

Payne 7.4m daysailer
A 7.4m strip planked construction keel yacht.

This design had its origins as a daysailer for disabled sailors. The prototype was built for Sailability Australia in 1998, with the proposal to build three more in 1999. The requirements were varied, a big cockpit with seats and a side deck to sit on, a cabin with vee berth and room for a portable toilet, moderate sail area and good stability so that it could be raced by three or four more active sailors, or cruised with up to six people sitting in the cockpit. It has worked out well for this purpose but it also makes a good boat for anyone to use with its contemporary styling and pleasant sailing characteristics.

Construction is in 12mm WR cedar strip plank with plain weave and double bias reinforcements inside and out. The bulkheads and deck are 9 and 12mm plywood reinforced with plain weave cloth while the cabin top is also strip planked. The lead keel bolts to the hull in normal fashion, supported by reinforced laminated floors. An experienced amateur could build this craft as all the structure and techniques are standard practice.

The plans include lines, offsets for the mould stations (which are also the bulkhead stations), structural drawings, including details for keel, rudder, and shroud plates, a sailplan and arrangement drawings.

Dimensions.

LOA	7.40m
DWL	6.85m
Beam	2.45m
Draft	1.50m
Displ't to DWL	1800kgs
Ballast	800kgs
Sail Area(mainsail & 100% foretriangle)	28.1m ²

