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**AMERICLAD
AC-20ST
Column Cover
Hairline Joint**

SECTION 05 58 13 STAINLESS STEEL COLUMN COVER HAIRLINE 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 stainless steel 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 cover 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

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 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-20ST Stainless Steel Column Cover Hairline Joint System

- 2.2 Approved equal submitted for approval 10 days prior to bid

2.3 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

2.4 FABRICATION

A. Tolerances

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

2.5 ACCESSORIES

- A. All fasteners shall be stainless steel

2.6 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