

# SECURITY SCREENS (VANDAL PANELS™)

## Product and Installation Specifications

### PART 1 - GENERAL

#### 1.1 Related Work

- .1 Related work to be determined by project architect or owner's representative.
- .2 The School District, or their General contractor, to provide all wood blocking and/or solid mounting surfaces required for a proper installation.
- .3 The School District, or their General contractor, to provide and install all Vandal Panels™.
- .4 If required, The School District, or their General Contractor, to provide and install exterior and/or interior finishing trim for the security screens (Vandal Panels™).

#### 1.2 Scope of Work

- .1 The work of this section covers the supply and installation of security screens (Vandal Panels™) detailed on architectural drawings, and/or the Jobsite Specifications Addendum and herein specified.

#### 1.3 Quality Assurance

- .1 **Approved Manufacturer: TALIUS**  
**Head Office: PO Box 3279, Salmon Arm, BC V1E 4S1**  
**Tel: 1-888-550-6205**  
**Website: www.talius.com**  
**E-mail: info@talius.com**

#### 1.4 Products Delivery, Handling and Storage

- .1 Deliver materials to site in shipping crates and 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 construction schedule to prevent loss or damage.

### PART 2 - PRODUCTS

#### 2.1 Security Screens (Vandal Panel™)

- .1 **Panel:**  
 Perforated panels to be made from 3.175 mm (1/8") 3003 H14 aluminum sheet. Perforations to be die punched 6.35 mm (1/4") diameter holes, on 9.53 mm (3/8") centres, with 9.53 mm (3/8") offset rows. Panel openness factor to be 42%. Manufacturer's description: **VANDAL PANEL™**.
- .2 **Frame:**  
 Frame members are to be made from 6065T5 aluminum extrusion with a wall thickness of 1.3 mm (0.050"). Nominal size of the extrusion to be 38 mm wide by 13 mm high (1 1/2" x 1/2"). Frame extrusion to have a 19 mm (3/4") open channel for perforated panel penetration, and 19 mm (3/4") hollow section for hardware mounting. Mounting-side of frame extrusion to incorporate two tracks for slide-on aluminum build-up.
- .3 **Build-Up:**  
 If applicable, provide heavy-gauge aluminum build-up underneath the frame members on all four sides. Width of the build-up to be 35 mm (1 3/8"), depth to be as specified as per the Vandal Panel™ Schedule.

**PART 2 - PRODUCTS***(continued)***.4 Finish:**

All Vandal Panel™ components to be cleaned, acid-etched, chromated and custom-painted with a pure two-component polyurethane paint system, utilizing aliphatic isocyanate reacted with resin polyols. Minimum dry film thickness to 2.5 mil (65 microns). Custom colour to match required job specifications

**.5 Anti-Graffiti Coating**

All Talius Vandal Panels™ shall be coated with Talius non-sacrificial anti-graffiti coating designed to allow for easy clean-up of graffiti from the exposed Vandal Panel™ surfaces. Talius Anti-Graffiti coating is a modified aliphatic-polyurethane coating with enhanced abrasion resistance to provide resistance to chemicals, abrasions and impact. It is a clear coat that provides a gloss finish over stock and custom colors, and offers color retention and a non-stick surface. Anti-Graffiti coating is applied with a dry film thickness of 1.0 – 2.0 mils (25-50 microns). Hardness: ASTM D3363, 2H. Solvent Resistance: ASTM D4752, 100 MEK rubs; NO failure. Abrasion Resistance: 1000 cycles CS-17, ASTM D4060, 32 mg loss. Impact Resistance: ASTM D2794, 40 in lbs; NO failure. Flexibility: ASTM D522, 1/8" mandrel blend; NO failure.

**PART 3 – EXECUTION****3.1 Installation**

- .1 Vandal Panels™ and hardware as described herein shall be installed by approved rollshutter installers. Installers must be factory authorized and installation must proceed in accordance with manufacturer's installation instructions.
- .2 The contractor shall provide written confirmation before commencing installation that its Workers' Compensation Board account is currently active and in good standing, and that all of its employees working on site are covered by the rollshutter contractor's WCB account
- .3 The contractor to supply and use suitable mounting hardware for the mounting surface application, including hollow-wall and concrete anchors, where necessary.
- .4 Install Vandal Panels™ plumb, true, square and level, free from distortion or defects affecting appearance or performance. Adjust and test moving parts to ensure smooth operation.
- .5 All work to 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 and packages. Leave all Vandal Panels™ parts clean.

**3.3 Schedule**

- .1 As per the Jobsite Specification Addendum.