

GUIDELINE SPECIFICATIONS

GORDON eConnect¹ METAL COLUMN COVERS / ENCLOSURES DIVISION 05 7500 or DIVISION 09 2000

Note To Specifier: Column Covers / Enclosures are a finished, decorative product and should be installed by tradesmen that are experienced in handling finished products. Column Covers shall be specified in Division 9-Finishes or Division 5-Metals.

PART 1-GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specifications Sections apply to this Section.

1.2 SUMMARY

- A. This section includes Metal Column Covers as shown on drawings.
- B. Related Sections include the following:

1.3 SUBMITTALS

- A. Manufacturer's Literature and Data:
 - 1. Product Data: Submit manufacturer's technical data and brochures for each type of column cover required.
- B. Shop Drawings:
 - 1. Shop drawings shall show dimensions, sizes, thickness, alloys, tempers, finishes, joining, attachments, and relationship of adjoining work.
- C. Samples:
 - 1. Samples shall include a piece of each type of metal and finish as specified.
- D. Certification:
 - 1. Submit certificates from manufacturer of panels attesting that products comply with specified requirements including finish as specified.
- E. Qualification Data:
 - 1. Firms specified in "Quality Assurance" Article must demonstrate their capabilities and experience by including lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.4 QUALITY ASSURANCE

- A. Manufacturer: Firm with manufacturing and delivery capacity required for the project, shall have successfully completed at least ten projects within the past five years, utilizing systems, materials and techniques as herein specified.

¹ eConnect System is Patent Pending

- B. Fabricator must own and operate its own manufacturing facilities for all metal components. "Stick Built" or "Kit of Parts Systems" consisting of components from a variety of manufacturers will not be considered or accepted.
- C. Manufacturer/Fabricator must own and operate its own Painting and Finishing facility to assure single source responsibility and quality control.

1.5 DELIVERY, STORAGE & HANDLING

All material shall be protected during fabrication, shipment, site storage and erection to prevent damage to the finished work from other trades. Store column covers inside a well-ventilated area, away from uncured concrete and masonry, and protected from weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Decorative Metal Column Covers / Enclosures shall be manufactured by Gordon Interior Specialties Division, Gordon, Inc., 5023 Hazel Jones Road, Bossier City, LA 71111, (800) 747-8954, Fax (800) 877-8746, www.gordoninteriors.com, sales@gordoninteriors.com.
- B. The listed manufacturer shall not be construed as closing specifications to other prospective manufacturers, but rather as establishing a level of quality in a metal system. Other systems may be submitted for approval as provided for in the specification at least 10 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 MATERIALS

- A. eConnect¹ Metal Column Covers / Enclosures shall be a complete Gordon, Inc. system. All secondary posts, anchors, clips and extrusions are to be provided as complete package of this work. No exposed fasteners for metal closures are allowed.
 - B. General: Provide metals free from surface blemishes where exposed to view in finished unit. Surfaces exhibiting pitting, seam marks, roller marks, stains, discolorations, or other imperfections on finished units are not acceptable. All metal shall be of the highest grade, commercial type.
 - C. Material shall be the following:
 - 1. Aluminum, 3003-H14, minimum 0.090" thickness [ASTM B 209 (ASTM B 209M)]
- OR
- 2. Stainless Steel Type 304 or 304L or 316 or 316L, complying with ASTM A240 (Polished #8, Brushed #4, Polished #7), 16 gauge minimum

OR

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3. Galvaneal Steel, minimum 16 gauge, G90 hot dipped galvanized, extra smooth spangle (ASTM A 653/A 653M-99)

