1.1 **GENERAL**

1.2 Related Technical Requirements

.1 Section 06 10 00 Rough Carpentry

1.3 Coordination Requirements

.1 Section 27 05 00 Common Work Results, and Section 27 11 00 Telecommunications Room Fittings, the general contractor must install plywood for the back-boards of all Communications Rooms in a professional manner. Fire rated plywood must be used and must be painted prior to mounting any equipment (fire resistant label must be visible throughout). Preference is to have boards furred out of walls. SFU IT must review all communication rooms design prior approval/construction.

.2 All trades.

1.4 Wood Construction – Structural Requirements

.1 Design building structures and their components for a 100 year service life.

.2 Structural design to conform to the BC Building Code.

.3 Drawings to include a summary of the structural systems and to provide supplementary information as required.

.4 Sustainable design principles have been considered for the project. LEED requirements selected by SFU have been satisfied.

.5 Ensure that the design and field review of non-structural components is covered in the contract documents (drawings and/or specifications).

.6 Ensure that the independent structural concept review has been completed. Concept reviewer to submit a sealed letter to SFU Facilities confirming completion of the review.

1.5 Materials

.1 Materials and design should ideally exceed BC Building Code requirements.

.2 Materials should be provided within local code and environmental requirements.
1.6 Lateral Load-Resisting Systems

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

.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 SECTION***