

## 1.0 **GENERAL**

### 1.1 **Related Scope of Work and UBC Guidelines**

- .1 Section 05 50 00 Metal Fabrications
- .2 Section 07 00 10 Building Envelope – General Requirements
- .3 Section 07 40 00 Cladding
- .4 Section 07 62 00 Sheet Metal Flashing and Trim
- .5 UBC LEED Implementation Guide
- .6 UBC Campus Plan Design Guidelines (Vancouver and Okanagan) - for metal screens and fences in the public realm.

### 1.2 **Related External Documents**

- .1 Latest edition of the British Columbia Building Code (BCBC).

### 1.3 **Description**

- .1 General requirements for steel structures on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.

### 1.4 **Coordination**

1. In instances where conflicts are found between the UBC Technical Guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.
2. 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.
3. The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.

## 2.0 **DESIGN AND PERFORMANCE REQUIREMENTS**

### 2.1 **Design Requirements**

1. Design building structures and their structural components for a 100-year service life. Refer to the Technical Guidelines Performance Objectives located here.
2. Structural design shall conform to Part 4 of the latest edition of the BC Building Code (BCBC). Live loads should be determined as per the BCBC for specific occupancies.

### 2.2 **Performance Requirements**

- .1 Metal fabrications where noted to be galvanized are to be hot-dipped galvanized.

## 3.0 **MATERIAL REQUIREMENTS**

### 3.1 **Product Selection**

- .1 All structural steel to be shop primed except for the appropriate exclusions.
- .2 Exterior ledger angles and related components are to be galvanized for corrosion protection.
- .3 Where decking is specified, use only galvanized steel decking as suitable for the exposure of the decking (interior or exterior).

\*\*\*END OF SECTION\*\*\*