

# FLOATS AND FRAMES LTD.

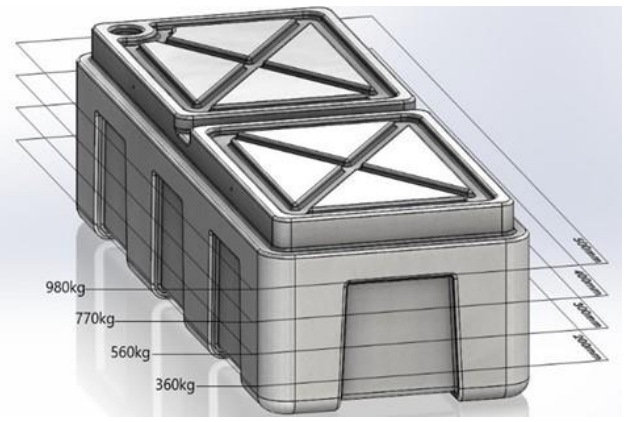
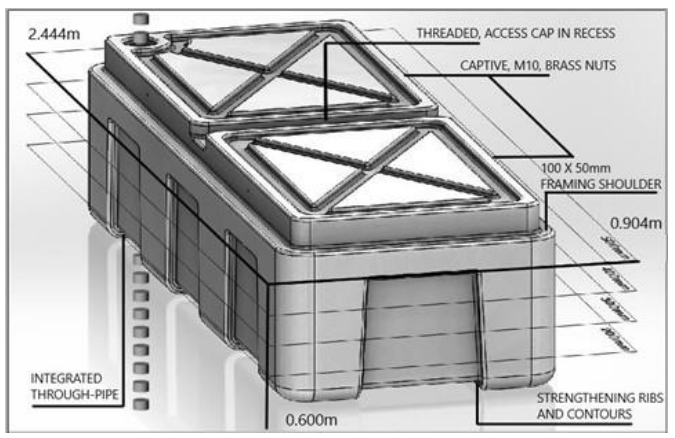


## MODULAR PONTOON SOLUTIONS

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[floatsandframes@gmail.com](mailto:floatsandframes@gmail.com)

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 01/04/2023

OUR FLOATS



The core components of a Floats and Frames pontoon are our unique and exclusive Cutlass Marine float cells. These units are rotationally moulded with a 6mm wall thickness of linear polyethylene and provide superior buoyancy, stability, and ability to withstand vertical compression than other market options. They come with four, integrated frame bolting bushings, a 100 x 50mm shoulder channel to accept a variety of framing media, and a moulded corner-pipe to pass drains or spud-legs through. With an expected service span of 80 years, they can handle tidal beaching, rough waters and significant impacts.

At a glance, each float weighs 60kg and will sit around 300mm deep in the water with a theoretical (balanced) load of 560kg. See left images for more specifics and load to draft figures.

DECKS, RAFTS AND MOORINGS



These system variants are designed to solve deck, dock, finger mooring and industrial, social, or commercial rafts use cases and vary from our houseboat options by spanning floats further apart to focus on budget rather than relative buoyancy density. Choose a floats and aluminium frame base module type by footprint and buoyancy, then add further units, and mix and match additional modular components to suit.

These arrays offer future-proof versatility, quality, adaptability and value; conceived, draughted and fabricated at industrial marine standards. Pontoon to use case optimisations are however often important, talk to us for advice on siting, loading, bank fixing, custom commissions and installation (service also available).

FLOATING HOME PONTOONS



By combining our float cells with modular framing solutions, any houseboat hull beam, length, and buoyancy can be achieved. We use aluminium as standard for our framing, enabling our pontoon floating home bases to offer an elegant, long lasting, and budget-friendly alternative to traditional monohull, deep-displacement craft. Just launch in modules and add your choice of cabin.

With no metallic part submerged, slipway fees, blacking and expensive hull maintenance are eliminated, and a hull made of multiple, air-sealed buoyancy tanks without a bilge makes for massive mitigation against accumulation from internal or external water/LPG leaks and puncture. Additional benefits include flat-deck disabled access, insulation against thermal bridging, post-launch adaptability, and the versatility of choice available.

CUSTOM & CONCEPT PONTOONS



We welcome custom commissions of all shapes and sizes of pontoon array, as well as full floating home enquiries. Our in-house marine design engineer will consult with you over your specific requirements and use case, before draughting a 3D CAD model and rendered visualisation video.

Examples of previously undertaken works include; modular wet docks, site assembled work raft systems, Airbnb pods, yoga studios, floating boat shelters, sauna bases, floodplain mobile building risers, dragonboat launching decks, solar panel rafts, marine life habitats, marina pump-out platforms, sinkable vessel lifting cradles, buoyant trailers, and a range of bespoke floating home cabins, including our specialism of inland waterway navigation capable craft.

