

KUSMT US Marines Hut

Technical report

Foundations	Compacted shingle Bearers: three x 6 m. long laid transversely to the line of the hut Connected to ground with Baytex PE26 soil anchors
Sub-floor framing	Treated pine joists
Floor	Original matai floor panel Old varnish was stripped using Cooper's Restoration Kit
Wall framing	The building was constructed from two two-man hut modules, so there were two panels on each side wall. The panels are connected with steel nuts and bolts that were in good enough condition to re-use. When used as a cottage at Tiromoana Road, an 18 inch extension panel was inserted at floor level to provide a higher stud, apparently to make the cottage compliant with local building regulations. This lower panel was removed in the restoration process. The framing is 50 x 50 mm framing. 50% is the original rimu and 50 % is treated pine replacement.
Roof framing	The framing is 50 x 50 mm framing. 50% is the original rimu and 50 % is treated pine replacement. Original steel nuts and bolts are used.
Exterior cladding	The original rimu weatherboards were, in some cases, rotted or split and had in any case been cut short in the process of modifying the hut as a dwelling in Tiromoana Road. All weatherboards were therefore replaced with treated pine cut by Placemakers to conform to the original profile. Placemakers treated them with primer on all sides.
Roof cladding	Marine ply sheets, 18 mm. Butynol, applied by John Clutterbuck Roofing, 18 Manchester St., Paraparaumu; P. (04) 298 8799
Window framing	Main window was a rimu salvaged frame pivoted half-way down. Frames and slats for the side vents were created from lengths of original rimu weatherboard.
Windows	Laminated glass (as for windshield) supplied and installed by Glassfit Ltd.
Fastenings and fittings	Shelves of treated pine Stainless steel or brass hinges and other hardware
Painting	Exterior walls: Resene Lumbersider 'Planter' (4 litres) Doors and window frames Resene Lustracryl 'Planter' semi-gloss enamel (1 litre) Interior: grey. Since the original was unlined and unpainted this was an attempt to make new primed weatherboards conform to the same appearance.

