

SECTION 09520 – SCORED WOOD VENEER ACOUSTICAL CEILINGS

PART 1 - GENERAL

- A. The General Conditions and the requirements of Division 1 of the specifications shall apply to all work hereunder.
- B. All work shall be performed in accordance with the manufacturer's instructions, and in a manner satisfactory to the Owner's Representative.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Scored Wood Veneer Acoustical Ceiling Panel assemblies (including suspension system).
- B. Related Sections include the following:
 - 1. Division 9 Section "Acoustical Panel Ceilings" for suspended acoustical panel ceilings.

1.3 QUALITY ASSURANCE

- A. **Installer Qualifications:** The installer shall be a firm with a minimum of two (2) years of successful experience in installation of products with similar requirements to this project. The installer shall be acceptable to the Architect, manufacturer, and Owner's Representative.
- B. **Fire Performance Characteristics:** Scored Acoustical Ceiling Panel shall be constructed using fire retardant core components meeting or exceeding the requirements of ASTM E84 Class A.
- C. **Noise Reduction Coefficient:** The ceiling panel will have an NRC value of 0.75 to 0.80 when tested in accordance with ASTM C-423.

1.4 PROJECT CONDITIONS

- A. Installation shall be done only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. The heating and cooling systems shall be operating before, during and after installation, with the humidity of the interior spaces maintained between 25% and 55%.
- B. It is important that area have proper ventilation, especially in high moisture areas. There shall be no excessive build up of heat in the space.
- C. Prior to the start of installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. The roof is to be watertight, and all wet trades work is to be completed, and thoroughly dry.

- D. Mechanical, electrical, and other utility service installations above the ceiling plane shall have been completed. No materials should rest or wrap around the ceiling suspension components or connecting hangers.

1.5 COORDINATION OF WORK

- A. The layout and installation of Scored Wood Veneer Acoustical Ceiling Panels shall be coordinated with other work penetrating the ceiling. This includes light fixtures or junction boxes, HVAC equipment, and fire protection components.

1.6 SUBMITTALS

- A. Product Data: Shall provide product specifications and installation instructions for all supplied materials.
- B. Shop Drawings: Supply shop drawings showing Scored Wood Veneer Ceiling Panel sizes and locations, and other details deemed pertinent to proper installation.
- C. Samples: A 3"x12" sample, with finish applied, shall be submitted for approval.

1.7 DELIVERY, STORAGE and HANDLING

- A. Scored Wood Veneer Acoustical Ceiling Panel assemblies shall be delivered to the project site in original, unopened packages.
- B. The Ceiling Panels shall be stored in a fully enclosed space. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the Ceiling Panels shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. The Ceiling Panels shall be stored off the floor.
- C. Care in handling must be exercised to avoid damage.

PART 2 - PRODUCTS

2.1 CEILING PANELS

- A. The acoustical ceiling panels shall be factory-fabricated, manufactured to exact sizes established by approved shop drawings and confirmed by field dimensions. The Scored Acoustical Ceiling Panels will have a 3/16" thick maple wood veneer face panels, with vertical face scoring 1/8" wide on 3/16" centers. The back of the face panel is to be cross scored 1/8" wide on 3/16" centers. The intersection of the scoring shall provide an acoustical opening to the acoustically absorptive core. Behind the Scored Face Panel is 1" fiberglass acoustical insulation fill, with a solid wood backer panel for a total panel thickness of 1-3/8". Wood is a natural product that

will undergo changes with variations in the environment. Therefore, all dimension tolerances are $\pm 1/8"$.

1. Basis of Design product: The Rulon Aluratone 500 Ceiling Systems covered by this specification shall be the products of the Rulono Company, 105 Rulon Drive, Brunswick, GA 31525; Phone 800-2278566, Fax: 912-262-1108 or approved equal.

2.2 SUSPENSION SYSTEMS

- A. The ceiling panels shall be suspended from standard heavy duty 15/16" 'T' rail supplied by scored wood veneer acoustical ceiling installer. Grid Color to be selected by Architect.

2.3 EDGES, BORDERS and PERIMETER TRIMS

- A. Edges, borders and perimeter trims shall be designated by the specifiers in accordance with standard design details available. All wood ceiling products specified shall be supplied by the ceiling manufacturer.

2.4 FINISHES and COLORS

- A. The Scored Acoustical Panel surface is to be Maple veneer with an applied clear finish. Project finishes shall be stain or sealer coats – spray applied to a smooth sawn surface. The wood panels shall not be sanded.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Ceiling Layout: if required, prior to manufacture, field dimensions shall be taken to determine Panel sizes. The installer shall measure applicable areas prior to installation to confirm application and location of panel supports, in accordance with installation instructions.
- B. Coordination: The installer shall coordinate with other trades the location of devices which will penetrate the ceiling panels or interfere with the installation. Recessed or surface devices located within the ceiling panels are to be located and cut in the field.

3.2 INSTALLATION

- A. General: Install materials in accordance with the manufacturer's printed instructions and Architect's drawings. The installation shall comply with applicable regulations and industry standards.

3.3 ADJUSTMENT, CLEANING and REPAIR

- A. The Contractor shall make final adjustments to level or contours.
- B. Upon completion of installation, all Scored Acoustical Ceiling Panels shall be cleaned free of dirt, dust, grease, oils, and fingerprints. Wood surfaces shall be wiped with furniture polish to enhance the surface finish.
- C. All work which cannot be successfully cleaned or repaired shall be removed and replaced.

3.4 INSPECTION

- A. Upon completion of installation, the Owner's Representative shall inspect all finished surfaces to ensure that work has been performed in a manner satisfactory to the Owner. Any deficiencies in the installed ceiling panels shall be corrected by the installer at no additional cost to the Owner.

3.5 WARRANTIES

- A. Manufacturer: All materials supplied by the Ceiling Panel manufacturer shall be guaranteed against manufacturing defects for one (1) year.
- B. Installer: All work shall be guaranteed for one (1) year from final acceptance of completed work.

END OF SECTION 09520