

Wall Bracing System For Small Buildings

To be used generally in accordance with wall bracing procedure defined in NZS 3604 :2011

Specification Code	Maximum Pitch (°)	Maximum Length (m)	Roof Panels
MC-RD1	25°	15 or 2xW (Diaphragm width)	Metalcraft Insulated Panels

METALCRAFT INSULATED PANELS

● Panels.

Roof panels to be metal faced panels produced by Metalcraft such as ThermoSpan, ThermoSpan FR, MetecnoSpan or Flameguard.

● Roof panel details.

Roof panels to be fitted and fixed in accordance with Metalcraft Residential Roofing details.

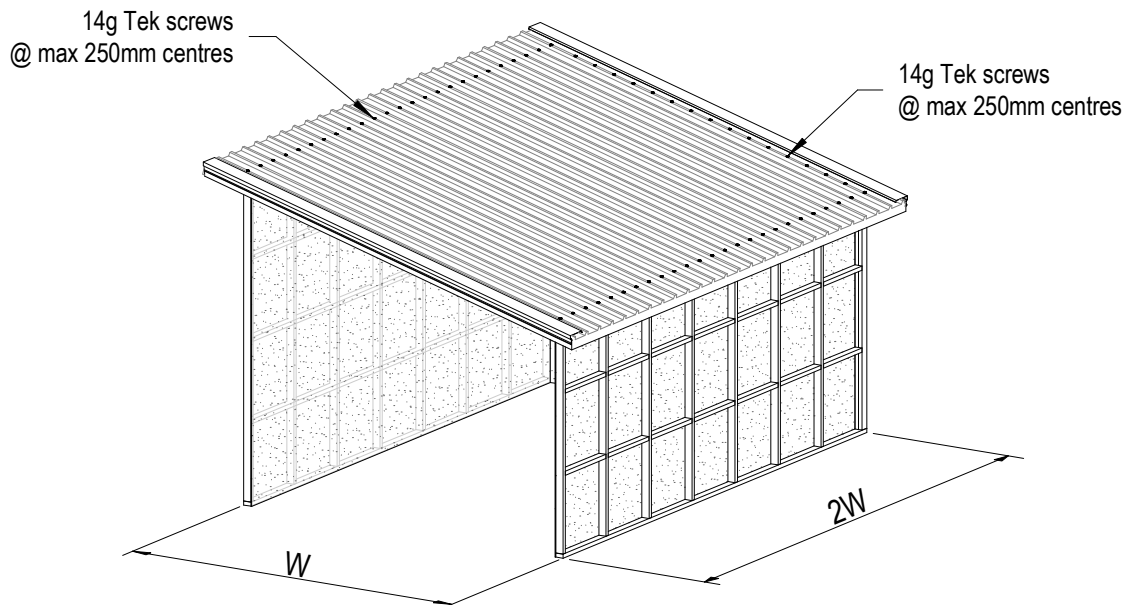
● Roof fixings.

Roof panels to be screw fixed to timber wall top plates with 14g Tek screws through each rib, across the panels and max 250mm centres along the panels.

● Design Principles.

The structural calculations are based on NZS 3604 principles. All wall panels to be connected to a roof/ceiling of Metalcraft insulated panels forming a diaphragm to distribute loadings.

Roof diaphragms should not have a length greater than 2x width, shall not be at a pitch greater than 25° and not longer than 15 metres.



PO Box 43-154 Mangere Central, AUCKLAND
(09) 277-8844 Extn: 1 (09) 277-8842
peter.z@metpanels.co.nz

Wall Bracing System
Specification
Roof Diaphragm
MC-RD1



Redco NZ Ltd
Redco House
470 Otumotai Road
TAURANGA, 3110
Telephone: 07 571 7070
Facsimile: 07 571 7080
Email: red@redco.co.nz
www.redco.co.nz

Providing the services of

Consulting Professional Engineers

Approved:

Drawing No.

Date: October 2016

Revision: 3

RD1