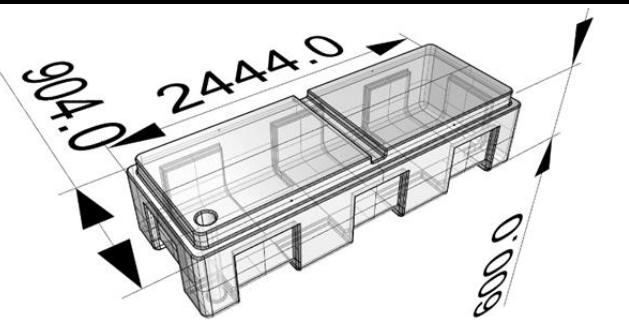
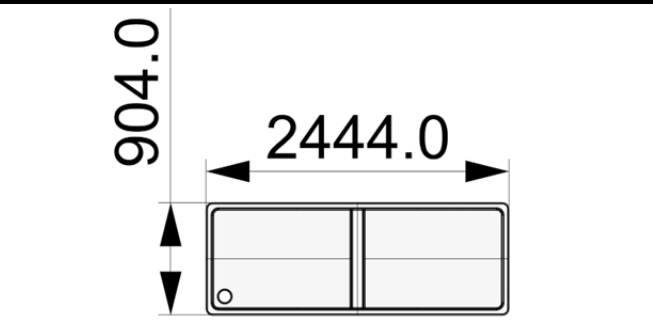
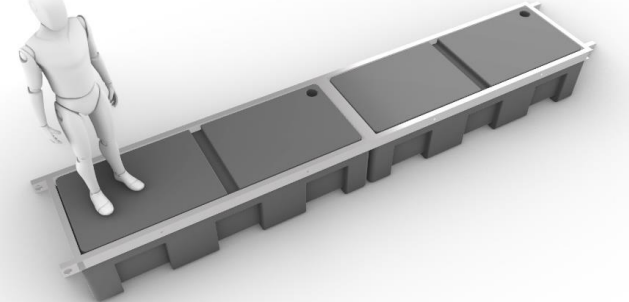
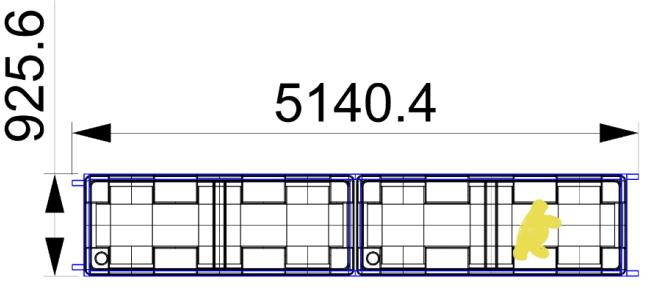
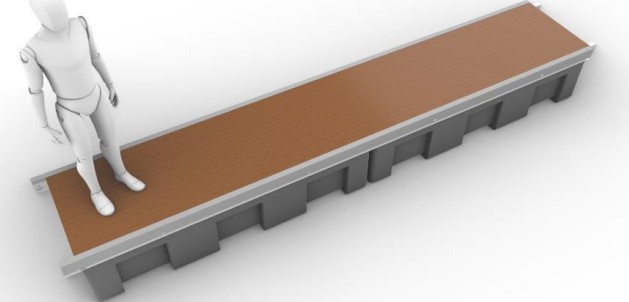
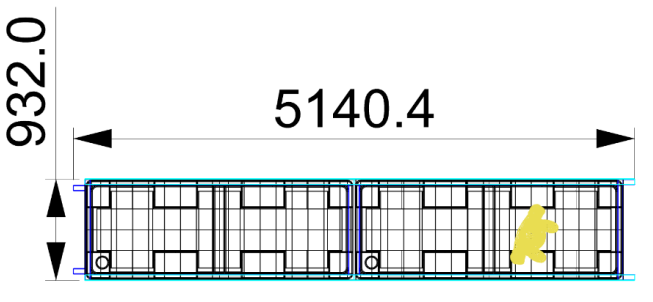
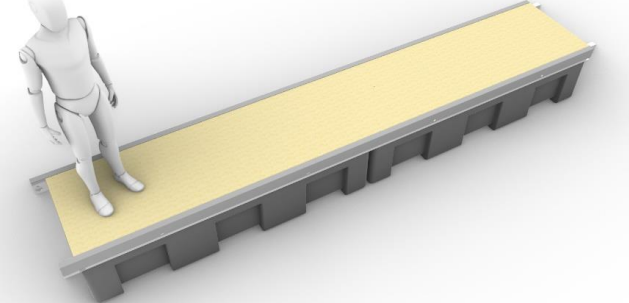
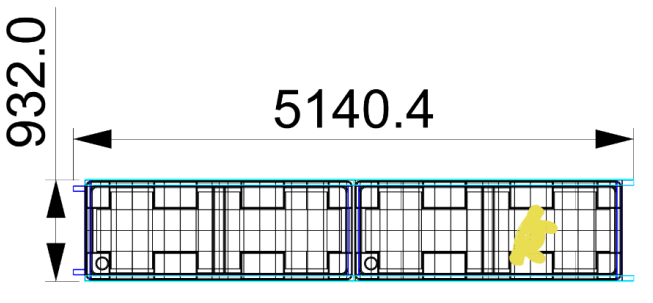
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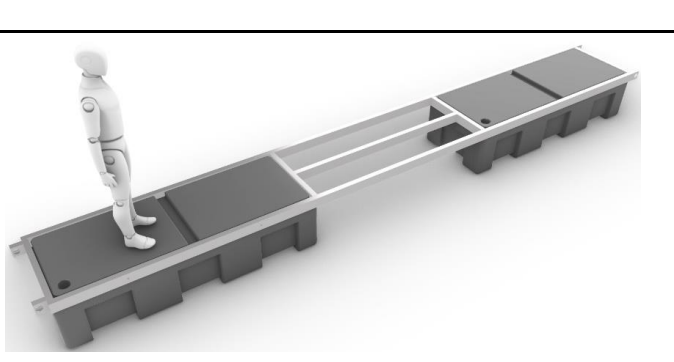
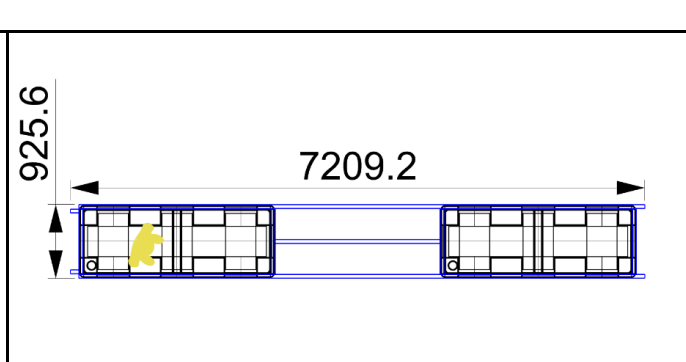
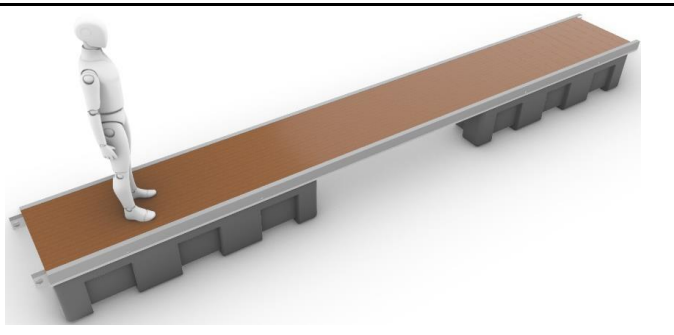
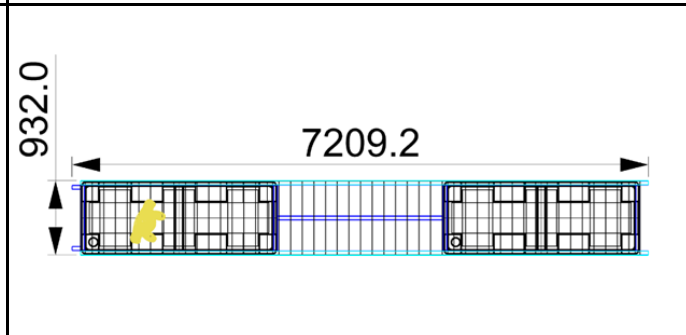
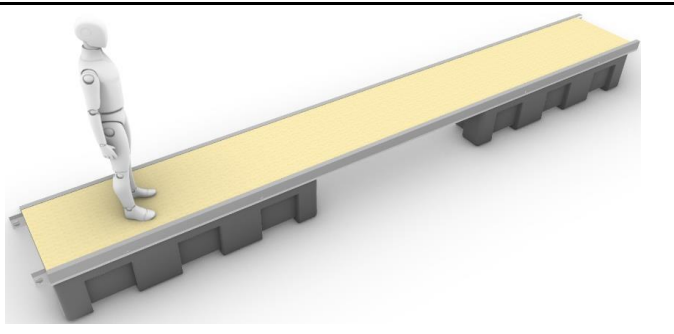
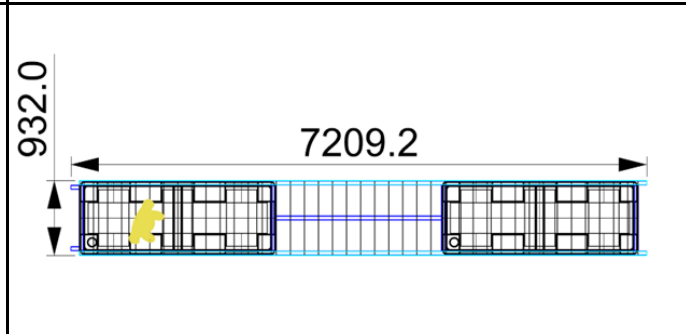
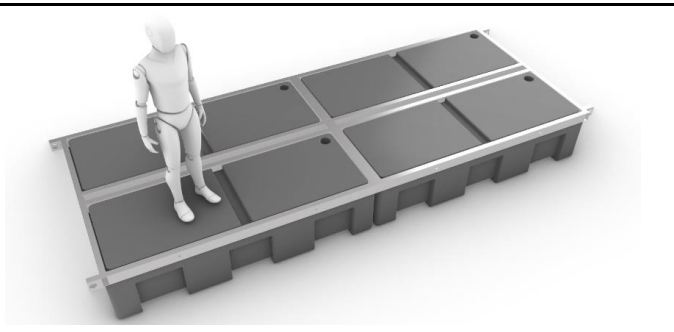
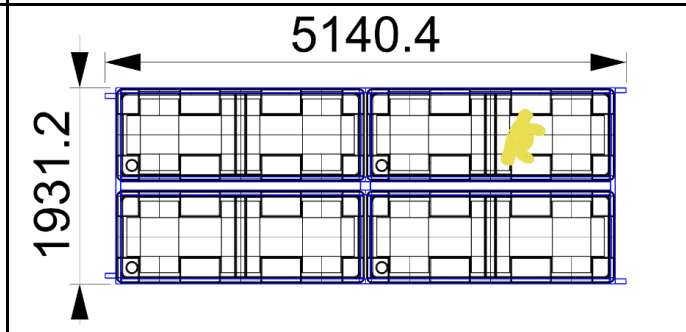
- See the catalogue entries below for our range of decks, docks, jetties, moorings and finger network solutions followed by multiple options for modular floating home hulls.
- The COUNT figure displays how many of the specific entry are present in the pontoon described in your quotation.
- The PRICE entries show live unit prices for a single item of the product type. While correct at the time of publishing, these are subject to change.
- No shown prices include VAT, customisation, shipping or installation. Talk to us for rates.

