

PROVISTA

BALUSTRADE SYSTEMS

WINDOW SHROUD and FACADE LOUVRE

PRODUCT TECHNICAL STATEMENT - Version BPIR 1, September 2026



"THE CHOICE IS CLEAR"



CONTENTS

	Page
1. Product/Company Information	1-3
2. Shroud/Louvre End View	4
3. Shroud/Louvre Assembly Drawing	5
4. Shroud/Louvre Connection Detail	6
5. Scope/Conditions of Use	7
6. Building Code Compliance	8-9
7. Warranty Statement	10
8. General Notes	11

"THE CHOICE IS CLEAR"

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN



Window Shroud and Facade Louvre

Product Line: Provista Window Shroud-Facade Louvre Solution

Product Name/Identifier: Window Shroud, Facade Louvre

Manufacturer Location: Provista Balustrade Systems Ltd/New Zealand, NZBN 9429033696102

Address for Service: 1568 Kumara Junction Highway, Hokitika RD2, Westland 7882

Manufacturer Contact Details: nbarrett@provista.co.nz, 0272 580 876, www.provista.co.nz

Warnings and Bans: No

Description:

Provista Balustrade Systems Aluminum Window Shroud and Facade Louvre products feature precision-engineered aluminium frames designed to enhance both the functionality and aesthetics of modern building facades. They provide depth, definition and a sleek architectural