



Job Track: 45147
Layout ID: 292593
Plan Log: 95914

Builder / Location: GOLD PARK HOMES / VAUGHAN

Model / Elevation: 4201 REV1 / B

Project: PINE VALLEY

Date: 1/17/2018 Designer: AMANDA

THESE DRAWINGS CONSTITUTE THE PROPERTY OF ALPHA ROOF TRUSSES INC. SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY ALPHA ROOF TRUSSES INC. IF UTILIZED FOR ANY OTHER PURPOSE.



DECK BOARDING

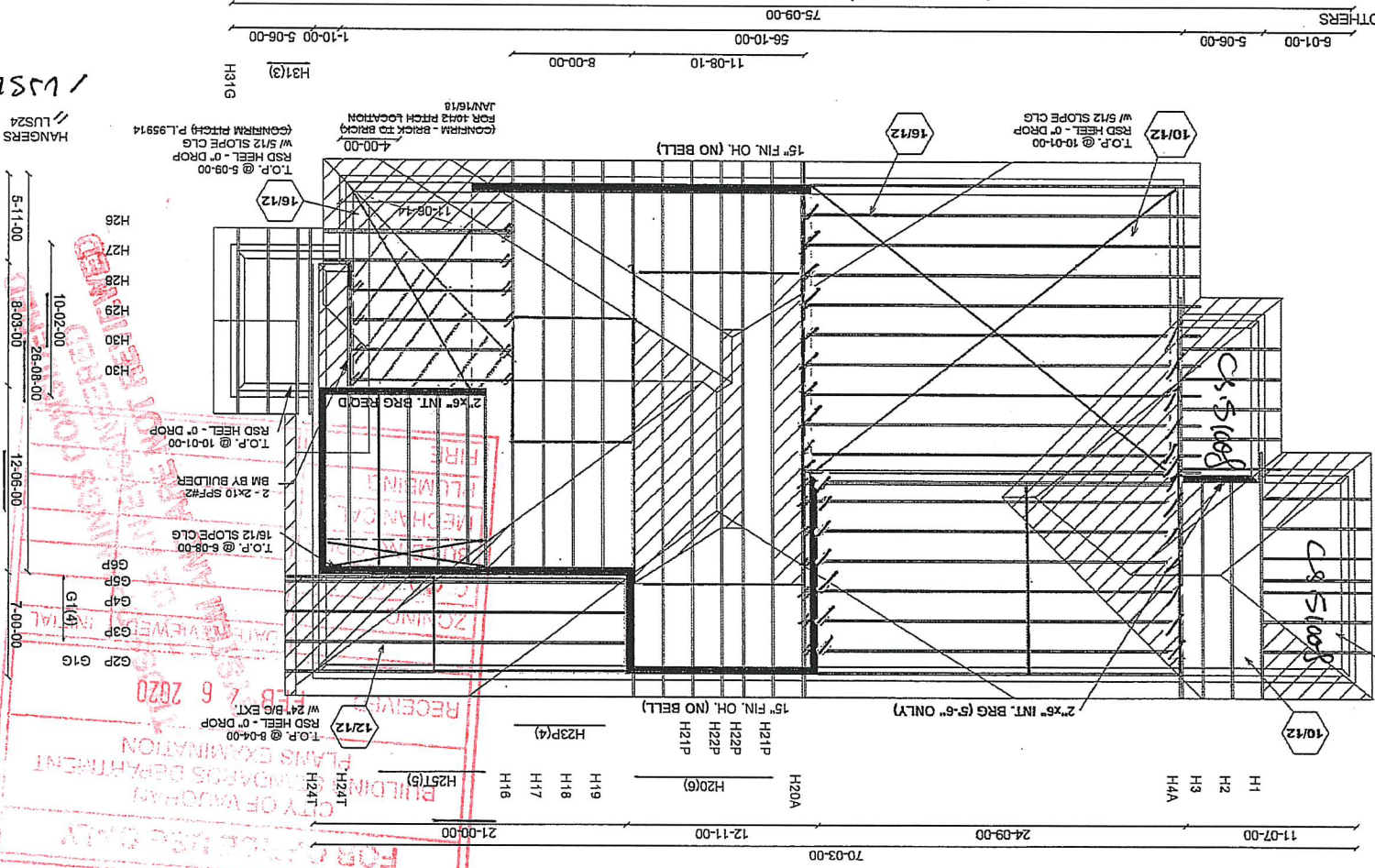
A-18023431-A-18023434
A-18023484-A-18023520

LOFTS WALLS SUPPORTED BY OTHERS

BELL CURVE BY OTHERS
RSD, HEEL - 0" DROP
(2" x 6" FASCIA) - FM
ASPHALT SHINGLES
2" x 6" BRG/BRICK
PIGGYBACK TRS
PURLINS BY OTHERS

