

## S.S. "FRANCONIA" - INSULATION.

similar manner to the ship's sides and with the same total thickness of cork. Where there are no suitable bulkheads stiffeners Purchasers to provide and fit angle lugs to which the timber grounds can be bolted.

HATCH TRUNKS.- A suitable pitch pine cant to be bedded down and bolted to the steel deck extending all round in way of the hatch trunks 6" x 2" vertical grounds to be fitted and lined on the hatch side with one thickness of 1 $\frac{1}{2}$ " T & G. pine boards. The insulation to consist of one layer of 4" compressed cork slabs, one layer of 2" compressed cork slabs, and one internal layer of 2" compressed cork slabs, faced with expanded metal and  $\frac{5}{8}$ " thickness of fibrous cement. Total thickness of cork 8". The hatch trunks to be fitted with the necessary insulated doors having pitch pine framing, galvanized hinges, Taylor's fastenings and galvanized chafeing plates all round the openings. The doors to be arranged to Owners' requirements.

INTERNAL DIVISIONAL BULKHEADS - To be made with 4" x 3" vertical grounds suitably pitched and with one layer of 4" compressed cork slabs fitted in between. To be faced on each side with one layer of 2" slab cork, expanded metal and  $\frac{5}{8}$ " thickness of fibrous cement.

BILLARS, GIRDERS, BEAM KNEES ETC. All to be suitably insulated with compressed cork slabs as necessary. The insulation on the underside of the deck forming the floor of the chambers will be carried level right in to the ship's sides. All necessary

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ventilator and other plugs to be provided and to have galvanized fittings.

EVAPORATOR HOUSE - The evaporator house partitioned off from the refrigerator engine room to be suitably insulated and fitted with insulated entrance door framed in pitch pine and with galvanized hinges and fastener. The brine pump ends also to be insulated. The feed and return leads connecting between the machinery and the cold rooms to be fully insulated with granulated cork and double linings of T & G. boards.

THERMOMETER TUBES. The necessary thermometer tubes  $2\frac{1}{2}$ " bore to be fitted to "F" Deck (one deck only) and to have gunmetal deck sockets with screwed plugs mounted on beak pads. In the chamber suitable perforated internal tubes to be fitted. All thermometer tubes to be galvanized - disposition and arrangement to your satisfaction.

We to have free use of ship's winches or lifting gear for lifting our material on board also of electric light for lighting the spaces concerned during the carrying out of the work.

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