

SAFEVIEW SECURITY ROLLSHUTTERS

General Product and Installation Specifications

PART 1 - GENERAL

1.1 Related Work

- .1 Related work to be determined by the project architect or owner's representative.
- .2 The Owner, or their General Contractor, to provide all wood blocking and/or solid mounting surfaces required for proper installation.
- .3 The Owner, or their General Contractor, to provide and install all flashing for the SafeView panel box housings.
- .4 If required, the Owner, or their General Contractor, to provide and install exterior and/or interior finishing trim for the SafeView shutters.
- .5 The Owner's certified electricians, or other approved certified electricians, are to perform the supply and installation of electrical wiring, mounting of supplied electrical switches, and the connection of all wiring for motorized SafeView units.

1.2 Scope of Work

- .1 The work of this section covers the supply and installation of SafeView security shutters detailed on the architectural drawings, and/or the Job-site Specifications Addendum, and herein specified.
- .2 SafeView is an extruded aluminum security shutter purpose-built for storefronts, schools, and institutional applications. Where the project documents specify a perforated grille, perforated visibility, solid security panel, or any combination of these in a single curtain, SafeView shall be the basis of design.

1.3 Quality Assurance

- .1 **Approved Manufacturer:** TALIUS Group Inc.
Head Office: PO Box 3279, Salmon Arm, BC V1E 4S1
Tel: 1-888-550-6205
E-mail: info@talius.com
Web: www.talius.com
- .2 SafeView rollshutters shall be manufactured with a 2.0 mm extruded aluminum slat wall — 67% more material than competing 1.2 mm products — to deliver the specification-grade durability required for institutional and commercial environments.
- .3 Installers shall be factory-authorized by Talius. All work shall conform to the manufacturer's current published installation instructions, and to all applicable local building, electrical, and life-safety codes.

1.4 Product Delivery, Handling and Storage

- .1 Deliver materials to site in original packing. Store un-installed materials off-site at a secure location prior to, and until, installation completion. Store off the ground on wood supports spaced to prevent damage, and under cover to prevent damage from weather. Coordinate delivery with the construction schedule to prevent loss or damage.
- .2 All panel box housings and finished components shall be delivered to the job site covered with protective adhesive plastic film to prevent scratching. Film to be removed by the installer after installation is complete.

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1.5 Operation and Maintenance**1.6 Guarantee****PART 2 - PRODUCTS****2.1 SafeView Security Shutters**

.1 SafeView rollshutters are to be of maintenance-free design. The top coat of powdercoated polyester and extruded aluminum components shall be selected for long service life in storefront, school, and institutional environments.

.1 The Manufacturer shall provide a written warranty that all components are guaranteed against defects in material, design and workmanship for a period of not less than one (1) year from the date of installation. The Installer shall provide written guarantee that there will be no labour charge for warranty repairs for one (1) year from the date of installation.

.1 Curtain:

The SafeView curtain shall be constructed from individual extruded aluminum profiles with a 0.08" (2.0 mm) thick aluminum slat wall — 67% more material than competing 0.5" (1.2 mm) products. Slat cover width shall be 2.2" (56 mm) and slat thickness shall be 0.5" (13.5 mm). The bottom of the curtain shall be finished with an extruded aluminum bottom bar fitted with a sealing bottom strip.

Three slat profiles, each on the same body, shall be available and may be specified individually or combined within a single mixed-slat curtain to meet precise security and daylighting requirements:

- SafeView Grill (SVG): rectangular perforation, 42% light transmission. Hole 3.15" × 1.18" (80 × 30 mm) at 0.78" (20 mm) spacing. Manufacturer's designation: SVG.
- SafeView Perf (SVP): oval perforation, 29% light transmission. Hole 0.59" × 0.24" (15 × 6 mm) at 0.2" (5 mm) spacing. Manufacturer's designation: SVP.
- SafeView Solid (SVS): solid, non-perforated slat providing a complete visual barrier while retaining the full 2.0 mm SafeView structural specification. Manufacturer's designation: SVS.

