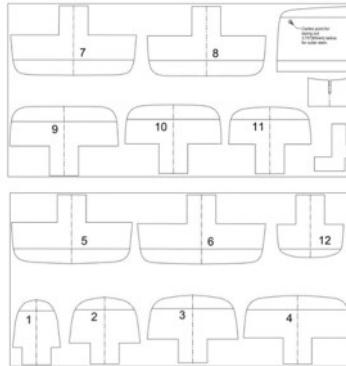
# Options

1. Start with just a set of plans, and source all materials yourself, many builders find this approach extremely satisfying.
2. Purchase a kit containing the parts needed to build your boat.
3. Purchase a set of NC cut forms
4. Secondary woods for contrast
5. Build patterned strips to be used in the hull build.
6. Purchase seats, yokes and deck made of materials other than the standard ash.

# To Build, No Longer To Just Dream



Build a strongback



Either purchase a set of molds  
or layout and cut your own.



Mount molds on the strongback.



Strip the hull—canoe

These first few steps are the same for  
canoes and kayaks, and do not  
change much even if you are building  
a larger boat. To this point the varia-  
tion will primarily be in the shape.



Strip the hull—kayak



Forming the stem—canoe



Forming the stem—kayak



Glass the hull

Once the exterior has been glassed the steps involved in building a canoe or kayak begin to diverge.



The hull is flipped over, and the molds are removed in the case of a canoe, then it is sanded and prepared for the interior to be sheathed with fiberglass cloth.





When the kayak hull is turned over the molds are trimmed to be used for building the deck.



Once the deck has been constructed it is removed from the hull to to have the underside sanded and glassed. While the underside is being glassed the hull interior is sheathed.



Once the hull has finished its job as a mold; with a kayak that is after the deck has been built, with the canoe it is once the molds have been removed. The glass cloth is laid in place and wet out sheathing the interior.



Canoes then have their sheers trimmed in preparation for installation of the remaining parts.



Once the interiors are sheathed the next step for a canoe is installation of floatation tanks.

For a kayak it is the installation of the bulkheads.



Canoes then have their decks and gunnels installed, kayaks decks are bonded to the hull.



Kayaks will now have their decks sheathed and the hatch and cockpit openings cut.



Canoes will now have their thwarts and seats installed.



Install your cockpit coaming, make and install hatch-  
es, install hip  
braces.



Once all the wood work is com-  
plete the boat is sanded for  
finishing,



Apply finish to  
the hull, deck,  
and all other  
parts as re-  
quired.



Once the finish has been  
applied any final  
outfitting is completed  
and it is time to paddle.





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**These slides are intended to give an overview of the steps involved in the construction of cedar strip canoes and kayaks, the process shown here demonstrates the process in broad terms only.**