



ClarkDietrich®

ClarkDietrich® Exterior Framing Section 070543 Cladding Support Systems

PART 1 - GENERAL

- A. DELIVERY, STORAGE, AND HANDLING
- B. Protect cold-formed metal framing from corrosion, deformation, and other damage during delivery, storage, and handling as required by AISI S202.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Cold-Formed Steel Framing Standards: Unless more stringent requirements are indicated, framing to comply with AISI S100 and AISI S240.
- B. Design wall systems in consideration of thermal expansion and contraction effects. Include thermal breaks in accordance with pertinent codes and regulations of Authorities Having Jurisdiction.

2.2 CONTINUOUS INSULATION RAINSCREEN FRAMING SYSTEM

- A. Framing Members, General: Comply with AISI S240 for conditions indicated.
- B. Steel Sheet: ASTM A1003/A1003M, Structural Grade, Type H, metallic coated, of grade and coating designation as follows:
 - 1. Grade: ST50H (ST340H).
 - 2. Coating: [CP 90: G90 (Z275), AZ50 (AZM150), or GF45 (ZGF135)] [CP 90: G90 (Z275), AZ50 (AZM150), or GF45 (ZGF135) with black powder coating].
- C. Vented Rainscreen Attachment System: Hat-shaped channel for exterior wall cladding, with pre-punched holes for fastening and vent holes for moisture drainage and air movement. Channel is attached over mineral wool insulation using manufacturer's tested thermally-isolated fasteners.
 - 1. Product: ClarkDietrich; [ProChannel Ci Cladding Support with Grip-Deck TubeSeal® Technology](#).
 - 2. Minimum Base-Steel Thickness: 0.0538 inch (1.37 mm).
 - 3. Channel Depth: 7/8 inch (22 mm).
 - 4. Orientation: [**Horizontal**] [**Vertical**].

2.3 ACCESSORIES

- A. Mechanical Fasteners:
 - 1. Comply with ASTM C 1513; manufacturer's recommended thermally-isolated self-tapping, steel drill fasteners with integral sleeve, for fastening vented rainscreen attachment system to [**cold-formed steel**] [**wood**] structural framing.

- a. Fastener Depth: Coordinate fastener depth with thickness of insulation required.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, conditions, and abutting structural framing for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Ensure air/water barrier is fully installed and cured in accordance with manufacturer's instructions and Project requirements.
- B. Flash and seal all fenestration, transitions, discontinuities, sills, and ledgers in accordance with manufacturer's instructions and project requirements.
- C. Refer to manufacturer's structural span tables for recommended channel and fastener spacing.

3.3 INSTALLATION OF VENTED RAINSCREEN ATTACHMENT SYSTEM

- A. Install vented rainscreen attachment system over studs and continuous mineral wool insulation, in accordance with ASTM C1007, AISI S240, and manufacturer's written instructions, unless more stringent requirements are indicated.
- B. Fasten channels through insulation and sheathing, into structural studs using manufacturer's recommended thermally-isolated fasteners.
- C. Install manufacturer's recommended thermally-isolated fasteners in accordance with system manufacturer's installation guidelines.
 - 1. Comply with requirements for spacing, edge distances, and minimum penetration depth.