

BUILDINGS SPECIFICATIONS AND GENERAL NOTES

<p>ROOF TYPE & SLOPE</p> <div><div><input checked="" type="checkbox"/> GABLE</div><div><input type="checkbox"/> SHED</div></div> <div><div><input checked="" type="checkbox"/> 4:12</div><div><input type="checkbox"/> 3:12</div><div><input type="checkbox"/> N/A</div><div><input type="checkbox"/> OTHER</div></div>
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1	AS BUILT - ADDED CHANNEL LIST FOR STAMPED ENGINEERED DRAWINGS	JT	2014.03.20
0	ISSUED FOR CONSTRUCTION	GC	2014.02.06
B	ISSUED FOR APPROVAL - CHANGED BUILDING COLOR, REMOVED FANS, MOVED ONE (1) WINDOW AND SINGLE DOOR, INCREASED LOUVER SIZES, ADDED 23' 9" ACTIVE RIDGE VENT SECTION AND ONE (1) LOUVER	GC	2014.01.06
A	ISSUED FOR APPROVAL	GC	2013.12.18
REV	DESCRIPTION	DRAWN BY	DATE
REVISIONS			

METALEX

METAL BUILDINGS INC.

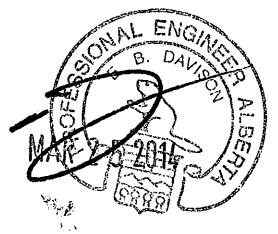
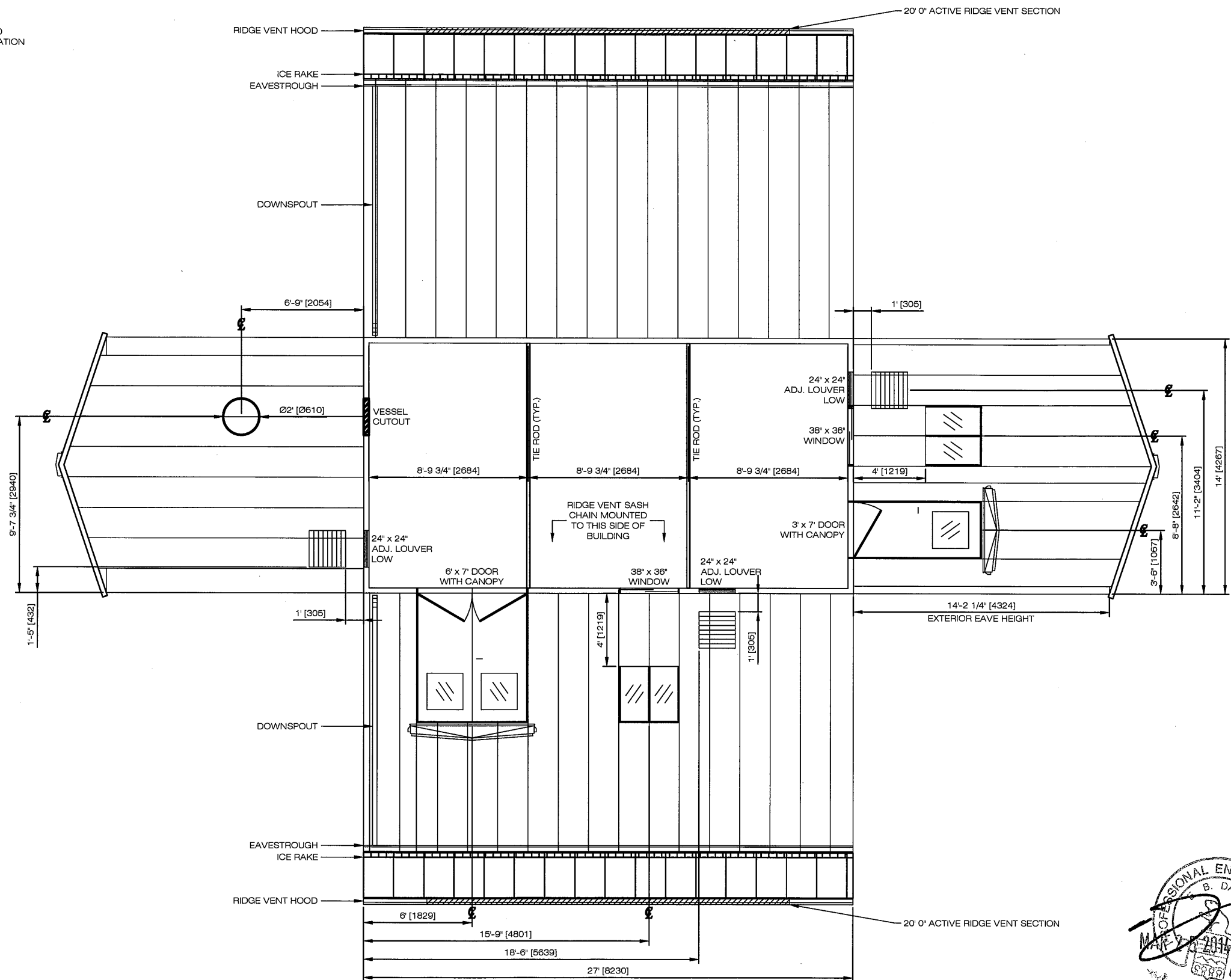
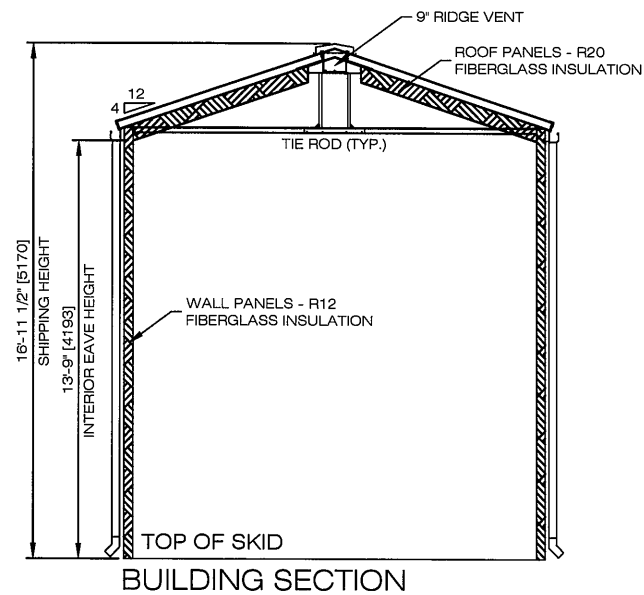
4204 - 46 Avenue, PO Box 1058