finish while delivering practical benefits for residential and commercial projects. The structural performance of the Window Shroud and Facade Louvre system has been assessed for compliance with NZ Building Code Clause B1 – Structure, for the conditions and limitations stated in this Product Technical Statement.

Key Features:

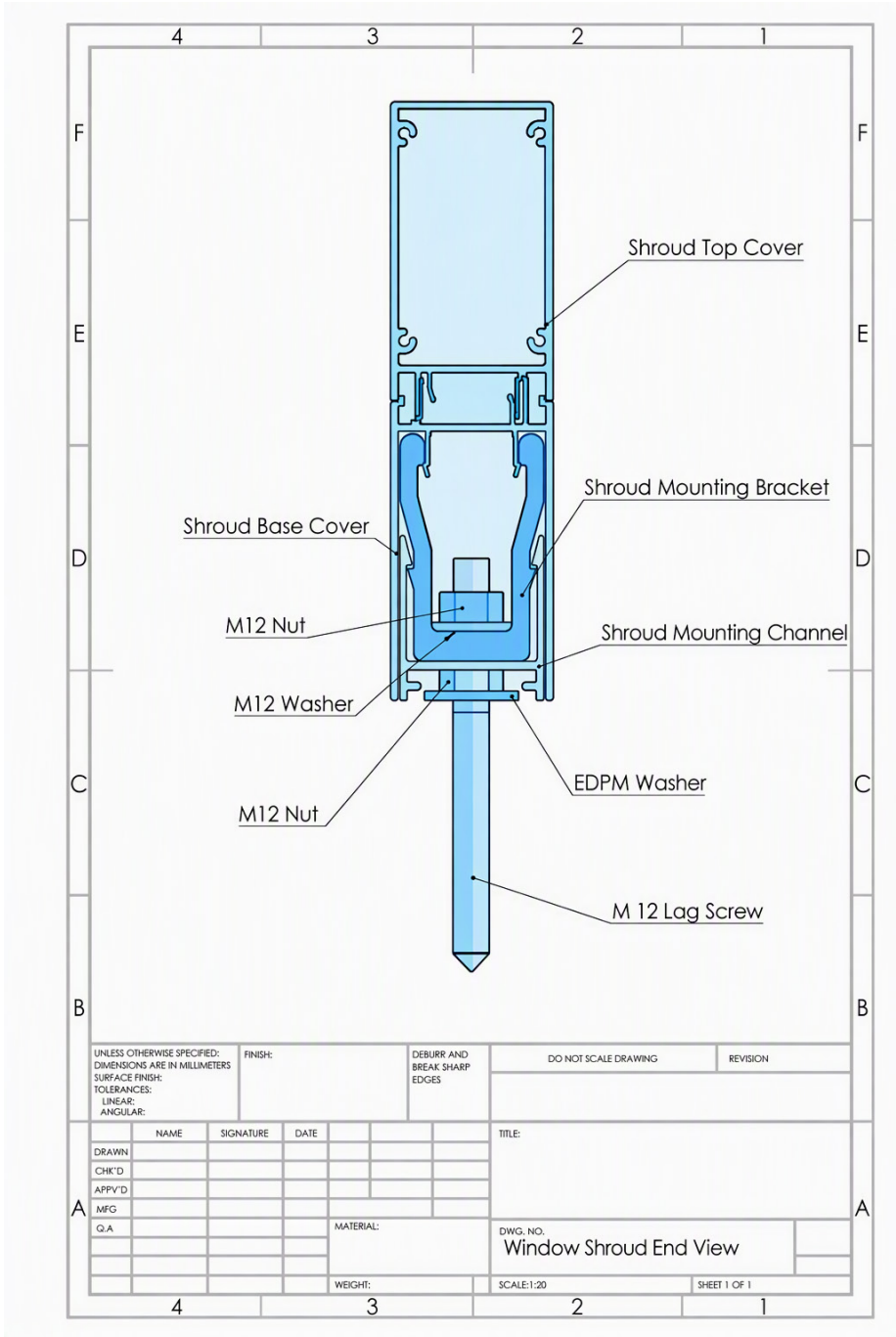
- Designed for residential and commercial applications including apartment buildings
- Architectural framing, sun shading and privacy enhancement without compromising natural light
- Hidden-fixings and an attractive 200 x 50mm rectangular profile, ideal for urban environments
- Reduces direct sunlight, minimising glare and heat gain for improved thermal comfort and energy savings
- T5 Temper Grade alloy used for all Shroud/Facade Louvre profiles
- Multiple finish options – can be powder-coated or anodised in all available NZ colours, including Dulux Duratec and Protecture powder coating as well as Metwood timber-look finish
- National design service to assist with project specific design and detailing
- National network of fabricators and installers
- 5 year warranty on Shroud/Facade Louvre(see warranty statement on page 9)

