[2101]

Product Name: Wood Ceilings and Walls Rondolo Microperforated Acoustic Planks
Manufacturer: CertainTeed Architectural

SECTION 09 54 26
SUSPENDED WOOD CEILINGS

PART 1 GENERAL

1.01 SUMMARY

A. Section includes
   1. Suspension system for wood ceiling system
   2. Wood ceiling system

1.02 RELATED SECTIONS

A. Section 09 54 26 - Suspended Wood Ceilings
B. Section 09 53 00 - Acoustical Ceiling Suspension Assemblies
C. Section 09 51 26 - Acoustical Wood Ceilings
D. Section 09 20 00 - Plaster and Gypsum Board
E. Division 23 - HVAC
F. Division 26 - Electrical

1.03 REFERENCES

A. ASTM A641: Standard Specification for Zinc Coated (Galvanized) Carbon Steel Wire
B. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
C. ASTM C635: Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings
D. ASTM C636: Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
E. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
F. ASTM E580: Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint
G. ASTM E795 – *Practice for Mounting Test Specimens During Sound Absorption Tests*
H. CAN/ULC-S102 – *Method of Test for Surface Burning Characteristics of Building Materials and Assemblies*
I. AWI: Architectural Woodwork Quality Standards
J. CISCA: Ceiling Systems Handbook
K. CISCA: Wood Ceilings Technical Guidelines

1.04 QUALITY ASSURANCE

A. Single-Source Responsibility: Obtain wood components and products identified on this specification from a single manufacturer, with shop drawing capabilities and resources to provide products of consistent quality in appearance and physical properties without delaying the project.
B. Installer Qualification: Must be experienced in the installation of systems similar to those specified herein
C. Surface Burning Characteristics: Components tested per ASTM E84/ULC S102
D. Flame Spread: 25 or less (Class A)
E. Smoke Developed: 450 or less
F. Inspection: All work must pass inspection and approval of architect, as well as the local codes and regulations or authorities having jurisdiction.

G. Woodworking Standards: Manufacturer must comply with specified provisions of Architectural Woodworking Institute quality standards.
H. Design Criteria: Wood components shall be installed true and plumb to within manufacturing tolerance of ⅛" over 8' long.
I. Environmental Standards: When required the solid wood, MDF/Particleboard and/or veneer used to produce the wood components shall originate from well managed forests as certified by organizations accredited by the Forestry Stewardship Council. Manufacturer shall demonstrate compliance by providing a Chain of Custody (COC) Number.

1.05 SUBMITTALS

A. Product Data: Submit manufacturer's data and installation details.
B. Shop Drawings: Submit shop drawings showing all areas involved, attachment conditions and perimeter conditions. AutoCAD files containing RCPs, elevations, details and all other relevant information shall be provided at no charge to the manufacturer to facilitate timely and accurate drawings.
C. Submittal Samples: Submit representative samples of each material that is to be exposed in the finished work, showing the full range of color and finish variations.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Material must be stored and installed only in a secured ambient environment (humidity minimum 25%, maximum 55%, temperature range 60°F to 80°F).
B. Windows, doors, HVAC and all wet work must be completed before unpacking and installation. Handle carefully to avoid damaging materials.
C. Store materials in original, unopened packages in a fully-enclosed space protected against damage from moisture, direct sunlight, surface contamination, pest infestations, and other damage hazards.
D. Prior to installation, acclimatize wood components for a minimum of 72 hours to stabilize moisture content and reach room temperature, per AWI standards.
E. Handle Acoustic Plank Wood Members carefully to avoid chipping edges or damaging units in any way.

1.07 COORDINATION

A. Coordinate the installation of the acoustic ceiling system with any and all trades whose work is impacted by that installation

1.08 EXTRA MATERIALS

A. Extra Materials: Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
   1. Wood Components: Furnish full-size components equal to 2.0 percent of amount installed.
   2. Suspension System Components: Furnish quantity of each component equal to 2.0 percent of amount installed.

1.09 WARRANTIES

A. Warranty Period:
   1. Wood components: Limited one (1) year from date of installation
   2. Suspension system: Limited ten (10) years from date of installation

PART 2 PRODUCTS

2.01 MANUFACTURER

A. CertainTeed Architectural. (https://www.certainteed.com/ceilings-and-walls/)

2.02 SUSPENDED WOOD CEILINGS

A. Manufacturer: CertainTeed Architectural
B. Product (Basis of Design): Rondolo Microperforated Acoustic Planks, [<Part Number>]
   1. Species: <Species>
   2. Finish: <Finish>
   3. Substrate: Veneered Composite Wood
   4. Fire Class A per ASTM E84/ULC S102
   5. Installation: <Direct Mount (Furring Clip), Direct Mount (2-pc Grid Clip 15/16” Grid)>
   6. Visual/Groove Pattern: <Microperforated (M1)
   7. Plank Width (Nominal): 6”
   8. [FSC: <yes, no>]
   9. [Acoustic Infill: <1” Fiberglass Infill, 2” Fiberglass Infill, other>]

2.03 METAL SUSPENSION SYSTEMS

A. Manufacturer: CertainTeed Ceilings
B. Product: <heavy duty (HD) suspension system, drywall suspension system>
C. For information pertaining to specific suspension system offerings, reference CertainTeed Ceilings’ library of Suspension System 3-Part Specifications

PART 3 EXECUTION

3.01 EXAMINATION

A. Ascertain acceptability of substrates and building conditions under which the ceiling system is to be installed. Do not proceed with the installation until any and all unacceptable conditions have been rectified.
B. Do not proceed with installation until unsatisfactory conditions including, but not limited to, wet work such as painting, plastering, or cementing have been completed.
C. Ensure HVAC system is operating, supply air and return air is filtered to remove particulates, the building is at the appropriate temperature and humidity, and the space is free from interior construction dust.

3.02 INSTALLATION

A. Install the ceiling system in accordance with the following:
   1. Manufacturer’s printed instructions
   2. ASTM C636
   3. Ceilings & Interior Systems Construction Association (CISCA) recommendations
   4. Applicable local code requirements
   5. Approved shop drawings

3.03 CLEANING

A. Clean surfaces of wood components and suspension system members per manufacturer's instructions for cleaning. Follow manufacturer’s instructions for any touchup of minor finish damage. Remove and replace wood components that cannot cleaned and/or repaired to permanently damage.

3.04 INSPECTION

A. The Owner shall inspect the installation and product on completion. The manufacturer shall provide repair or replacement of components not conforming to requirements as stated herein and said work will then become bound by the terms of this specification.
B. Installation labor for removal and replacement of product improperly installed and not conforming to specified installation instructions as detailed in Part 1 and Part 2 and as shown on plans, shall be the responsibility of the installing Contractor.
C. Wood components are solid wood or real wood veneer product. Every effort is made to maintain the overall appearance; however, natural variations in grain, texture, shade, and/or aging may occur in

varying site conditions. For these reasons, the manufacturer cannot guarantee the exact matching of grain, pattern, and/or color.

END OF SECTION

CertainTeed Architectural shall be held harmless for any damages resulting from the use of this specification guide