

SECTION 061053 – MISCELLANEOUS ROUGH CARPENTRY

1.1 SUMMARY

A. Section Includes:

1. Wood blocking, cants, and nailers.
2. Wood furring and grounds.
3. Wood sleepers.
4. Plywood backing panels.

1.2 MATERIALS

A. Maximum Moisture Content:

1. Boards: 19 percent.

B. Preservative Treatment:

1. Preservative Treatment: AWP A U1; Use Category UC2, but Use Category UC3b for exterior construction and Use Category UC4a for items in contact with ground.
  - a. Preservative Chemicals: Containing no arsenic or chromium.
2. Application: Items indicated and as follows:
  - a. Items in contact with waterproofing.
  - b. Items in contact with concrete or masonry.
  - c. Floor plates installed over concrete slabs-on-grade.

C. Fire-Retardant-Treatment:

1. Exterior type for exterior locations and where indicated.
2. Interior Type A unless otherwise indicated.
3. Application: Items indicated and as follows:
  - a. Concealed blocking.
  - b. Framing for non-load-bearing partitions.
  - c. Plywood backing panels.

D. Miscellaneous Lumber:

1. Dimension Lumber: Standard, Stud, or No. 3 grade any species.

E. Plywood Backing Panels:

1. Telephone and Electrical Equipment Backing Panels: DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated, in thickness indicated or, if not indicated, not less than 13-mm nominal thickness.
2. Flame-spread index of 25 or less when tested according to ASTM E 84, with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 3.2 m beyond the centerline of the burners at any time during the test.

F. Fasteners: Hot-dip galvanized steel where exposed to weather, in ground contact, in contact with treated wood, or in area of high relative humidity.

G. Miscellaneous Materials:

1. Adhesives for Adhesives for Gluing Furring and Sleepers to Concrete or Masonry: Formulation complying with [ASTM D 3498](#) that is approved for use indicated by adhesive manufacturer.
  - a. Use adhesives that have a low VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1.3 INSTALLATION

- A. Furring to Receive Plywood or Hardboard Paneling: ~~1-by-3-inch nominal-~~ (19-by-63-mm actual-) size furring at 600 mm o.c.

END OF SECTION 061053

SECTION 062023 - INTERIOR FINISH CARPENTRY

1.1 MATERIALS

- A. Preservative Treatment by Pressure Process: AWWA U1; Use Category UC2.
- B. Lumber: DOC PS 20 and the following grading rules:
  - 1. NeLMA: Northeastern Lumber Manufacturers' Association, "Standard Grading Rules for Northeastern Lumber."
  - 2. NHLA: National Hardwood Lumber Association, "Rules for the Measurement and Inspection of Hardwood & Cypress."
  - 3. NLGA: National Lumber Grades Authority, "Standard Grading Rules for Canadian Lumber."
  - 4. SPIB: The Southern Pine Inspection Bureau, "Standard Grading Rules for Southern Pine Lumber."
  - 5. WCLIB: West Coast Lumber Inspection Bureau, Standard No. 17, "Grading Rules for West Coast Lumber."
- C. Factory mark each piece of lumber with grade stamp of inspection agency indicating grade, species, moisture content at time of surfacing, and mill.
  - 1. For exposed lumber, mark grade stamp on end or back of each piece, or omit grade stamp and provide certificates of grade compliance issued by inspection agency.
- D. Softwood Plywood: DOC PS 1.
- E. Hardboard: AHA A135.4.
- F. MDF: ANSI A208.2, Grade 130, made with binder containing no urea-formaldehyde resin.
- G. Particleboard: ANSI A208.1.
- H. Melamine-Faced Particleboard: Particleboard complying with ANSI A208.1, Grade M-2, finished on both faces with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD3, Grade VGL, for test methods 3.3, 3.4, 3.6, 3.8, and 3.10.
  - 1. Color: As selected by the Engineer.
- I. High-Pressure Decorative Laminate (Plastic Laminate): NEMA LD 3 – HGS.
- J. Accommodation Units.
- K. Fire-Retardant-Treated Lumber and Plywood by Pressure Process: Products with a flame-spread index of 25 or less when tested according to ASTM E 84, with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 3.2 m beyond the centerline of the burners at any time during the test.
  - 1. Kiln dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent respectively.

1.2 WOOD BASE

- A. Species: As selected by the Engineer.

- B. Colour: white.
- C. Finish: Opaque.
- D. Size and Dimensions: As indicated on drawings.
- E. Contractor to provide samples for Engineering approvals.

### 1.3 INSTALLATION

- A. Do not use materials that are unsound, warped, improperly treated or finished, inadequately seasoned, too small to fabricate with proper jointing arrangements, or with defective surfaces, sizes, or patterns.
- B. Install interior finish carpentry level, plumb, true, and aligned with adjacent materials. Use concealed shims where necessary for alignment.
  - 1. Scribe and cut interior finish carpentry to fit adjoining work. Refinish and seal cuts as recommended by manufacturer.
  - 2. Where face fastening is unavoidable, countersink fasteners, fill surface flush, and sand unless otherwise indicated.
  - 3. Install to tolerance of 3 mm in 2438 mm for level and plumb. Install adjoining interior finish carpentry with 0.8-mm maximum offset for flush installation and 1.5-mm maximum offset for reveal installation.
  - 4. Coordinate interior finish carpentry with materials and systems in or adjacent to it. Provide cutouts for mechanical and electrical items that penetrate interior finish carpentry.
- C. Board Paneling: Installed without end joints

END OF SECTION 062023

## SECTION 064113 - WOOD-VENEER-FACED ARCHITECTURAL CABINETS

### 1.1 SUMMARY

- A. Section Includes wood cabinets for transparent and opaque finish.

