

REGIONAL DISTRICT OF NORTH OKANAGAN

Steel Structure Requirements

Revised: September 2021

Required Information for Steel Structure Building Permit Applications

In order to receive a building permit for a steel structure it is the responsibility of the owner or builder to ensure that the following documents are submitted:

- from the Structural Engineer, who is responsible for the structure; Certificate of design and manufacturing conformance, Schedule B, a copy of their certificate of insurance, report on professional insurance and two (2) sets of engineered sealed drawings (at a scale of 1:50 or 1/4" = 1'-0").
- from the Structural Engineer, who is responsible for the field review and foundation (if different than the above mentioned structural engineer); Schedule B, a copy of their certificate of insurance and report on professional insurance.

These requirements are in addition to the standard building permit application submission requirements.

Attachments: Certificate of Design and Manufacturing Conformance with NBC 2015 form

For more information please contact the Building Department: Phone - 250-550-3700. Email - building@rdno.ca

Certificate of Design and Manufacturing Conformance with NBC 2015

This Certificate is to affirm that all components of the Steel Building System described below, to be supplied by the named Manufacturer certified in accordance with CSA-A660, have been or will be designed and fabricated in accordance with the following Standards to carry the loads and load combinations specified.

1. DESCRIPTION	
Manufacture's Name and Address	
Manufacturer's Certificate No. under CSA A660	· · · · · · · · · · · · · · · · · · ·
Customer Order Number	
Building Type and Size	
Intended Use and Occupancy	
Importance Category (NBC, Sentence 4.1.2.1(3))	
Site Location	
Applicable Building Code	
Builder's Name and Address	
Owner's Name and Address	
2. DESIGN STANDARDS	Engineer's Initials [*]
National Building Code of Canada 2015, Part 4: Structural Design CAN/CSA-S16-14, Design of Steel Structures	
CAN/CSA-S136-12, North American Specification for the Design of Cold-Formed Steel Structure Other (specify) dated	ctural Members
 3. MANUFACTURING STANDARDS (a) Fabrication has been, or will be, in accordance with CAN/CSA-S16 and CAN/CSA applicable. (b) Welding has been or will be performed in accordance with CSA-W59 and CAN/CS applicable. (c) The Manufacturer has been certified in accordance with CSA-W47.1, for Division W55.3 if applicable. (d) Welders have been qualified in accordance with CSA-W47.1. 	SA-S136, as
4. PURLIN STABILITY Purlin braces are provided in accordance with CAN/CSA-S136, Clause D3 and Appel D3.2.2. In particular, for a standing seam roof supported on movable clips, braces prosupport to both top and bottom purlin flange have been or will be provided. The numb determined by analysis but in no case is less than 1 for spans up to 7m inclusive or legreater than 7m.	oviding lateral per of rows is
5. LOADS (a) Snow and Rain Load 1-in-50 year ground snow load, Ss,	

^{*}Initial each true statement. Mark N/A if statement does not apply.

		Engineer's Initials [*]
(b) Full and Partial Snow Load(i) Applied on any one and any two adjacent spar(ii) Applied on any one and any two adjacent spar(iii) Applied as described for the building geometry	ns of modular rigid frames with co	ontinuous roof beams.
(c) Wind Load 1-in-50 year reference velocity pressure Importance factor, lw,		
(d) Wind Load Application (i) Applied as per <i>NBC</i> , Part 4, Sub-section 4.1.7. (ii) External pressure coefficients per <i>NBC</i> , Article (iii) Building internal pressure coefficients	e 4.1.7.6 and Figures 4.1.7.6A th	
(e) Crane Loads (where applicable)		
Type		nning) (jib)
Capacity		
Wheel base		
Maximum static, vertical wheel load	(KN)	
Vertical impact factor (%) lateral v	wheel lead	(kNI)
Longitudinal factor(%) maximu	ım longitudinal load	(kN/side)
(f) Mezzanine Live Load	-	(111170100)
Applied as per NBC , Part 4, Sub-section 4.1.8. $S_a(0.2)$ $S_a(0.5)$ $S_a(1.0)$ $S_a(2.0)$ $S_a(1.0)$ $S_a(2.0)$ $S_a(1.0)$ $S_a($	0) S _a (5.0) S _a (10.0) _	PGA
(i) Dead Loads Dead load of building components is incorporated Collateral load (mechanical, electrical, ceiling, spin Mezzanine (kPa) Other (specify) () (j) Load Combinations Applied in accordance with NBC, Part 4 Section 4	rinklers, etc) (kPa)	
6. GENERAL REVIEW DURING CONSTRUCTION The Manufacturer does not provide general review		ry purposes.
* Initial each section. Mark N/A if statement or sec	ction does not apply.	
7. CERTIFICATION BY ENGINEER	, a Professional Engineer registe	ered or licensed to
I	, he	reby certify that I have
	for the steel building system desc	ribed. I certify that the
foregoing statements, initialed by me, are true.		
Name	Signature	
Title	_ 	
Affiliation	_ ⊔ate	

Professional Seal