SECTION 098430 – WOOD VENEER WALL PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

a. Acoustical and Flat wood veneer wall panels of size and shape indicated in Main Street 100.

b. Flat wood veneer wall panels of size and shape indicated in Auditorium 534 at stage front.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Show fabrication and installation details for acoustical wall panels, including plans, elevations, sections, details, and attachments to other Work.

C. Samples for Verification: 12-by-12-inch units of each type of acoustical wall panel indicated; in sets for each color and pattern specified, showing the full range of variations expected in these characteristics. Include samples of installation devices and accessories.

D. Product Certificates: Signed by manufacturers of acoustical wall panels certifying that products furnished comply with requirements.

E. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

F. Maintenance Data: For acoustical wall panels and facings to include in maintenance manuals specified in Division 1.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: A firm experienced in manufacturing acoustical wall panels similar to those indicated for this Project and with a minimum two year record of successful in-service performance.

B. Source Limitations for Acoustical Wall Panels: Obtain acoustical wall panels from one source with resources to provide products of consistent quality in appearance and physical properties.

C. Fire-Test-Response Characteristics: Provide acoustical wall panels with the following surface-burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify acoustical wall panels with appropriate markings of applicable testing and inspecting agency.

a. Flame Spread: 25 or less.
b. Smoke Developed: 450 or less.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Protect acoustical wall panels from excessive moisture when shipping, storing, and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation. Do not deliver material to building until wet-work, such as concrete and plaster, has been completed and cured to a condition of equilibrium. Protect panel edges from crushing and impact.

B. Factory finish and assemble all components before shipment.

C. Store panels in a fully enclosed space, for a minimum of seventy-two (72) hours immediately prior to installation. Store panels 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. Store panels off the floor.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: Do not install acoustical wall panels until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Air-Quality Limitations: Protect acoustical wall panels from exposure to airborne odors, such as tobacco smoke, and install panels under conditions free from odor contamination of ambient air.

C. Field Measurements: Verify wall surface dimensions by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

a. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish surface dimensions and proceed with fabricating acoustical wall panels without field measurements. Coordinate wall construction to ensure that actual surface dimensions correspond to established dimensions.

1.7 WARRANTY

A. General Warranty: Special warranty specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Special Warranty: Written warranty, signed by manufacturer agreeing to repair or replace components of acoustical wall panel system that fail in performance, materials, or workmanship within specified warranty period. Revise warranty to period required and verify availability.

C. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Basis-of-Design Product: The design for each product is based on the product names. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified.

2.2 WOOD VENEER WALL PANELS (WP-#)

A. Flat Wood Veneer Wall Panels (WP-1).

1. Basis-of-Design: Subject to compliance with requirements, provide Aluratone 700 by Rulon International, St. Augustine, Florida or a comparable product by one of the following:

   a. Decoustics.

2. Solid Panels: Manufacturer's standard construction consisting of flush panels.

   a. Edge: Wood hardened edge detail with return to hide attachment to wall.
   b. Corners: Square.

3. Mounting Accessories: Manufacturer's standard or recommended accessories for securely mounting panels to substrates.

   a. Mounting: Z-Clips

5. Finishes:

   a. Veneer species: Cherry.
   b. Color: Leche and Caramel.
   c. Quartered veneer.
   d. Slip match.
   e. Factory-applied custom stain to match Architect's sample color.

6. Locations: As indicated on drawings.

B. Acoustical Wood Veneer Wall Panels (WP-2).

1. Basis-of-Design: Subject to compliance with requirements, provide Aluratone 700 by Rulon International, St. Augustine, Florida or a comparable product by one of the following:

   a. Decoustics.

4. Absorber Panels: Manufacturer's standard construction consisting of perforated acoustical panels with hole perfoations that vary in size, quantity and pattern.

   a. 6mm holes on 16mm straight centers.
   b. Edge: Wood hardened edge detail with return to hide attachment to wall.
   c. Corners: Square.

5. Sound-Absorption Performance: Provide acoustical wall panels with NCR .80 as determined by testing per ASTM C 423 for mounting type specified.

6. Mounting Accessories: Manufacturer's standard or recommended accessories for securely mounting panels to substrates.

   a. Mounting: Z-Clips

5. Finishes:

   a. Veneer species: Cherry.
   b. Color: Leche and Caramel.
   c. Quartered veneer.
   d. Slip match.
   e. Factory-applied custom stain to match Architect's sample color.

6. Locations: As indicated on drawings.

2.3 FINISHES AND COLORS

A. Panel face and edge surfaces shall be factory finished with a custom stain as selected by the Architect. Product finishes shall be stain or sealer coats – spray applied to a smooth sanded surface.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine substrates and blocking, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting acoustical wall panel performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install acoustical wall panels in locations indicated with vertical surfaces and edges plumb, top edges level and in alignment with other panels, and scribed to fit adjoining work accurately at borders and at penetrations. Comply with panel manufacturer's written instructions for installation of panels using type of mounting accessories indicated or, if not indicated, as recommended by manufacturer.

3.3 CLEANING

B. Clean panels to remove dust and other foreign materials according to manufacturer's written instructions.

C. Remove surplus materials, rubbish, and debris resulting from acoustical wall panel installation, on completion of the Work, and leave areas of installation in a neat and clean condition.

3.4 PROTECTION

A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer that ensure acoustical wall panels are without damage or deterioration at time of Substantial Completion.

B. Replace panels that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

END OF SECTION 098430