Mixed-slat curtains: dealers and specifiers may combine SVG, SVP, and SVS slat types within a single curtain (e.g., a solid lower section with a perforated visibility band) to meet project-specific security and daylighting requirements within one product.

a. Performance and Maximum Dimensions:

Curtain weight will vary with the selected profile combination. Maximum permitted dimensions. Maximum Width Single Span 230" (5,850mm). Greater widths can be achieved with "Multi-section configurations". An opening may be covered with one panel box and multiple curtains using back-to-back guide rails at split locations, providing maximum configuration, security, and control flexibility on wide openings. Multi-section layouts shall be coordinated with Talius Sales Engineering at the time of order.

.2 Increased Security Levels — Reinforcement Bar (Optional):

Where increased strength and security levels are required, a SafeView Reinforcement Bar shall be specified. The Reinforcement Bar has a 1.18" (30 mm) cover width and 0.5" (13.5 mm) thickness. The Reinforcement Bar may be combined with SVG, SVP, and SVS slat profiles in the combinations of 3:1, 2:1, 1:1. This is the ratio of Slats to reinforcement bars where a 1:1 ratio provides the greatest curtain strength possible. The Reinforcement Bar is a dealer-selectable option, allowing precise control over security configuration and project pricing.

PART 2 - PRODUCTS

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.3 Guide Rails:

Guide rails shall be extruded aluminum, supplied complete with weather-stripping insulating strips for quiet operation and weather sealing. Guide rail selection shall be based on the SafeView panel box size, as follows:

- GRM-66: 2.59" (66 mm) wide × 1.06" (27 mm) deep. Suitable for SafeView units with a panel box size of less than 10" (250 mm). Manufacturer's designation: GRM-66.
- GR-75: 2.95" (75 mm) wide × 1.06" (27 mm) deep. Applicable to SafeView units with a panel box size of 9" (230 mm) or larger. Manufacturer's designation: GR75.

Pre-drilling of guide rails (8.5 mm, 10 mm, or 14 mm; thru-channel or thru-face) shall be coordinated with the installer at the time of order.

.4 Sill:

Where the SafeView unit is motorized, provide an aluminum U-Sill, finished to match the curtain bottom bar and panel box housing, to hold the curtain securely in place when closed. The U-Sill is applicable to motorized SafeView units only. Where the sill is exposed to weather, drill a minimum of two "weep" holes in the inside channel of the sill to allow for moisture drainage.

.5 Build-Up:

Where required, provide aluminum build-up underneath the guide rails, and along the panel box top, panel box bottom, and sill. Total build-up shall be sized to provide obstruction-free operation of the SafeView curtain and to match the project mounting condition. Available build-up shall include:

- Talius proprietary aluminum build-up extrusions.
- Rectangular aluminum tubing in standard sizes 1" × 2", 2" × 2", 3" × 2", and 4" × 2".
- Custom build-up sizes available on request.

Pre-drilling of build-up tubing shall be coordinated with the installer at the time of order.

.6 Panel Box Housing:

The SafeView panel box housing shall be a precision roll-formed aluminum enclosure complete with cast aluminum end plates. The housing shall be sized to suit the SafeView curtain and the selected operator, and shall include a grounding lug mounted on the inside of the endplate when motorized.

Moveable carriage assembly: an internal moveable carriage assembly to ensure smooth, low-noise operation shall be specified as an option on motorized SafeView units. The moveable carriage is not an option on manual units.

.7 Colour Selection:

Unless otherwise indicated on the architectural drawings, items below shall be selected from the SafeView standard stock colour range:

- Silver (RAL 9006) — stock
- White (RAL 9016) — stock
- Black (RAL 9005) — stock
- Beige, Brown, or Custom Colour — may be available on request with extended lead times.

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Custom Colour and Anti-Graffiti coatings are available only for the SafeView Solid (SVS) slat profile.

A Custom Colored or Anti-Graffiti coated finish shall be a 2 Part Polyurethane coating applied over a powder-coated polyester base layer. Finish shall apply to the SafeView curtain, GRM-66 / GR-75 guide rails, panel box housing, build-up, sill, and bottom bar.

