DIVISION 6 –WOOD, PLASTICS & COMPOSITES

SECTION 06 1000 – ROUGH CARPENTRY

1. General: This section outlines general requirements for rough carpentry.

2. Design Considerations:

   a. Rough Carpentry:

      i. Lumber products shall meet a minimum grade standard of “No. 2 or better.”

      ii. Load bearing lumber shall meet the following minimum working stresses:
          \[ f = 1,000 \text{ psi}, \quad H = 135 \text{ psi} \quad \text{and} \quad E = 1,300,000 \text{ psi}. \]

      iii. Wood products used in wet locations (windows, roofs, etc.) shall be moisture-treated. Moisture-treated lumber shall be kiln-dried following treatment.

      iv. Interior wood blocking shall be fire-treated lumber.

   b. Wood Trusses:

      i. Truss supplier shall be responsible for submitting engineered calculations stamped by an engineer registered in the State of Illinois.

      ii. Truss calculations shall account for mechanical and electrical utilities supported from the bottom chord of the trusses.

      iii. The minimum bottom chord member size shall be nominal 2x6.

END OF SECTION
DIVISION 6 – WOOD, PLASTICS & COMPOSITES

SECTION 06 4000 – ARCHITECTURAL WOODWORK

1. General: This section outlines general requirements for architectural woodwork.

2. Quality Assurance:
   a. Single Source Manufacturing and Installation Responsibility: Require a qualified Manufacturer to assume sole responsibility for woodwork, including fabrication, finishing, and installation.
   b. FSC Certified Wood: Review project specific requirements with NU Project Manager.

3. Woodwork:
   a. Woodwork: AWI “Custom” grade typical; “Premium” grade for door frames and sidelights and for laboratory casework.
   b. Include the following for laboratory casework:
      i. Five knuckle exposed hinges;
      ii. Solid wood drawer sides;
      iii. Plywood drawer bottoms with chemical/moisture resistant finish;
      iv. 150 lb. drawer glides with return;
      v. Solid, epoxy resin tops;
      vi. Chemical resistant plastic laminate shelving;
      vii. Under cabinet lighting.

4. Wood Materials:
   a. General: Comply with applicable requirements of AWI Section 100.
   b. Formaldehyde Emission Levels: Comply with formaldehyde emission requirements of each voluntary AWI standards.

END OF SECTION
This page intentionally left blank