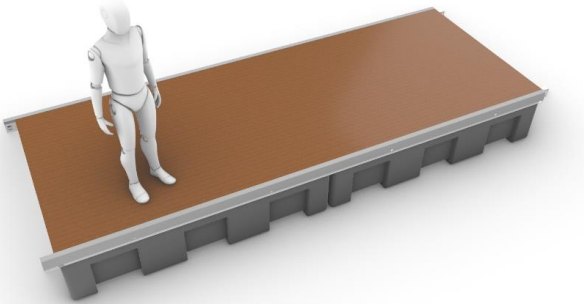
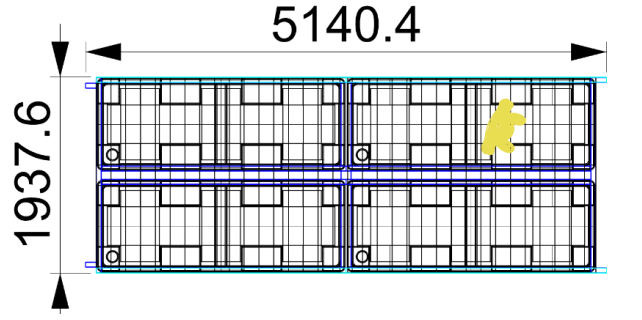
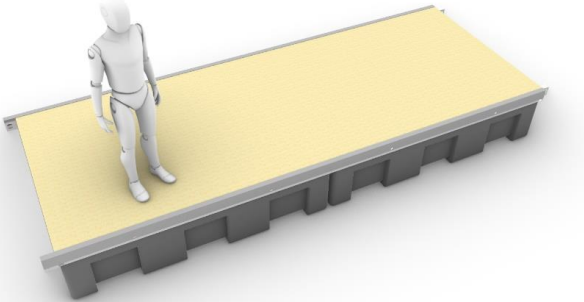
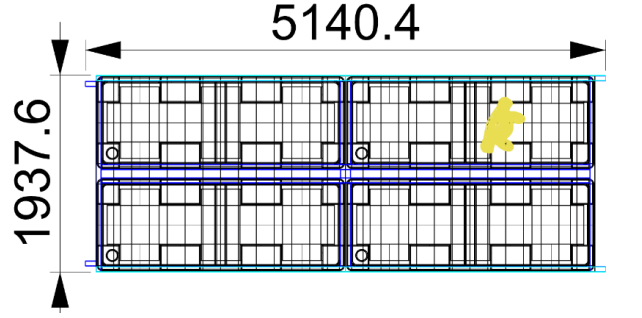
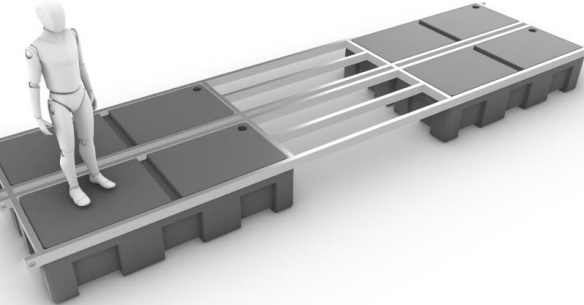
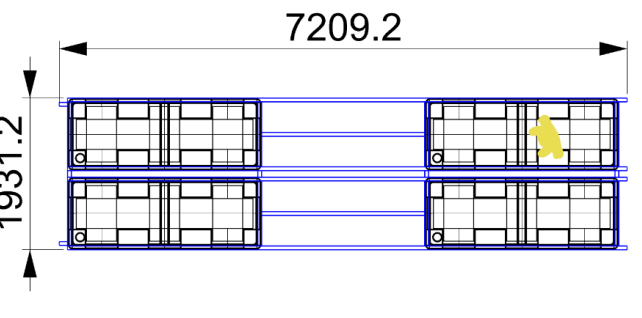
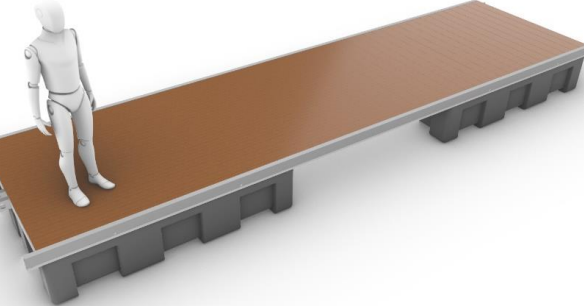
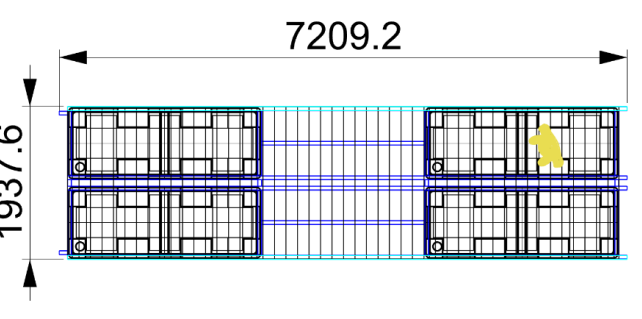


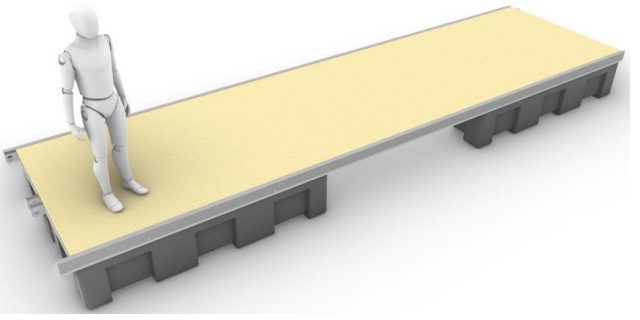
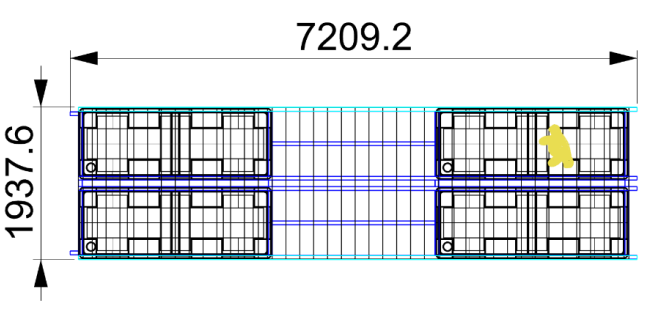
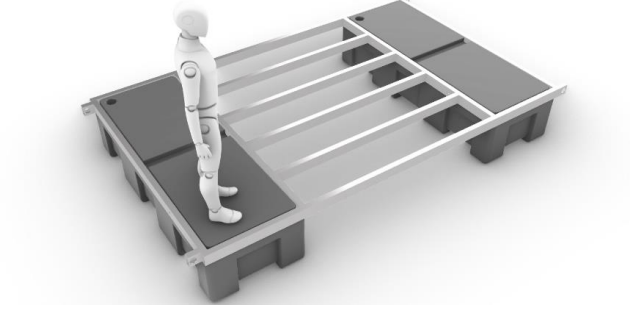
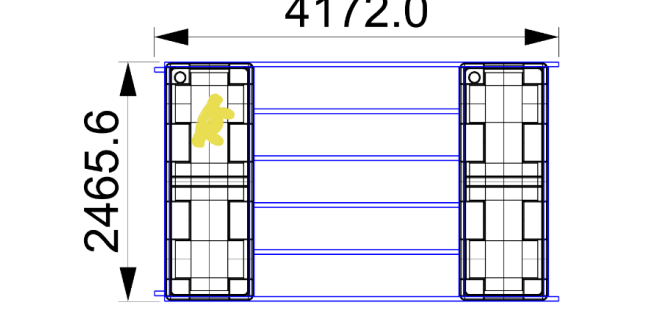
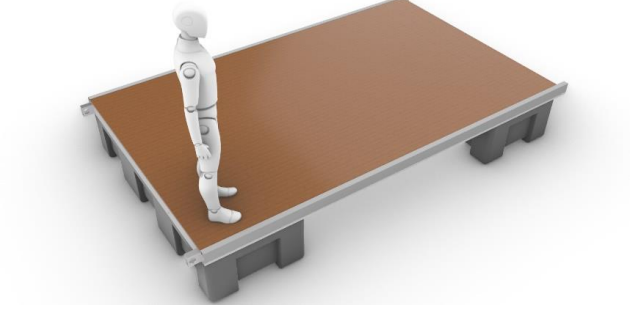
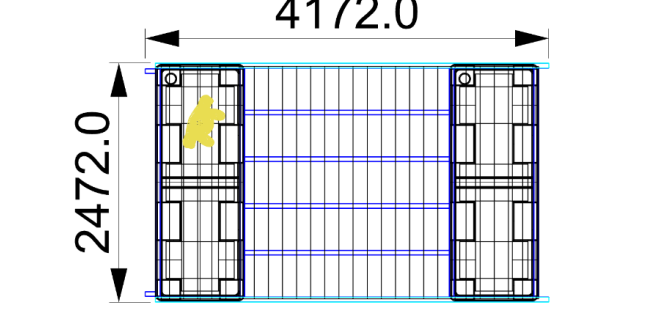
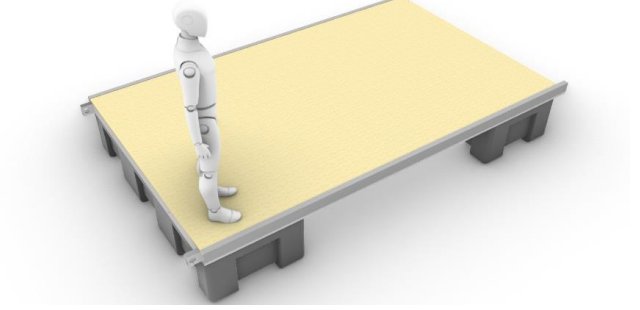
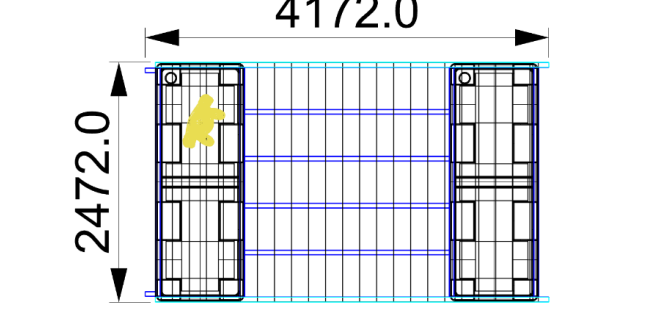
DECKS, DOCKS, JETTIES, RAFTS AND MOORINGS

