

Note:

This document contains information and notes in hidden text.
If you need assistance to view & hide text, instructions are at this link:
<http://www.marlite.com/hidden-notes-instructions.aspx>
Delete this note and hyperlink after editing is complete.

SECTION 09 7710 – FRAMED DECORATIVE PANEL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Decorative 3/8" (9.5mm) thick solid phenolic core panel applied utilizing pre-engineered application hardware and trim systems, for installation direct to studs or solid substrate.
 - 1. Hardware: Aluminum Main Rails, Cross Splines and perimeter trim.
 - 2. Panels:
 - a. Ultra-durable solid phenolic with a decorative face.
- B. Products not furnished or installed under this section:
 - 1. Wood Veneer casework.
 - 2. Gypsum board backup.

1.2 RELATED SECTIONS

- A. Section [____] - Wood [Metal] Stud Framing
- B. Section [____] - Custom Cabinets
- C. Section [____] - Solid Wood Paneling
- D. Section [____] - Gypsum Wallboard.
- E. Section [____] - Painting & Transparent Finishes.
- F. Section [____] - Resilient Base.

1.3 REFERENCES

- A. American Society for Testing and Materials: Standard Specifications (ASTM)
 - 1. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. Architectural Woodwork Standards as published by the Architectural Woodwork Institute, the Architectural Woodwork Manufacturers Association of Canada, and the Woodwork Institute.

1. Architectural Woodwork Standards - Edition 1.

1.4 SUBMITTALS

- A. Product Data: Submit sufficient manufacturer's data to indicate compliance with these specifications, including:
 1. Site preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation instructions or methods.
- B. Shop Drawings: As required, submit elevations of each wall showing location of paneling and trim members with respect to all discontinuities in the wall elevation.
- C. Selection Samples: Submit standard samples representing manufacturer's full range of available colors and patterns, as required by extent of project.
- D. Samples for Verification: As required, submit sample for each component and for each exposed finish. Mock-ups may be requested complete with exposed molding and trim samples. Sample to indicate type, finish, and color specified.
 1. Ultra-durable solid phenolic panel: Submit 6" (154mm) by 10" (254mm), or manufacturer's standard "jumbo" sample, of each selected pattern or color. When available, a manufacturer's match in HPL may be substituted for full thickness product.
- E. Manufacturers Safety Data Sheets (SDS) for adhesives, or other products as appropriate, are available and can be provided by request prior to material delivery to the site.
- F. Installation and/or maintenance instructions

1.5 QUALITY ASSURANCE

- A. Conform to building code requirements for interior finish for smoke and flame spread requirements as tested in accordance with:
 1. ASTM E 84 (Method of test for surface burning characteristics of building Materials)
 2. Required Rating – Class [A] [C].

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver panels and associated materials factory packaged on strong pallets and properly packaged or protected.
 1. Upon delivery carefully inspect all cartons, packages, pallets and protective wrap for damage or material shortage.
 2. Open and inspect suspect packages, cartons or wrapped pallets for damage.
 3. Contact shipper immediately to report any damaged or missing materials.
 4. Contact Marlite @ (800) 377-1221 immediately to report any damaged or missing materials.
 5. Contact Marlite @ (800) 377-1221 with any questions, problems or concerns.
- B. Store products in manufacturer's unopened packaging until ready for installation.

1. Maintain plastic or other protective wrap in place during on site handling until ready for installation.
 2. Keep panels clean and do not stack panels after removal of protection.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Wood composite panels are subject to the effects of humidity and temperature. Do not use in kitchens, rest rooms, or other high humidity areas.
- B. Partition walls are to be finished and the building completely closed. Walls shall be thoroughly dry and concrete cured and dry before starting installation.
- C. HVAC system should be operable and installation area balanced to normal operating conditions.
- D. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. To ensure product performance, a temperature range of 60°-80°F (16°C-27°C) and a humidity range of 35-55% must be maintained during storage, installation and product life cycle. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 COORDINATION AND SEQUENCING

- A. Except as specified locate hardware and trim members so that reveals are in line with doors, headers, jambs and other discontinuities in wall.
- B. Vapor barrier shall be used on exterior walls behind backing to discourage warping.
- C. Coordinate with casework manufacturer. When required, deliver material to the fabrication shop.

1.9 WARRANTY

- A. Standard Warranty: All products shall be warranted to be free from defects for a period of 30 days after installation.

