Building Codes and CWB

STEEL BUILDING SYSTEMS

National & Provincial Building Codes-
Section 4.3.4.3
Steel Building Systems
"Steel building systems shall be manufactured by companies certified in accordance with the requirements of CSA A660, 'Certification of Manufacturers of Steel Building Systems' "

CSA A660 Certification of Manufacturers of Steel Building Systems

STRUCTURAL STEEL

National & Provincial Building Codes-
Section 4.3.4.1
Design Basis for Structural Steel
"Buildings and their structural members made of structural steel shall conform to CAN/CSA S16-09, Design of Steel' Structures"

CAN/CSA S16-09 Design of Steel Structures

Clause 16.5.16 Welding Open Web Steel Joists

Clause 16.8.5 Installation of Steel Deck

Clause 24.3 Fabricator and Erector Qualification

Clause 24.2 Resistance Welding

Clause 28.7 Steel Building Systems

CSA A660 Certification of Manufacturers of Steel Building Systems

COLD FORMED STEEL

National & Provincial Building Codes-
Section 4.3.4.2
Design Basis for Cold Formed Steel
"Buildings and their structural members made of cold formed steel shall conform to CAN/CSA S136-07 North American Specification for the Design of Cold Formed Steel Structural Members"

CAN/CSA S136-07 North American Specification for the Design of Cold-formed Steel Structural Members

Clause E2a Welding Connections

CSA W55.3 Certification of Companies for Resistance Welding of Steel and Aluminum

CSA W47.1- 2009 Certification of Companies for Fusion Welding of Steel

CONCRETE

National & Provincial Building Codes-
Section 4.3.3.1
Design Basis for Plain, Reinforced and Pressed Concrete
"Buildings and their structural members made of plain, reinforced or prestressed concrete shall conform to CSA A23.3-04 Design of Concrete Structures"

CSA A23.3-04 (R2010) Design of Concrete Structures

CSA A23.1-09 Concrete Materials and Methods of Concrete Construction

Clause 6.6.10 Welding of Reinforcement

Clause 6.7 Welding of Hardware

CSA W186 Welding of Reinforcing Bars in Reinforced Concrete Construction

CSA W59 Welded Steel Construction (Metal Arc Welding)

STRUCTURAL ALUMINUM

National & Provincial Building Codes-
Section 4.3.5.1
Design Basis for Aluminum
"Buildings and their structural members made aluminum shall conform to CSA S157-05 Strength Design in Aluminum"

CSA S157-05 (R2010) Strength Design in Aluminum

Clause 18.8 Welding

CSA W47.2 Certification of Companies for Fusion Welding of Aluminum