

SECTION 06 41 00  
CONCEALED PANEL TO WALL ATTACHMENT SOLUTIONS

\*This guide specification has been developed by Fastmount, to provide general guidance on specifications of the range of products as outlined. This guide spec covers the Stratlock and Stratlock Rail solution(s).

Fastmount product management and technical teams are available to assist the architect and or specifier, in development final specification in final format.

Please contact: [[support@fastmount.com](mailto:support@fastmount.com)]

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concealed Panel to Wall Attachment Solutions.

1.2 RELATED SECTIONS

- A. Section 05 40 00 – Cold-Formed Metal Framing
- B. Section 06 05 23 – Wood, Plastic and Composite Fastenings
- C. Section 06 25 00 – Prefinished Paneling
- D. Section 06 26 00 – Board Paneling
- E. Section 06 40 23 – Interior Architectural Woodwork.
- F. Section 06 42 00 – Wood Paneling
- G. Section 09 51 13 – Acoustical Panel Ceilings
- H. Section 09 51 14 – Acoustical Fabric Faced Panel Ceilings
- I. Section 09 51 26 - Acoustical Wood Ceilings
- J. Section 09 54 00 – Specialty Ceilings
- K. Section 09 54 26 – Suspended Wood Ceilings
- L. Section 09 54 46 – Fabric Wrapped Ceiling Panels
- M. Section 09 70 00 - Wall Finishes.
- N. Section 09 72 00 – Wall Coverings
- O. Section 09 77 23 – Fabric Wrapped Panels
- P. Section 09 84 00 – Acoustic Room Components
- Q. Section 10 11 43 – Visual Display Wall Panels
- R. Section 10 22 00 – Partitions
- S. Section 10 22 19.23 – Demountable Wood Partitions

- T. Section 10 22 23 - Portable Partitions, Screens and Panels
- U. Section 12 53 00 – Retail Furniture
- V. Section 12 54 00 – Hospitality Furniture
- W. Section 14 27 13 – Custom Elevator Cab Finishes

### 1.3 REFERENCES

- A. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- B. NFPA 286 – Standard Methods for Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. *[for publication and inclusion in specification upon completion of test]*
- C. AC 156 – Seismic Certification by Shake-table Testing and Non-Structural Components *[for publication and inclusion in specification upon completion of test]*

### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
  - 1. Approx 10% of pre-consumer recycled Acetal M90 materials from sprues mixed with virgin material in all the bodies of the Stratlock female parts.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, *including the concealed wall to panel attachment solutions included herein.*
- E. Manufacturer's Certificates: Certify products meet or exceed specified *requirements for performance and testing included herein.*
- F. *[Reach]* and *[ROHS]* certificates available.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

### 1.6 SEQUENCING

- A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
- B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

### 1.7 PROJECT CONDITIONS

- A. Install products in an interior climate-controlled environment.
- B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 QUALITY ASSURANCE

- A. All concealed wall panel attachment solutions specified in this section must be supplied by a company with a minimum of 10 years of experience in the manufacturer and supply of concealed (non-clip solutions as described herein).
- B. Installer Qualifications: A firm with a minimum of 5 years documented experience installation concealed (non-clip solutions as described herein) panel to wall attachment solutions.

PART 2 PRODUCTS

\*Please note – Fastmount is available to consult with and support correct product selection as outlined below. If support is needed, please send a quick email to [support@fastmount.com](mailto:support@fastmount.com) to connect with our technical support teams.

