INDEX

Section 05 00 00  Metals
Section 05 50 00  Metal Fabrications
1.0 GENERAL

1.1 Steel Construction – Structural Requirements

.1 Design building structures and their structural components for a 100 year service life.

.2 Structural design to conform to Part 4 of the BC Building Code.

.3 Increase live loads for specific occupancies as per the BC Building Code section 4.1.6 and more specifically Table 2.2.2 in the Technical Guidelines. 
http://www.technicalguidelines.ubc.ca/technical/structural_design_snow_loads.html

.4 Design light roofs for a minimum net factored uplift of 1.0 kPa.

.5 Refer to the UBC Vancouver Campus Plan – Part 3 Design Guidelines, Section 2.6.5 for guidelines relating to the design and choice of materials for screens and fences in the landscape.

1.2 Materials

.1 Ensure that the contract documents require 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***
1.0 GENERAL

1.1 Related UBC Guidelines
.1 Section 05 00 00 Metals

1.2 Co-ordination Requirements
.1 All trades.

1.3 Description
.1 Miscellaneous metal fabrications including:
   .1 Handrails, guards and balustrades (handrails & guardrails attached to or inside buildings are considered to be structural items requiring certified welding).
   .2 Non-structural steel angles, plates, brackets and closures.
   .3 Metal stairs and ladders.
   .4 Loose steel lintels.
   .5 Rough hardware and fasteners.
   .6 Burglar bars.

1.4 Performance Standards
.1 Determine applicable CSA, ASTM, and similar standards.

2.0 MATERIALS

2.1 Performance Requirements
.1 None.

2.2 Prescriptive Requirements
.1 Materials
   .1 Fabricated steel components exposed to exterior: hot dip galvanized.
   .2 All exterior ledger angles and related components (connections, bolts, plates, etc.): hot dip galvanized.
   .3 Zinc Rich Galvanized Primer for touch-up work.
   .4 High zinc dust content paint for re-galvanizing welds in galvanized steel, conform to ASTM A780/A780M-09.

***END OF SECTION***