



1. GENERAL

1.1 GENERAL This specification relates to the installation of The Garage Door Company Custom Garage Doors.

1.2 RELATED WORK The installation of the Custom Garage Doors relies on the following:

- a primary structure that:
 - complies with the NZ Building Code and is designed and installed in accordance with the building consent and construction drawings and NZS 3604:2011, NASH Standard Part 2: May 2019; or by specific design to AS/NZS 1170.0 [set], or
 - in the case of an existing building, where the designer and installer have satisfied themselves that the primary structure of the existing building is suitable for the intended building work.
- structural fixings that comply with the NZ Building Code
- back flashings and standard or custom external flashings.

1.3 DOCUMENTS

Refer to the following supplier's documents:

- GDC-02 Fixing Details – Sectional Garage Doors: Custom Doors.
- this specification.

Refer to the following related documents:

- NZS 3604:2011 Timber-framed buildings
- NASH Standard Part 2: May 2019
- AS/NZS 1170 Structural design actions
- Acceptable Solution E2/AS1.

1.4 BUILDING CODE COMPLIANCE

The Custom Garage Doors comply with the Building Code:

- Clause B2.3.1 (c): System componentry materials in accordance with Section 4 of NZS 3604:2011, E2/AS1 Tables 20 to 24 and Table 1 of Acceptable Solution B2/AS1.
- Clause E2.3.2: Flashings in accordance with Acceptable Solution E2/AS1, or custom flashings.
- Clause H1.3.2E: Where insulated with foam insulation or high R-value backing panels, contributes to compliance. Calculated in accordance with Acceptable Solution H1/AS1.

1.5 GENERAL DESIGN CONSIDERATIONS

The Custom Garage Doors must be specified in accordance with:

- the flashing requirements of E2/AS1, or customised flashings
- fixings and compatibility of fixings in accordance with NZS 3604:2011 and Acceptable Solution E2/AS1 (Tables 20 to 24) for the applicable environmental and climate zone.



2. PRODUCTS

2.1 PRODUCT DESCRIPTION

The Garage Door Company supply a range of Custom Garage Doors:

- Standard Cedar Vertical Garage Doors
- Standard Cedar Horizontal Garage Doors
- Flush Fit Garage Doors
- Aluminium Garage Doors.

Custom Garage Doors can be motorised with Merlin openers or non-motorised.

Custom Garage Doors can be installed with foam insulation or high R-value backing panels.

2.2 SUPPLIED COMPONENTS

The following components are supplied:

Door framing

- Aluminium framing
- Steel framing

Door

- Sectional
- Roller
- Tilt
- Custom

Track

- Powder-coated track
- Galvanised steel track
- Fixings and brackets

Cladding

- Standard Cedar Horizontal Garage Door
- Standard Cedar Vertical Garage Door
- Flush Fit Garage Door
- Aluminium Garage Door
- Fixings

Merlin opener

- Merlin Commander Elite
- Merlin Commander Ultimate
- Merlin Commander Extreme
- Merlin Silentdrive Elite
- Fixings and brackets

Insulation

- Foam insulation
- Backing panels

2.3 ACCESSORY COMPONENTS

Accessory components are:

- Timber preservative wood stain.

2.4 SUBSTITUTIONS

Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

3.1 QUALIFICATIONS	The installation of Custom Garage Doors must be carried out by a competent and experienced installer.
3.2 RESTRICTED BUILDING WORK	Where Restricted Building Work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.
3.3 CHECK RELATED WORK	Confirm the primary structure has been constructed in accordance with the building consent and construction drawings or, in the case of an existing building, that the existing building is suitable for the intended building work.

4. APPLICATION

4.1 GENERAL	<p>The installation the Custom Garage Door must be in accordance with the building consent documentation. All conditions contained in the building consent documentation must be met.</p> <p>The installation of the Custom Garage Door must be completed in accordance with the relevant Garage Door Company details and must be in accordance with the flashing requirements of E2/AS1 or custom flashings and with fixings and compatibility of fixings in accordance with NZS 3604:2011 and Acceptable Solution E2/AS1 (Tables 20 to 24) for the applicable environmental and climate zone.</p>
4.2 RECEIPT OF PRODUCT	<p>Ensure that all product supplied is:</p> <ul style="list-style-type: none"> ➢ free of defects at the time of delivery and ➢ handled and stored in accordance with all supplier's requirements and instructions.

5. COMPLETION

5.1 QUALITY CHECK	Check the installation is in accordance with The Garage Door Company requirements.
5.2 WARRANTIES	For warranty information refer to garagedoorcompany.co.nz .
5.3 INFORMATION FOR CARE AND MAINTENANCE	Custom Garage Doors requires normal care and maintenance to maintain their performance and appearance]. Refer to garagedoorcompany.co.nz for further information.

6. PROJECT-SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

DESIGNER CONFIRMATION

Location

Wind zone

<input type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High
<input type="checkbox"/> Very high	<input type="checkbox"/> Extra high	<input type="checkbox"/> ULS

Exposure zone

<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D
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Proximity to boundary

<input type="checkbox"/> Less than 1 m	<input type="checkbox"/> Greater than 1 m
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Building

Primary structure

<input type="checkbox"/> Timber	<input type="checkbox"/> Lightweight steel
<input type="checkbox"/> Existing building assessed at equivalent stiffness to NZS 3604:2011	

Structural fixing

<input type="checkbox"/> Timber ceiling structure	<input type="checkbox"/> Garage door jambs
<input type="checkbox"/> Garage opener support	<input type="checkbox"/> Other

Weathertightness

- Closing back flashing
- Need for standard external flashings
- Need for custom external flashings
- Compression seals

Electrical supply

- Registered Electrician required

Garage space

- Habitable
- Non-habitable

Installation

- New
- Retrofit

SUPPLIED COMPONENTS**Door framing**

- Aluminium framing
- Steel framing

Door

- Sectional
- Roller
- Tilt
- Custom

Track

- Powder-coated track
- Galvanised steel track
- Fixings and brackets

Cladding

- Standard Cedar Horizontal Garage Door
- Number of panels required

Standard Cedar Vertical Garage Door Number of panels required Flush Fit Garage Door Cladding type Aluminium Garage Door Cladding type Fixings**Merlin opener** Merlin Commander Elite Merlin Commander Ultimate Merlin Commander Extreme Merlin Silentdrive Elite Fixings and brackets**Insulation** Foam insulation Backing panels**ACCESSORY COMPONENTS** Timber preservative wood stain**DETAILS** GDC-02 Fixing Details – Sectional Garage Doors: Custom Doors.