

SECTION 09770 – PREFINISHED PANELS - INTERIOR

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. Section Includes: Decorative wall panel systems.
- B. Related Sections include the following:
 - 1. Division 6 Section “Rough Carpentry” for wood blocking
 - 2. Division 9 Section “Gypsum Board Assemblies” for metal stud and gypsum wallboard partitions.

1.3 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide panels that have been manufactured, fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.5 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer’s Spec-Data product sheet, for specified products.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including edge conditions, panel joints, anchorage, accessories, finish colors, patterns and textures.

- D. Samples: Submit selection and verification samples for finishes, colors and textures.
- E. Quality Assurance Submittals: Submit the following:
 - 1. Test Reports: Submit certified test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Certificates:
 - a. Qualification Certificates: Submit certificate indicating compliance with qualification requirements in Quality Assurance article.
 - b. Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
 - 3. Manufacturer's Instructions: Manufacturer's installation instructions.
 - 4. Manufacturer's Field Reports: Manufacturer's field reports specified herein.
- F. Closeout Submittals: Submit the following:
 - 1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with General Conditions. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
 - 2. Warranty: Warranty documents specified herein.

1.6 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer Qualifications: Manufacturer producing product in ISO 9001 certified facility and ISO-14001 Environmental certification capable of providing field service representation during fabrication and approving application method.
 - a. Obtain from a single manufacturer.
 - 2. Fabricator/Installer Qualifications: Installer shall be approved by the manufacturer and be experienced in performing work of similar type and scope.
- B. Surface-Burning Characteristics: Provide acoustical panels with the following g surface burning characteristics complying with ASTM E 1264 FOR Class A materials as determined by testing identical products per ASTM E 84:
 - 1. Smoke-Developed Index: 450 or less.
- C. Mockups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain Owner's and Architect's acceptance of finish color, texture, pattern and workmanship standards. Comply with Division 1 Quality Control Section.
 - 1. Mock-up Size: 100 sq. feet.
 - 2. Maintenance: Maintain mock-up during construction for workmanship comparison; remove and legally dispose of mock-up when no longer required.
 - 3. Incorporation: Mock-up may be incorporated into final construction upon Owner's approval

- D. Preinstallation Meetings: Conduct preinstallation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements. Comply with Division 1 "Coordination" Section

1.7 DELIVERY, STORAGE & HANDLING

- A. General: Comply with General Conditions.
- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials to manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Storage & Protection: Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.

1.8 PROJECT CONDITIONS

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.
- B. Panels shall be unpacked and allowed to acclimate to the room conditions for at least 48 hours prior to installation.

1.9 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacture's standard 1 year warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

PART 2 - PRODUCTS

2.1 WALL PANELS – SYSTEM PS-1

- A. Basis of Design: Maple Ionic Panels, Pattern Helsinki #430007-908, size 46" x 96" x ¾" thick as manufactured by B&N Industries.
- B. Accessories: panel and wall cleats as required by Manufacturer to hang panels on walls.

2.2 WALL PANEL SYSTEM PS-2

- A. Basis of Design: connections 75, ¾" panel, (full wall – rectangle) Pionite Amber Curly Maple Laminate, #WM221 as manufactured by Marlite.
- B. Accessories:
 - 1. Radius midwall reneal inserts.
 - 2. Radius / square perimeter trim components as required for complete installation.
 - 3. Aluminum furring hanging strips as recommended by manufacturer for panel anchorage.

2.3 FABRICATION

- A. Fabricate wall panels and accessory items in accordance with manufacturer's recommendations and approved submittals.
- B. Fabricate panels to profile indicated.

PART 3 - EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- A. Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.2 EXAMINATION

- A. Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.3 INSTALLATION

- A. Install solid wall panels plumb and level and accurately spaced in accordance with manufacturer's recommendations and approved submittals.
- B. Fasten solid wall panels to supporting substrate with fasteners and clips recommended by the manufacturer for use with adjoining construction.
- C. Interface with other work
- D. Accessory items: Install corner profiles, and trim with fasteners appropriate for use with adjoining construction as indicated on drawings and as recommended by manufacturer.

3.4 FIELD QUALITY REQUIREMENTS

- A. Manufacturer's Field services: Upon Owner's request, provide manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacture's instructions.

3.5 CLEANING

- A. Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.6 PROTECTION

- A. Protect installed product and finish surfaces from damage during construction.

END OF SECTION 09770