Stettler, AB T0C 2L0

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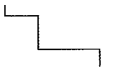
PROJECT: D2415	CLIENT: Bilton Welding & Manufacturing Ltd.
LOCATION: LSD: 06-16-072-04 W6M	
DWG NO.: 14300-S	TITLE: 14' 0" x 27' 0" x 14' 2 1/4" SELF FRAME BUILDING GABLE STYLE 4:12 PITCH
SHEET NO.: 1 OF 3	
SCALE: NTS	





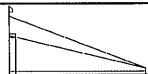









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
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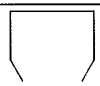

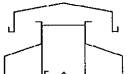

PROJECT:	D2415	CLIENT:	Bilton Welding & Manufacturing Ltd.
LOCATION:	LSD: 06-16-072-04 W6M		
DWG NO.:	14300-S	TITLE:	14' 0" x 27' 0" x 14' 2 1/4" SELF FRAME BUILDING GABLE STYLE 4:12 PITCH
SHEET NO.:	2 OF 3	SCALE:	NTS

PART	QTY	LENGTH	COLOR	GA
 BASE FLASHING		85 '	GALVALUME	22
 BACK DRIP 4:12	4 2	108 " 110 "	GALVALUME GALVALUME	22 22
 RIDGE 4:12	N/A N/A	N/A N/A		
 RIDGE CAP 4:12	SMALL N/A BIG N/A	N/A N/A		
 RIDGE HOOD	SMALL 1 BIG 2	118 " 118 "	GALVALUME GALVALUME	22 22
 CN N/A	N/A N/A	N/A N/A		

PART	QTY	LENGTH	COLOR	GA
 SIDE FLASHING	4	90 1/2 "	GALVALUME	22
 EAVESTROUGH	SMALL 2 BIG 4	116 " 116 "	GALVALUME GALVALUME	22 22
 DOWNSPOUT	2	164 1/4 "	GALVALUME	22
 DOOR DRIP	1		GALVALUME	22
 CANOPY	1 1	SINGLE DOUBLE	GALVALUME	22
 FAN HOOD	N/A		GALVALUME	

PART	QTY	LENGTH	COLOR	GA
 BOTTOM	1 6 1	144 " 120 " 96 "	N/A N/A N/A	18 18 18
 TOP DRIP	N/A N/A 4 1	N/A N/A 144 " 96 "	N/A N/A N/A N/A	22 22 18 18
 PLAIN TOP	2 2	76 " 108 "	N/A N/A	22 22
 U CH. x BRACING	12 3	144 " "	N/A	22
 CUT OUT CH.				
 90°	4 N/A	170 1/4 "	N/A N/A	22 22

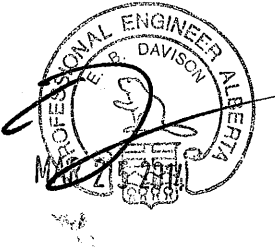
PART	QTY	LENGTH	COLOR	GA
 RIBS R20	32	R20 "	N/A	26
 U CH. x ROOF	4 6	74 3/4 " "	N/A	22
 WINDOW FLASHING	2	38x36	GALVALUME	22
 CONTAINMENT		85 '	WHITE	26
 STEP OVER	2	-SGL,1-DBL	GALVALUME	22

PART	QTY	LENGTH	COLOR	GA
 FRAMES	REMOV. N/A ROLL UP DOOR N/A	N/A FRAME W/O LIP N/A		
 UPRIGHT				
 RIDGE V.	1 20	20 ' 9 INCH	GLUME	20
 Z CHANNEL	2 3	42 ' INCHES	WHITE	26

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SHEET NO.: 3 OF 3	
SCALE: NTS	





METAL BUILDINGS INC.

