

1.0 GENERAL

.1 Requirements Include

- .1 Light Gauge metal stud wall and ceiling framing.
- .2 Metal channel ceiling framing.
- .3 Shaft wall assemblies.
- .4 Accessories.

.2 General Requirements

- .1 Provide engineered design of load bearing exterior steel stud framing or have subcontractor provide engineering.
- .2 Fire Resistance Rated Walls and Ceilings. Provide installation requirements of testing agency for wall and ceiling systems detailed on Drawings. Do not vary from specified systems.

.3 BCIT Sustainability Requirements

- .1 Sustainability Goals - Mandatory Compliance: comply with goals as required by BCIT.

.4 Abbreviations

- .1 FCD refers to Facilities and Campus Development, British Columbia Institute of Technology, which acts as the Owner's Representative.

.5 References

- .1 B.C. Wall and Ceiling Association Specification Standards Manual – current adopted edition.
- .2 British Columbia Building Code (BCBC), current adopted edition.

.6 Performance Requirements

- .1 Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated by a qualified independent testing agency acceptable to authorities having jurisdiction.
- .2 Specify appropriate gauge and arrangement of studs to meet acoustic requirements. Specify appropriate accessories to meet acoustic requirements.
- .3 Work shall conform to Association of Wall and Ceiling Contractors of B.C. (AWCC) Standards.

2.0 ADMINISTRATIVE AND SUBMITTAL REQUIREMENTS

.1 Coordination Requirements

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

- .1 Early in the design process, review design intent and additional requirements with FCD.

.2 BCIT Submittals and Notifications

- .1 Samples are not required to be submitted.

3.0 QUALITY ASSURANCE

.1 General

- .1 Perform Work in accordance with ASTM C840, GA-214, GA-216 and GA-600.
- .2 Installer Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

.2 Regulatory Requirements

- .1 Specify and detail conformance to applicable code for fire rated assemblies using listed assembly by ULC or similar UL listed design assemblies acceptable to authorities having jurisdiction.

4.0 PRODUCTS

.1 Framing Materials

- .1 Studs and Tracks – General:
 - .1 Minimum 0.79 mm base thickness of metal (0.84 mm at door openings) complete with minimum Z180 zinc coating, Z275 minimum in washrooms and showers.
 - .1 Note that gauge of studs is to be increased where required.
- .2 Firestop Tracks:
 - .1 Specify firestop track at head of shaft wall on each floor level.
- .3 Sheet Metal Reinforcement:
 - .1 Galvanized to Z180, minimum 1.5 mm thick.
 - .2 Provide continuous sheet metal reinforcement for all wall mounted accessories including but not limited to the following:
 - .1 Chair rails.
 - .2 Handrails.
 - .3 Washroom accessories.

*** END OF **NON-STRUCTURAL METAL FRAMING** SECTION ***