

Guideline Specifications

GORDON EXTRUDED ALUMINUM LIGHT COVE
DIVISION 09250

Note to Specifier: Aluminum Light Cove is a decorative functional product that is finished in the factory or field. They may be specified on Division 09250 – gypsum board, framing & accessories; or 09510 – Acoustical Ceilings.

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This section includes Metal (ceiling or wall panels or baffle systems) as shown on the drawings
- B. Related Sections include the Following: (list applicable sections)

1.3 SUBMITTALS

- A. Manufacturer's Literature and Data:
 - 1. Product Data: Submit manufacturer's technical data and brochures for each type of specified component including detail drawings, and installation instructions.
 - 2. Shop drawings shall show dimensions, sizes, thickness, alloys, tempers, finishes, joining, attachments, and relationship of adjoining work.
- B. Samples:
 - 1. Samples shall include three, 6" pieces of each type of aluminum light cove and finish as specified and accessories.
- C. Certification:
 - 1. Submit certification from manufacturer of accessory attesting that products comply with specified requirements including finish as specified.
- D. 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.

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

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Light Coves shall be manufactured by Gordon Interior Specialties Division, Gordon, Inc., P.O Box 4347, Shreveport, LA 71134, (800) 747-8954, Fax (800) 877-8746.
- 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 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. Extruded aluminum light cove manufactured from alloy 6063-T5 (ASTM B 221, ASTM B 221 M).
- B. Accessories: Manufacturer's standard inserts, support brackets, alignment devices, splices and end closures will all be furnished as a complete package with single source responsibility.
- C. General: Provide metals free from surface blemishes where exposed to view in finished unit. Surfaces that exhibit pitting, seam marks, roller marks, stains, and discolorations, or other imperfections on finished units are not acceptable. All metal shall be of the highest – grade commercial type.

2.3 FABRICATION

- A. Provide extruded aluminum light coves of design, profile and function as indicated. Select light coves to suit width and depth in 10'0" lengths to reduce the number of end joints.
- B. Provide pre-welded, mitered corners where light cove changes direction or abuts other trims. Include end closures and alignment devices to provide tight joints.
- C. Provide splice plates and accompanying thumbscrews to properly secure joints to prevent gapping and insure alignment. Exposed attachments are not acceptable. Gaps at joints are not acceptable when light coves are abutted end to end.

- D. Provide mounting brackets designed to conform to the light coves as required and spaced 4'-0" (maximum) on center.
- E. Light Coves must be perforated with a minimum of .0375 square inches per lineal foot of flange to properly bond with the bedding compound and drywall.
- F. All attachment flanges are perforated to allow attachment to the structure of a minimum of 8" on center.

2.5 FINISHES

- A. All material shall be furnished and finished with an Alodine Chromate Conversion coating suitable for priming and painting in the factory or field.

OR

- A. All Light Coves shall be supplied with a sprayed water-borne, cross-linked baked acrylic finish.
- B. Color is to be (list standard color and number). Custom Acrylic finish is to match _____.
- C. All finishes shall meet or exceed all Clean Air Standards for EPA or State, and be USDA approved.

PART 3 – EXECUTION

3.1 INSPECTION

- A. Examination of Surfaces: Installer must examine conditions under which work is to be performed and must notify contractor in writing of unsatisfactory conditions.
- B. Verify that field measurements and block-out dimensions are as shown on shop drawings.

3.2 INSTALLATION

- A. General: Comply with manufacturer's printed instructions, with governing regulations for Seismic Codes, and with the Ceiling & Interior Systems Construction Association standards applicable to work.
- B. Install all system including suspension in compliance with ASTM C636-92, with hangers supported only from building structural members.

3.3 CLEANING

- A. Clean all surfaces following installation. If necessary use only a mild soap or detergent solution such as TSP-90 or Ivory.
- B. Replace coves having scratches, abrasions, or other defects with unblemished coves.
- C. Maintenance per manufacturer's finished maintenance instructions.

3.4 PROTECTION

- A. Protection of Light Cove Systems from damage by other trades after installation to be provided by general contractor.

3.5 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.