

SECTION 055813 COLUMN COVERS

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. Work of this Section includes all labor, materials, equipment, and services necessary to complete the column covers as shown on the drawings and/or specified herein.

1.3 RELATED WORK

- A. Structural Steel - Section 051200.

1.4 QUALITY ASSURANCE

- A. Qualifications of Installers
 - 1. The subcontractor shall have a record of successful installations of similar products acceptable to the Architect and shall be currently approved by the manufacturer of the column covers.
 - 2. For the actual fabrication and installation of all components of the system, use only personnel who are thoroughly trained and experienced in the skills required and completely familiar with the requirements established for this work.
- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 - 1. Build mockups of typical column covers.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 SUBMITTALS

- A. Shop Drawings: Submit completely dimensioned layouts for all areas where metal column covers are required, showing:
 - 1. Dimensions, sizes and types of units.
 - 2. Trim and accessories.
 - 3. Details of construction and installation at all conditions.
 - 4. Materials, gauges, thicknesses and finishes.
- B. Samples: Prepare and submit samples in the following sizes:
 - 1. Column cover, full cross section by 12'-0" high, including a horizontal joint.
 - 2. Each type of trim and accessories, full size.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver column covers wrapped in protective coverings and strapped together in suitable packs or in heavy-duty cartons. Remove protective coverings before they stain or bond to finished surfaces.
- B. Handle products carefully to avoid damaging units in any way

PART 2 - PRODUCTS

2.1 SHEET METAL

- A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections where exposed to view on finished units.

2.2 COLUMN COVERS

- A. Manufacturers: Provide "Series 3000" reveal-joint column covers as manufactured by Centria or comparable product by PAC-Clad (Petersen Aluminum Company), ATAS International, Inc., or approved equal.
 - 1. Galvanized Steel Sheet: Zinc-coated (galvanized) steel sheet meeting ASTM A653, G90, structural steel, 16 gauge, smooth surface, coil-coated in conformance to ASTM A755.
 - 2. Butt Joint and Reveal Type Column Covers: Form column covers from metal substrate indicated, with vertical edges formed with return leg stiffener configured with tight butt joint. Form vertical and horizontal joints as specified, in locations indicated on drawings.
 - a. Column Cover Shape: Circular.
 - b. Substrate: Metallic-coated steel sheet.
 - c. Horizontal Joints: 5/8" wide by 3/4" deep reveal.
 - d. Vertical Joints: Hairline V-joint with keyhole connection.
 - e. Finish: Fluoropolymer three-coat system.
 - f. Color: Match Architect's custom color.
 - g. Exposed Trim and Fastener Finish: Match column cover finish.

2.3 ACCESSORIES

- A. Provide manufacturer's recommended fasteners, shims, sealants, and gaskets required for a complete installation.
- B. Stiffeners: Manufacturer's standard stiffeners and joint backing as required for installation.
- C. Fasteners: Provide self-tapping screws, bolts, nuts, self-locking rivets and bolts, and other suitable fasteners as required for installation.
 - 1. Concealed Fasteners: Corrosion-resistant, as recommended by column cover manufacturer for application.
- D. Sealants: Type recommended by column cover manufacturer for application, meeting requirements of Division 07 Section "Joint Sealants."
- E. Sound Deadening Insulation: Unfaced, mineral-fiber blanket insulation complying with ASTM C 665, Type I, and passing ASTM E 136 test.

2.4 FABRICATION, GENERAL

- A. Fabricate column covers and accessories at factory using manufacturer's standard procedures and processes to minimize field splicing and assembly. Form metal to indicated profiles in maximum sizes to minimize joints. Form bent metal corners to the smallest radius possible without causing grain separation or otherwise damaging the work.
- B. Coordinate dimensions and attachment methods of column covers with those of adjoining construction to produce integrated assemblies with closely fitting joints and with edges and surfaces aligned unless otherwise indicated.
- C. Form metal to profiles indicated, in maximum lengths to minimize joints. Produce flat, flush surfaces without cracking or grain separation at bends.

2.5 FINISHES, GENERAL

- A. Complete mechanical finishes of flat sheet metal surfaces before fabrication where possible. After fabrication, finish all joints, bends, abrasions, and other surface blemishes to match sheet finish.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Apply organic and anodic finishes to formed metal after fabrication unless otherwise indicated.
- D. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 GALVANIZED STEEL FINISH

- A. Prepare surfaces by cleaning to remove contaminants and apply conversion coating compatible with specified organic coating.
- B. High-Performance Organic Finish: Three-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 1. Color and Gloss: As selected by Architect from manufacturer's standard finishes.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the areas where column covers are to be installed and notify the Architect of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.

3.2 INSTALLATION

- A. Locate and place column covers plumb and in alignment with adjacent construction. Perform cutting, drilling, and fitting required to install column covers.
- B. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required.
- C. Use concealed anchorages where possible.
- D. Form tight joints with exposed connections accurately fitted together. Provide reveals and openings for sealants and joint fillers as indicated.
- E. Corrosion Protection: Apply bituminous paint or other permanent separation materials on concealed surfaces where metals would otherwise be in direct contact with substrate materials that are incompatible or could result in corrosion or deterioration of either material or finish.

3.3 CLEANING AND PROTECTION

- A. Clean exposed surfaces of metal units and of trim; comply with manufacturer's instructions for cleaning and touch-up of minor finish damage. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage, including dented and bent units.
- B. Protect finishes from damage during construction period. Remove temporary protective coverings at time of Substantial Completion.

END OF SECTION 055813