

## **1.0 GENERAL**

### **1.1 Related Scope of Work and UBC Guidelines**

- .1 Section 05 50 00 Metal Fabrications
- .2 Section 06 10 00 Rough Carpentry
- .3 Section 07 40 00 Cladding
- .4 Section 07 62 00 Sheet Metal Flashing and Trim
- .5 UBC LEED Implementation Guide

### **1.2 Related External Documents**

- .1 Latest edition of the British Columbia Building Code (BCBC).

### **1.3 Description**

- .1 General requirements for wood structures on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.

### **1.4 Coordination**

- .1 In instances where conflicts are found between the UBC Technical Guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.
- .2 These guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications. Construction documents are not to reference the technical guidelines directly.
- .3 The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.

## **2.0 DESIGN AND PERFORMANCE REQUIREMENTS**

### **2.1 Design Requirements**

- .1 Wood structures, including those falling under Part 9 of the BC Building Code, are to be engineered in accordance with Part 4 of the Building Code.
- .2 Design building structures and their structural components for a 100-year service life. Coordinate with the UBC Technical Guidelines Performance Objectives located [here](#).
- .3 Oriented strand board shall not be used for sheathing of wood frame shear walls.

### **2.2 Performance Requirements**

- .1 Ensure that the maximum permitted moisture content of wood members do not exceed the limits specified in the Building Envelope section of these guidelines or 19%, whichever is more restrictive.
- .2 Protect susceptible wood products from moisture penetration

## **3.0 MATERIAL REQUIREMENTS**

### **3.1 Product Selection**

- .1 Where wall sill plates are located above concrete, use preservative treated wood plates installed on foam sill gaskets.
- .2 Do not use finger-jointed studs for members in tension.
- .3 Sub floors shall be constructed with exterior grade tongue and groove plywood, glued and screwed in place.

\*\*\*END OF SECTION\*\*\*