

## Structure

In any conversion it is important to make sure that the structure is well-designed. How strict the requirements are depends on the size of the boat and what it is to be used for; we can perform structural calculations and produce structural drawing for your conversion, and we can also establish the requirements for your boat, to make sure you are meeting all the right regulations. You may need to have the structure approved by a certifying authority of classification society.

## Stability

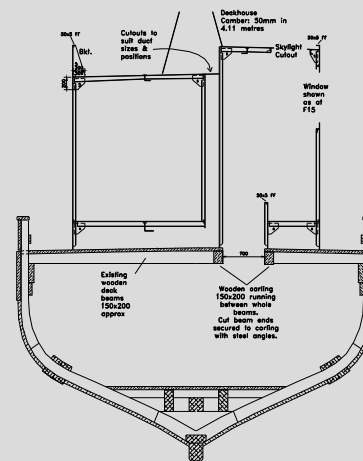
Any major change to your boat, such as moving the winches, changing the engines, or adding a new shelter or deckhouse, will affect stability.

If your boat is required to carry a stability book, you should inform the flag or certifying authority of any major changes. You may have to have a lightship check, to verify that the weight of the vessel has not changed significantly, and for larger alterations an inclining experiment may be required and a new stability book may be needed to show that the stability of the boat is still within safe limits or meets regulatory criteria.

We can perform stability calculations for you and submit them to the relevant authority (see the data sheet headed "Stability"). We can also advise you on the stability effects of your alterations, as weight put in the wrong place can sometimes affect the comfort of the boat, making it stiff or quick-rolling.

## New from Old

There are many different types of conversion, from converting to a new type of fishing, through adding a new shelter deck or wheelhouse, right up to converting a boat for a completely new purpose, such as carrying cargo or leisure cruising. The procedure for any conversion depends on the extent of the work and the final purpose of the vessel.



SECTION ON  
FRAME 14  
in way of fwd  
cabin stairs,  
looking fwd

## Do you need a designer?

If a new shelter, wheelhouse or deckhouse, or new below-deck layout is required, it is wise to consult a Naval Architect, who can help you to produce the best possible design, with good use of space, practical structure and minimum impact on stability. We provide layout and construction drawings, specifications and stability calculations for all conversions, and we can talk through your ideas and requirements to make sure that the final result is just what you intended.

## Contact us

If you are planning a conversion, and want to discuss your requirements or have us produce an initial drawing for you, contact us at the address/telephone number below or arrange a meeting at our office or trade show