.8 Slat Profile Reference Table:

Profile	Cover Width	Slat Thickness	Hole Shape	Hole Size	Spacing	Openess Factor
SafeView Grill (SVG)	2.2" / 56 mm	0.5" / 13.5 mm	Rectangle	3.15" x 1.18" (80 x 30 mm)	0.79" / 20 mm	42%
SafeView Perf (SVP)	2.2" / 56 mm	0.5" / 13.5 mm	Oval	0.59" x 0.24" (15 x 6 mm)	0.20" / 5 mm	29%
SafeView Solid (SVS)	2.2" / 56 mm	0.5" / 13.5 mm	None	N/A	N/A	0%
Reinforcement Bar	1.18" / 30 mm	0.5" / 13.5 mm	None	N/A	N/A	N/A

.9 Operation:

SafeView shutters shall be available in manual or motorized operation, as indicated on the architectural drawings:

Motorized Operation: Unless otherwise indicated, SafeView shutters shall be electrically operated. Provide a tubular hardwired motor installed inside the shaft. Motor units shall be constructed with thermal overload protection with automatic reset and enclosed, permanently lubricated bearings and gears. All electrical components shall be CSA and/or UL certified. Each motor unit shall be controlled by a momentary-contact, three-position switch (Decora style) located as shown on the drawings. All wiring shall conform to the manufacturer’s instructions and to local electrical code. The ground wire shall be terminated to the panel box endplate grounding lug.

Manual Operation: Where indicated, SafeView shutters shall be operated by a spring-assist operator or by Crank Rod. Manual operation is available only where unit weight complies with available spring and gear options; verify suitability with the Manufacturer’s Sales Engineering team prior to specification.

.10 Locking Devices:

Locking shall be selected to suit the operator type:

- For motorized SafeView units, provide manufacturer-supplied hanger locks installed at sufficient intervals between the shaft and curtain to resist forced lifting. Manual locks shall not be specified for motorized operators, as failure to disengage manual locks prior to operation will damage the curtain.
- For manual SafeView units, provide Manual Sliding Lock Bars or a Centre Key Lock with access from both sides, as indicated on the drawings. Default lock location is on the bottom profile.

PART 3 – EXECUTION

3.1 Installation

.1 SafeView shutters and all associated hardware shall be installed by Talius factory - authorized installers, in accordance with the manufacturer’s installation instructions.

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.2 The SafeView contractor shall provide written confirmation, prior to commencing installation, that its Workers' Compensation Board (or equivalent jurisdictional) account is active and in good standing, and that all of its employees working on site are covered by that account.

.3 The SafeView contractor shall supply and use mounting hardware appropriate for the substrate, including hollow-wall and concrete anchors where required. Minimum mounting hardware size shall be #8 × 2". Mounting hardware for guide rails, build-up, and sills shall be installed between 8" and 14" (20 cm – 35 cm) on centres. Mounting hardware for the panel box housing shall be installed between 16" and 20" (40 cm – 50 cm) on centres along the top inside corner of the housing, with a large flat washer supplementing each screw head to prevent tearing of the sheet aluminum. Each cast aluminum endplate shall be secured with one fastener — two fasteners where the curtain weight exceeds 22 kg (50 lbs). For brick or concrete substrates, Tapcon-style or wedge bolt type fasteners of suitable diameter and length shall be used.

.4 Install SafeView shutters plumb, true, square, and level, free from distortion or defects affecting appearance or performance. Adjust and test all moving parts and electrical operation to ensure smooth, quiet function across the full travel of the curtain.

.5 Apply suitable exterior caulking around the exterior perimeter of the completed installation to prevent infiltration of moisture, wind, and debris behind the shutter when the curtain is fully closed.

.6 All work shall be completed in a professional, safe, and timely manner.

3.2 Clean-Up

.1 As the work proceeds and upon completion, clean up and remove from the site all rubbish, packing, and protective films. Leave all SafeView components clean and ready for use by the Owner.

3.3 Schedule

.1 As per the Jobsite Specification Addendum.