Field Code Changed

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Fastmount [New Zealand]
- B. Basis of Design
  - 1. Fastmount Stratlock Attachment Solution – [SL-FA], [SL-FA-FR], [SL-SFA], [SL-SFA-FR], [SL-FB1], [SL-FB1-FR], [SL-FC], [SL-FC-FR], [SL-SMT1], [SL-M10], [SL-M18], [SL-M18FR] Select as required
  - 2. Fastmount Stratlock Adjustable Wall to Wall and Wall to Ceiling Connector Rail Solution – [SL-RLE], [SL-C-WW90], [SL-C-WC90], [SL-RCF90], [SL-RCA180], [SL-RCAB180] Select as required
- C. No Substitutions

2.2 CLIP HANGERS

- A. System Description:
  - 1. Two -piece interlocking assembly, designed for removable installation of wall panels and other panels without exposed fasteners. System consists of 2 parts with the mechanically attached to back of panel and the longer continuous length attached to wall substrate. Adjustable up to 8mm/ 5/16" in all lateral directions.
  - 2. [Two-Piece interlocking wall to panel attachment assembly] [integrated rail system housing wall panel components of the attachment assembly].
- B. Stratlock Attachment Solution
  - 1. [SL-FA]
    - a. Female Side Mounted Clip
    - b. Adjustability: allow for 3/8" of adjustability or 5/32" in any lateral direction via a two-stage engagement process.
    - c. Material: Acetal
  - 2. [SL-FA-FR]
    - a. Female Side Mounted Fire Rated Clip
    - b. Adjustability: allow for 3/8" of adjustability or 5/32" in any lateral direction via a two-stage engagement process.
    - c. Material: Nylon Grilon ASV0
  - 3. [SL-FB1]

- a. Female Front Mounted Clip
- b. Adjustability: allow for 3/8" of adjustability or 5/32" in any lateral direction via a two-stage engagement process.
- c. Material: Acetal

4. [SL-FB1-FR]

- a. Female Front Mounted Clip
- b. Adjustability: allow for 3/8" of adjustability or 5/32" in any lateral direction via a two-stage engagement process.
- c. Material: Nylon Grilon ASV0

5. [SL M10]

- a. Stratlock Male Clip 10kg
- b. Material: Glass Filled Nylon
- c. Maximum Pull Out Load: 22 lbs.
- d. Maximum Shear Load: 176 lbs.
- e. Maximum Panel Weight/Density Walls: 3 lbs./FT2
- f. Panel Gap: ¼"

6. [SL-M18]

- a. Stratlock Male Clip 18kg
- b. Material: Glass Filled Nylon
- c. Minimum Pull Out Load: 40 lbs.
- d. Minimum Shear Load: 232 lbs.
- e. Maximum Panel Weight/Density Walls: 5 lbs./SF2
- f. Panel Gap: ¼"

7. [SL-M18 FR]

- a. Stratlock Male Clip 18kg Fire Rated
- b. Material: Shinite
- c. Minimum Pull Out Load: 40 lbs.
- d. Minimum Shear Load: 232 lbs.
- e. Maximum Panel Weight/Density Walls: 5 lbs./SF2
- f. Panel Gap: ¼"

8. [SL-SMT1]

- a. Stratlock female Sidemount Clip
- b. Material: Nylon Grilon ASV0
- c. Static load: 110 lbs
- d. Dynamic load: 22 lbs
- e. Suitable for use with PanelSafe parts [PS-150], [PS-150E], [PS-S150E]
- f. Suitable to be used with 3/8" threaded rod for suspended ceilings

[Select above as required]

C. Stratlock Rail System

1. [SL-RLE] – Stratlock Large Extrusion Rail – Horizontal and Vertical Framing
  - a. Compatible with [SL-FA], [SL-FA-FR], [SL-FB1], [SL-FB1-FR] female attachment system, which are compatible with [SL-M10], [SL-M18], and [SL-M18 FR] male clip attachments.
  - b. Also, the [SL-SMT1] Stratlock Female Sidemount Clip
  - c. Extruded 6063-T6 aluminum in accordance with ASTM B 221, mill finish.
  - d. Layout and Configuration: contingent with finish panel requirements, dictated by the design. Load ratings to be confirmed related to the design and structural

engineering review or verification from Fastmount.

