



## **SECTION 06251 BEADBOARD PANELING**

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Square Edge Beadboard.
- B. Shiplap Edge Beadboard.

#### 1.2 RELATED SECTIONS

- A. Section 06110 - Wood Framing.
- B. Section 06200 - Finish Carpentry - Trim.
- C. Section 08200 - Wood Doors.
- D. Section 08550 - Wood Windows

#### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store products indoors in manufacturer's unopened packaging until ready for installation.
- B. Protect work from moisture damage.

#### 1.5 PROJECT CONDITIONS

- A. Maintain relative humidity between 25 and 55 percent prior to starting installation. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.6 COORDINATION

- A. Coordinate work with electrical rough-in and installation of associated and adjacent components

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Nantucket BeadBoard Co., Inc. (The), which is located at: 109 Chestnut Hill Rd. Rochester, NH 03866; Tel: 501-679-4175; Fax: 603-330-0770; Email: [sales.admin@beadboard.com](mailto:sales.admin@beadboard.com); Web: [www.beadboard.com](http://www.beadboard.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### 2.2 MATERIALS

- A. Sheet Products: Nantucket BeadBoard MDF Medium density fiberboard, straight edge sheet products:
  - 1. Length:
    - a. 8 feet (2.44 m).
    - b. 10 feet (3.05 m).
    - c. 12 feet (3.66 m).
    - d. 16 feet (4.88 m).
  - 2. Width:
    - a. 48 inches (422 mm).
  - 3. Thickness:
    - a. 1/4 inch (6.3 mm).
    - b. 3/8 inch (9.5 mm).
    - c. 1/2 inch (12.7 mm).
    - d. 5/8 inch (16 mm) \*Custom Order Product\*.
    - e. 3/4 inch (19 mm) \*Custom Order Product\*.
  - 4. Bead Configurations:
    - a. 2 inch (51 mm) center to center beads with Standard Bead Profile.
    - b. 3 inch (76 mm) center to center beads with Standard Bead Profile.
    - c. 1-5/8 inch (41.3 mm) center to center beads with V-bead Profile.
    - d. 2-1/2 inch (64 mm) center to center beads V-bead Profile.
    - e. 4 inch (102 mm) center to center V-groove.
    - f. 6 inch (152 mm) center to center V-groove.
    - g. 8 inch (204 mm) center to center V-groove.
    - h. 4 inch (102 mm) center to center Channel Bead.
    - i. 6 inch (152 mm) center to center Channel Bead.
    - j. 8 inch (204 mm) center to center Channel Bead.
  - 5. Finish:
    - a. None.
    - b. Acrylic latex primer.
- B. Sheet Products: Nantucket BeadBoard MRI moisture resistant interior, straight edge sheet products:
  - 1. Length:
    - a. 8 feet (2.44 m).
    - b. 10 feet (3.05 m).
    - c. 16 feet (4.88 m).
  - 2. Width:
    - a. 48 inches (422 mm).
  - 3. Thickness: 1/2 inch (12.7 mm).
  - 4. Bead Configurations:
    - a. 2 inch (51 mm) center to center beads with Standard Bead Profile.
    - b. 3 inch (76 mm) center to center beads with Standard Bead Profile.
    - c. 1-5/8 inch (41.3 mm) center to center beads with V-bead Profile.
    - d. 2-1/2 inch (64 mm) center to center beads V-bead Profile.
    - e. 4 inch (102 mm) center to center V-groove.

