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Steel & Tube QBT450™ Profile Metal Roofing 4

SMARTSPEC

1 ROOFING

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

1170.2:2011(AS/NZS)	Structural design actions - Wind actions
2295:2006(NZS)	Pliable, permeable building underlays
3604:2011(NZS)	Timber-framed buildings
4200.1:2017(AS|NZS)	Pliable building membranes and underlays - Part 1: Materials
4201.2:1994(AS/NZS)	Pliable building membranes and underlays - Methods of test - Resistance to wet delamination
4389:2015(AS/NZS)	Roof safety mesh
4534:2006(AS/NZS)	Zinc and zinc/aluminium-alloy coatings on steel wire
NZMRM Code of Practice	NZ Metal Roof and Wall Cladding Code of Practice - Version 3.0

1.3 Steel & Tube QBT450™ Profile Metal Roofing

1.3.1 Scope

Supply and install the specified Profiled Metal Roofing from Steel & Tube to the roofs identified on the drawings, complete with all accessories. All aspects of this work shall be in complete accordance with Steel & Tube technical literature (check www.steelandtube.co.nz, or email roofing@steelandTube.co.nz or call 0800 333 247 for the latest editions), other relevant product manufacturers' recommendations, and as shown on the drawings.

No substitutions are permitted for Steel & Tube Profiled Metal Roofing.

Steel & Tube - profiled Metal Roofing can be designed as an external wall cladding for resedential, commercial & industrial buildings where the application is within the performance criteria's shown within the 'Steel & Tube Product Technical Statement'.

Extent of wrork:

The following is a list and/or general description of the extent of the Steel & Tube - Profiled Metal Roofing works, which are more specifically defined in the contract documents, required for the completion of the contract works:

1.3.2 Requirements

1.3.2.1 Warranty - Roofing Material

Provide a material manufacturer/supplier warranty in accordance with published supplier's guidance on materials, environments and building types:
- Minimum 15 Years for Perforation.
- Minimum 10 Years for Coatings.
- Provide the warranties on the Steel & Tube Standard Warranty Plus Warranty Form.
- Commence the warranty from the date of installation.

Factory Applied Coatings: The warranty is determined by the specified product and the site location and environment - contact Steel & Tube to evaluate the warranty conditions.

1.3.2.2 Warranty - Installation

Provide an Installer's Installation Warranty:
- Minimum 5 Years for Workmanship.
- Warrant this work under normal environmental conditions and use against waterproofing failure.
- Provide the Installation Warranty on the Installer's Standard Warranty Form.
- Commence the warranty from the date of installation.

Include a copy of the Steel & Tube maintenance requirements with the Installation Warranty.

1.3.2.3 Design Wind Pressure - Low Wind Zone

Design Wind Pressure - Non-Specific Design Wind Zone Classification:
- NZS 3604 Wind Zone: L = Low.
- Wind Speed: <32m/s.
- Ultimate Limit State: 0.61kPa.

Refer to the relevant Steel & Tube Product Technical Statement for wind load design parameters.

1.3.2.4 Design Wind Pressure - Medium Wind Zone

Design Wind Pressure - Non-Specific Design Wind Zone Classification:
- NZS 3604 Wind Zone: M = Medium.
- Wind Speed: <37m/s.
- Ultimate Limit State: 0.82kPa.

Refer to the relevant Steel & Tube Product Technical Statement for wind load design parameters.

1.3.2.5 Design Wind Pressure - High Wind Zone

Design Wind Pressure - Non-Specific Design Wind Zone Classification:
- NZS 3604 Wind Zone: H = High.
- Wind Speed: <44m/s.
- Ultimate Limit State: 1.16kPa.

Refer to the relevant Steel & Tube Product Technical Statement for wind load design parameters.

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