SECTION 061500 – WOOD DECKING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this Section.

1.2 SUMMARY
A. Section Includes:
   1. (Choose) [Solid-sawn wood roof decking], [laminated wood decking].

B. Related Sections:
   [Insert as required]

1.3 ACTION SUBMITTALS
A. Product Data: For each type of product indicated.
   1. For glued-laminated wood decking, include installation instructions and data on lumber, adhesives, and fabrication.
   2. For preservative-treated wood products, include chemical treatment manufacturer's written instructions for handling, storing, installing, and finishing treated material.

B. LEED Submittals: (If required)
   1. Certificates for Credit MR 7: Chain-of-custody certificates indicating that wood decking complies with forest certification requirements. Include documentation that manufacturer is certified for chain of custody by an FSC-accredited certification body. Include statement indicating cost for each certified wood product.
   2. Product Data for Credit IEQ 4.4: For laminating adhesive used for glued-laminated decking, documentation indicating that product contains no urea formaldehyde.

C. Samples: Showing the range of variation to be expected in appearance of wood decking.

1.4 QUALITY ASSURANCE

1.5 DELIVERY, STORAGE, AND HANDLING
A. Schedule delivery of wood decking to avoid extended on-site storage and to avoid delaying the Work.

B. Store materials under cover and protected from weather and contact with damp or wet surfaces. Provide for air circulation within and around stacks and under temporary coverings. Stack wood decking with surfaces that are to be exposed in the final Work protected from exposure to sunlight.
PART 2 - PRODUCTS

2.1 SUPPLIER
A. Timber Systems LLC, 162 S. Saginaw St., Lapeer, MI 48446, (810) 245-6212, fax: (810) 245-6214, www.timbersystems.com

2.2 WOOD DECKING, GENERAL
A. General: Comply with applicable grading rules of inspection agencies SPIB or WWPA.
B. [If required] Certified Wood: Wood decking shall be produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
C. Moisture Content: Provide wood decking with 15 percent maximum moisture content at time of dressing.

2.3 Choose: [SOLID SAWN] OR [GLUED-LAMINATED] WOOD DECKING
A. Face Species: (Choose) [Douglas fir-larch], [Southern Yellow Pine].
B. Decking Nominal Size: (Choose) [2x6], [3x6], [4x6], and [5x6].
C. Decking Configuration: Indicated to be of (Choose) [Random Length and End Matched], [Simple Span], [Two Span]
D. Solid Sawn Face Grade: (Choose) [#2], [#1], [Select] / Laminated Face Grade: (Choose) [Decorative Grade], [Supreme – highest grade, where a “clear” desired].
E. Face Surface: Smooth sanded.
F. Standard Pattern: (Choose) [Edge Vee one Side], [Bull Nose], or [Channel Groove].
G. Moisture Content: not to exceed 15% at time of manufacture.
H. Laminating Adhesive: Wet-use type complying with ASTM D 2559.
  1. Adhesives shall contain no urea-formaldehyde resins.

2.4 ACCESSORY MATERIALS
A. Fasteners for Solid-Sawn Decking: Provide fastener size and type complying with decking standard for thickness of deck used.
B. Fasteners for Glued-Laminated Decking: Provide fastener size and type complying with requirements in "Installation" Article for installing laminated decking.
C. Wiped On Penetrating Sealer: Alkyd based penetrating stain sealer selected from manufacturers full range of colors.

2.5 FABRICATION
A. Predrill solid decking greater than 2” thickness for lateral spiking to adjacent units to comply with referenced decking standard.

2.6 FACTORY FINISHING

A. Wiped Stain Finish: Manufacturer’s standard, dry-appearance, penetrating alkyd stain and sealer, air dried and resistant to mildew and fungus.
   1. Provide color selected by Architect from manufacturer’s full range of colors.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls and support framing in areas to receive wood decking for compliance with installation tolerances and other conditions affecting performance of wood decking.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install wood decking to comply with referenced decking standard.
   1. Locate end joints for (choose one) [controlled random lay-up], [simple span], [two span]
   2. Nail each course of glued-laminated wood decking at each support with one nail slant nailed above the tongue and one nail straight nailed through the face.
      a. Use 12d nails for 2x6 and 2x8 decking.
      b. Use 30d nails for 3x6 and 3x8 decking.
      c. Use 60d nails for 4x6 and 4x8 decking. Predrill decking to prevent splitting.
      d. Use 30d tongue nails in bottom tongue and 3/8-inch (10-mm) face spikes for 5x6 and 5x8 decking. Predrill decking at spikes to prevent splitting.
   3. Slant nail each course of glued-laminated wood decking to the tongue of the adjacent course at 30 inches (750 mm) o.c. and within 12 inches (300 mm) of the end of each unit. Stagger nailing in adjacent courses 15 inches (380 mm).
      a. Use 6d nails for 2x6 and 2x8 decking.
      b. Use 8d nails for 3x6 and 3x8 decking.
      c. Use 10d nails for 4x6 and 4x8 decking.
      d. Use 16d nails for 5x6 and 5x8 decking.

B. Apply joint sealant to seal roof decking at exterior walls at the following locations:
1. Between decking and supports located at exterior walls.
2. Between decking and exterior walls that butt against underside of decking.
3. Between tongues and grooves of decking over exterior walls and supports at exterior walls.

3.3 ADJUSTING

A. Repair damaged surfaces and finishes after completing erection. Replace damaged decking if repairs are not approved by Architect.

3.4 PROTECTION

A. Provide temporary waterproof covering as the Work progresses to protect roof decking until roofing is applied.

End Of Section