

TECHNICAL SPECIFICATIONS

General	<p>Pacific Pontoon and Pier's proprietary system comprises generally of reinforced concrete deck, polystyrene positive floatation encased with high-density polyethylene.</p> <p>Pontoons are joined together by the use of proprietary elastomeric hinges (University of Queensland tested and certified). The system is fixed in position by the use of piles (generally concrete or steel).</p> <p>The high mass of broomed finish concrete deck with concrete beams underneath provides a safe and extremely stable platform. Hinged aluminium trussed gangways provide access from the shore to the marina.</p> <p>The system is designed to require only minimal maintenance. No timber walers, therefore no re-tensioning of through rods or ongoing whaler replacement.</p> <p>Service pedestals are fully supported and insulated within the system. Patented aluminium extrusion with exclusive design fully moulded fender. Solid concrete corner splays accommodating any angle or design requirement.</p>
Walkway/Finger Pontoon Sizes	<p>Walkway and finger sizes are determined by marina design. Because moulds are not used, module sizes can be designed in large 13 metre lengths and 4 metre widths where needed.</p> <p>Finger can be angled and faceted in a myriad of designs to achieve maximum vessel berthing.</p>
Deck	<p>The system comprises of 125mm reinforced concrete deck with additional reinforced concrete structural beams beneath (exceeding Australian Standards requirements).</p>
Buoyancy	<p>The pontoon core is expanded SL grade polystyrene providing 100% reserve buoyancy.</p>
Freeboard	<p>Buoyancy of standard pontoons is arranged for a 400mm freeboard. Specific nominated freeboards can be varied, and ramped freeboards are not a problem.</p>
Draft	<p>Draft and weight of pontoons can be increased to accommodate various wave climates.</p>

Services	<p>Services may be ducted along perimeter of pontoon or more commonly trenched within the deck of the pontoon system.</p> <p>Electrical wiring is armoured cable or double insulated PVC run in continuous heavy-duty conduit, except for the gangway tidal loop range, where flexible double insulated cable is used and supported under the gangway. Cables are run in one continuous length from the gangway to distribution switchboards/service pedestals.</p> <p>Ducts are provided across walkways for power cords between vessel and service pedestal.</p>
Service Modules	<p>Service pedestals are mounted on the concreted knee bracket area. PVC conduit runs through the pontoon deck to under the service pedestals providing a splash free zone. One service module for every two berths is usually provided.</p> <p>Telecom and television cable can be provided where needed. Single and three phase units are available and can be metred if required.</p>
Fire Fighting	<p>The fire fighting system comprises of the following equipment fully System installed in accordance with the requirements of AS 3962 and as required by the respective Local Authority Fire Regulations.</p> <ol style="list-style-type: none">1. Fire hose reels2. Fire extinguishers in cabinets <p>A common line of HDPE flexible pipe for fire and potable water is allowed unless specified to the contrary.</p>
Cleats	<p>Heavy-duty cast aluminium mooring cleats are fitted to each berth. Cleats are cast into deck during construction.</p>
Pontoon Connections	<p>If required, pontoons are connected using proprietary elastomeric hinges. These hinges incorporate steel plates encapsulated in high-density polyurethane.</p>
Pile Guides	<p>Structural alloy rolled with 6 no. ultra-high molecular weight polyurethane rollers.</p>
Gangway	<p>Marine grade aluminium trussed gangways, attached on the shore abutment. Transition plates are incorporated within gangway to ensure smooth Transition from the gangway to the pontoon at all times.</p>