



**Columbia Architectural Products**  
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**10722 Tucker Street**  
**Beltsville, MD 20705**

SECTION 05 58 13

COMPOSITE ALUMINUM COLUMN COVERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Composite aluminum column covers and beam wraps.

1.2 RELATED SECTIONS

- A. Section 05 12 00 - Structural Steel.
- B. Section 05 50 00 - Metal Fabrications.
- C. Section 06 10 00 - Rough Carpentry.
- D. Section 07 42 43 - Composite Wall Panels.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings: Shop drawings shall show material type, overall thickness, dimensions, sizes, joints, finishes, attachments and relationship of adjoining work.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
  - 1. Samples shall include a color card of standard colors, or a color standard for special colors.

2. Samples shall include samples of all support materials to be used.
- E. Verification Samples: For each finish product specified, two samples, minimum size 3.5 inches (88.9 mm) square, representing actual product, color, and patterns.
1. Samples shall include a color card of standard colors, or a color standard for special colors.
  2. Samples shall include samples of all support materials to be used.

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer shall use an attachment system that has been used successfully in at least ten projects utilizing systems, materials and techniques as specified.
- B. Installer Qualifications: Installer shall have a minimum of two years experience in the installation of column covers similar to those required for this Project.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until workmanship and color are approved by Architect.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. All materials shall be protected during fabrication, shipment, site storage and erection to prevent damage to the finished work from other trades. Materials to be stored in fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination and other harmful affects.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

#### 1.6 WARRANTY

- A. Finish Warranty: Provide manufacturer's standard finish warranty.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: CAP; Columbia Arcitectural Products, which is located at: 10722 Tucker Street, Beltsville, MD 20705; Tel: 301-937-4383; Email: [tec.pan@verizon.net](mailto:tec.pan@verizon.net) Web: [www.tecpan.com](http://www.tecpan.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.
1. Other systems may be submitted for approval as provided for in the specification at least ten working days prior to submission of bids. Companies desiring to submit a proposal shall submit all descriptive information of the system proposed including photographs and shop drawings of at least three projects similar in detail and scope.

#### 2.2 ALUMINUM COMPOSITE SYSTEM

- A. Column Cover System: CAP Aluminum Composite Column Cover with reveals.
  - 1. Material: ALPOLIC or Reynobond composite panels, aluminum sheet facing.
    - a. Core: PE (Standard core).
    - b. Core: FR (Fire-rated core).
  - 2. Material Thickness: 4 mm (0.157 inch).
  - 3. Material Thickness: As required based on application and core composition.
  - 4. Finish: Factory baked-on PVDF finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected from manufacturer's standard colors.
  - 5. Fabrication:
    - a. Height up to 16 feet (4876.8 mm) without concealed horizontal joints.
    - b. Vertical reveal as indicated and slight vertical construction joint.
    - c. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
    - d. Concealed fasteners only.
    - e. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
    - f. Recessed horizontal reveals at all construction joints at locations indicated on the Drawings.
    - g. Horizontal butt joints.
    - h. Height up to twelve feet without concealed horizontal joints.
    - i. Vertical reveal as indicated and slight vertical construction joint.
    - j. Concealed fasteners only.
    - k. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
    - l. Recessed horizontal reveals at all construction joints at locations indicated on the Drawings.
    - m. Horizontal butt joints.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation. Inspect column covers prior to installation for dents, scratches or other defects.

### 3.3 INSTALLATION

- A. Install column covers in accordance with manufacturer's written instructions and shop drawings.
- B. Erect column covers plumb, level, square, true to line, securely anchored and in proper alignment and relationship to work of other trades.

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Remove protective covering immediately after installation to prevent adhesive transfer.

- C. Clean all surfaces following installation.
- D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION