

SECTION 07 05 43  
CLADDING SUPPORT SYSTEMS  
LONGBOARD® HITCH™ CLADDING ATTACHMENT SYSTEM

PART 1 - GENERAL

1.1. SECTION INCLUDES

- A. Provide a thermally broken cladding attachment system for the attachment of exterior cladding, installed over exterior continuous insulation and WRB.

1.2. RELATED SECTIONS

- A. 03 30 00 Cast-in-Place Concrete
- B. 03 40 00 Precast Concrete
- C. 04 22 00 Concrete Unit Masonry
- D. 05 40 00 Cold-Formed Metal Framing
- E. 05 41 00 Structural Metal Stud Framing
- F. 06 10 00 Rough Carpentry
- G. 06 11 00 Wood Framing
- H. 06 16 33 Wood Board Sheathing
- I. 06 16 43 Gypsum Sheathing
- J. 07 05 43 Cladding Support Systems
- K. 07 25 00 Weather Barriers
- L. 07 20 00 Thermal Protection
- M. 07 21 13 Board Insulation
- N. 07 21 19 Foamed-In-Place Insulation
- O. 07 21 29 Sprayed Insulation
- P. 07 25 00 Weather Barriers
- Q. 07 42 13 Metal Wall Panels
- R. 07 46 16 Aluminum Cladding
- S. 07 46 19 Steel Cladding
- T. 07 46 63 Fabricated Panel Assemblies with Cladding
- U. 07 62 00 Sheet Metal Flashing and Trim

1.3. REFERENCE STANDARDS

- A. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-22)
- B. ASHRAE 90.1 - Energy Standard for Buildings Except Low-Rise Residential Buildings
- C. IBC - International Building Code (International Code Council): ICC IBC-2021

1.3. SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used.
- B. Provide engineered design for attachment and back-up framing to support the cladding attachment system.
- C. Provide calculations verifying spacing of members, attachment devices and fasteners to support the exterior cladding to deflection limits of L/180 (min.) with a safety factor required by Authority Having Jurisdiction (AHJ).

SECTION 07 05 43  
CLADDING SUPPORT SYSTEMS  
LONGBOARD® HITCH™ CLADDING ATTACHMENT SYSTEM

- D. Submit Shop Drawings for work in this section. Ensure to include size, spacing and location of thermal clips.

1.4. QUALITY ASSURANCE

- A. Installer Qualifications: Minimum of 2 years experience with installation of similar products.
- B. Design Engineer's Qualifications: Design structural supports and anchorages under direct supervision of a licensed Structural Engineer experienced in design for this type of work. Engineering information provided shall be signed and verified by a licensed Structural Engineer.

1.5. WARRANTY

- A. Provide a written guarantee, signed and issued in the name of the owner, covering the cladding attachment system components for 15 (fifteen) years from the date of Substantial Completion.
- B. The manufacturer's warranty is limited to replacement of defective material only, rather than installation of the same. Faulty installation shall be corrected by the installing contractor. The warranty required herein is the sole remedy against the manufacturer and there are no other implied warranties. In any event, the manufacturer shall not be liable for incidentals or consequential damages.

PART 2 - PRODUCTS

2.1. MANUFACTURER

- A. Basis of Design: Longboard Architectural Products,  
#120 - 1777 Clearbrook Rd, Abbotsford, BC, Canada V2T 5X5  
[info@longboardproducts.com](mailto:info@longboardproducts.com)  
<https://www.longboardproducts.com/>  
1.800.604.0343

2.2. PRODUCT REQUIREMENTS

- A. Provide all cladding attachment system components from a single source.
- B. Components:
  - 1. Hitch™ Clip
    - a. SD Clip (1" to 2.5" Exterior Insulation)
    - b. HD Clip (3" to 16" Exterior Insulation)
    - c. HD+ Clip (6" to 16" Exterior Insulation)
  - 2. Hitch™ Girt
    - a. Standard Girt
      - i. 0.75" Girt
      - ii. 1" Girt
      - iii. 1.5" Girt
    - b. Edge Girt

SECTION 07 05 43  
CLADDING SUPPORT SYSTEMS  
LONGBOARD® HITCH™ CLADDING ATTACHMENT SYSTEM

- i. 0.75" Edge Girt
- ii. 1" Edge Girt
- iii. 1.5" Edge Girt
- c. Corner Girt
  - i. 0.75" Corner Girt
  - ii. 1" Corner Girt
  - iii. 1.5" Corner Girt
- d. Bridge Girt
  - i. 0.75" Bridge Girt
  - ii. 1" Bridge Girt
  - iii. 1.5" Bridge Girt
- 3. Hitch™ Installation Accessories
  - a. Girt Adapter
  - b. Girt Connector
  - c. HD Thermal Extension Sleeve
  - d. Piercing Tool

2.3. WEATHER BARRIERS

- A. Refer to Section 07 25 00 - Weather Barriers

2.4. EXTERIOR INSULATION

- A. Refer to Section 07 20 00 - Thermal Protection

2.4. CLADDING

- A. Refer to Section 07 46 16 - Aluminum cladding

PART 3 - EXECUTION

3.1. EXAMINATION

- A. Verification of Conditions: Verify actual site dimensions and location of adjacent materials prior to commencing work. Notify Consultant in writing of any conditions which would be detrimental to the installation.
- B. Do not begin installation until substrates have been properly prepared.
- C. Examine substrates for compliance with installation tolerances of the cladding attachment system.
- D. If substrate preparation is the responsibility of another installer, notify the Architect of unsatisfactory preparation before proceeding.

3.2. ORDERING, DELIVERY, STORAGE AND HANDLING

- A. Conform to manufacturer's ordering instructions and lead time requirements to avoid construction delays.

SECTION 07 05 43

CLADDING SUPPORT SYSTEMS

LONGBOARD® HITCH™ CLADDING ATTACHMENT SYSTEM

- B. Store products in manufacturer's unopened packaging until ready for installation in accordance with manufacturer's recommended guidelines.

3.3. INSTALLATION

- A. Install in accordance with manufacturer's instructions, approved submittals, product technical bulletins, datasheets, install videos and in proper relationship with adjacent construction.
- B. Stud Back-Up: Mark reference points identifying the center line of studs in exterior wall locations at the top and base of walls prior to installation of sheathing or exterior insulation to allow for proper location of the brackets.

**END OF SECTION 07 05 43**