GORDON WINLOK® ACCESSIBLE CEILING SYSTEM

SECTION 09 54 00

PART 1 – GENERAL

1.01 SECTION INCLUDES:

A. This section includes WinLok® Accessible Ceiling System as shown on the Architectural Drawings.
B. Related sections include the following: (list applicable sections).

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 applies 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 B209, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
    2. ASTM C635, Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
    3. ASTM C636, Recommended Practice for Installation of Metal Suspension System for Acoustical Tile and Lay-In Panels.
C. Aluminum Standards and Data provided by The Aluminum Association, Inc.
D. CISCA Ceiling Systems Installation Handbook.

1.04 DESIGN/PERFORMANCE REQUIREMENTS:

A. All components of the WinLok® Accessible Ceiling System shall be provided by one (1) Manufacturer to ensure single source responsibility and quality control.
B. The WinLok® Accessible Ceiling System is fully accessible. The System consists of a Suspension System made of extruded aluminum members, WinLok® Spring Clips/Brackets, and aluminum Panels to form a continuous ceiling surface.
C. Specified Panel engages the WinLok® Spring Clips/Brackets Torsion Spring suspension assembly. All fasteners are concealed.

1.05 SUBMITTALS:

A. Submission must be made within ten (10) working days of the General Contract Award to avoid project delay.

B. Product Data: Submit Manufacturer's WinLok® Accessible Ceiling System product specifications, detail drawings, and Installation Instructions for each component required..
C. Shop Drawings shall show location of WinLok® Accessible Ceiling System as well as specified finish, tolerance, Panel thickness, perforation pattern, and Panel size.
D. Samples: Submit three (3) samples consisting of curved members with Panels and Torsion Springs attached.
E. Certification: Submit certification from Manufacturer of soffit or ceiling panels 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.
G. Warranty:
    1. Provide product warranty for one (1) year from date of material shipment.

1.06 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, utilizing systems, materials, and techniques as herein specified.
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.

1.07 PRODUCT DELIVERY, STORAGE AND HANDLING:

A. All materials shall be protected during fabrication, shipment, site storage, and erection to prevent damage from other trades. Store WinLok® Accessible Ceiling System and components 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 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. Acceptable System: WinLok® Accessible 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 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.

2.02 PRODUCT CONSTRUCTION:

A. Soffit or Ceiling System shall be WinLok® Accessible Soffit or Ceiling System manufactured of aluminum components. Suspension Components shall be extruded aluminum of standard 6063 T-5 or T-6 aluminum alloy.
B. Materials:
    1. WinLok® Accessible Ceiling System shall be manufactured of aluminum components. Suspension Components shall be extruded aluminum of standard 6063 T-5 or T-6 aluminum alloy. Stainless steel Torsion Spring Brackets are field installed to the Suspension System assembly at the appropriate module size.
    2. Panels shall be aluminum 3003-H14, 5005-H14, or 5052-H32 and engage the Suspension System with concealed WinLok® Spring Clips/Brackets Torsion Spring. Panels are 0.040'' minimum thickness. Panels are perforated or non-perforated based on the Architectural Drawings. Panels have up-turned edges with engagement slots for WinLok® Torsion Spring engagement.
    3. WinLok® Removal Tools shall be provided for installation of system. Installer to provide WinLok® Removal Tools to Facility Maintenance / Owner upon completion of project.
C. Optional Accessories:
    1. Brake formed Perimeter Trim to conform to the profile of the WinLok® Soffit System to provide a finished edge detail or Wall Angle. Contact factory for more details.
    2. PVC wrapped acoustical pad (1'' thick x 1.5 lb density) is available as specified. Contact factory for suitability with specified Panel

2.03 FINISHES:

A. Finishes
    1. Exposed surfaces of Extrusions and Panels shall receive 5-stage pretreatment with dried-in-place conversion coating prior to receiving an electrostatically applied AAMA 2604 or AAMA 2605 compliant powder coating finish.
    2. All cut edges, including perforated holes, must be coated. Finish shall oven baked to ensure complete curing, paint adhesion, and uniform surface hardness.
    3. Paint color to be selected from Gordon Inc.'s list of Standard Colors (Custom Colors also available).
B. Pre-Coated Coil finishes (PVDF) available for Panels.
C. Stainless Steel finishes are brush #4, #8, custom mechanical, or custom options available.
D. Panels may have a factory-applied wood-look finish:
    1. Laminated Wood-Look Films – Series 1
    2. Laminated Wood-Look Films – Series 2
    3. Wood-Look Paints

2.04 FABRICATION:

A. Provide factory WinLok® Suspension for the specified module.
B. Panels engage via the WinLok® Spring Clips/Brackets.

PART 3 - EXECUTION

3.01 EXAMINATION:

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.

3.02 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 and any special instructions provided.
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. Follow Manufacturer's cleaning instructions for specified finish.

3.05 PROTECTION:

A. Procedures: Protection of WinLok® Accessible Ceiling System from damage by other trades after installation to be provided by General Contractor.
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.

END OF SECTION