- f. 6 inch (152 mm) center to center V-groove.
  - g. 8 inch (204 mm) center to center V-groove.
  - h. 4 inch (102 mm) center to center Channel Bead.
  - i. 6 inch (152 mm) center to center Channel Bead.
  - j. 8 inch (204 mm) center to center Channel Bead.
5. Finish:
- a. None.
  - b. Acrylic latex primer.
- C. Sheet Products: Nantucket BeadBoard MRX, moisture resistant exterior, straight edge sheet products manufactured with exterior grade moisture resistant exterior material:
- 1. Length:
    - a. 8 feet (2.44 m).
    - b. 16 feet (4.88 m).
  - 2. Width:
    - a. 48 inches (422 mm).
  - 3. Thickness: 1/2 inch (12.7 mm).
  - 4. Bead Configurations:
    - a. 2 inch (51 mm) center to center beads with Standard Bead Profile.
    - b. 3 inch (76 mm) center to center beads with Standard Bead Profile.
    - c. 1-5/8 inch (41.3 mm) center to center beads with V-bead Profile.
    - d. 2-1/2 inch (64 mm) center to center beads V-bead Profile.
    - e. 4 inch (102 mm) center to center V-groove.
    - f. 6 inch (152 mm) center to center V-groove.
    - g. 8 inch (204 mm) center to center V-groove.
    - h. 4 inch (102 mm) center to center Channel Bead.
    - i. 6 inch (152 mm) center to center Channel Bead.
    - j. 8 inch (204 mm) center to center Channel Bead.
  - 5. Finish:
    - a. None.
    - b. Acrylic latex primer.
- D. Shiplap Products: Nantucket BeadBoard MDF Medium density 1/2 inch (12.7 mm) shiplap edge products:
- 1. Length:
    - a. 8 feet (2.44 m).
    - b. 10 feet (3.05 m).
    - c. 12 feet (3.66 m).
    - d. 16 feet (4.88 m).
  - 2. Width and bead configuration:
    - a. 10 inches (254 mm) wide for 2 inch (51 mm) center to center beads with Standard Bead Profile.
    - b. 9 inches (229 mm) wide for 3 inch (76 mm) center to center beads with Standard Bead Profile.
    - c. 9-1/2 inches (241 mm) wide (nominal) for 1-5/8 inch (41.3 mm) center to center beads with V-bead Profile.
    - d. 10 inches (254 mm) wide (nominal) for 2-1/2 inch (64 mm) center to center beads with V-bead Profile.
    - e. 11 inch (280 mm) wide for 5-1/2 (140 mm) inch center to center with V-groove profile.
  - 3. Thickness: 1/2 inch (12.7 mm).
  - 4. Finish:
    - a. None.
    - b. Acrylic latex primer.
- E. Shiplap Products: Nantucket BeadBoard MRI Moisture resistant interior 1/2 inch (12.7 mm) shiplap

edge products:

1. Length:
  - a. 8 feet (2.44 m).
  - b. 10 feet (3.05 m).
  - c. 16 feet (4.88 m).
2. Width and bead configuration:
  - a. 10 inches (254 mm) wide for 2 inch (51 mm) center to center beads with Standard Bead Profile.
  - b. 9 inches (229 mm) wide for 3 inch (76 mm) center to center beads with Standard Bead Profile.
  - c. 9-1/2 inches (241 mm) wide (nominal) for 1-5/8 (41.3 mm) inch center to center beads with V-bead Profile.
  - d. 10 inches (254 mm) wide (nominal) for 2-1/2 inch (64 mm) center to center beads with V-bead Profile.
  - e. 11 inch (280 mm) wide for 5-1/2 (140 mm) inch center to center with V- groove profile.
3. Thickness: 1/2 inch (12.7 mm).
4. Finish:
  - a. None.
  - b. Acrylic latex primer.

F. Shiplap Products: Nantucket BeadBoard MRX moisture resistant exterior 1/2 inch (12.7 mm) shiplap edge products:

1. Length:
  - a. 6 feet.
  - b. 16 feet.
2. Width and bead configuration:
  - a. 10 inches (254 mm) wide for 2 inch (51 mm) center to center beads with Standard Bead Profile.
  - b. 9 inches (229 mm) wide for 3 inch (76 mm) center to center beads with Standard Bead Profile.
  - c. 9-1/2 inches (241 mm) wide for 1-5/8 (41.3 mm) inch center to center beads with V-bead Profile.
  - d. 10 inches (254 mm) wide for 2-1/2 inch (64 mm) center to center beads with V-bead Profile.
  - e. 11 inch (280 mm) wide for 5-1/2 (140 mm) inch center to center with V- groove profile.
3. Thickness: 1/2 inch (12.7 mm).
4. Finish:
  - a. None.
  - b. Acrylic latex primer.

