

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