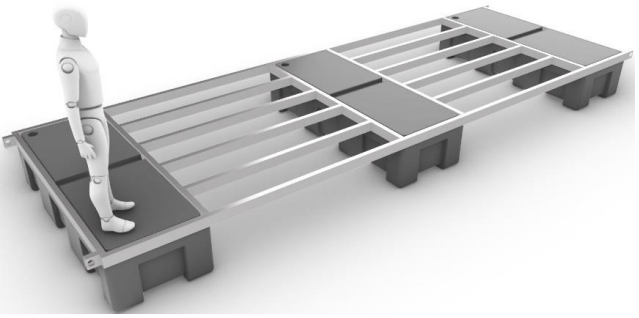
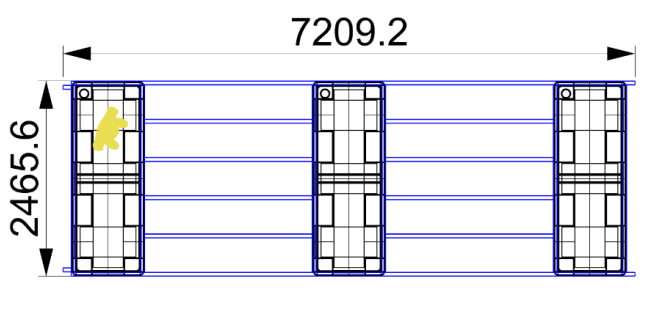
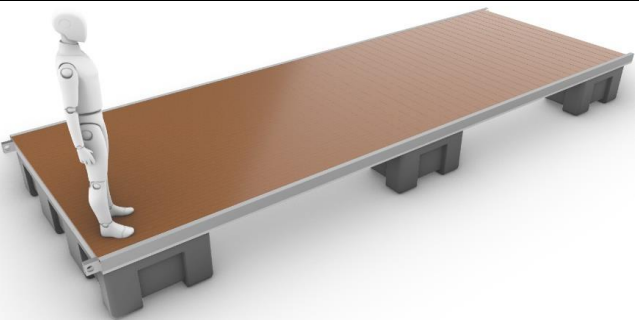
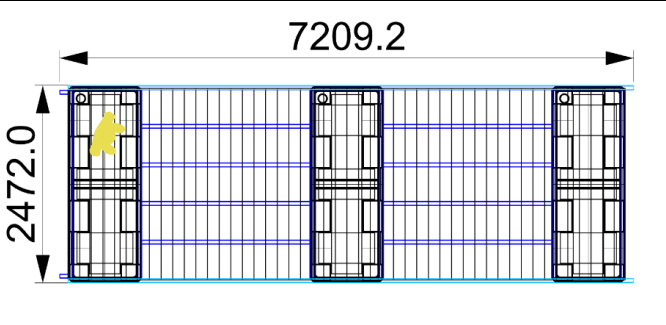
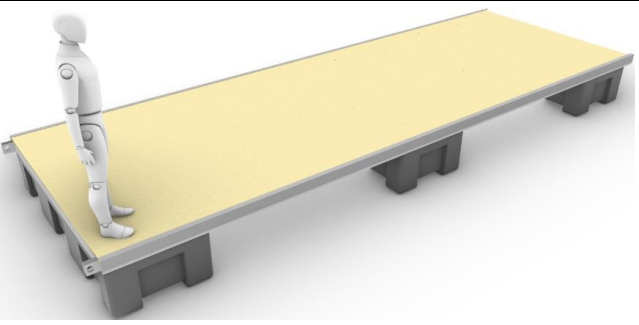
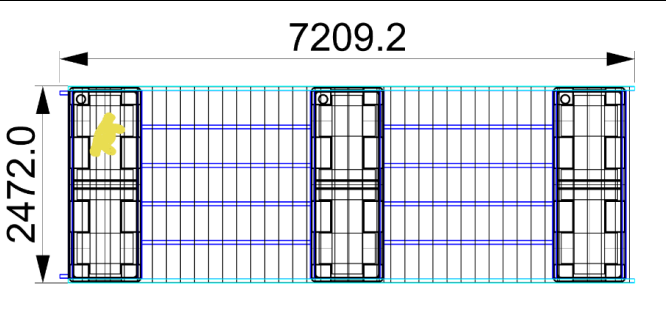
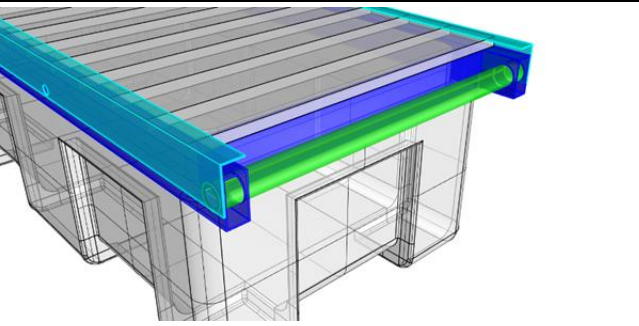
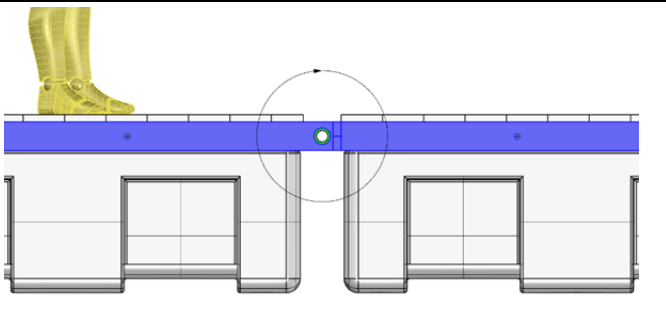
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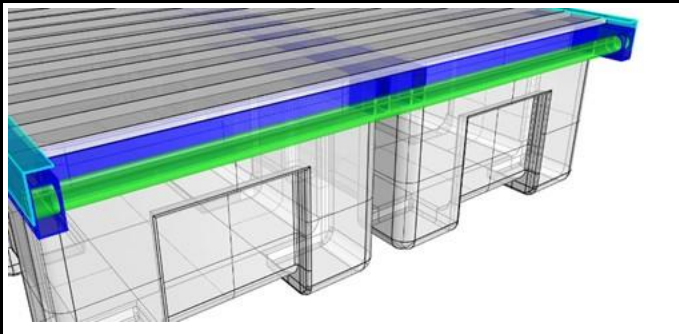
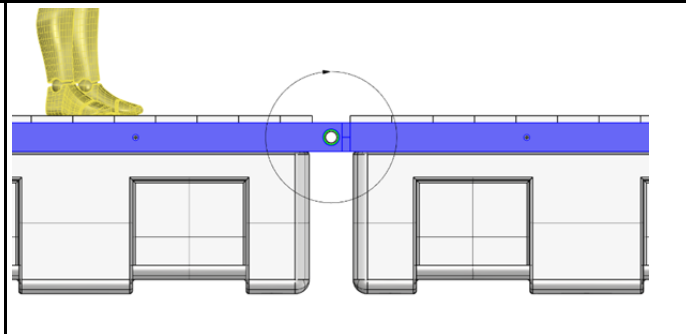
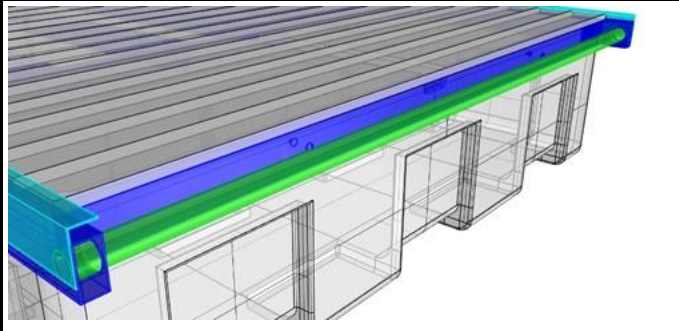
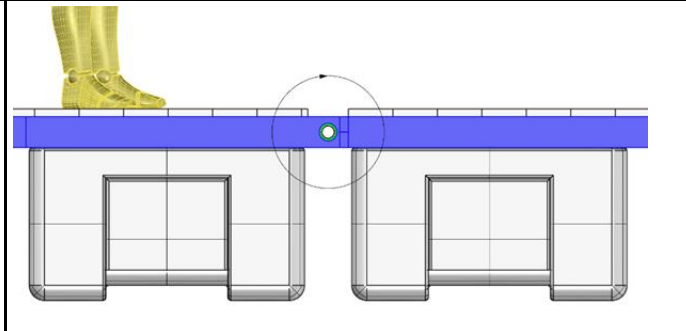
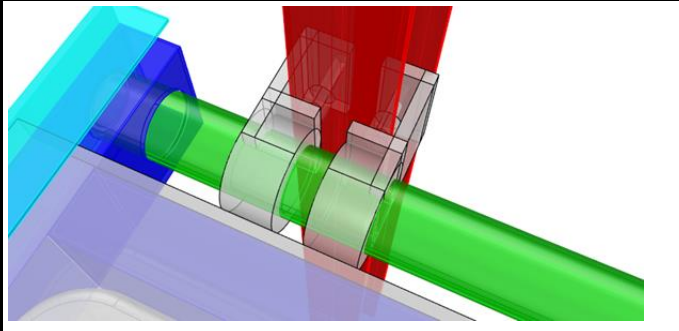
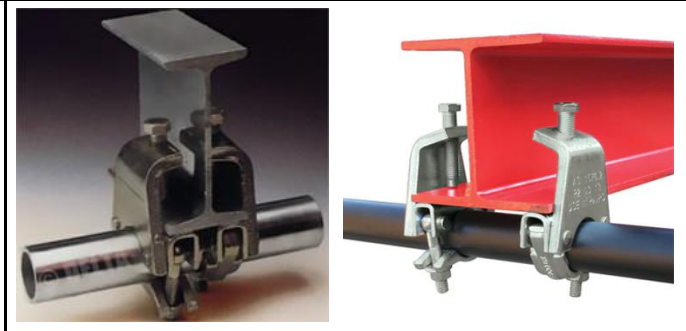
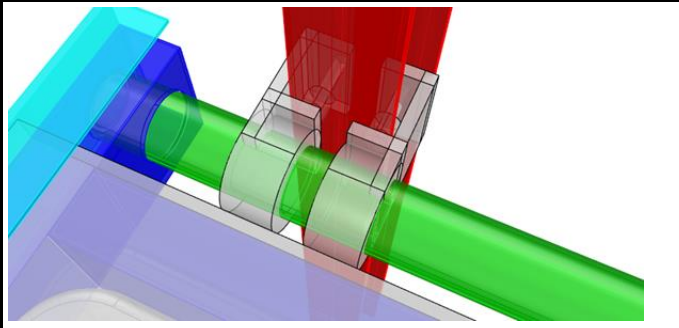