2. [SL-C-WW90] – Wall to Wall Connector. The SL-C-WW90-FR provides a 90° fixed joint between the [SL-RLE] groove and profile end when building a wall or ceiling.
  - a. Compatible with [SL-RLE] Extrusion Rail
  - b. Material: Nylon Grilon ASV0
  - c. Layout and Configuration: contingent with finish panel and grid requirements, dictated by the design. Load ratings to be confirmed related to the design and structural engineering review or verification from Fastmount.
3. [SL-C-WC90] – Wall to Ceiling Connector. The SL-C-WC90-FR is a 90° connector that pairs with the SL-RLE to create a wall to ceiling, perpendicular connection.
  - a. Compatible with [SL-RLE] Extrusion Rail
  - b. Material: Nylon Grilon ASV0
  - c. Layout and Configuration: contingent with finish panel and grid requirements, dictated by the design. Load ratings to be confirmed related to the design and structural engineering review or verification from Fastmount.
4. [SL-RCAB180] - Stratlock Adjustable Wall to Wall Connector Rail Solution. Provides a wall-to-wall parallel profile corner connection. Compatible with [SL-RLE] Stratlock Rail System large extrusion.
  - a. Diecast Aluminum Alloy ADC12
  - b. Stock clip size: 4 inches
  - c. Connects with [SL-RCF90]
  - d. Layout and Configuration: contingent up finish panel requirements, dictated by the design. Load ratings to be confirmed related to the design and structural engineering review or verification provided by Fastmount.
  - e.
5. [SL-RCF90] Rail Connector. Provides three connection options 90-degree fixed joint between the SL-RLE and profile end when a building wall combines with [SL-RCAB 180] for wall-to-wall corner connection.
  - a. Diecast Aluminum Alloy ADC12
  - b. Stock clip size: 4 inches
  - c. Layout and Configuration: contingent up finish panel requirements, dictated by the design. Load ratings to be confirmed related to the design and structural engineering review or verification provided by Fastmount.
6. [SL-RCA180] Stratlock Wall to Ceiling Adjustable Corner Connector for Stratlock rail
  - a. Diecast Aluminum Alloy ADC12
  - b. Stock clip size: 2.5 inches
  - c. Connects with [SL-RCF90]
  - d. Layout and Configuration: contingent up finish panel requirements, dictated by the design. Load ratings to be confirmed related to the design and structural engineering review or verification provided by Fastmount.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Complete all finishing operations, including painting, before beginning installation of panel systems.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. General:
  - 1. Install products level and plumb, in full compliance with manufacturer's installation instructions.
  - 2. Follow Installation Instructions as outlined within Fastmount Installation Guides for all panels included herein.
  - 3. Male and Female attached clips and associated layouts need to meet and or exceed load requirements for Fastmount clips and provided in Part 2
- B. [SL-SFA] Female Clips can be seamlessly integrated and installed onto existing framework (upon verification of project specific load requirements) and is suitable for installation on timber, aluminum and steel framework.
  - 1. [Timber] Minimum Thickness: 1"
    - a. Hardware: 2-1" long pan head screws
  - 2. [Aluminum U-Channel] Minimum Thickness: 1/8"
    - a. Hardware: 2-5/8" long pan tek screws
  - 3. [Steel Stud/Steel Framing]
    - a. Hardware: 2-5/8" long pan tek screws
- C. [CP-SL] Center Points can be used in conjunction with all Stratlock female clips, and in conjunction with the full range of male clips included herein and used to ensure alignment between panel and framing.
- D. [Stratlock Rail System] – follow Fastmount installation instructions and recommended hardware.

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

### 3.5 ADJUSTING AND CLEANING

- A. Verify that products are plumb and rigidly secured to substrate; make any adjustments required.
- B. Ensure Stratlock rail is well secured to substrate and shimmed where necessary.

- C. Clean products and immediate areas of installation, using materials and methods recommended by manufacturer. Remove from project site packaging and debris caused by installation.

END OF SECTION

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