

minimum 1 mm thick, for the entire length, and down to the floor on both sides, leaving no gaps and sharp edges.

Doors shall be provided with door closer, which could be adjusted.

Door for cabin shall be B15 fire rated, sound reduction shall be at least 45db(A) (RW) , clear opening of 800*2050, door sill shall be 20mm after deck covering top installed, door body shall be with escape hatch of 500x600mm.

Door for toilet shall be C fire rated, sound reduction shall be at least 32db(A) (RW) , clear opening of 600*1950, door sill of 100mm inside of toilet, the gap between door body and bottom shall be 8mm used for ventilation.

Door shall be provided with ABS statutory certificate.

2. Wall panels, ceiling panels, inspection covers, profiles, skirting board, and so on.

Interior Wall and Ceiling System shall be of an approved and certified Marine System. The Marine Bulkhead System shall be a complete integrated system and composed of prefinished modular steel panels. The system may consist of either inter-locking, structurally self-supporting panels, or panels attached to an integral structural frame system. All installed panels and structural members shall either be non-corrosive or of galvanized steel, rigid and robust, maintaining the walls integrity under various operational conditions.

The system shall be smooth, easy to maintain and clean, and free from any rattling noises. The partition and ceiling systems shall be fully compatible with all relevant installations, elements, fixtures, fittings and penetrations, as well as all relevant requirements to stability, sound reduction and fire class.

Protective film shall be installed on all wall and ceiling panels. The partition and ceiling system shall meet the sound insulation requirements with respect to field measured values (R'w) unless otherwise stated due to noise requirements. All partitions towards rooms and areas with high noise levels shall have a noise reduction that is sufficient to meet the noise requirement in adjoining rooms. As a guidance in the choice of system, the laboratory sound reduction index (Rw) shall be between 3 dB and 5 dB better than the field requirement. The limited noise level for prefabricated cabin shall be 40db(A), sound reduction between cabin and cabin shall be 45dB(A) (R'w), sound reduction between cabin and corridor shall be 45 dB(A) (R'w).

Bulkhead and ceiling panels shall be aligned and set plumb and level, overall dimensional tolerance shall not exceed 3mm, all types of services (e.g. pipes, ducts, cables, boxes, switches, sockets, grilles, speakers, light fittings and detectors) shall be carefully co-ordinated with the settings of the panels, all cut-outs in bulkhead and ceiling panels shall be properly trimmed, sharp edges and corners are unacceptable. Gap between components and panels shall be covered by additional insulation which would be properly sealed to prevent any fibres or fibre dust from being emitted into the environment.

Hinged inspection panels (or doors) shall be provided where inspection and maintenance behind the partition or lining or ceiling is required. These panels shall maintain the fire rating of the partition or lining or ceiling. The inspection panel shall blend with the wall or lining. The panels in walls and linings shall be hinged and lockable by use of hexagon key system.

All toilet areas shall be provided with wet type base panels, resting on stainless steel flat bar. The underside of the wall base shall be completely sealed against wall skirting wall with flexible sealant. Wet details shall be approved by Owner prior to installation. Partitions in wet areas and showers shall be completely splash-proof and easy to maintain and clean.

Wall panels shall be sandwich type with mineral wool core and sides of 0.7 mm/0.8mm thick galvanized steel sheets. Decor side covered with Halogen free foil or painted (only where specified) according to agreement with Yard. Lining wall panels shall be minimum 25 mm thick. Wall panels shall be at least B-0 fire rating.

Self suspended panels shall be 300mm width (DAMPA type) made of a thickness of minimum 0.8 mm galvanized steel sheet, filled with insulation inside panel, and additional (loose) insulation of 30mm thick shall be required to maintain fire class or noise reduction on ceiling panel with suitable fixing, included covering all cut out for ceiling light, diffuser, etc. Ceiling panels shall be at least B-0 fire rating, and overall sound reduction quality shall be at least 45 dB(A) (R'w).

Visible means of attachment for installation of wall panel and ceiling panel are unacceptable.

Ceiling panels and wall panels shall be provided with ABS statutory certificate.

Skirting boards shall be aluminium material and skirting board sample should be confirmed by Yard.

3.Toilet unit in prefabricated cabin.

WC/shower modules in the accommodation area shall be pre-fabricated units, supplied and installed as complete units ready for use.

The shower area should be separated from the rest of the bathroom. Special attention shall be paid to clean ability and hygiene in the unit. All surface materials shall resist extensive use of cleaning detergents. All joints shall be flush with surrounding materials.

The bottom tray shall be rigid and constructed in one piece from carbon steel, The base of the bottom tray shall be pre-formed to provide minimum pitch to the floor drain(s) of 1:80 in the general area and 1:40 in the shower area. Floor screed shall not be used. A seamless synthetic coating shall be bonded to the bottom tray forming a nonslip, completely impervious waterproof base that is both hardwearing and easy to clean.

The bottom tray, up stands and drain box shall be constructed by use of continuous seam welding.

