

1.0 **GENERAL**

1.1 **Related *Work and* UBC Guidelines**

- .1 *Section 07 21 00 Thermal Insulation*
- .2 Section 09 00 10 Finishes – General Requirements
- .3 *Section 09 21 16 Gypsum Board Assemblies*
- .4 *UBC Resilience-Based Design Guide for Nonstructural Systems*

1.2 ***Related External Documents***

- 1. AWCC / WCI (Association of Wall and Ceiling Contractors / Wall and Ceiling Institute) Specification Standards Manual 2012 (Fifth Edition).
- 2. *Seismic requirements where stipulated by the latest edition of the British Columbia Building Code (BCBC).*

1.3 ***Description***

- 1. *Non-structural steel stud framing.*

1.4 ***Coordination***

- .1 *The Guidelines apply to all work completed within buildings on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.*
- .2 *In instances where conflicts are found between these guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.*
- .3 *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.*
- .4 *The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.*

1.5 **Quality Control and Assurance**

- .1 Quality Assurance
 - .1 All seismic restraint work including *provision of* anchoring devices is to be designed and certified by a professional *structural* engineer registered in *the Province of BC*.
- .2 Submittals
 - .1 Shop drawings *in O&M manual: required* for all *seismically* restrained engineered studwork, bracing, and suspension systems, including where such systems act as support for work requiring seismic restraints (i.e. laboratory and other cabinets, fume hoods, vending machines, etc.).

2.0 **DESIGN AND PERFORMANCE REQUIREMENTS**

2.1 ***Design Requirements***

- .1 Maximum stud spacing: 16" oc.
- .2 Provide allowance for deflection of structure minimum 1".

2.2 ***Performance Requirements***

- .1 Life Cycle - 25-Year

3.0 **MATERIALS**

3.1 *Product Selection*

- .1 *Acceptable to UBC:*
 - .1 Metal channel carriers and stiffeners: thick cold rolled steel, galvanized.
 - .2 Acoustical Sealant: meeting CGSB 19-GP-21M.
 - .3 Apply a double bead of acoustic sealant 3/8" (10 mm) from each edge, to all partition tracks prior to securing.
 - .4 Minimum Metal Stud Gauge:
 - .1 0.46 mm (25 gauge) except as otherwise required.
 - .2 0.88 mm (light duty 20 gauge) at the following locations:
 - .1 *Double* studs on either side of door frames and header.
 - .2 Studs supporting ceramic tile finishes.
 - .3 Ceiling deflection track.

END OF SECTION