

The World's Strongest Catana 401

August 28, 2009

Kaya, a Catana 401, arrived here in early June for major structural repairs.

Severe wave action from a vicious storm took its toll on the structure of the boat. Fractured and delaminated bulkheads and separated tabbing was found throughout the vessel.

World-renown naval architect Bruce Marek inspected the damage and recommended many structural repairs and changes to prevent further damage.

Our carpenters removed trim and paneling where necessary, and then worked in tandem with our glass department to reinforce the vessel.

We are strengthening the vessel by laminating another layer of Divinycell to each side of the majority of the bulkheads. The newly formed surface is then glassed over and tabbed to the hull - creating bulkheads that are essentially double the original thickness.

Because of the new thickness, our carpentry department is crafting new teak bulkhead caps – the trim around openings to the berths, passages, and doors.



When complete, *Kaya* may well be the strongest Catana 401 afloat.

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Newly reinforced aft cabin bulkheads ready for paneling.



Thickness difference between new and old bulkheads.



New bulkhead with trim temporarily fitted.



Custom-laminated corner trim in various stages of completeness.



New bulkhead with trim temporarily fitted.



New or strengthened bulkheads indicated by arrows.



New Formica in head



Sandbags required to prevent hull damage.