Water from the shower area should not reach adjoining floor areas in the bathroom.

Prefabricated bathroom walls shall be pre-fabricated sandwich type panels with mineral wool core and sheathed with minimum 0.7 mm thick coated carbon steel sheets. Lining wall panels shall be minimum 25 mm thick unless otherwise specified. Decor side shall be covered with Halogen free foil.

All wall systems should be clutter free with no visible fasteners or protruding trim pieces.

All wall joints shall be impervious to water ingressions and be hardwearing and easy to clean.

The corners shall have a gentle radius to aid cleaning. Vertical joints in corners shall be avoided.

All penetrations shall be permanent flexible and completely watertight.

The walls shall be reinforced as required, for fixing of equipment.

The walls shall be connected to the bottom tray by a watertight drip-nosing detail.

Door shall swing out from the bathroom unit. Pivot hinges, indicator lock and two lever handles and thumb turn knob on bathroom side shall be included with the door. A brushed stainless steel threshold with sides

extending down to finished floor on the outside of the units (cabin side) shall be installed without visible fixings. There shall be no exposed sharp edges. A hold open device to assist cleaning shall be provided. Doors to prefabricated bathroom units with a built up floor construction, shall have a clear height of minimum 2000 mm, measured from the top of the floor finish inside the bathroom to the underside of the top frame.

Accessories in bathrooms in metal shall be in brushed stainless steel.

Pipes shall be concealed. Hot and cold water pipes which are installed outside the bathroom units shall be insulated. No joints shall be formed in the thickness of walls, floor and ceiling, or in non-accessible spaces, e.g. between two units. All pipe work shall be installed on fixed, galvanic ally insulated supports. Water supply pipes shall be easily replaceable or maintenance free. Whenever possible, all water supply pipes and the hand wash basin drain pipe shall be routed to avoid non-accessible spaces, e.g. routed directly to service shaft concealed below washbasin construction.

The floor drain(s) shall be of non-corrosive material, compatible with the bottom tray, and have a perforated cover plate in satin finished stainless steel. The cover plate shall be "press fitted" or clipped into place, i.e. it shall not be screw fixed. The floor drains shall be continuously welded to the bottom tray. It shall have a minimum 50 mm high effective water trap and cleaning access/opening for clearing blocked pipe work from inside the bathroom.

Local shut-off valves shall allow for replacement of individual mixing taps or shower heads, without affecting neighboring cabins.

Supply lines shall be flushed, cleaned and hydrostatically pressure tested to 0.9 MPa (9 bar) pressure for 1 h, prior to fitting of fixtures and transport tubular end caps.

A satisfactory arrangement for extracting air from the cabin via the bathroom unit shall be provided.

Each bathroom unit shall be installed with one extract register recessed in the ceiling above the shower area. The extract register shall be easily dismantled from inside the bathroom and shall have an adjustable centre core for controlling the air flow.

The bathroom units shall be complete with all electrical light fittings, conduits, junction boxes, cables, sockets, light fittings, thermostat, etc. All cables shall be concealed.

A socket outlet with hinged lid for electric shaver and hair dryer shall be

mounted on the wall near the mirror.

One double-poled light switch (to match cabin switches), shall be installed in a suitable location outside the bathroom unit.

A service shaft with an access panel/door from the corridor side shall be provided for all bathrooms. All pipes, cisterns, cleaning access/opening/eyes, etc., shall be located here. Shared service shafts should be arranged to allow equipment maintenance to take place on one bathroom, without disrupting the use of the neighbouring bathroom.

All shut-off valves for hot and cold water supply shall be provided in the service shaft for each cabin.

The screw thread connect to shipyard pipe should be NPT

Sealing of joints and penetrations shall be sealed with a seawater resilient and permanently elastic polyurethane material (Sikaflex or similar). Silicon based sealing material shall not be used.

Sanitary accessories shall be well-known brand, TOTO, American Standard, or KOHLER, and should be confirmed by yard, Vendor should provide details drawing with accessory list for yard approval during Technical Agreement discussing.

4. Furniture in prefabricated cabin.

All furniture shall be supplied and installed by vendor according to Prefabricated cabin arrangement plan.

All furniture for cabins shall be made in treated marine grade wood, Furniture shall be of sturdy attractive design with colors subject to the Yard's "Approval/Comments".

All furnishing materials such as, chairs, sofas, settees, mattresses, curtains and blind curtains and furniture shall be fire retardant, low surface spread of flame, Non-toxic, and no emitting of any toxic fume in compliance with FTP code.

All furniture in cabin shall be secured to decks, secured to wall panel should be as smaller as possible. Chairs shall be provided with temporary hold downs in the normal usage positions for transit and rough weather.

All materials used in the furniture shall be of high international standard and quality.

Combustible wood core material (plywood) shall be fire treated with impregnation or equal according to regulation. All visible combustible wood

such as hardwood trimming shall be covered with fire resistant top surface with fire resistant adhesives.

