1.1 **GENERAL**

1.2 Related SFU Technical Requirements

.1 *Section 01 35 43.13 Environmental Procedures for Hazardous Materials*
.2 *Section 02 41 00 Demolition*
.3 *Section 09 00 10 Finishes – General Requirements*

1.3 Performance Standards

.1 Association of Wall and Ceiling Contractors of British Columbia (AWCC) Specifications Standards Manual.

2.1 **MATERIALS**

2.2 Performance Requirements

.1 Environmental

.1 Consider utilizing board with a high percentage of recycled gypsum.
.2 Prefer low volatile organic compound (VOC) emitting joint compounds.
.3 Consider the use of paper joint tape instead of fiberglass. (Use only where recommended by the board manufacturer.)
.4 Use water resistant board and other specialty boards only where absolutely necessary as these products are not easily recycled.
.5 Manufacture

.1 Gypsum board shall be with a high percentage of recycled gypsum.
.2 Joint compound shall be low VOC.
.3 Joint tape shall be paper, fiberglass only where recommended by the board or surface treatment manufacturer.

2.3 Prescriptive Requirements

.1 Materials

.1 The use of exterior "gypsum board" is not permitted in any long term installation except at much protected locations. Instead utilize reinforced cement board or gypsum sheathing with a silicone treated gypsum core bonded to inorganic fiberglass matt both sides or, where possible, consider the use of plywood.

.2 In wet areas use re-enforced cement boards or boards with a silicone treated gypsum core bonded to in-organic fiberglass mat on both sides.

.2 Components

.1 Gypsum Wallboard, standards per AWCC Manual, and as follows:

.1 Type shall be regular for vertical surfaces.
.2 Typical preferred thickness shall be 5/8".
.3 Type shall be 'X' type where required for fire-resistance-rated assemblies, or 'C' where this type is noted at ULC Designs.
.4 Type shall be sag-resistant type for ceiling surfaces.
.5 Edges shall be tapered.

.2 Acoustical sealant for exposed Joints shall be manufacturer's standard non-sag, paintable, non-staining latex sealant to ASTM C 834.
.3 Finishes

.1 Refer to GA-214 Manual for description of level of gypsum wallboard finishing.

.4 Execution

.1 Use finishing techniques that reduce the amount of sanding required (i.e. finishing with a wet sponge).

.2 Heat and ventilate area when curing to quickly remove VOC’s, avoid propane heaters due to high moisture generation.

.3 To avoid the absorption of VOC’s from other material; store gypsum in a well ventilated area and apply paint or other surface treatment as soon as possible after installation.

.4 Install gypsum panels with face side out, except where gypsum panel is the substrate for ceramic tile work where backside shall face out.

***END OF SECTION***