1.0 GENERAL

1.1 Related UBC Guidelines
   .1 Section 06 10 00 Rough Carpentry

1.2 Coordination Requirements
   .1 Section 27 05 05 Communication Rooms Design Guidelines, 1.5.2. The General Contractor must install plywood for the back-boards of all Communications Rooms not only in a professional manner, but also according to UBC’s IT Guidelines sub-section 1.5.2.
   .2 All trades.

1.3 Wood Construction – Structural Requirements
   .1 Design building structures and their components for a 100 year service life.
   .2 Drawings to include a summary of the structural systems and to provide supplementary information as required.
   .3 Increase live loads for specific occupancies as per Table UBC 4.1.6.3.
   .4 Design light roofs for a minimum net factored uplift of 1.0 kPa.
   .5 Ensure that the design and field review of non-structural components is covered in the contract documents (drawings and/or specifications).

1.4 Materials
   .1 Do not use Part 9 of the BCBC for structural design of wood frame structures. Wood frame structures must be designed to Part 4 of the BC Building Code.
   .2 Where wall sill plates are located above concrete, use preservative treated wood plates installed on foam sill gaskets.
   .3 Do not use finger-jointed studs for members in tension.
   .4 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.
   .5 Protect susceptible wood products from moisture penetration.
   .6 Sub floors shall be constructed with exterior grade tongue and groove plywood, glued and screwed in place.

1.5 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***