All items shall be easy to clean and shall not have complicated junctions or recesses. Dust traps shall be avoided. High-level cabinets and furniture items shall have infill pieces towards suspended ceilings to avoid dust traps (Full height).

To minimize the risk of injury, there shall be no sharp corners or edges. All items shall be of an ergonomic design and shall be comfortable to use. Chairs shall be height adjustable.

- All shelves to have sea rails or up-stands.

- Shelves and cabinets for document storage shall allow for large size A4 ring-binders as required.

- Cabinet and wardrobe shelving shall be height adjustable and when adjusted, fixed in position preventing them from sliding or tilt. Furniture items shall be fixed in position as required. Shelves shall have maximum 15 mm fixed up-stand edges. Extra sea safety rail in front of books, binders and other items as required.

- Upholstered furniture, including sofas, armchairs, office chairs, etc. to be covered with first class dirt repellent antistatic treated textiles or aniline leather, and have wearing and cleaning properties suitable for heavy duty use.

All curtains shall remain non-flammable or flame retardant after cleaning, and shall be pre-shrunk. Curtains shall be of a quality that allows for repeated washing.

Cabin windows must also be equipped, in the internal frame, with an integrated roller black out blind with guide rail preventing light leakage shall be provided by vendor.

Furniture core material shall be of high quality, providing sufficient mechanical strength for its purpose, and shall be documented as fire retardant, e.g. fire retardant medium density fibreboard, fire retardant plywood, aluminium honeycomb etc.

Plastic laminates shall be of fire retardant quality attached with adhesives of same properties. Corners and edges of laminated finishes shall be smooth and rounded. Rounded edges and corners shall be post-formed or supplied with a rounded profile. Alternatively, solid rounded hardwood profiles with fire retardant lacquer may be used as edges. Laminate and hardwood edges shall be thoroughly bonded to the core material.

Hardware shall be heavy duty, suitable for the intended use. Locks shall be of the recessed.

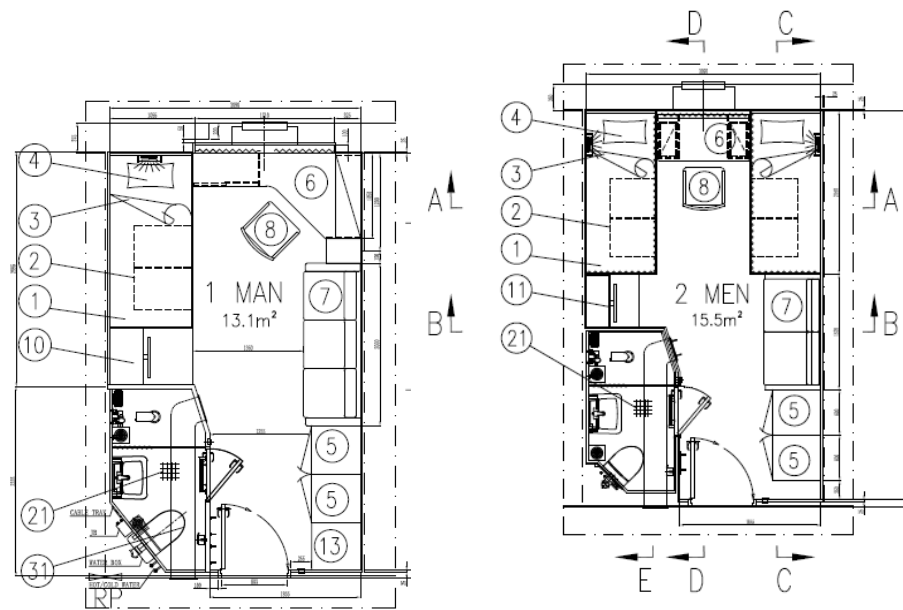
Generally, all hardware shall be in stainless steel, and brushed to a grit of 180 to 220.unless specified otherwise.

All hardware shall be HAFELE brand or equal approved by Yard.

All furniture hardware shall be selected taking into account that this is a mobile installation and that locking device etc., for drawers, shelves, cabinet and wardrobe doors are seaworthy and selected according to use.

The design of the furniture shall be appropriate and suitable for its use, given long-term use, functionality and appearance. Consideration shall be given in order to achieve a throughout stylish and thoughtful furniture design.

Contract Award Q2 2020; Delivery Q1 2021 all units



Project Registration

ConocoPhillips is committed to ensuring Australian Industry full, fair and reasonable opportunity to participate in the Barossa Offshore Project. Expressions of Interest are invited from contractors and suppliers with the relevant capability and capacity to undertake the scope of work.

This is a request for specific expressions of interest. Contractors and suppliers will be considered for prequalification and tender if suitably qualified against this package.

Note that an important part of the project registration process is to register an Expression of Interest at the correct Scope level.

Scope level definition:

Full scope: Able to produce / supply the entire package.

Partial scope: Able to produce / supply one or more of the sub-packages.

All registrations are to be completed via ICN Gateway BarossaOffshore.icn.org.au. Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 or admin@icnnt.org.au.

Project Website: ConocoPhillips Australia