BOX 1058, STETTLER, AB T0C 2L0
PH: (403) 742-1300 FAX: (403) 742-1308

Certificate of Design and Manufacturing Conformance

This Certificate is to affirm that all components of the steel building system described below, to be supplied by METALEX Metal Buildings Inc. 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	METALEX METAL BUILDINGS INC., BOX 1058, STETTLER, AB T0C 2L0
Manufacturer's Certificate No. under CSA A660	METME0
Customer Order Number	D2415 (BILTON 14300-S)
Building Type and Size	14' 0" x 27' 0" x 14' 2 1/4", SELF FRAME BUILDING, GABLE STYLE, 4:12 PITCH
Intended Use and Occupancy	GROUP F, DIVISION 1
Importance Category [NBC, Sentence 4.1.2.1.(3)]	NORMAL
Site Location	LSD: 06-16-072-04 W6M
Applicable Building Code	NBC 2010, ABC 2006
Builder's Name and Address	METALEX METAL BUILDINGS INC., BOX 1058, STETTLER, AB T0C 2L0
Owner's Name and Address	BILTON WELDING & MANUFACTURING LTD. 5815 - 37 STREET, PO BOX 6106, INNISFAIL, AB T4G 1S8

2. DESIGN STANDARDS

National Building Code of Canada, 2010, Part 4: *Structural Design*
CAN/CSA-S16-09, *Design of Steel Structures*
CAN/CSA-S136-07, *North American Specification for the Design of Cold-Formed Steel Structural Members*
Other (specify) _____

Engineer's Initials*

3. MANUFACTURING STANDARDS

- (a) Fabrication has been, or will be, in accordance with CAN/CSA-S16 and CAN/CSA-S136, as applicable.
(b) Welding has been, or will be performed, in accordance with CSA-W59 and CAN/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.

4. PURLIN STABILITY

Purlin braces are provided in accordance with CAN/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.

5. LOADS

(a) Snow and Rain Load

1-in-50 year ground snow load,	Ss,	2.2	(kPa)
1-in-50 year associated rain load,	Sr,	0.1	(kPa)
Wind exposure factor,	Cw,	0.8	
Importance factor,	Is,	1.0	
Roof snow load,	S,	1.66	(kPa)
Drift load considered (NBC, Sub-section 4.1.6.2.8) refer to drawing of specific building			
Specified rain load (NBC, Clause 4.1.6.4)		N/A	(mm)

(b) Full and Partial Snow Load

- (i) Applied on any one and any two adjacent spans of continuous purlins.
(ii) Applied on any one and any two adjacent spans of modular rigid frames with continuous roof beams.
(iii) Applied as described for the building geometry in NBC, Part 4, and in the User's Guide - NBC 2010 Structural Commentaries (Part 4 of Division B), *Commentary G: Snow Loads*.

(c) Wind Load

1-in-50 year reference velocity pressure	Iw,	0.46	(kPa)
Importance factor,		1.0	

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

(d) Wind Load Application

- (i) Applied as per *NBC*, Part 4, Sub-section 4.1.7.
(ii) Pressure coefficients as per User's Guide - *NBC* 2010 Structural Commentaries (Part 4 of Division B),
Commentary I: Wind Loads, Figures I7 through I14.
(iii) Building internal pressure Category _____ per User's Guide - *NBC* 2010 Structural Commentaries,
(Part 4 of Division B), *Commentary I: Wind Loads*.

(e) Crane Loads (where applicable)

Type _____ (top-running) (under-running) (jib)
Capacity _____ (tonnes)
Wheel base _____ (m)
Maximum static, vertical wheel load _____ (kN)
Vertical impact factor _____
Lateral factor _____ (%) lateral wheel load _____ (kN)
Longitudinal factor _____ (%) maximum longitudinal load _____ (kN/side)

(f) Mezzanine Live Load

_____ (kPa) **NA**

(g) Earthquake (Seismic) Load

Applied as per *NBC*, Part 4, Sub-section 4.1.8

Sa (0.2) _____ Sa (0.5) _____ Sa (1.0) _____ Sa (2.0) _____
Site Class _____ Fa _____ Fv _____ Ie _____

(h) Other Live Loads (specify)

(i) Dead Loads

Dead load of building components is incorporated in the design

Collateral load (mechanical, electrical, ceiling, sprinklers, etc.) _____ (kPa)

Mezzanine _____ (kPa)

Other (specify) _____ ()

(j) Load Combinations

Applied in accordance with *NBC*, Part 4, Section 4.1.

6. GENERAL REVIEW DURING CONSTRUCTION

The Manufacturer does not provide general review during construction for regulatory purposes.

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

7. CERTIFICATION BY ENGINEER

I, Edna, a Professional Engineer registered or licensed to practice in the Province or Territory of Man, hereby certify that I have reviewed the design and manufacturing process for the steel building system described. I certify that the foregoing statements, initialed by me, are true.

Name RANLSON

Title _____

Affiliation _____

Professional Seal

Signature [Signature]

Date MAR 25 2014

