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# MG Column Covers

## Section 05750

### **PART 1 – GENERAL**

#### **1.1 SECTION INCLUDES:**

- A. Plate metal column covers and beam wraps
- B. Composite aluminum column covers and beam wraps

#### **1.1 RELATED SECTIONS:**

- A. Section 05120 - Structural Steel
- B. Section 05500 - Metal Fabrications
- C. Section 06100 - Rough Carpentry

#### **1.2 SUBMITTALS:**

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, including:
  - a. Preparation instructions and recommendations.
  - b. Storage and handling requirements and recommendations.
  - c. 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.
  - a. Samples shall include a color card of standard colors, or a color standard for special colors.
  - b. Samples shall include samples of all support materials to be used.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
  - a. Samples shall include a color card of standard colors, or a color standard for special colors.
  - b. Samples shall include samples of all support materials to be used.

#### **1.3 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 ten years of 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.
  - a. Finish areas designated by Architect
  - b. Do not proceed with remaining work until workmanship and color are approved by Architect.



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#### **1.4 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 effects.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

#### **1.5 WARRANTY:**

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

### **PART 2 – PRODUCTS**

#### **2.1 MANUFACTURERS:**

- A. Acceptable Manufacturer: MG McGrath, Inc.  
1387 East Cope Ave; Maplewood, MN 55109 | Tel: 651.704.0300 | Fax: 651.704.9989 |  
Email: info@mgmcgrath.com | Web: www.mgmcgrath.com
- B. Substitutions: Not Permitted.

#### **2.2 ALUMINUM COMPOSITE SYSTEM:**

- A. Column Cover System: MG McGrath Inc. – MG-CC10 hook-on type.
  - a. Material: Alucobond or Reynobond composite panels, aluminum sheet facing.
    - i. Core: Standard core.
    - ii. Core: Fire-rated core.
  - b. Finish: Factory baked-on PVDF finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected by architect
  - c. Fabrication:
    - i. Height up to twelve feet (3658 mm) without concealed horizontal joints.
    - ii. Slight vertical joint.
    - iii. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
    - iv. Concealed fasteners only.
- B. Column Cover System: MG McGrath Inc. – MG-CC20 with reveals.
  - a. Material: Alucobond or Reynobond composite panels, aluminum sheet facing.
    - i. Core: Standard core.
    - ii. Core: Fire-rated core.
  - b. Material Thickness: 4 mm (0.157 inch).
  - c. Material Thickness: 6 mm (0.236 inch).
  - d. Material Thickness: As required based on application and core composition.
  - e. Finish: Factory baked-on PVDF finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected by architect



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- f. Fabrication:
  - i. Height up to twelve feet (3658 mm) without concealed horizontal joints.
  - ii. Vertical reveal as indicated and slight vertical construction joint.
  - iii. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
  - iv. Concealed fasteners only.

### **2.3 METAL PLATE SYSTEM:**

- A. Column Cover System: MG McGrath Inc. – MG-CC10 hook-on type.
  - a. Material: Aluminum sheet, 3003 alloy, 0.125 inch (3.2 mm) thick.
  - b. Material: Aluminum sheet, 5005 alloy, 0.125 inch (3.2 mm) thick.
  - c. Material: Stainless steel sheet, Type 304, 16 gauge (1.519 mm) thick.
  - d. Material: Specialty metals as scheduled. Refer to the Drawings.
  - e. Aluminum Finish, Alloy 5005: Anodized finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected by architect
  - f. Aluminum Finish, Alloy 3003: Factory baked-on PVDF finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected from manufacturer's standard colors.
  - g. Stainless Steel Finish: Factory applied mirror finish.
  - h. Stainless Steel Finish: Factory applied brushed finish.
  - i. Finish: As indicated on the Drawings.
  - j. Fabrication:
    - i. Height up to twelve feet without concealed horizontal joints.
    - ii. Slight vertical construction joint.
    - iii. Concealed fasteners only.
    - iv. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
    - v. Recessed horizontal reveals at all construction joints at locations indicated on the Drawings.
    - vi. Horizontal butt joints.
- B. Column Cover System: MG McGrath Inc – MG-CC20 with reveals.
  - a. Material: Aluminum sheet, 3003 alloy, 0.125 inch (3.2 mm) thick.
  - b. Material: Aluminum sheet, 5005 alloy, 0.125 inch (3.2 mm) thick.
  - c. Material: Stainless steel sheet, Type 304, 16 gauge (1.519 mm) thick.
  - d. Material: Specialty metals as scheduled. Refer to the Drawings.
  - e. Aluminum Finish, Alloy 3003: Anodized finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected from manufacturer's standard colors.
  - f. Aluminum Finish, Alloy 5005: Factory baked-on PVDF finish, applied per AAMA standards, free of scratches and blemishes. Color to be selected from manufacturer's standard colors.



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- g. Stainless Steel Finish: Factory applied mirror finish.
- h. Stainless Steel Finish: Factory applied brushed finish.
- i. Finish: As indicated on the Drawings.
- j. Fabrication:
  - i. Height up to twelve feet without concealed horizontal joints.
  - ii. Vertical reveal as indicated and slight vertical construction joint.
  - iii. Concealed fasteners only.
  - iv. Recessed horizontal reveals at the top and bottom as indicated on the Drawings.
  - v. Recessed horizontal reveals at all construction joints at locations indicated on the Drawings.
  - vi. 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.