

SECTION 09 54 26 - LINEAR WOOD GRILLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes linear wood grille panels, trim and accessories.
- B. Related Sections:
 - 1. Division 01 Section "Coordination Drawings" for requirements to coordinate the work of this Section with the construction elements indicated as "Coordination Drawing Content" and as required by the other Prime Contractors for the Project Coordination Drawings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Initial Selection: For components with factory-applied color and other decorative finishes.
- C. Samples for Verification: For each component indicated and for each exposed finish required, prepared on Samples of size indicated below:
 - 1. 12"x18" samples of each panel type, pattern and color.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Certificates: Manufacturer's certification that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For finishes to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Wood Grille Panels: Furnish quantity of full-size units equal to 2.0 percent of amount installed.

1.7 QUALITY ASSURANCE

- A. Source Limitations: Obtain each set of linear wood grilles from one source with resources to provide products of consistent quality in appearance, physical properties, and performance.
- B. Surface-Burning Characteristics: Complying with ASTM E 1264 for Class A materials, as determined by testing identical products according to ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
- C. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Installer Qualifications: Firm with not less than 3 years of successful experience in installation of linear wood grilles similar to requirements for this project and which is acceptable to manufacturer of acoustical units, as shown by current written statement from manufacturer.

1.8 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review specification requirements.
 - 2. Review installation procedures.
 - 3. Inspect project conditions.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver linear wood grilles and accessories to Project site in original, unopened packages and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.
- B. Acclimatization: Before installing wood panels, permit them to reach room temperature and a stabilized moisture content (at least 72 hours) per AWI standards.
- C. Handling: Handle wood grille panels carefully to avoid chipping edges or damaging units in any way.
- D. Protection:
 - 1. Personnel: Follow good safety and industrial hygiene practices during handling and installing of all products and systems, with personnel to take necessary precautions and wear appropriate protective equipment as needed. Read related literature for important information on products before installation. Contractor to be solely responsible for all personal safety issues during and subsequent to installation; architect, specifier, owner, and manufacturer will rely on contractor's performance in such regard.
 - 2. Existing completed work: Protect completed work above suspension system from damage during installation of suspension system components.

1.10 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install linear wood grilles until spaces are enclosed and weathertight, wet work in spaces is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.11 COORDINATION

- A. Coordinate layout and installation of linear wood grilles with other construction that penetrates wood grilles or is supported by them, including light fixtures, HVAC equipment, and partition assemblies.

PART 2 - PRODUCTS

2.1 LINEAR WOOD GRILLES

- A. Basis of Design: Subject to compliance with requirements, Linear Wood Grilles incorporated into the project shall be based on products as follows:
 - 1. 9Wood, Inc.; "1200 Dowel Grille."
- B. Acceptable Manufacturers: Subject to compliance with requirements, in lieu of the Basis of Design manufacturer, Contractor may provide products from the following manufacturers that meet or exceed the published data of the specified Basis of Design product.
 - 1. Ventwood.
- C. Linear Wood Grille Panels:
 - 1. Wood Species: Oak.
 - 2. Member Size: nominal 3/4-inch x 1-1/4-inch.
 - 3. Edge Profile: Eased.
 - 4. Members Per Foot: 7 Members per lf..
 - 5. Assembly Style: Dowel; painted black..
 - 6. Panel Size: As indicated on Drawings for configurations shown.
 - 7. Fire Rating: Class 1A.
 - 8. Finish: Dressed to the Nines by 9Wood Stain as selected by Architect from full range available.
- D. Attachment Devices: Size for three times the design load indicated in ASTM C 635.

2.2 GENERAL FINISH REQUIREMENTS

- A. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, including structural framing and substrates to which linear wood grilles attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of linear wood grilles.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Coordination: Furnish layouts for cast-in-place anchors, clips, and other anchors whose installation is specified in other Sections.
 - 1. Layout: Measure each area and establish the layout of Wood Grille Panel to balance border widths at opposite edges of each location. Avoid using less-than-half-width panels at borders, and conform to the layout shown on drawings in accordance with wood grille manufacturer's approved Shop Drawings.

3.3 INSTALLATION

- A. General: Install interior wood grille in compliance with manufacturer's instructions.
- B. Attachments: Fasten linear wood grilles to structure using brackets provided by the manufacturer, mounted to the dowels.

3.4 CLEANING

- A. General: Clean exposed wood surfaces of wood grille panels. Comply with manufacturer's instructions for cleaning and touchup of minor finish damage. Remove and replace wood components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 09 54 26