

1.0 GENERAL

.1 Related to BCIT Guidelines

- .1 Section 06 20 00 Finish Carpentry
- .2 Section 06 40 00 Architectural Woodwork

.2 Coordination Requirements

- .1 Section 27 00 00 COMM Room Fittings. Fire retardant plywood is to be installed for the backboards in all COMM Rooms. Ensure material rating information remains visible (i.e. not painted over).

.3 Wood Construction – Structural Requirements

- .1 Design building structures and their components for a 100 year service life.
- .2 Structural design to conform to the Authorities Having Jurisdiction.
- .3 Wood frame structures must be designed to Part 4 of the BC Building Code, not Part 9.
- .4 Drawings to include a summary of the structural systems and to provide supplementary information as required.
- .5 Ensure that the design and field review of non-structural components is covered in the contract documents (drawings and/or specifications).

2.0 QUALITY ASSURANCE

.1 Regulatory Requirements

- .1 Conform to applicable code for fire retardant requirements.

3.0 PRODUCTS

.1 Materials

- .1 Materials and design should ideally exceed current adopted BC Building Code requirements.
- .2 Where wall sill plates are located above concrete, use preservative treated wood plates installed on foam sill gaskets.
- .3 Protect susceptible wood products from moisture penetration.

.2 Lateral Load – Resisting Systems

- .1 Use only plywood shear walls (or other acceptable engineered systems complying with Part 4 of the current adopted BC Building Code) to provide the lateral load resistance of wood frame structures.

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

- .2 Do not use gypsum wallboard in contributing to the lateral load resistance of wood frame structures.
- .3 Do not use oriented strand board for sheathing of wood frame shear walls.
- .4 Continuity of the plywood floor diaphragm must be maintained on all floors. Do not cut or stop the plywood at party-wall locations.

*** END OF **WOOD STRUCTURES – GENERAL REQUIREMENTS** SECTION ***