### 1.2 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: WI's Certified Compliance Program licensed participant.
- B. Mockups for typical architectural wood cabinets.

### 1.3 WOOD CABINETS FOR TRANSPARENT FINISH

- A. Architectural Woodwork Standards Grade: Premium.
- B. Type of Construction: Frameless.
- C. Door and Drawer-Front Style: Flush overlay.
- D. Wood for Exposed Surfaces:
  - 1. Species: Oak veneer.
  - 2. Cut: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
  - 3. Veneer Matching:
    - a. Veneer Leaves: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer. .
    - b. Within Panel Faces: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
    - c. Cabinet veneers in each space from a single flitch.
- E. Semi-exposed Surfaces: Thermally fused laminate panels.

### 1.4 WOOD CABINETS FOR OPAQUE FINISH

- A. Architectural Woodwork Standards Grade: Premium.
- B. Type of Construction: Frameless.
- C. Door and Drawer-Front Style: Flush overlay.
- D. Semiexposed Surfaces: Thermally fused laminate panels

### 1.5 MATERIALS

- A. Fire-Retardant-Treated Materials: As per Local Fire Code and Standards.
- B. Cabinet Hardware: Provide Samples for Engineer's approval.

1. Hinges: Frameless, concealed.
2. Pulls: Wire.
3. Adjustable shelf supports.

1.6 FINISHING

- A. Transparent Finish: Premium grade.
  1. Shop finished.

END OF SECTION 064113

SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

1.1 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: WI's Certified Compliance Program licensed participant. YOUR SELECTION SHOULD BE CONSISTANT IN ALL WOOD SECTIONS
- B. Mockups for typical plastic-laminate cabinets.

1.2 PLASTIC-LAMINATE-CLAD CABINETS

- A. Architectural Woodwork Standards Grade: Premium.
- B. Type of Construction: Frameless.
- C. Door and Drawer-Front Style: Flush overlay.
- D. Laminate Cladding for Exposed Surfaces:
  - 1. Horizontal Surfaces: Grade HGS.
  - 2. Postformed Surfaces: Grade HGP.
  - 3. Vertical Surfaces: Grade VGS.
- E. Materials for Semiexposed Surfaces: High-pressure decorative laminate, NEMA LD 3, Grade VGS.

1.3 MATERIALS

- A. Fire-Retardant-Treated Materials: as per building and fire codes and regulations.
- B. Cabinet Hardware: Provide Samples for Engineer's approval.
  - 1. Hinges: Frameless, concealed.
  - 2. Pulls: Push to open.].
  - 3. Adjustable shelf supports.

END OF SECTION 064116

## SECTION 064216 - FLUSH WOOD PANELING

### 1.1 RELATED DOCUMENTS

- A. “Design and Build Contractor Scope of Work (Build Scope) for NIC Village - Residential Package (ref. 03-730000-0000100120-DAH-DES-SOW-000002).”

### 1.2 RELATED SECTIONS

- A. Section 018113 – Sustainable Design Requirements: This section is to be read in compliance with Section 018113 to ensure coordination, drawings, key personnel assignment and project meetings, throughout design, procurement and construction stages, all include requirements for sustainable compliance during design and construction as required by NEOM standards and procedures and in compliance with sustainability guidelines and third-party certifications, as applicable.

### 1.3 SUSTAINABILITY REQUIREMENTS

- A. LEED v4.1 :
  - 1. Recycled content.
  - 2. Regional materials.
  - 3. Certified wood.
  - 4. Low-emitting composite wood products.

### 1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: WI's Certified Compliance Program licensee.
- B. Mockups for typical paneling.

### 1.5 FLUSH WOOD PANELING FOR TRANSPARENT FINISH

- A. Grade: Premium.
- B. Wood Species and Cut: Oak.
- C. Matching of Adjacent Veneer Leaves: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
- D. Matching within Panel Face: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
- E. Matching of Adjacent Veneer Leaves and within Panel Face: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
- F. Panel-Matching Method: Premanufactured sets used full width.
- G. Vertical Panel-Matching Method: Contractor to provide samples to meet the design intent as shown in the Concept Design Report and as approved by the Engineer.
- H. Fire-Retardant-Treated Paneling: Flame-spread index of 25 or less, if required by Local Codes.



1.6 FINISHING

A. Transparent Finish: Premium grade

1. Shop finished.

END OF SECTION 064216

SECTION 064219 - PLASTIC-LAMINATE-FACED WOOD PANELING

1.1 SUMMARY

A. Section Includes:

1. Plastic-laminate-faced wood paneling.

1.2 QUALITY ASSURANCE

- A. Fabricator Qualifications: WI's Certified Compliance Program licensee.
- B. Mockups for typical paneling.

1.3 PLASTIC-LAMINATE-FACED WOOD PANELING

- A. Grade: Premium.
- B. Faces: Grade HGS
- C. Color: As selected by the Engineer.

END OF SECTION 064219