“THE CHOICE IS CLEAR”

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN



Window Shroud and Facade Louvre

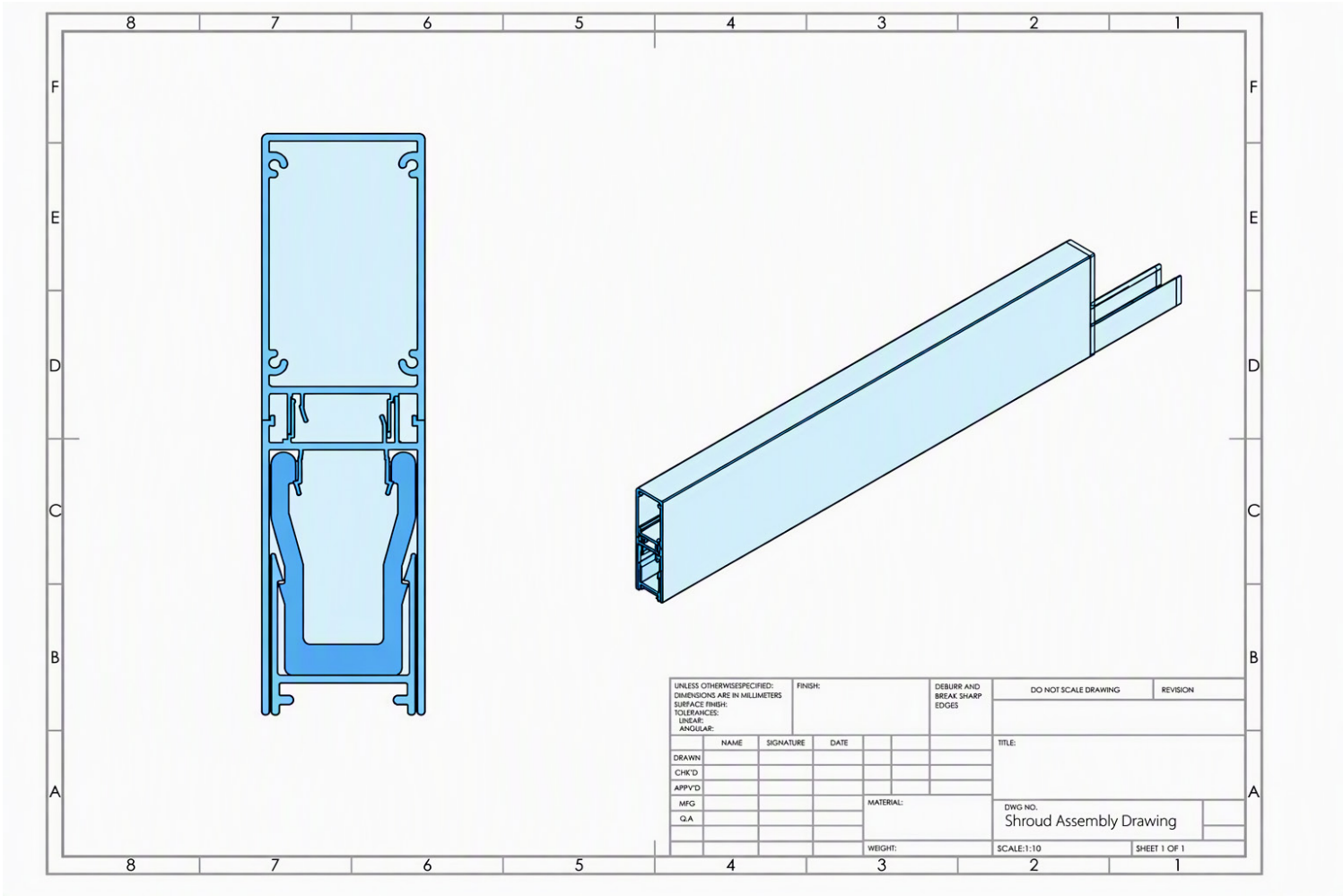


“THE CHOICE IS CLEAR”

