

## **SECTION 061535 - MODULAR WOOD PANEL DECKING**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section Includes:
  - 1. Modular wood panels for exterior elevated decking.
  - 2. Pedestal mounting systems for modular wood decking panels.
- B. Related Requirements:
  - 1. Section 061533 "Wood Patio Decking" for elevated lumber decking.
  - 2. Section 099300 "Staining and Transparent Finishing" for field finishing modular wood panel decking.

#### **1.2 ACTION SUBMITTALS**

- A. Product Data: For modular wood panels and pedestal mounting systems.
- B. Shop Drawings: Show locations and extent of modular wood panel decking. Include details for conditions where panels are adjacent to each type of construction.
  - 1. Include setting drawings showing layout, sizes, sections, profiles, and joint details of pedestal-supported modular wood panels.
- C. Samples: Full-size modules for wood panels, showing the range of variation to be expected in appearance of decking panels, including grain characteristics and color range.

#### **1.3 INFORMATIONAL SUBMITTALS**

- A. Qualification Data: For Installer.

#### **1.4 QUALITY ASSURANCE**

- A. Installer Qualifications: An experienced Installer who has specialized in work similar in material, design, and extent to that indicated for this Project.
- B. Mockups: Install modular wood panel decking systems, approximately 50 sq. ft. (5 sq. m) in area, to demonstrate mounting, joints between panels, and execution quality. Install modular panels and pedestal supports to demonstrate aesthetic effects, and set quality standards for materials and execution.

#### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Stack modular wood panels flat with spacers between each bundle to provide air circulation. Remove plastic wrapping materials. Protect materials from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.
- B. Store modular wood panels out of direct sunlight until start of installation, to prevent premature fading or weathering of wood.

## 1.6 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace modular wood panels that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 5 years from date of purchase.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Source Limitations: Obtain decking system materials, including modular wood panels and pedestals, from single source from single manufacturer, or from source recommended by manufacturer of modular wood panels.

### 2.2 MATERIALS, GENERAL

- A. Maximum Moisture Content of Lumber: 19 percent.

### 2.3 MODULAR WOOD PANEL DECKING

- A. General: Products acceptable to authorities having jurisdiction with current model code evaluation reports that show compliance with building code in effect for Project for indicated type of construction.
- B. Manufactured Decking Panels: Fabricated with solid hardwood lumber slats in configurations indicated, with continuous kerf edge profile. Include manufacturer's standard fastening kit for attachment of modular tiles to supports.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Bison Innovative Products, Denver CO (BisonIP.com, 800-333-42); Bison Wood Tiles, Model WT-IPE-48-SMOOTH with FS1 Fastening Kit.

2. Wood Species: Ipe.

3. Modular Panel Size: 24 by 48 inches (609 by 1219 mm).

4. Panel Thickness: 1.69 inches (43 mm).

5. Weight: 6 lbs./sq. ft.

6. Surface Texture: Smooth.

7. Fire Performance: Provide wood decking panel systems that comply with the following:

- a. Flame Spread: Class A per ASTM E 108.

- b. Smoke Spread: Class B per ASTM E 84.

8. Panel Fastening System: Manufacturer's standard system that fastens wood tiles to pedestals without penetrating or damaging wood, and allows removal of individual tiles after installation.

- C. Pedestal Mounting Systems: Modular panel manufacturer's recommended decking panel support assembly, including adjustable pedestals, and integrated base levelers to accommodate 0 to 1/2 inch (13 mm) per foot slope. Include manufacturer's optional pedestal bracing system as recommended for pedestal heights.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Bison Innovative Products, Denver CO (BisonIP.com, 800-333-42); Bison Wood Tiles, VERSADJUST Adjustable Deck Support.

2. Capacity: 1,250 lbs. per pedestal.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Set work to required levels and lines, with members plumb, true to line, cut, and fitted. Fit work to other construction; scribe and cope as needed for accurate fit.
- B. Install modular wood panel systems to comply with manufacturer's written instructions.
- C. Accurately install adjustable-height support pedestals and accessories to elevations required. Adjust for final level and slope, and tighten anchoring devices to secure panels to pedestals.
- D. Lay modular wood panels on pedestals, maintaining a uniform open joint width. Tightly seat modular panel units against spacers to eliminate lateral movement or drift of decking assembly, and so panels do not rock when subjected to foot traffic. Align joint patterns parallel in each direction.
  - 1. Lay out modular panels to avoid less-than-half-width units at perimeter or other terminations.
- E. Install modular panels to not vary more than 1/16 inch (1.6 mm) in elevation between adjacent units or more than 1/16 inch (1.6 mm) from surface plane elevation of individual panel.
- F. Limit variation in decking installation to within 1/4 inch in 10 feet (6 mm in 3 m) of surface plane in any direction; noncumulative.
- G. Limit gaps between outer edge of modular panels units and perimeter walls or other adjacent construction to 3/16 inch (5 mm) maximum width.

END OF SECTION