### 2.3 ACCESSORIES

- A. Fasteners: Of sizes and types required to suit application.
- B. Adhesive: Of type suitable for use with the substrate.
- C. Primer: Alkyd primer sealer type.

### 2.4 FABRICATION

- A. Use of drilled pilot holes for screws and nails with water resistant materials may be necessary.
- B. Apply in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners and panel adhesive.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Verify adequacy of backing and support framing.
- D. For installation over existing surfaces, prep walls by removing any loose paint, plaster or wallpaper. Use nailing strips if required to level any uneven surfaces and provide a solid base for beadboard and trim.
- E. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. For interior applications condition panels prior to fabrication and installation by placing them in the room to be paneled, with spacers between each piece to allow for air circulation. Allow 48 to 72 hours for material to acclimate to the humidity and temperature of the room in which it applied.
- C. For exterior application allow 48 to 72 hours for materials to acclimate to the humidity and temperature of the area in which it is to be installed prior to fabrication and installation. Protective measures should be taken to prevent exposure to direct weather during the acclimation time period.
- D. Install beadboard over horizontal nailing strips attached between the studs or glued directly to drywall and plaster surfaces with a construction adhesive as indicated on the Drawings.
- E. In ceiling applications run material at right angles to the joists or install strapping to apply material parallel with joists, glue and nail accordingly.
- F. Maximum spans are as follows:
  - 1. 1/2 inch (12.5 mm) products require support every 16 inches (406 mm) on center.
  - 2. 3/8 inch (9.5 mm) products requires support every 12 inches (305 mm) on center.
  - 3. 1/4 inch (6 mm) products requires support every 12 inches (305 mm) on center.
- G. Start installation at an inside or outside corner. Space to avoid having to install very narrow pieces. Dry-fit the first panel, making any tapered or angled cuts necessary so that the leading edge is left plumb and level, with seams over studs or installed blocking.
- H. Set and secure materials and components in place, plumb and level.
- I. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch (1 mm).
- J. Apply adhesives in accordance with adhesive manufacturers instructions.
  - 1. Secure panels as necessary with finish nails.
  - 2. Test on samples to determine if it will be necessary to pre-drill holes for finish nailing when

- using moisture resistant products.
  - 3. Use a quality panel adhesive that maintains flexibility when cured to allow the panel to adjust with changes in temperature. Do not use hard or rigid setting adhesives.
  - K. Apply adhesives in accordance with adhesive manufacturers instructions. Secure panels as necessary with finish nails. Test on samples to determine if it will be necessary to pre-drill holes for finish nailing when using moisture resistant (MR) products.
  - L. Allow for wall and ceiling outlets, doors and windows.
  - M. Use of a thin bead of white paint grade caulk at each joint will help achieve a seamless look. Clean each joint before proceeding to the next panel.
  - N. Countersink exposed fasteners below the surface and cover with putty or wood patch and sand flush. Caulk all gaps and joints with painters caulk.
  - O. Finish your Beadboard with 1 or 2 coats of high quality latex or oil based paint.
  - P. Finish installation with moldings for baseboards, chair rails, inside and outside corners and ceiling to wall trims as indicated on the Drawings.
  - Q. Install trim with nails or blind fasteners where possible.
- 3.4 PROTECTION
- A. Protect installed products until completion of project.
  - B. Touch-up, repair or replace damaged products before Substantial Completion.

Comment [PS1]:

END OF SECTION