OR

4. MILLENNIUM® perforated material, 0.063" thickness Aluminum 3003-H14 [ASTM B 209 (ASTM B 209M)]

2.3 FABRICATION

- A. Height of Covers / Enclosures shall be up to 12'-0" without horizontal joints.
- B. Column Covers / Enclosures shall have either a closed or reveal horizontal or vertical joint, as shown on the architectural drawings. All other details including base and ceiling details shall be fabricated in accordance with the architectural drawings.
- C. Column Covers / Enclosures shall be manufactured true to geometry as shown on plan view of the architectural drawings with manufacturing tolerances.
- D. Column Covers / Enclosures shall be manufactured in round (full, three-quarter, half, quarter), Oval, Elliptical, or Square configurations.
- E. Diameter should be a minimum of 14" for aluminum and 18" for steel / stainless steel.
- F. eConnect¹ system:
 1. Covers / Enclosures shall be fabricated with return flanges at the vertical joints for structural strength.
 2. eConnect¹ connection components shall be provided and factory attached to the column covers at specified intervals to allow for complete accessibility without tools or exposed fasteners. A clearance of $\frac{3}{4}$ " is required at the top for installation.
 3. In those cases where access is restricted to authorized personnel, a locking method at the top will be provided.

All covers shall be removable, demountable, and re-usable without exposed fasteners.

2.4 FINISHES

- A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
- B. Factory applied ACROGUARD® High Performance Powder Coat finish.
 1. All Column Covers shall receive a micro-etched pretreatment prior to receiving an electrostatically applied ACROGUARD® High Performance Powder Coat finish.

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2. All exposed surfaces must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.
 3. Paint to be selected from standard colors (or approved custom color).
- B. Factory applied ACROGUARD®-UVX Exterior Powder Coat finish.
1. All Column Covers shall receive a micro-etched pretreatment prior to receiving an electrostatically applied ACROGUARD®-UVX Exterior Powder Coat finish.
 2. All exposed surfaces must be coated. Finish shall be cured and oven baked to insure paint adhesion and uniform surface hardness.
 3. Paint to be selected from standard colors (or approved custom color).
- C. GreenWood™ – Wood Grain Films to be selected from standard options.
- D. High Performance Organic Coating Finish: AA-C12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical finish: acid chromate-fluoride-phosphate conversion coating; Organic Coating: as specified below). Prepare, pre-treat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturer's instructions.
1. Fluoropolymer Coating System: Manufacturer's standard 2, 3, or 4 -coat thermo-cured system composed of specially formulated inhibitive primer, fluoropolymer color coat, and clear fluoropolymer topcoat, with both color coat and clear topcoat containing not less than 70% polyvinylidene fluoride resin by weight; complying with AAMA 605.2.
 2. Aluminum shall receive a factory applied and baked finish of 70% polyvinylidene fluoropolymer (PVDF) resin (Kynar® or Hylar®) OR If aluminum is to be field painted (Floated System), it should receive a factory-applied primer paint pre-treatment in Gordon Standard White (VX-132).

Kynar® is a registered trademark of ATOFINA.
Hylar 5000® is a registered trademark of Ausimont Montedison Group.
 3. Color & Gloss: To be selected from manufacturer's standard available.
- E. Apply finish to post-fabricated aluminum or galvanized sheet.

PART 3-EXECUTION

3.1 INSTALLATION

- A. Install Column Covers / Enclosures in accordance with manufacturer's written installation instructions and shop drawings.
- B. Column Covers / Enclosures shall be erected plumb, level, square, true to line, securely anchored, and in proper alignment and relationship to work of other trades. Exterior joints are to be sealed by installer with backer rods and sealant.
- C. Column Covers / Enclosures shall be inspected before installation to be free from dents, scratches, and other defects.

3.2 CLEANING

- A. Removal of protective covering shall occur immediately after installation to prevent adhesive transfer.
- B. Clean all surfaces following installation.
- C. Maintenance per manufacturer's finish maintenance instructions.

3.3 PROTECTION

- A. Protection of column covers from damage by other trades after installation to be provided by general contractor.

3.4 GENERAL RESPONSIBILITY

- A. Variation from specification: Any variation from this specification resulting in additional cost to any other contractor or subcontractor on this project shall be the sole financial responsibility of the contractor for the work of this section.