BARE FLOAT			<p>As well as full float and frame kit solutions, we also exclusively offer our bare Cutlass Marine Float Units for sale to ambitious home builders and commercial practices intending to resolve their own framing.</p> <p>See the introduction above, or talk to us for more details and access to a datasheet.</p>	£439.38	0
SHORT MONO			<p>A SHORT, bare, floats-and-frame only pontoon kit comprising of two float cells, a single aluminium frame and all required fixings. Use for finger mooring extensions, walkways and narrow moorings and jetties.</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£1,448.70	0
DECKED SHORT MONO 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£2,004.88	0
DECKED SHORT MONO 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£2,721.01	0

STND MONO			<p>A LONGER, bare, floats-and-frame only pontoon kit comprising of two Cutlass Marine float cells, a single aluminium frame and all required fixings. Use for finger mooring extensions, walkways and narrow decks, docks and jetties.</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£1,622.47	4
DECKED STND MONO 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£2,369.80	0
DECKED STND MONO 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p> <p>*Any MONO module requires bracing (by set piles or connection to a larger pontoon) to avoid 'log roll' issues.</p>	£3,394.24	0
SHORT CAT			<p>A SHORT, bare, floats-and-frame only pontoon kit, comprising of four Cutlass Marine float cells, a single aluminium frame and all required fixings.</p> <p>Use as a standalone catamaran raft, deck or mooring with good stability and an excellent buoyancy footprint, or as a modular component of a larger pontoon array.</p>	£2,784.77	0

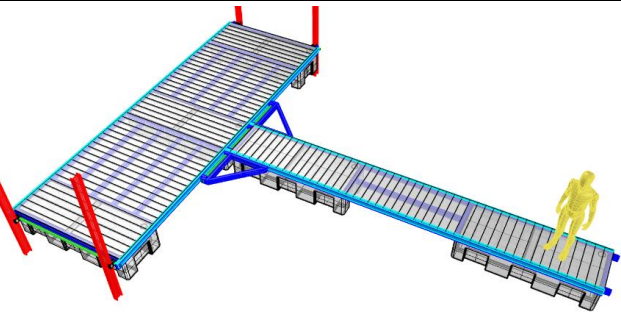
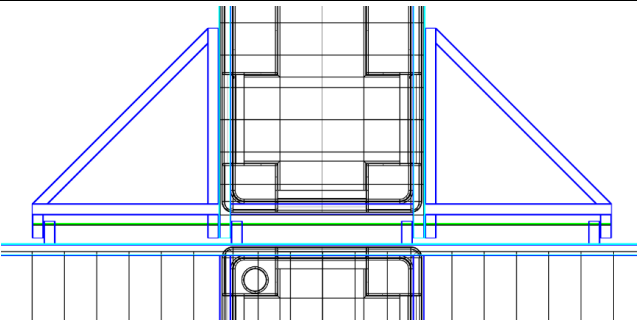
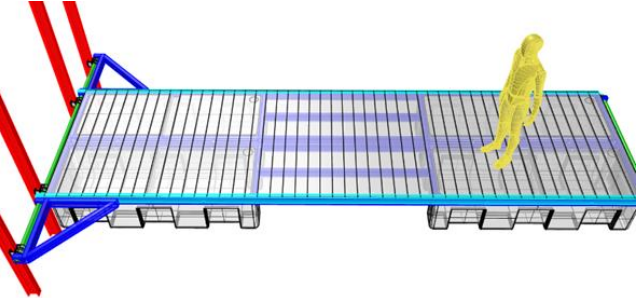
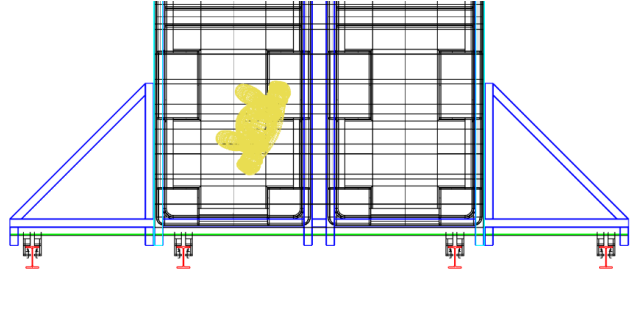
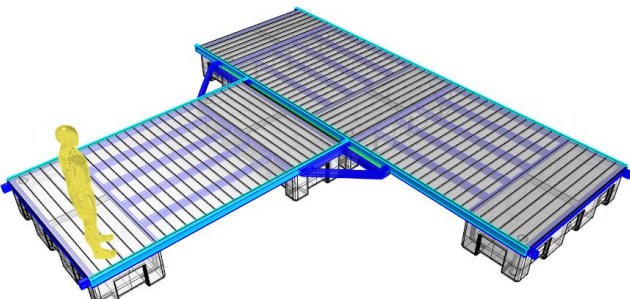
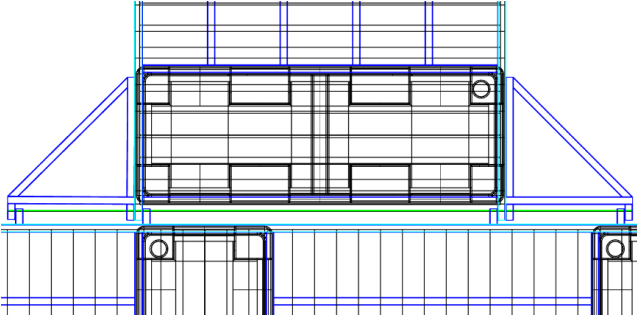
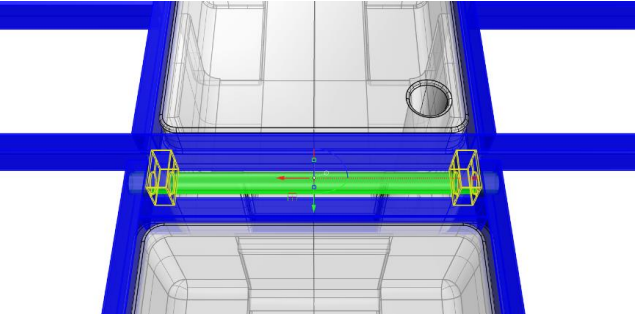
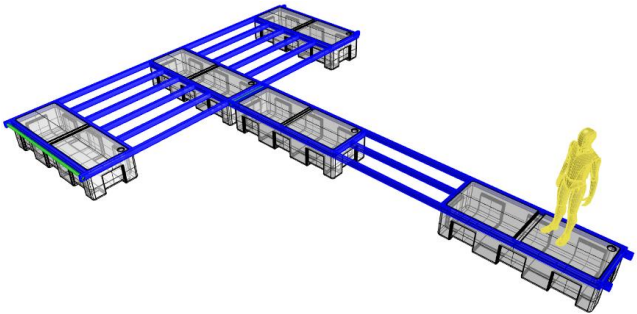
DECKED SHORT CAT 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p>	£3,611.42	0
DECKED SHORT CAT 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p>	£5,935.98	0
STND CAT			<p>A LONGER, bare, floats-and-frame only pontoon kit, comprising of four Cutlass Marine float cells, a single aluminium frame and all required fixings.</p> <p>Use as a standalone catamaran raft, deck or mooring with good stability and a good buoyancy footprint, or as a modular component of a larger pontoon array.</p>	£3,355.27	0
DECKED STND CAT 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p>	£4,508.32	0