15' B/C EXT.
H5T
H6T
H7T
H8T
33-08-00
10-04-00
24-08-00
14-04-00
H10G
H11P
H12P
H13P
H14P
H10(7)
H10(7)
H11P(4)
J1(7)
J2(5)

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C. (Latest Edition)
ROOF RAFTERS THAT CROSS MEET WITH A VERT POST TO THE TRUSSES
UNDERNEATH AT EACH CROSS PT.
TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'

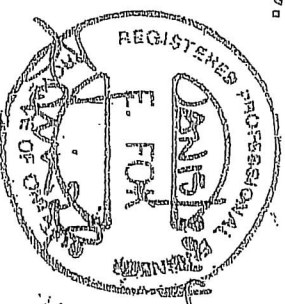


ALPHA-BARRIE

FOR OFFICIAL USE ONLY
BUILDING DEPARTMENT
CITY OF VAUGHAN
RECEIVED
JAN 24 2020

Stracon Engineering Inc.

69 Graydon Crescent
Richmond Hill, Ontario
L4B 3W7
(905) 832-2250 Fax (905) 832-0286



RESPONSIBILITIES

1. Stracon Engineering Inc. is responsible for the design of trusses as individual components.
2. It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities with jurisdictions.
3. All dimensions are to be verified by owner contractor, architect or other authority before manufacture.
4. Stracon Engineering Inc. bears no responsibility for the erection of the trusses. Persons erecting trusses are cautioned to seek professional advice regarding temporary and permanent bracing system. Bracing shown on Stracon Engineering Inc. drawings is specified for the truss as a component only and forms an integral part of the truss design.
5. It is the truss manufacturer's responsibility to ensure that trusses are manufactured in conformance with Stracon Engineering Inc. specifications outlined below.

SPECIFICATIONS

1. Trusses designed by Stracon Engineering Inc. conforms to the relevant section of the Ontario Building Code of Canada (Part 9 or Part 4) or to the Canadian code for farm buildings, whichever applies to the building type indicated on the drawings as well as to the procedures established by the truss plate institute of Canada. Unit stresses used are as per CSA-086-09.
2. Lumber is to be the sizes and grade specified.
3. Moisture content of lumber is not to exceed 19% in service unless otherwise specified.
4. Lumber not to be treated with chemicals unless otherwise specified.
5. Plates shall be applied to both faces of the truss at each joint and shall be positioned as specified.
6. The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals not exceeding 12.5 times in thickness.
7. Where not rigid ceiling is attached directly to the bottom chord, laterally brace the chords at intervals not exceeding 3M (10') o.c.

January 15, 2014

ALL WEBS EXCEPT DRY; SEASONED LUMBER.	2x3	No.2	SPF	MAX. MIN. COMPONENT REACTIONS						LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM
				1ST LOASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	
J				962	578 / 0	0 / 0	0 / 0	0 / 0	385 / 0	0 / 0
F				962	578 / 0	0 / 0	0 / 0	0 / 0	385 / 0	0 / 0

EDGE - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.										TYPICAL									
FR-TO	(LBS)	FROM	(LBS)	CSL (C)	UNBRAC	FR-TO	(LBS)	CSL (C)	FR-TO	(LBS)	CSL (C)	FR-TO	(LBS)	CSL (C)					
A-B	-1189/0	-78.0	-78.0	0.34 (1)	5.47	I-B	-34/118	0.04 (4)											
B-C	-887/0	-153.5	-153.5	0.63 (1)	3.35	B-G	0/0	0.00 (1)											
C-D	-159/0	-78.0	-78.0	0.34 (1)	5.47	G-G	-34/118	0.05 (4)											
J-A	-130/0	0.0	0.0	0.13 (1)	7.43	A-I	0/913	0.23 (1)											
F-D	-1130/0	0.0	0.0	0.13 (1)	7.43	G-D	0/913	0.23 (1)											
K-J	0/0	-86.5	-86.5	0.17 (1)	10.00														
J-I	0/0	-36.4	-36.4	0.18 (4)	10.00														
I-H	0/888	-36.4	-36.4	0.28 (4)	10.00														
H-G	0/888	-36.4	-36.4	0.28 (4)	10.00														
G-E	0/0	-36.4	-36.4	0.18 (4)	10.00														

ALLOWABLE DEF. (L) = $U_{860} (0.45)$

CALCULATED VERT. DEF. (L) = $U_{989} (0.017)$

ALLOWABLE DEF. (L) = $U_{860} (0.45)$

CALCULATED VERT. DEF. (L) = $U_{989} (0.017)$

- CSA 086-09, CSA 086-14

- TPIC 2014

(55% OF 23.0 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAINLOAD) EQUALS 21.0 P.S.F. SPECIFIED ROOF LINE LOAD

CANTILEVER DEFLECTION:

TRUSS PLATE MANUFACTURERS ARE NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(PP)	SHEAR	SECTION
	(PS)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 6.0 Deg.

A-18023431 CONTINUED ON PAGE 2