

Guideline Specifications

GORDON EXTRUDED ALUMINUM SUSPENSION SYSTEMS DIVISION 09 5300 or 09 5436 Ceiling Suspension

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 extruded aluminum grid system and perimeter as shown on the drawings.

1.3 REFERENCES

- A. ASTM C635, Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- B. ATSM C363, Recommended Practice for Installation for Metal Suspension for Acoustical Tile and Lay-in Panels
- C. CISCA Ceiling Systems Installation Handbook.

1.4 SUBMITTALS

- A. Manufacturer's Literature and Data:
 - 1. 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 on 0-25 for a Class A or 1 rating in accordance with ASTM-423.
- B. Shop drawings shall show dimensions, sizes, thickness, alloys, tempers, finishes, joining, attachments and relationship of adjoining work.
- C. Samples:
 - 1. Samples shall include a three, 12" pieces of each type of suspension and finish as specified including perimeter molding and accessories.
- D. Certification:
 - 1. Submit certification from manufacturer of suspension system 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.

1.5 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.

1.6 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. Suspension Systems 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 SYSTEM Description

- A. The ceiling Suspension System shall be (choose system-Environmental Grid System or Series A, B, C, or D Suspension System)
- B. Wall angle shall be _____ in a matching finish.
- C. All components shall be extruded aluminum, meeting all loading data. No roll formed aluminum grid will be allowed.

2.3 MATERIALS

- A. Extruded Suspension System
 - 1. Extruded Suspension System as manufactured by Gordon, Inc., shall consist of Main tees (list profile & number), Cross tees (list profile & number), Perimeter Wall Angle (list profile and number), and all necessary clips and splices required for a complete system as required to meet local building codes.
 - 2. Deflection of grid shall be limited to L/360 of span (1/8" maximum) when full dead load is applied.

3. Aluminum extrusion shall be 6063-T-5 alloys. (ASTM B221, ASTM B 221 M)
4. General: Provide metals free from surface blemished 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.

2.4 FABRICATION

- A. The suspension module will be (Specify size, i.e. 2' x 2').
- B. All intersections between main tees and cross tees shall be (cross routed, butt cut or mitered).
- C. Perimeter shall be fabricated to match the system described in paragraph 2.2.
- D. All components including accessories are available to meet codes such as seismic and loads such as light fixtures and air diffusers. For seismic, specify clip system.
- E. Hanger wires (furnished by the Ceiling Contractor) shall be #12 gauge galvanized without kinks and splices.

2.5 FINISHES

- A. All suspension components visible shall be supplied with a sprayed water-borne cross-linked baked acrylic finish.

OR

- A. Finish shall be chosen from the Manufacturer's standard paint finish selection (custom colors or other types of paint are available)

OR

- A. All suspension components visible shall be supplied with a satin clear anodized 200-R1 finish.

PART 3 – EXECUTION

3.1 INSPECTION

- A. Examine building structure schedule of receive ceiling system for unevenness or irregularities that would affect quality and execution of work.
- B. Tolerances:
 1. Install ceiling system with maximum permissible deflection of L/360 of span maximum surface deviation of 1/8" in 10'-0" (no load applied) ASTM 635-92.

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.

3.2 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 finished maintenance instructions.

3.3 PROTECTION

- A. Protection of Gordon Systems 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.