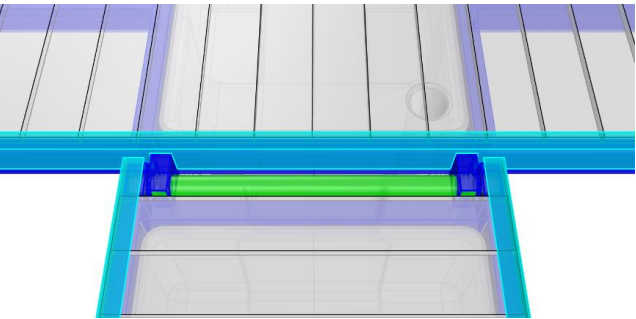
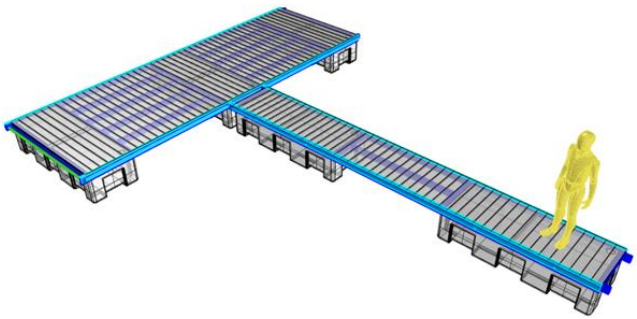








DECKED STND CAT 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p>	£7,841.00	0
SHORT HZ			<p>A SHORT, bare, floats-and-frame only pontoon kit, comprising of two Cutlass Marine float cells, a single aluminium frame and all required fixings.</p> <p>Use as a standalone catamaran raft, deck or mooring with fair stability and a fair buoyancy footprint, or as a modular component of a larger pontoon array.</p>	£1,888.74	0
DECKED SHORT HZ 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p>	£2,590.16	0
DECKED SHORT HZ 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p>	£4,461.30	0

STND HZ			<p>A LONGER, bare, floats-and-frame only pontoon kit, comprising of three Cutlass Marine float cells, a single aluminium frame and all required fixings.</p> <p>Use as a standalone trimaran raft, deck or mooring with good stability and a fair buoyancy footprint, or as a modular component of a larger pontoon array.</p>	£3,009.44	6
DECKED STND HZ 1			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T1 composite boards (see end of document for decking options and available colours).</p>	£4,204.83	0
DECKED STND HZ 2			<p>As the bare pontoon, but additionally trimmed with aluminium angle and fully decked with T2 Millboard composite boards (see end of document for decking options and available colours).</p>	£7,582.65	0
M ARTICULATING JOINT			<p>Add MONO ARTICULATING JOINTS as an attachment point for GIRDER SLIDERS, roping points, or to connect MONO pontoon modules together in and end-to-end, linear, hinged array.</p> <p>* The joint fulcrum tube supplied relies on angle trim components to hold in position. Use RETENTION PLATES if connecting bare, untrimmed modules.</p>	£17.33	8