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN



Window Shroud and Facade Louvre

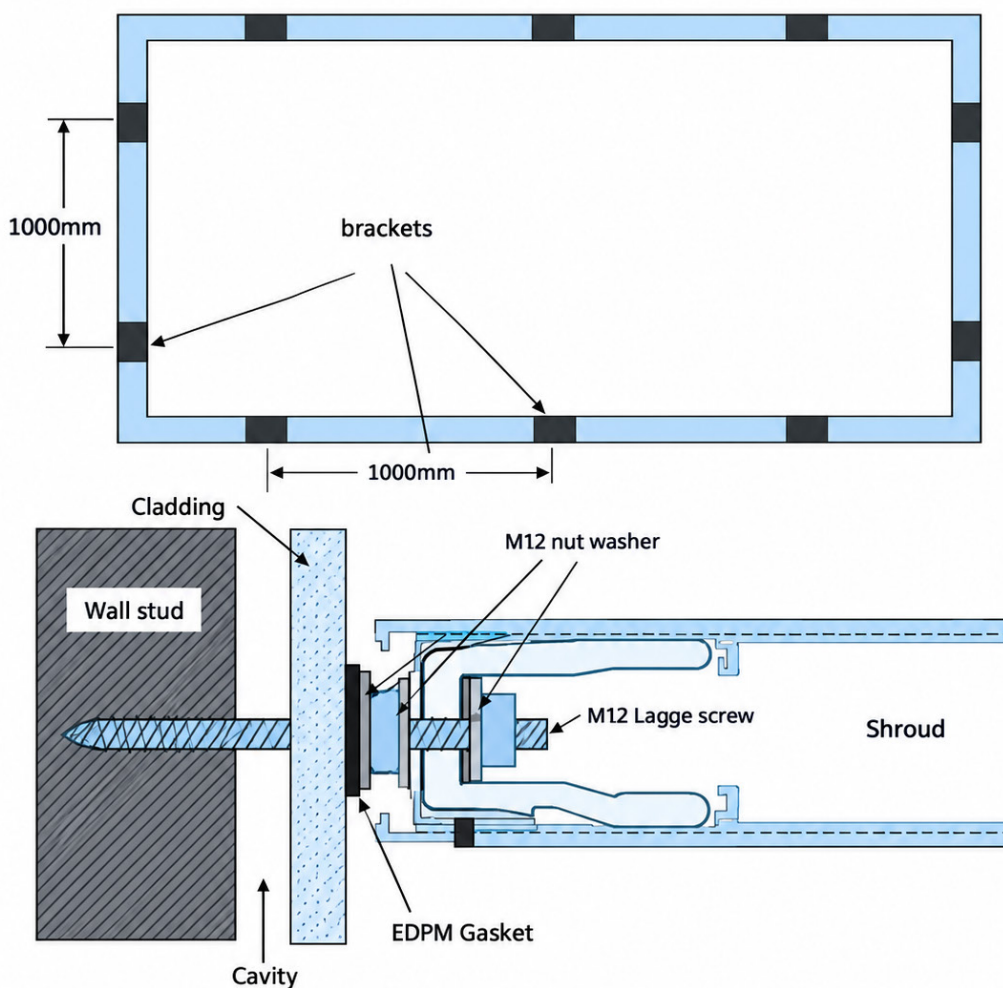


“THE CHOICE IS CLEAR”

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN

Window Shroud and Facade Louvre

Window Shroud and Facade Louvre connection details



"THE CHOICE IS CLEAR"

Window Shroud and Facade Louvre

Scope of Use:

The Provista Shroud and Facade Louvre solutions is a non-loadbearing Architectural system. The system has been structurally assessed for the actions associated with its intended use (including self-weight and wind loading), in accordance with the applicable requirements of AS/NZS1170 and NZ Building Code clause B1 - Structure. The standard system is suitable for use up to and including NZS 3604 Extra High Wind Zone, subject to compliance with the member sizes, maximum dimensions, bracket spacing, fixing requirements and structural substrates specified in this Product Technical Statement. The system is not intended to act as a balustrade, barrier, access system, primary structural element, or support for other building components. Applications outside the stated limitations require project-specific engineering assessment.

Conditions of Use:

- Provista Aluminium Shroud and Facade Louvre solutions should only be used in accordance with this Provista Technical Statement which confirms fixing methods available
- Specified for use in **Extra High Wind Zones**
- For high corrosion zones use Dulux Duratec powder-coating

NZS 3604 MAXIMUM SUITABILITY



Extra High Wind Zone

“THE CHOICE IS CLEAR”

Window Shroud and Facade Louvre

In-service History:

Provista has over 20 years of balustrade, pool fence and architectural system design, development and installation experience across New Zealand. Provista products are designed and manufactured for NZ conditions and have been installed in thousands of homes, apartments, schools, aged care villages etc, across the length and breadth of NZ

Statement of Building Code Compliance:

- Provista Balustrade Systems Shroud and Facade Louvre solutions have been designed and tested by independent engineers to comply with:
 - AS/NZS 1170 Structural Design Actions
 - NZS3603 Timber Structures Standard
 - AS/NZS 1664 Aluminium Structures – allowable stress design
- Designs are engineered to comply with B1 and B2 of the NZ Building Code
 - B1 Structure — B1.3.1, B1.3.2, B1.3.3 (c, f, h, j, m), B1.3.4
 - B2 Durability — B2.3.1 (a), B2.3.2 (a, b)
- For applications outside of the Provista Product Technical Statement specifications, a Site Specific PS1 can be prepared upon request

“THE CHOICE IS CLEAR”

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN



Window Shroud and Facade Louvre

Building Code Performance Clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.3.1

Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout their lives.

