

GORDON FIN MATE LINEAR FIN BAFFLE CEILING SYSTEM

SECTION 09 54 00

PART 1 – GENERAL

1.01 SECTION INCLUDES:

- A. This section includes extruded aluminum linear baffle ceiling system as shown on the drawings.

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.
- B. ASTM (American Society for Testing and Materials)
 - 1. ASTM C635, Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
 - 2. ASTM C636, Recommended Practice for Installation of Metal Suspension System for Acoustical Tile and Lay-In Panels.
- C. CISCA Ceiling Systems Installation Handbook.

1.04 DESIGN/PERFORMANCE REQUIREMENTS:

- A. All components of the Gordon, Inc. extruded aluminum Fin Mate Linear Fin Baffle Ceiling System 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. If not adhered to, Architect will designate exact product to be used and the Contractor will have no recourse.
- B. Product Data: Submit Manufacturer's technical data and brochures for each type of specified system required. All products furnished shall have a flame spread classification of 0-25 for a Class A or 1 rating in accordance with ASTM-423.
- C. Shop Drawings shall show dimensions, sizes, thickness, finishes, joining, attachments, and relationship of adjoining work.
- D. Samples:

1. Samples shall include three (3) pieces (each 6” in length) of each type of component and finish as specified, including perimeter molding and accessories.
- E. Certification:
1. Submit certificates from Manufacturer of Fin Mate Linear Fin Baffle Ceiling System attesting that products comply with specified requirements, including finish, as specified.
- F. 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 accessories 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 SEQUENCING:

- A. Substitute Products: Alternate proposals for substitute products will not be accepted unless approval is issued in addenda.
- B. Contract Execution: Submittals shall be completed and approved prior to award of subcontract for system components.
- C. Manufacturer’s Production Schedule: Sub-contract for the work of this section shall be planned to allow sufficient time for Manufacturer’s production and delivery scheduling.

1.09 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.

PART 2 - PRODUCTS

2.01 MANUFACTURERS:

- A. Fin Mate Linear Fin Baffle Ceiling System 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. Fin Mate Linear Fin Baffle Ceiling System:
 - a. Fin Mate Linear Fin Baffle Ceiling System as manufactured by Gordon, Inc., shall consist of extruded aluminum components including Suspension System consisting of extruded aluminum, including Main Tees and Cross Tees having 15/16" flanges fabricated to be curved or flat as well as all necessary Clips and Splices required for a complete system. Suspension System to meet local building codes.
 - b. Aluminum extrusion shall be 6063-T5 or T6 alloys. (ASTM B221, ASTM B 221M)
 - c. General: Provide metals free from surface blemishes where exposed to view in finished unit. Surfaces exhibiting 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.
- B. System Description:
 - 1. The Fin Mate (select Fin Mate I, Fin Mate III, or Fin Mate Blade) Linear Fin Baffle Ceiling System shall be specified as Fin Mate, "____" height, and spaced "____" O.C. manufactured by Gordon, Inc. All members shall be of standard 6063-T5 or T6 aluminum alloy with the finish to be specified by the customer.
 - 2. Suspension Grid and Wall Angle shall be coated Black.
 - 3. Grid System shall be Clip System.
 - 4. All components shall be extruded aluminum, meeting all loading data. No roll formed aluminum, steel, or extruded vinyl will be allowed.

2.03 FINISHES:

- A. 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

2.04 FABRICATION:

- A. Fin Mate to be field cut at perimeter.
- B. The Suspension Module will be (specify size, i.e. 4' x 4') and fabricated in a curved (specify radius) or flat application.
 - 1. Perimeter shall be fabricated to match the system described herein.
 - 2. All components, including accessories, are available to meet codes such as seismic and loads from light fixtures and air diffusers. For seismic, specify Clip System.
 - 3. Hanger wires (furnished by the Ceiling Contractor) shall be #12 Gauge galvanized without kinks and splices or Aircraft Cable or as required to meet Local Building Codes.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. Examine building structure scheduled to receive Fin Mate Linear Fin Baffle Ceiling System 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. General: Comply with Manufacturer's printed instructions, governing regulations for Seismic Codes, and the Ceiling & Interior Systems Construction Association Standards applicable to work.
- B. 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. Clean all surfaces following installation. If necessary, use only a mild soap or detergent solution such as TSP-90 or Ivory.
- B. Replace units having scratches, abrasions, or other defects with unblemished panels or suspension.
- C. Maintenance per Manufacturer's finish maintenance instructions.

3.05 PROTECTION:

- A. Protection of Gordon, Inc. Fin Mate Linear Fin Baffle Ceiling System from damage by other trades after installation to be provided by General Contractor.

3.06 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.

END OF SECTION