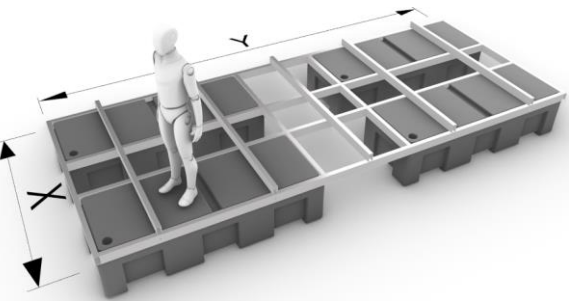
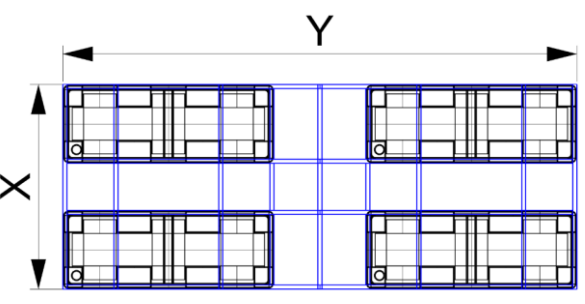
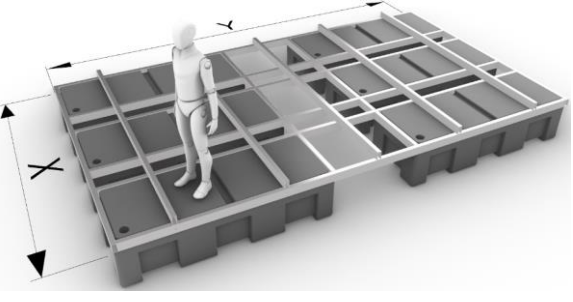
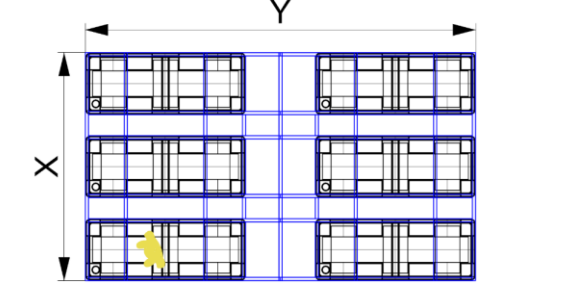
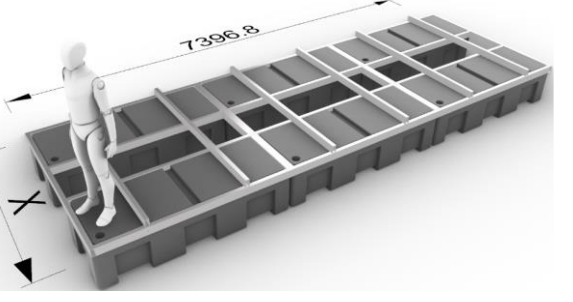
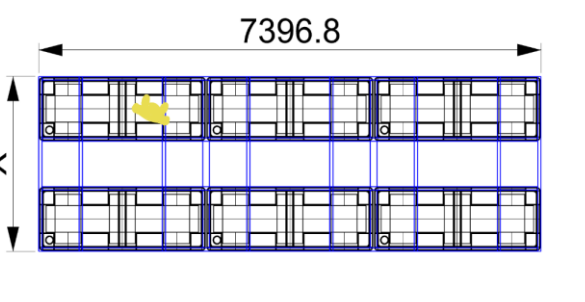
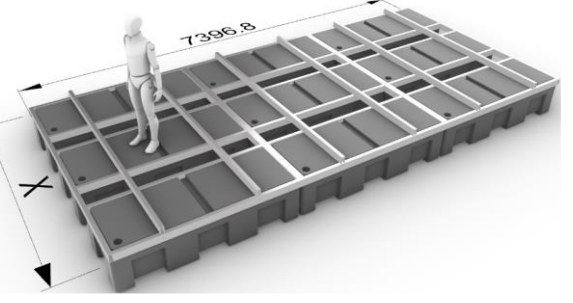
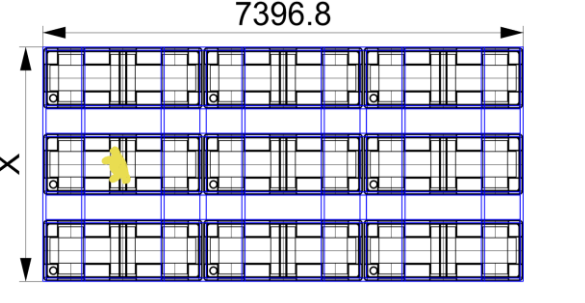
C ARTICULATING JOINT			<p>Add CAT ARTICULATING JOINTS as an attachment point for GIRDER SLIDERS, roping points, or to connect CAT pontoon modules together in an end-to-end, linear, hinged array.</p> <p>* The joint fulcrum tube supplied relies on angle trim components to hold in position. Use RETENTION PLATES if connecting bare, untrimmed modules.</p>	£34.66	0
HZ ARTICULATING JOINT			<p>Add HZ ARTICULATING JOINTS as an attachment point for GIRDER SLIDERS, roping points, or to connect HZ pontoon modules together in an end-to-end, linear, hinged array.</p> <p>* The joint fulcrum tube supplied relies on angle trim components to hold in position. Use RETENTION PLATES if connecting bare, untrimmed modules.</p>	£43.32	8
GIRDER PILE SLIDER			<p>Use GIRDER PILE SLIDERS to brace your pontoon and allow for rise and fall, where I-beam girders are set as piles or fastened to a shore wall.</p> <p>SLIDER CLAMPS can be fastened individually or in pairs at any point along an ARTICULATING JOINT tube, come with buffers to reduce bump noise and wear, and can accept any size I-beam.</p>	£9.10	28
SWIVEL PILE SLIDER			<p>As above, except with a swivel joint in the fitting to allow for tilt against a set I-beam pile.</p> <p>Use SWIVEL PILE SLIDERS on beaching jetties liable to tilting on a receding foreshore.</p>	£11.70	0


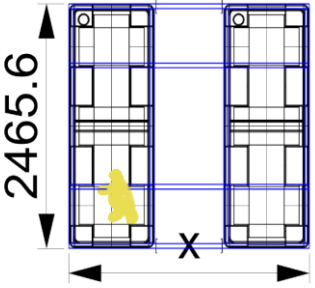
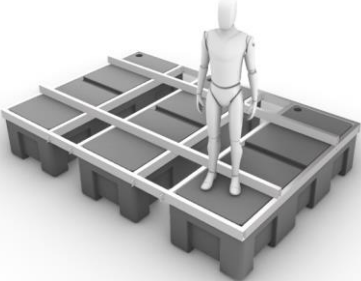
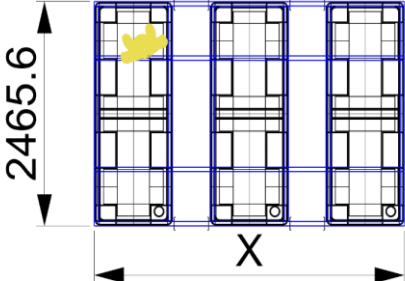
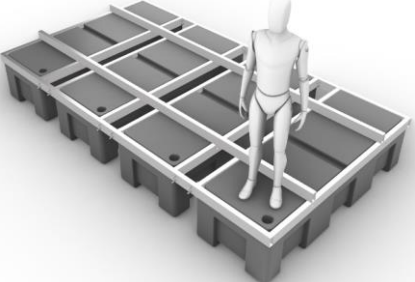
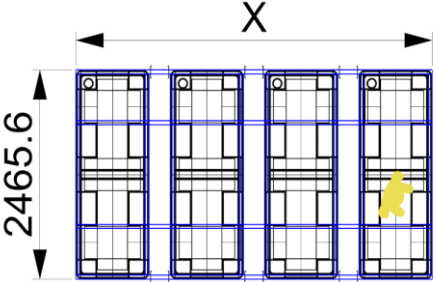
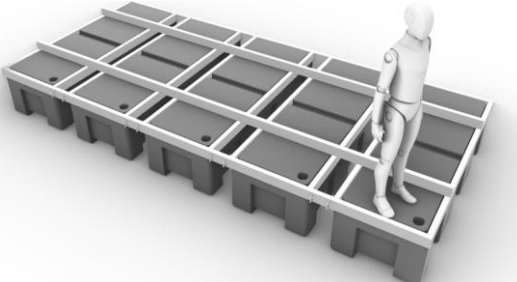
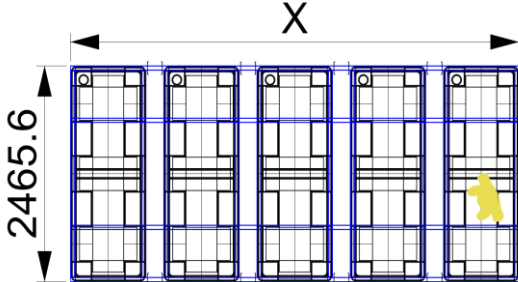


