

SECTION 070543

RAINSCREEN CLADDING ATTACHMENT SYSTEMS – RIGID INSULATION

PART 1 GENERAL

1.1 SUMMARY

- A. Provide rainscreen cladding attachment system.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Thermal Performance: Submit manufacturer's 3D thermal modeling indicating the clear field thermal derating in proposed wall assemblies.
- C. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
- D. Warranty: Submit manufacturer's standard limited warranty against defects in manufacturing.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Mock-Ups: Provide mock-up as required by Architect to demonstrate quality of workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Rainscreen Cladding Attachment System, Basis-of-Design: Knight Wall Systems ThermaZee System or equal.
 - 1. Description: Non-combustible z-channel, perforated web, front and back flanges of equal length, with attachment holes and thermal isolation continuous between back flange and substrate.
 - 2. Depth: As Indicated [depths from 1.5 – 5 inches]
 - 3. Spacing: Per manufacturer's Professional Engineer's calculations.
 - 4. Configuration: [Horizontal ThermaZee only] [ThermaZee + PanelRail/RevealRail] type.
 - 5. Material: [16 gauge] [18 gauge] ASTM A1046 Zn-Al-Mg coated steel, [standard silver] [black PVDF coated]. Stainless steel available.
 - 6. Thermally Isolated Fasteners: ThermaStop fastener, thermal isolation tube.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged components. Clean and protect work from damage during construction.

END OF SECTION