

SECTION 064200 - WOOD PANELING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Mechanically applied, plastic-laminate clad flush panel system, to be applied on elevator lobby hoistway entrance walls.
- B. Related Sections include the following:
 - 1. Division 06 Section "Miscellaneous Rough Carpentry" for wood furring, blocking, shim, and hanging strips required for installing paneling and that are concealed within other construction before paneling installation.
 - 2. Division 06 Section "Interior Finish Carpentry" for interior woodwork other than paneling.
 - 3. Division 08 Section "Flush Wood Doors."

1.3 DEFINITIONS

- A. Paneling includes wood furring, blocking, and shims for installing paneling, unless concealed within other construction before paneling instructions.

1.4 SUBMITTALS

- A. Product Data: For panel products, high pressure decorative laminate, concealed spline-mounting accessories, back-mounted clips, and finishing materials and processes.
- C. Shop Drawings: Show location of paneling, large-scale details, attachment devices, and other components. Include dimensioned plans and elevations.
 - 1. Show details in full size.
 - 2. Show locations and sizes of furring and blocking, including concealed blocking specified in other Sections.

3. Apply WI-certified compliance label to first page of Shop Drawings.
- C. Coordination Drawings: Show intersection with wall base, doors, electrical outlets and switches, lighting fixture, and other adjacent work.
- D. Samples for Initial Selection:
 1. High-pressure decorative laminates.
- E. Samples for Verification Selection:
 1. Plastic laminates, 8 by 10 inches (200 by 250 mm) for each type, color, pattern, and surface finish; with sample applied to core material.
 2. Exposed Metal Trim: Manufacturer's standard finish options.
- F. Product Certificates: For each type of product, signed by product manufacturer.
- G. Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates and, where applicable, WI-certified compliance certificates.
- H. Qualification Data: For Installer.
- I. Warranty: Samples of Manufacturer's standard and Special warranties.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Certified participant in AWI's Quality Certification Program and/or Licensee of WI's Certified Compliance Program.
- B. Source Limitations: Obtain wood wall panels and accessories through one source from a single manufacturer.
- C. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards" for grades of paneling indicated for construction, finishes, installation, and other requirements.
 1. Provide AWI Quality Certification Program labels and certificates indicating that paneling, complies with requirements of grades specified.
- D. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver paneling until painting and similar operations that could damage paneling have been completed in installation areas.
- B. Deliver materials and panels in manufacturer's heavy cardboard cartons and store in a temperature-controlled dry place with adequate air circulation.

- C. Protect panel edges from crushing and impact.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install paneling until building is enclosed, wet work is complete, and HVAC system is operating and will maintain temperature between 60 and 80 deg F (16 and 28 deg C) and relative humidity between 35 and 55 percent during the remainder of the construction period.
- B. Field Measurements: Where paneling is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 MANUFACTURED MECHANICALLY APPLIED PANEL (MAP)

- A. Basis-of-Design Product (MPS-1): Subject to compliance with project requirements, provide Plastic Laminate-Clad Flush Panel MAP System 10 or System 40 by Marlite, or comparable product submitted for review and approval of the Architect.

2.2 MATERIALS

- A. General: Provide materials that comply with requirements of AWI's and/or WI's quality standard for quality grade specified, unless otherwise indicated.
- B. Core Products: Comply with the following:
 - 1. Medium-Density Fiberboard: ANSI A208.2, Grade MD, made with binder containing no urea formaldehyde.
- C. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated, as required by woodwork quality standard.
 - 1. Manufacturer: Subject to compliance with requirements, provide high-pressure decorative laminates by one of the following:
 - a. Abet Laminati, Inc.
 - b. Arborite; Division of ITW Canada, Inc.
 - c. Formica Corporation.
 - d. Lamin-Art, Inc.
 - e. Nevamar Company, LLC; Decorative Products Div.
 - f. Panolam Industries Incorporated.
 - g. Wilsonart International; Div. of Premark International, Inc.
- D. Adhesive for Bonding Plastic Laminate: Unpigmented contact cement, Contact cement, PVA, or Resorcinol.

1. Adhesive for Bonding Edges: Hot-melted adhesive
- E. Panel Reveals: 1/16" hidden, horizontal and vertical or 1/4" narrow, horizontal, and vertical; latter with exposed metal main rails and cross splines.
- F. Spline-mounting Accessories: Manufacturer's standard concealed, extruded aluminum connecting main rails and cross splines designed and fabricated for screw attachment to walls, with other moldings and trim for interior and exterior corners, leveling and base support with factory-applied finish on exposed items.
 1. Exposed Trim Finish: Clear or black satin anodized as selected by Architect.

2.3 FABRICATION, GENERAL

- A. Paneling Grade: Provide Premium grade paneling complying with referenced quality standard.
- B. Complete fabrication, including assembly and finishing, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- C. Shop cut openings, to maximum extent possible, to receive hardware, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

2.4 PLASTIC LAMINATE-CLAD FLUSH PANELING

- A. Grade: Premium.
- B. Plastic-Laminate Cladding: High-pressure decorative laminate, in the following grades:
 1. Faces: Grade HGS.
 2. Backs: BKH.
 3. Exposed Edges: Same as faces.
- C. Colors, Patterns, and Finishes: Provided materials and products that result in colors and textures of exposed surfaces complying with the following requirements:
 1. As indicated by manufacturer's designations.
 2. Match Architect's samples.
 3. As selected by Architect from laminate manufacturer's full range in the following categories:
 - a. Wood grains, matte finish.
 4. Grain Direction: Vertical.
- D. Panel Core Construction: Particleboard or medium-density fiberboard.

- E. Provide paneling of thickness shown or, if not shown, 3/4-inch (19-mm) minimum thickness. Assemble by gluing and concealed fastening.
- F. Preparation for Finishing: Comply with referenced quality standard for sanding, sealing concealed surfaces, and similar preparations for finishing paneling, as applicable to each unit of work.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition paneling to average prevailing humidity conditions in installation areas.
- B. Before installing paneling, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

- A. Grade: Install paneling to comply with requirements for same grade specified in Part 2 for fabrication of type of paneling involved.
- B. Install paneling level, plumb, true, and straight with no distortions. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm). Install with no more than 1/16 inch in 96-inch (1.6 mm in 2400-mm) vertical cup or bow and 1/8 inch in 96-inch (3 mm in 2400-mm) horizontal variation from a true plane.
 - 1. For flush paneling with revealed joints, install with variations in reveal width, alignment of top and bottom edges, and flushness between adjacent panels not exceeding 1/32 inch (0.8 mm).
- C. Scribe and cut paneling to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- D. Anchor paneling to supporting substrate with concealed panel-hanger clips. Do not use face fastening unless covered by trim.
- E. Complete finishing work specified in this Section to extent not completed at shop or before installation of paneling.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective paneling, where possible, to eliminate functional and visual defects; where not possible to repair, replace paneling. Adjust for uniform appearance.

- B. Clean paneling on exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 064200