

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