

SECTION 05 58 13

COLUMN COVERS

PART 1 – GENERAL

1.01 SUMMARY

A. Section Includes

1. Preformed, pre-finished column covers with a reveal joint, fabricated in round, square, rectangular or oblong configurations.
2. Accessories.

B. Related Sections

1. Section 05 12 00 - Structural Steel
2. Section 06 10 00 - Rough Carpentry
5. Section 07 90 00 - Joint Sealants

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM)

1. ASTM B209: Specification for Aluminum and Aluminum-Alloy Sheet and Plate

1.03 SUBMITTALS

A. Submit the following in accordance with Section 01 00 00:

1. Product Data: Manufacturer's product literature for the panel specified.
2. Shop Drawings: Indicate thickness and dimension of parts, fastening and anchoring methods, and detail and location of joints and gaskets; including joints necessary to accommodate thermal movement.
3. Samples
 - a. 6 samples of each finish in color or colors selected, 3 inch by 5 inch minimum.
4. Affidavit certifying that the material meets the requirements specified.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum of 5 years experience in manufacturing panels similar to those specified.
- B. Installer Qualifications: Acceptable to panel manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the project site in manufacturer's original crating, properly labeled for identification and installation purposes. Store materials in accordance with panel manufacturer's recommendations. Handle materials carefully to avoid damage to panels and finishes.

1.06 WARRANTY

- A. The Contractor shall warrant the materials to be free of faults and defects in accordance with the General Conditions, except that the warranty shall be extended by paint manufacturer's standard multi-year warranty. The warranty shall be in writing and shall be signed by the manufacturer.

PART 2 – PRODUCTS

2.01 MANUFACTURER

- A. Firestone Metal Products / UNACLAD
- B. Other manufacturers seeking approval of their products must comply with requirements of Section 01 00 00 during construction.
- C. Products of other manufacturers will be considered subject to compliance with requirements and approved by architect.

2.02 COLUMN COVER TYPE

- A. UNA-FAB Column Cover Series 100 Reveal Joint System, fabricated from aluminum plate.

2.03 MATERIALS AND FABRICATION

- A. Aluminum Plate: ASTM B209, Aluminum Association specification sheet 3003-H14/3105-H14 for painted finish.
 - 1. Thickness: 0.125 inch.
- B. Fabricate columns to accommodate movement without buckling, failure of joint sealants, undue stress on fasteners, and other detrimental effects.
- C. Roll columns to a true radius with return attachment legs formed to accommodate proper installation.
 - 1. Radius: Refer to Drawings.
- D. Reinforce columns covers with stiffeners where applicable to meet design criteria.

2.04 ACCESSORIES

- A. Fasteners: As recommended by the column cover manufacturer.

2.05 FINISHES

- A. Spray-Applied Fluorocarbon Resin: Hylar 5000®/Kynar 500®.
 - 1. Color: Selected by Architect/Engineer from manufacturer's standard colors.
 - 2. Number of Coats: 2-coat system or as recommended by manufacturer based on color selection.
 - 3. Provide factory applied strippable plastic film for protection during fabrication and installation.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine the areas and conditions under which materials are to be installed and notify the Contractor/Construction Manager in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.
- B. Surfaces to receive column covers shall be even, smooth, sound, clean, dry, and free from defects.

3.02 PREPARATION

- A. Obtain field measurements prior to completion of manufacturing and finishing. When field measurements are not possible, provide method of installation which will allow minor adjustment in the field.

3.03 INSTALLATION

- A. Erect column covers plumb, level, and true.
- B. Anchor column covers securely in place, in accordance with final approved shop drawings.
- C. Space sections to provide uniform joint, ready to receive sealant.

3.04 ADJUSTING AND CLEANING

- A. Repair column covers with minor damage.
- B. Remove column covers damaged beyond repair and replace with new column covers to match adjacent undamaged column covers.
- C. Clean exposed column cover surfaces promptly after installation in accordance with recommendations of column cover and coating manufacturers.
- D. Remove protective film immediately after installation.

...END OF SECTION 05 58 13