

GORDON eCONNECT™ METAL COLUMN COVERS

Section 05 58 13

PART 1 – GENERAL

1.01 SECTION INCLUDES:

- A. This section includes Metal Column Covers as shown on Drawings.
- B. Related sections include the following: (List applicable sections)

1.02 RELATED DOCUMENTS/SECTIONS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions.
- B. Division 1 Specification sections apply to work of this Section.
- C. Finish Schedule or Finish Legend apply to work of this Section.

1.03 REFERENCES:

- A. GENERAL
 - 1. Comply with applicable requirements of the following, except where more stringent requirements are indicated by building codes.

1.04 DESIGN/PERFORMANCE REQUIREMENTS:

- A. All components of the Gordon, Inc. eConnect™ Metal Column Covers shall be provided by one (1) Manufacturer to ensure single source responsibility and quality control.

1.05 SUBMITTALS:

- A. Submission must be made within ten (10) working days of the General Contract Award to avoid project delay.
- B. Product Data: Submit Manufacturer's technical data and brochures for each type of Column Cover required.
- C. Shop Drawings shall show dimensions, sizes, thickness, finishes, joining, attachments, and relationship of adjoining work.
- D. Samples:
 - 1. Samples shall include a 5" x 7" piece of each type of metal and finish as specified.
- E. Sustainability:
 - 1. Gordon, Inc.'s eConnect™ Metal Column Covers contribute to the following LEED Credits:
 - a. Materials and Resources
 - i. Building Life-Cycle Impact Reduction
 - ii. Building Product Disclosure and Optimization – Environmental Product Declarations
 - iii. Building Product Disclosure and Optimization – Sourcing of Raw Materials

- iv. Building Product Disclosure and Optimization – Material Ingredients
 - v. Construction and Demolition Waste Management
 - b. Indoor Environmental Quality
 - i. Low-Emitting Materials
 - ii. Acoustic Performance (when required)
 - c. Innovation
 - i. Innovation
 - ii. LEED Accredited Professional
 - 2. Detailed explanation of LEED Credits and Gordon, Inc.’s Contribution can be located at <http://www.gordon-inc.com/company/sustainability/>.
- F. Certification:
- 1. Submit certificates from Manufacturer of Column Covers attesting that products comply with specified requirements, including finish, as specified.
- G. 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.

1.06 QUALITY ASSURANCE:

- A. Manufacturer: Firm with manufacturing and delivery capacity required for the project, shall have successfully completed at least ten (10) projects within the past five (5) years, utilizing systems, materials, and techniques as herein specified.
- 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.

1.07 PRODUCT 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. Store Column Covers inside a well-ventilated area, away from uncured concrete and masonry, and protected from the weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

1.08 WARRANTY:

- A. Furnish manufacturer's:
 - 1. Warranty that materials furnished will perform as specified for a period of not less than one (1) year from date of material shipment when installed in accordance with Manufacturer’s recommendations.
 - 2.

PART 2 - PRODUCTS

2.01 MANUFACTURERS:

- A. Acceptable System: Gordon, Inc. eConnect™ Metal Column Covers shall be manufactured by Gordon, Inc. For all inquiries contact, Gordon, Inc., 5023 Hazel Jones Road, Bossier City, LA 71111, (800) 747-8954.
- 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 specifications at least ten (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 (3) projects similar in detail and scope.

2.02 PRODUCT CONSTRUCTION:

- A. Materials:
 - 1. eConnect™ Metal Column Covers shall be a complete Gordon, Inc. system. All secondary posts, anchors, clips, and extrusions are to be provided as a complete package of this work. No exposed fasteners for Column Covers are allowed.
 - 2. 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.
 - 3. Material shall be the following:
 - a. Aluminum, 3003-H14, minimum 0.090", 0.125" thickness [ASTM B 209 (ASTM B 209M)]. OR
 - b. Stainless Steel Type 304 or 304L or 316 or 316L, complying with ASTM A240 (Polished #8, Brushed #4, Polished #7), 18 Gauge minimum. OR
 - c. Galvaneal Steel, minimum 18 Gauge [ASTM A 653 (A 653M-99)]. OR
 - d. MILLENNIUM® perforated material, 0.063" thickness Aluminum 3003-H14 [ASTM B 209 (ASTM B 209M)].

2.03 FINISHES:

- A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
- B. Aluminum - Factory finishing is to be supplied to match Custom Color and gloss specifications or Standard Colors as required. Factory finish is a 5-stage pretreatment with dried-in-place conversion coating followed by an AAMA 2604 compliant powder coating. Alternate finishes shall be chosen from the Manufacturer's standard paint finish selection (Custom Colors or other types of paint are available) including:
 - 1. Powder Coating – AAMA 2605 compliant
- C. Galvaneal Steel - Factory finishing is to be supplied to match Custom Color and gloss specifications or Standard Colors as required. Factory finish is a multi-stage pretreatment followed by a super-durable polyester powder coating.

2.04 FABRICATION:

- A. Height of eConnect™ Column Covers shall be up to 12'-0" without horizontal joints.

- B. eConnect™ Column Covers 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. eConnect™ Column Covers shall be manufactured true to geometry as shown on plan view of the Architectural Drawings with manufacturing tolerances.
- D. eConnect™ Column Covers shall be manufactured in round (full, three-quarter, half, quarter), oval, elliptical, conical, or square/rectangular configurations.
- E. Diameter should be a minimum of 14” for aluminum; and 18” for steel and stainless steel.
- F. For eConnect™ System:
 - 1. Covers shall be fabricated with return flanges at the vertical joints for structural strength.
 - 2. eConnect™ Connector Clips 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 3/4” is required at the top for installation and accessibility.
 - 3. In those cases where access is restricted to authorized personnel, a locking method at the top will be provided.
 - 4. All Covers shall be removable, demountable, and reusable without exposed fasteners.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. Examine Columns scheduled to receive Column Covers for unevenness or irregularities that would affect quality and execution of work. Notify Contractor in writing of any unsatisfactory conditions.

3.02 PREPARATION:

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the Manufacturer to achieving the best result for the project conditions.

3.03 INSTALLATION:

- A. Install Column Covers in accordance with Manufacturer’s written Installation Instructions and Shop Drawings.
- B. Column Covers 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 shall be inspected before installation to be free from dents, scratches, and other defects.
- D. Space Enclosure: Do not install any work until space is enclosed and weatherproofed, wet-work in space is completed and nominally dry, work above ceilings is complete, and

temperature and humidity shall be continuously maintained at values near those of final occupancy.

3.04 CLEANING:

- A. Removal of protective covering shall occur immediately after installation to prevent adhesive transfer.
- B. Follow Manufacturer's cleaning instructions for specified finish.

3.05 PROTECTION:

- A. Protection of Column Covers from damage by other trades after installation to be provided by General Contractor.

END OF SECTION