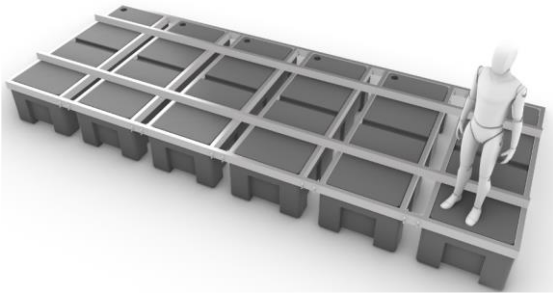
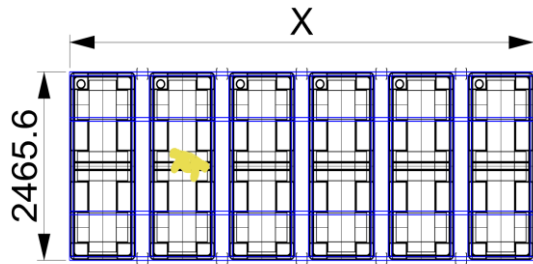
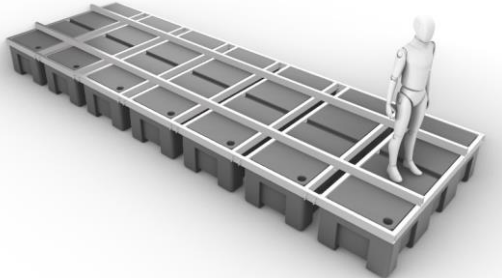
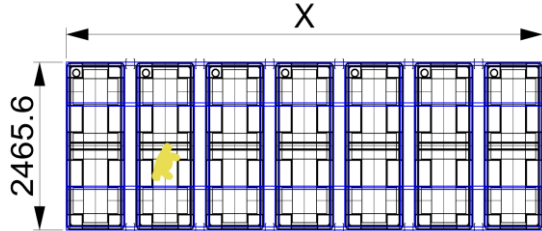
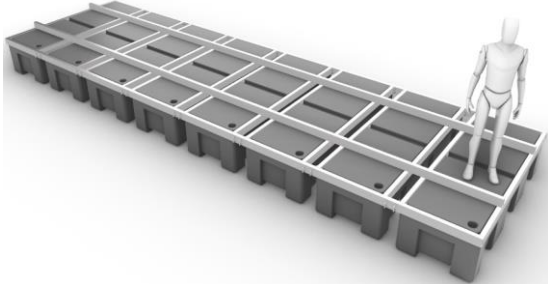
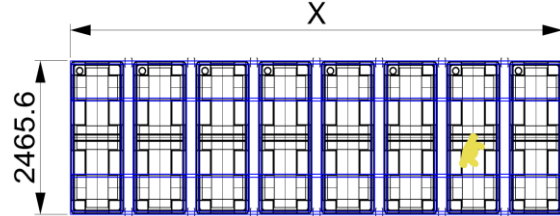
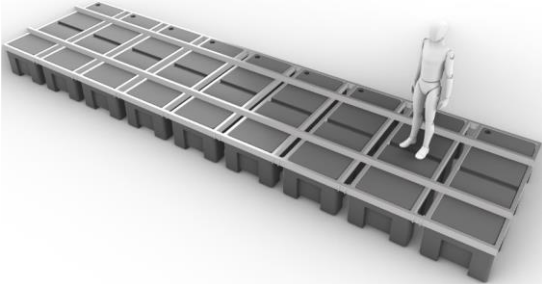
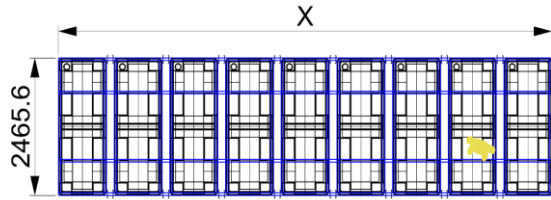
M CORNER BRACE			<p>Add M CORNER BRACE frames to a transition between a MONO module and another pontoon, to enhance an articulated joint through triangulation.</p> <p>Alternatively add as wings to a piled end of a pontoon to extend shore bracing.</p>	£431.74	8
C CORNER BRACE			<p>Add C CORNER BRACE frames to a transition between a CAT module and another pontoon, to enhance an articulated joint through triangulation.</p> <p>Alternatively add as wings to a piled end of a pontoon to extend shore bracing.</p>	£449.15	0
HZ CORNER BRACE			<p>Add HZ CORNER BRACE frames to a transition between an HZ module and another pontoon, to enhance an articulated joint through triangulation.</p> <p>Alternatively add as wings to a piled end of a pontoon to extend shore bracing.</p>	£458.42	2
CONNECTION NOGS 1			<p>Use in pairs to allow module to module, articulated connection joints (or as additional support) at any point along the broadside of a pontoon. This type is costed to a bare, untrimmed module type.</p> <p>When present, two joint noggins are fabricated to a nominated position, matching the connecting module's beam.</p>	£55.45	0

CONNECTION NOGS 2			<p>As above, but this variant also includes cutting of the angle trim in the specified position to match the extra noggin attachment.</p> <p>Both of these CONNECTION NOG types are priced as a pair and additionally require a (previously listed) ARTICULATING JOINT tube appropriate to the non-broadside connecting module.</p>	£94.26	20
GRP WAFFLE DECK			<p>Designed to be long lasting with high strength and non-slip properties, Glass Reinforced Plastic (GRP) grating is formed using continuous interwoven glass fibres as reinforcement material and resin as the matrix with continuous solidification through a mould system.</p> <p>Price shown is per square metre, contact us for a full quote,</p>	£141.40	
COMPOSITE DECK T1	<div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="129 710 380 1013"> <p><b>WARM SAND</b></p>  </div> <div data-bbox="398 710 649 1013"> <p><b>COOL GREY</b></p>  </div> <div data-bbox="667 710 918 1013"> <p><b>WELSH GREY</b></p>  </div> <div data-bbox="936 710 1187 1013"> <p><b>MOCHA</b></p>  </div> <div data-bbox="1205 710 1456 1013"> <p><b>CHARCOAL</b></p>  </div> </div>	<p>T1 Super Stable Composite decking boards are lightweight and long lasting, they will not split, rot or warp. Choose your colour and flip the face to finish as Grooved or Woodgrain (both an anti slip texture). Board unit price shown for reference, decked pontoons are already priced to include composite decking.</p>	£33.81		
MILLBOARD DECK T2	 <p style="position: absolute; top: 10px; left: 10px; color: white; font-size: 24px; font-weight: bold;">Enhanced Grain</p> <p style="position: absolute; top: 15px; left: 10px; font-size: 12px; color: white;">Decking that perfectly replicates the beauty of prime oak</p> <p style="position: absolute; top: 815px; left: 515px; font-size: 12px; color: white;">Explore Collection &gt;</p> <div style="position: absolute; right: 10px; top: 50px; background-color: #0056b3; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">SEE RANGE</div>	<p>For a luxury finish and extraordinary quality, we are delighted to offer the legendary Millboard Enhanced Grain Composite Decking range. It famously perfectly replicates the beauty of freshly cut oak whilst providing the high performance of polyurethane. Board unit price shown for reference, decked pontoons are already priced to include composite decking.</p>	£104.38		

FLOATING HOME PONTOONS					
ID	PERSPECTIVE VIEW	TOP VIEW	DESCRIPTION	PRICE	COUNT

SPAN CATAMARAN			<p>This listing is for a SPAN CATAMARAN pontoon, composed of a fabricated aluminium frame, four float units and all required fixings. This single piece pontoon saves on costs against multiple mod arrays, and works well for small, low load pod bases and rafts, Choose the standard 2.40 x 6m (priced), or talk to us to adapt the width and length to suit your use case and loading requirements.</p>	<p><b>£3,727.32</b></p>	<p><b>0</b></p>
SPAN TRIMARAN			<p>This listing is for a SPAN TRIMARAN pontoon, composed of a fabricated aluminium frame, six float units and all required fixings. This single piece pontoon saves on costs against multiple mod arrays, and works well for small, mid load pod bases and rafts, Choose the standard 3.40 x 6m (priced), or talk to us to adapt the width and length to suit your use case and loading requirements.</p>	<p><b>£5,505.42</b></p>	<p><b>0</b></p>
SOLO CATAMARAN			<p>This listing is for a SOLO CATAMARAN pontoon, composed of a fabricated aluminium frame, six float units and all required fixings. This single piece pontoon saves on costs against multiple mod arrays, and works well for smaller accommodation pod bases. Choose the standard 2.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£4,800.60</b></p>	<p><b>0</b></p>
SOLO TRIMARAN			<p>This listing is for a SOLO TRIMARAN pontoon, composed of a fabricated aluminium frame, nine float units and all required fixings. This single piece pontoon saves on costs against multiple mod arrays, is perfect for floating Airbnb pods and similar. Choose the standard 3.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£7,158.86</b></p>	<p><b>0</b></p>

CATAMARAN MOD			<p>This listing is for a single, CATAMARAN pontoon module, composed of a fabricated aluminium frame, two float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 2.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£1,679.01</b></p>	<p><b>0</b></p>
TRIMARAN MOD			<p>This listing is for a single, TRIMARAN pontoon module, composed of a fabricated aluminium frame, three float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 3.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£2,494.03</b></p>	<p><b>0</b></p>
QUADRIMARAN MOD			<p>This listing is for a single, QUADRIMARAN pontoon module, composed of a fabricated aluminium frame, four float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 4.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£3,309.05</b></p>	<p><b>0</b></p>
PENTAMARAN MOD			<p>This listing is for a single, PENTAMARAN pontoon module, composed of a fabricated aluminium frame, five float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 5.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£4,319.06</b></p>	<p><b>0</b></p>

HEXAMARAN MOD			<p>This listing is for a single, HEXAMARAN pontoon module, composed of a fabricated aluminium frame, six float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 6.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£5,134.08</b></p>	<p><b>0</b></p>
HEPTAMARAN MOD			<p>This listing is for a single, HEPTAMARAN pontoon module, composed of a fabricated aluminium frame, seven float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 7.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£5,949.10</b></p>	<p><b>0</b></p>
OCTAMARAN MOD			<p>This listing is for a single, OCTAMARAN pontoon module, composed of a fabricated aluminium frame, eight float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 8.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£6,764.12</b></p>	<p><b>0</b></p>
NONAMARAN MOD			<p>This listing is for a single, NONAMARAN pontoon module, composed of a fabricated aluminium frame, nine float units and all required fixings. Launch and connect in series of 2.45m long modular increments to form a full pontoon floating home hull. Choose the standard 9.50m beam (priced), or talk to us to adapt the width to suit your use case and loading requirements.</p>	<p><b>£7,579.13</b></p>	<p><b>0</b></p>