B1.3.2

Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during construction or alteration when the building is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including:

(c) temperature

(f) earthquake

(h) wind

(j) impact

(m) differential movement

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the building,
- c. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of buildings

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

- (a) the life of the building, being not less than 50 years, if:
 - i. those building elements (including floors, walls, and fixings) provide structural stability to the building, or
 - ii. those building elements are difficult to access or replace, or
 - iii. failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual building elements which are components of a building system and are difficult to access or replace must either:

- (a) all have the same durability
- (b) be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement

"THE CHOICE IS CLEAR"

COMMERCIAL & RESIDENTIAL BALUSTRADE DESIGN



Window Shroud and Facade Louvre

Warranty Statement

5 year peace of mind limited warranty covering faulty materials and installation supplied by Provista Balustrade Systems and installed by an authorised Provista Balustrade Systems agent. Warranty and provisions expressly covered in accordance with Building Code requirements within the Producer Technical Statement and assigned Building Code of Compliance Certificate.

The Client must notify Provista within 7 days of installation of any appearance or finishing defects present at installation and must give Provista reasonable opportunity to inspect. Provista will repair the defect or replace the materials or installation where the defect is the responsibility of Provista.

Excluded from any warranty claims:

A. Any or all sub structures that are supplied by third parties and covered under separate supplier warranties.

B. Provista does not give any warranty as to the life or appearance of the powder coating colour due to varying factors outside of Provista's control, including but not limited to sun exposure and weather conditions, that can affect powder coating.

C. Provista Balustrade Systems warranty excludes damage caused by extreme weather events and wind speeds greater than speeds the system was granted a code of compliance. Abnormal use, neglect, intentional damage or altered, modified after initial installation. And can be proven that the damage was caused by defective materials and or installation of Provista Balustrade Systems products only.

D. Damage or losses to business, personal property and third parties are also not covered under the warranty.

Provista Balustrade Systems Ltd will put right any defective materials or part thereof, found to be faulty in accordance with building code specified durability and performance guidelines, by their specified agent at no cost to the initial buyer/owner of the balustrade system at the discretion of Provista Balustrade Systems.

Balustrade and other Architectural solution Care and Maintenance

Whilst powder coated Aluminium and glass balustrades are low maintenance, they still require regular maintenance checks and cleaning to ensure optimum good looks and safety is achieved for many years.

MAINTENANCE:

Make a 2 monthly schedule to conduct a visual check for any defects, loose fittings and/or glazing rubbers. Report any issues to your local Provista agent immediately.

CLEANING:

Residential non sea zone industrial environments: 3-6month schedule. Hose down air born deposits and residues. Wash down all balustrade and glass with warm water and a small amount of detergent. Rinse with cold tap water. Use a dry towel or chamois to remove excess water. Use a squeegee on glass for the best finish.

Sea zone, industrial areas: 1-2 month schedule, wash down aluminium and glass with warm water and detergent, rinse thoroughly with cold tap water. Use a dry towel or chamois to remove excess water from aluminium and glass. While the use of glass cleaner can be used, a small amount of detergent in water performs just as well with a clean streak free finish. Use a squeegee on glass for the best finish.

AVOID:

1. Washing balustrade and glass in direct sun light or when surfaces are hot.
2. Avoid sunscreens, solvents, alcohol from coming in contact with powder coated surfaces. Wash off immediately with warm water and detergent, should a spill occur.
3. Never use abrasive compounds or materials to clean powder coated or glass surfaces.

"THE CHOICE IS CLEAR"

General Notes

Aluminium

Aluminium has been provided in accordance with NZS 1664 and all aluminium components are powder coated. We note that this is on a time to first maintenance basis.

Reinforced concrete

Compliance with cover and concrete quality requirements for B1/VM1 are in accordance with NZS3101:2006.

Structural timber

The timber has been specified in accordance with NZS3640:2004. The quality of timber treatment is dependent on the QA systems of manufacturers, suppliers and the onsite contractors and sub-contractors. Refer to the contractor's PS3 and QA records where available.

Connections

Stainless steel fixings have been specified throughout in accordance with NZ Building Code B2/AS1 acceptable solution NZS 3604.

Steel structure

Protective coatings have been specified in accordance with AS/NZS 2312:2014 and SNZ TS 3404:2018.