

## 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\*\*\*