

Guideline Specifications

GORDON SKY•MATE LUMINOUS CEILING SYSTEM  
DIVISION 09510 or 09549

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 Sky•Mate luminous ceiling system can be provided as a continuous slope or a series of sloped and flat surfaces and provided in any overall length or width as small as 4' x 4' and increasing in 2' increments. The system consists of extruded aluminum perimeter tees, main tees and 2' cross tees to form 2' x 4', 2' x 5', or 2' x 2' modules. Infill panels of acrylic are laid into grid system and secured with hold-down clips. The entire system may be trimmed with an extruded aluminum wall angle or the system can be designed to fit within an existing ceiling suspension system.

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 Sky•Mate luminous ceiling system 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 suspension members with panels and hold down clips attached.

- D. Shop Drawings: To include location of Sky•Mate luminous ceiling system as well as finish and module.

#### 1.6 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.

#### 1.7 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. Sky•Mate luminous ceiling system 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 specification 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 PRODUCT CONSTRUCTION

- A. Sky•Mate luminous ceiling system shall be manufactured of aluminum components. Suspension components shall be extruded aluminum of standard 6063 T-5 aluminum alloy.

#### 2.3 MATERIALS

- A. Sky•Mate shall be manufactured of extruded aluminum components. Grid components shall be of standard 6063 T-5 aluminum alloy.
- B. The perimeter corners shall be factory welded.
- C. Acrylic panels shall 0.080" thick and be laid into grid system and fastened with hold-down clips. Color of acrylic as specified.

D. Optional Accessories:

1. Perimeter wall angle is available to trim out the Sky•Mate luminous ceiling system.

2.4 FABRICATION

- A. Provide factory welded perimeter corners.
- B. Pre-cut specified acrylic panel to lay into 2' x 2', 2' x 4', or 2' x 5' module or module size as specified.
- C. Furnish hold-down clips to position panels.
- D. Provide splice clips as necessary to connect main tees. Provide angle clips and two-way clips to attach cross tees.
- E. Optional accessory wall angle: to trim out the Sky•Mate luminous ceiling system.

2.5 FINISHES

- A. Factory finishing is to be supplied to match color specifications or standard colors (black, white, bronze, etc.) as required. Factory finish is a water-borne cross-linked acrylic that is equal to or exceeds factory-baked enamel, two-component epoxy or two-component urethane. Meets all Clean Air Standards, Federal and State, U.S.D.A. 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. 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 Sky•Mate luminous ceiling system 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.