

Guideline Specifications

GORDON ALUMA VAULT CEILING SYSTEM 3000
DIVISION 09547

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including general conditions, supplementary conditions and Division-1 General Requirements, apply to work of this section.

1.2 SYSTEM DESCRIPTION

- A. The System 3000 Aluma Vault ceiling system is fully accessible. It can be provided as an undulating or convex or concave vault, curved to radii not less than 48" and provided in any overall length. The system consists of a suspension system made of pre-curved extruded aluminum members to form a continuous curved surface or an undulating ceiling of gradual smooth, flowing curves.
- B. Pre-curved specified panel to snap into maximum 5' wide module. Panels as specified are also curved and are fastened to the curved suspension system with torsion springs side mounted onto panels. All fasteners are concealed.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Furnish components from one (1) manufacturer with a minimum of ten (10) years of experience in the fabrication of extruded aluminum ceiling specialties.
- B. Installer: Firm with not less than three (3) years of successful experience in the installation of systems similar to those required by this project and acceptable to manufacturer of the system.

1.4 REFERENCES

- A. ASTM C635, Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
- B. ASTM C636, Recommended Practice for Installation of Metal Suspension System for Acoustical Tile and Lay-In Panels.
- C. CISCA Ceiling Systems Installation Handbook.

1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's System 3000 Aluma Vault product specifications, detail drawings and installation instructions for each component required.
- B. Submission: Must be made within ten (10) working days of the General Contract Award to avoid project delay. Of not adhered to, architect will designate exact product to be used and the contractor will have no recourse.

- C. Samples: Submit three (3) samples consisting of curved members with panels and torsion springs attached.
- D. Shop Drawings: To include location of System 3000 Aluma Vault ceiling system as well as specified radii, finish, tolerance, panel thickness, perforation pattern, and panel size.

1.6 SEQUENCING

- A. Substitute Products: Alternate proposals for substitute products will not be accepted unless prior 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.

1.7 WARRANTY

- A. General: Submit manufacturer's warranty that materials furnished will perform as specified for a period of not less than one (1) year when installed in accordance with manufacturer's recommendations.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. Aluma Vault Ceiling System 3000 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 products specified herein are standard manufactured products of the listed manufacturer. The aluminum system has been carefully selected to produce functional and aesthetic considerations.
- C. System must be manufactured in the U.S.A.

2.2 PRODUCT CONSTRUCTION

- A. Aluma Vault Ceiling System 3000 shall be manufactured of aluminum components. Suspension components shall be extruded aluminum of standard 6063 T-5 aluminum alloy, curved to specified radii.

2.3 MATERIALS

- A. Aluma Vault Ceiling System 3000 shall be manufactured of aluminum components. Suspension components shall be extruded aluminum of standard 6063 T-5 aluminum alloy, curved to specified radii.
- B. Panels shall be aluminum 5005-H14 or 5052-H32, curved to conform to the curved suspension system in a maximum 5' wide module, and fastened to the suspension members with concealed torsion springs to conform to the specified radius. Panels are 0.060" minimum thickness. When perforated, the panels will have a non-perforated border, size of which to be determined.

Panels have up-turned edges. Torsion springs are mounted to the side of the up-turned edges and are fastened using a recessed rivet.

C. Optional Accessories:

1. 4" extruded aluminum perimeter trim may be arched and/or reverse-arched to conform to the profile of the Aluma Vault Ceiling System 3000 and provides a finished edge detail.

OR

1. Custom perimeter trims also available. Contact factory for more details.
2. Black or white sound absorbing non-woven fabric backer - NRC .70 - .85 can be factory applied. Optional PVC wrapped acoustical pad is also available.

2.4 FABRICATION

- A. Provide factory curved main tees to specified radius, which is not smaller than 48".
- B. Pre-curved specified panel to snap into maximum 5' wide module.

2.5 FINISHES

- A. Factory finishing is to be manufacturer's standard color. All panels receive a micro-etched pretreatment prior to receiving an electro-statically applied Acrylic-Polyester hybrid powder coat paint finish.

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. 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.

3.3 CLEANING

- A. Cleaning of factory-finished parts, if necessary, should be accomplished with a detergent solution such as TSP-90 or Ivory.

3.4 PROTECTION

- A. Procedures: Care should be taken during the remainder of construction to protect the Aluma Vault Ceiling System 3000 from damage.
- B. Damage to finished work: Finished units shall be without damage. Damage shall be repaired by the contractor at the expense of the party damaging the material, as in accordance with the contract requirements.

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.