PART 2 - PRODUCTS

2.1 ACCEPTABLE PRODUCT

- A. Marlite, 1 Marlite Dr., Dover, OH 4462. Phone: 800-377-1221, Fax: (330) 343-4668 Email: info@marlite.com, website: www.marlite.com.
- B. Product: Surface Systems - MAP375 System

2.2 HARDWARE

- A. Horizontal Main Rail support rail and vertical Cross Spline alignment framing.
 - 1. MAP375 HMR - Hidden Main Rail, to create detailed 1/16" horizontal reveals. Furnished in full 8' (2.44m) lengths.
 - 2. MAP375 NMR - Narrow Main Rail, to create detailed 1/4" horizontal reveals. Furnished in full 8' (2.44m) lengths.
 - 3. MAP375 CMR - Channel Main Rail, to create detailed 1/2" horizontal reveals. Furnished in full 8' (2.44m) lengths.
 - 4. MAP375 BMR - Broad Main Rail, to create detailed 1" horizontal reveals. Furnished in full 8' (2.44m) lengths.
 - 5. MAP375 HCS - Hidden Cross Spline, to create detailed 1/16" vertical reveals. Furnished cut-to-size to match panel.
 - 6. MAP375 NCS - Narrow Cross Spline, to create detailed 1/4" vertical reveals. Furnished cut-to-size to match panel.
 - 7. MAP375 CCS - Channel Cross Spline, to create detailed 1/2" vertical reveals. Furnished cut-to-size to match panel.
 - 8. MAP375 BCS - Broad Cross Spline, to create detailed 1" vertical reveals. Furnished cut-to-size to match panel.
- B. Panel Trim: Aluminum Profiles furnished in full 10' (3 meters) lengths
 - 1. Outside Corner – Narrow profile; Marlite #NL760-375.
 - 2. Edge/Inside Corner – Narrow profile; Marlite #NL770-375.
- C. Hardware and Trim Material:
 - 1. Aluminum - Heavy weight extruded aluminum 6063-T5 alloy and prefinished at the factory.
 - a. Concealed Aluminum - Mill finish
 - b. Exposed Aluminum - [Clear satin anodized.] [Black satin anodized.]

2.3 PANELS

- A. Panel Configuration:
 - 1. Face dimensions: [Nominal 24" (61cm) wide x 24" (61cm) high.] [As indicated on the drawings].
 - 2. Panel thickness - 3/8" (.95cm) thick.
- B. Ultra-durable Solid Phenolic: Solid phenolic with decorative pattern or color on exposed face.
 - 1. Edges – Square cut and kerfed on all edges, to accept hardware.
 - 2. Color and Pattern: _____ [As selected by Architect from manufacturer's standard selection.] ADHESIVES
- C. Marlite Brand C-109 solvent based adhesive or as otherwise approved by Marlite.

2.4 FABRICATION

- A. All framing, panels, hardware and accessories shall be factory finished and ready to install except for field fabrication as required by jobsite and perimeter conditions.

1. Refinish field cut panel edges in accordance with manufacturer's instruction before installation.
2. For all cut-outs, drill corners for a minimum 1/8" radius.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Installer's Examination: Examine conditions under which construction activities of this section are to be performed. Submit written notification to Architect and system manufacturer if such conditions are unacceptable. Beginning erection constitutes installer's acceptance of conditions.
 1. Verify that a vapor barrier has been provided on exterior walls behind backing to prevent warping.
 2. Verify backing panels are smooth, solid, and flat. [All drywall joints are to be taped and finished].
 3. Verify that walls are primed or sealed before installation begins.
 4. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.
 5. Verify that stud spacing does not exceed 24" on-center.
 6. Verify that HVAC systems are operational and building environment is balanced to end use conditions.
- B. Structural walls are to be finished, with building completely closed. Walls shall be thoroughly dry before starting installation.

3.2 PREPARATION

- A. Conditioning: Panels must be allowed to acclimate to a balanced environment in the installation location for 72 hours prior to installation.
- B. Protect existing surfaces with drop cloths.
- C. Except as directed by the architectural drawings, before installing, examine panels and arrange to achieve best combination of color, pattern, texture and grain.

3.3 INSTALLATION

- A. Comply with manufacturer's recommended procedures and installation sequence.
 1. Assure installed hardware to be straight, plumb and level.
 2. Anchor units rigidly and securely in place.
 3. Cut sheets to meet existing supports.
- B. Fasten supports and trim using recommended drill-tipped screws anchored into studs or other solid substrate at 32" (80 cm) c/c max. Where hardware cannot be installed with screws, fasten with adhesive in accordance with the manufacturer's recommendations. Pre-drilling should not be necessary. Use die line on extrusions for screw placement guide and fasten securely.

- C. Avoid contamination of the panel faces with adhesives, solvents or cleaners during installation.

3.4 CLEANING AND PROTECTION

- A. Clean and remove dust and other foreign matter from panel and framing surfaces. Clean finishes in accordance with manufacturer's instructions.

END OF SECTION 09 7710