

MANUFACTURER:
Americlad, LLC
21925 Industrial Boulevard
Rogers, MN 55374
Telephone: (866) 260-4047
Fax: (763) 255-3399
Email: info@americlad.com

**AMERICLAD
AC-10ST
Column Cover
Reveal Joint**

SECTION 05 58 13 STAINLESS STEEL COLUMN COVER REVEAL JOINT SYSTEM

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. The drawings and provisions of the General Conditions, and the sections included under Division 1 specification sections, apply to this section

1.2 SUMMARY

- A. This section includes stainless steel column covers that are used as the exterior and interior cladding

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: provide column cover assemblies capable of withstanding the effects of normal stress from thermal movements and load affects from: wind loads, dead loads, and snow loads; without evidence of permanent defects of the assembly.
- B. System design for a mechanically fastened assembly to substructure
1. Dead Load as required by applicable building code
 2. Live Load as required by applicable building code
 3. Wind Load: uniform pressure (define velocity pressure) of (insert design criteria) pound/square foot, acting inward and outward
 4. Thermal Movements: provide column assemblies that allow for thermal movements to prevent buckling, opening of joints and other thermal effects
- C. Design the column cover for a mechanically fastened assembly to substructure

- D. Design column cover tolerances to manufacturer's standard tolerances
 - E. Column cover to have a maximum allowable deflection of L/180
 - F. Column cover joints will be sealed appropriately using backer rod and approved caulk
 - G. Columns shall perform to ASTM E283, Air Infiltration requirements
 - H. Columns shall perform to ASTM E331, Water penetration requirements
- 1.4 SUBMITTALS**
- A. Product Data: Manufacturer's product literature
 - B. Finish Samples: submit samples for final approval
 - C. Shop Drawings: submit shop drawings showing plans, sections and details
- 1.5 QUALITY ASSURANCE**
- A. Manufacturer Qualifications: Minimum of five years experience in manufacturing of metal column cover products
 - B. Installer Qualifications: Acceptable to manufacturer
- 1.6 DELIVERY, STORAGE AND HANDLING**
- A. Delivery: deliver columns in manufacturer's crates packed for long haul transit
 - B. Storage: store materials in a dry and safe area
 - C. Handling: handle materials to avoid any damage to materials and finishes
- 1.7 WARRANTY**
- A. The contractor must warrant the materials to be free of defects in accordance with the general conditions.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. AMERICLAD, LLC, 21925 Industrial Boulevard, Rogers, Minnesota 55374, Telephone: (866) 260-4047, www.americlad.com
 - 1. AC-10ST Stainless Steel Column Cover Reveal Joint System
- I. Approved equal submitted for approval 10 days prior to bid

2.2 MATERIALS

A. Stainless Sheet: ASTM A 240

1. 304 Alloy
2. 316 Alloy

B. Thickness:

1. Select 16 gauge
2. Select 14 gauge
3. Thicker gauges available, confer with Americlad.

2.3 FABRICATION

A. Tolerances

1. Panel surfaces shall be free of blemishes, scratches or marks caused during fabrication process
2. Roll columns to a true radius with return attachment legs formed to accommodate proper installation

2.4 ACCESSORIES

A. All fasteners shall be stainless steel

2.5 FINISHES

- A. #4 Brushed Finish
- B. #8 Mirror Finish
- C. Textured Metal; confer with Americlad for options

PART 3 – EXECUTION**3.1 PREPARATION**

A. Coordinate drawings, diagrams, and instructions for installation

3.2 INSTALLATION

- A. Install columns plumb and level per shop drawing detailing
- B. Isolation tape or shim shall be installed where dissimilar materials come in contact

3.3 CLEANING AND PROTECTION

A. Clean exposed surfaces after installation per manufacturer's recommendation

END OF SECTION