

FUTURE STEEL BUILDINGS INTL. CORP.

P21-4
MAY

**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

Manufacturer's Name and Address: Future Steel Buildings Intl. Corp., 220 Chrysler Dr, Brampton, ON L6S 6B6

Manufacturer's Certificate No. under CSA A660: FUTUR0

Customer Order Number: 21-1724

Building Type and Size: R25-9x20

Intended Use and Occupancy: Minor Storage

Importance Category (NBC Sentence 4.1.2.1(3)): Low

Site Location: 5416 50TH AVE, LLYODMINSTER, AB T9V 0W9

Applicable Building Code: NBC'15 ABBC'19

Builder's Name and Address: LEON CHERNEY - LLOYDMINSTER PLUMBING & HEATING LTD, 5416 50TH AVE, LLYOD

Owner's Name and Address: LEON CHERNEY - LLOYDMINSTER PLUMBING & HEATING LTD, 5416 50TH AVE, LLYOD

Engineer's Initials

2. DESIGN STANDARDS

National Building Code of Canada 2015, Part 4: *Structural Design* P.G.

CSA-S16-14, *Design of Steel Structures*

CSA-S136-12, *North American Specification for the Design of Cold-Formed Steel Structural Members*

Other (specify) _____ dated _____

P.G.

3. MANUFACTURING STANDARDS

- (a) Fabrication has been, or will be, in accordance with CSA-S16 and CSA-S136, as applicable.
- (b) Welding has been or will be performed in accordance with CSA-W59 and CSA-S136, as applicable.
- (c) The Manufacturer has been certified in accordance with CSA-W47.1, for Division 1 or 2 and/or CSA-W55.3 if applicable.
- (d) Welders have been qualified in accordance with CSA-W47.1.

N/A

4. PURLIN STABILITY

Purlin braces are provided in accordance with CSA-S136, Clause D3 and Appendix B, Clause D3.2.3. In particular, for a standing seam roof supported on movable clips, braces providing lateral support to both top and bottom purlin flange have been or will be provided. The number of rows is determined by analysis but in no case is less than 1 for spans up to 7m inclusive or less than 2 for spans greater than 7m.

P.G.

5. LOADS

(a) Snow and Rain Load

1-in-50 year ground snow load, S_s, 2 (kPa)

1-in-50 year associated rain load, S_r, 0.1 (kPa)

Wind exposure factor, C_w, 1.0

Importance factor, I_s, 0.8

Roof snow load, S, 1.36 (kPa)

Drift load considered (NBC Sub-section 4.1.6.2.8) refer to drawing of specific building

Specified rain load (NBC Article 4.1.6.4) N/A (mm)

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

(Continued)

Engineer's Initials

BOLTS CONNECTOR TO ARCH CONNECTION

BOLT DATA

8

PERMIT TO PRACTICE
FUTURE STEEL BUILDINGS INTL. CORP.

ENGINEERS SEAL:
 Signature *[Signature]*
 Date **AUG 06 2021**
PERMIT NUMBER: P 07079
 The Association of Professional Engineers,
 Geologists and Geophysicists of Alberta

LEGAL NOTE

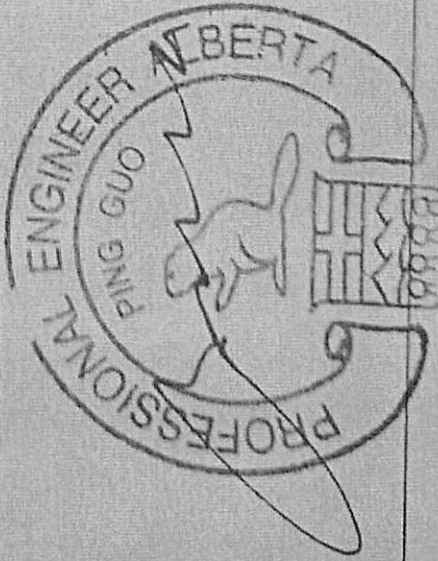
This drawing is the property of Future Steel Buildings Intl. Corp. Any duplication of this drawing in whole or in part is strictly forbidden. Anyone doing so will be prosecuted to the full extent of the law.



FUTURE STEEL BUILDINGS®

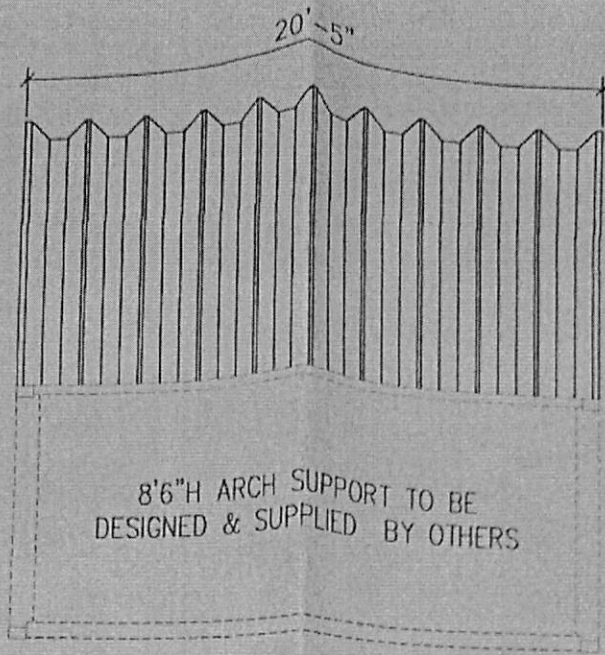
220 CHRYSLER DR., BRAMPTON, ONTARIO, CANADA (905) 790-8500

SCALE: N.T.S.	APPROVED BY: P.G.	CHECKED BY: T.G.	DATE: JUN. 29 2021
PROJECT: LLOYDMINISTER PLUMBING & HEATING LTD. LLOYDMINISTER, AB			
MODEL: R25-9		DWG: 21-1724	

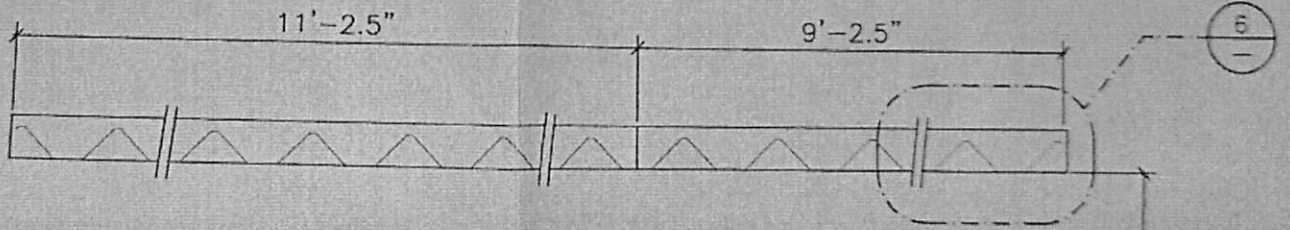


AUG 06 2021

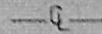
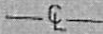
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2 SIDE ELEVATION



NOTE: BASEPLATE CONNECTORS TO HAVE NO LIP OR HOLES



23'-9.875"
INSIDE TO INSIDE OF CONNECTORS

