

CERTIFIED MODEL
PRE-APPROVED
FOR PERMIT APPLICATION AS PER THE
ONTARIO BUILDING CODE
TOWN OF CALEDON BUILDING DIVISION

REVIEWED BY AS J. SNELL
DATE JULY 25/19
FILE # HORIZON 2-ELEV 1

HORIZON 12
TH 96-1 / 1
401795

HORIZON 2
TH 96-2 / 1
401796

HORIZON 2
TH 96-3 / 1
401797

HORIZON 1
TH 96-4 / 1
401798

HORIZON 3E
TH 96-5 / 1
401799

25-07-00

22-03-12

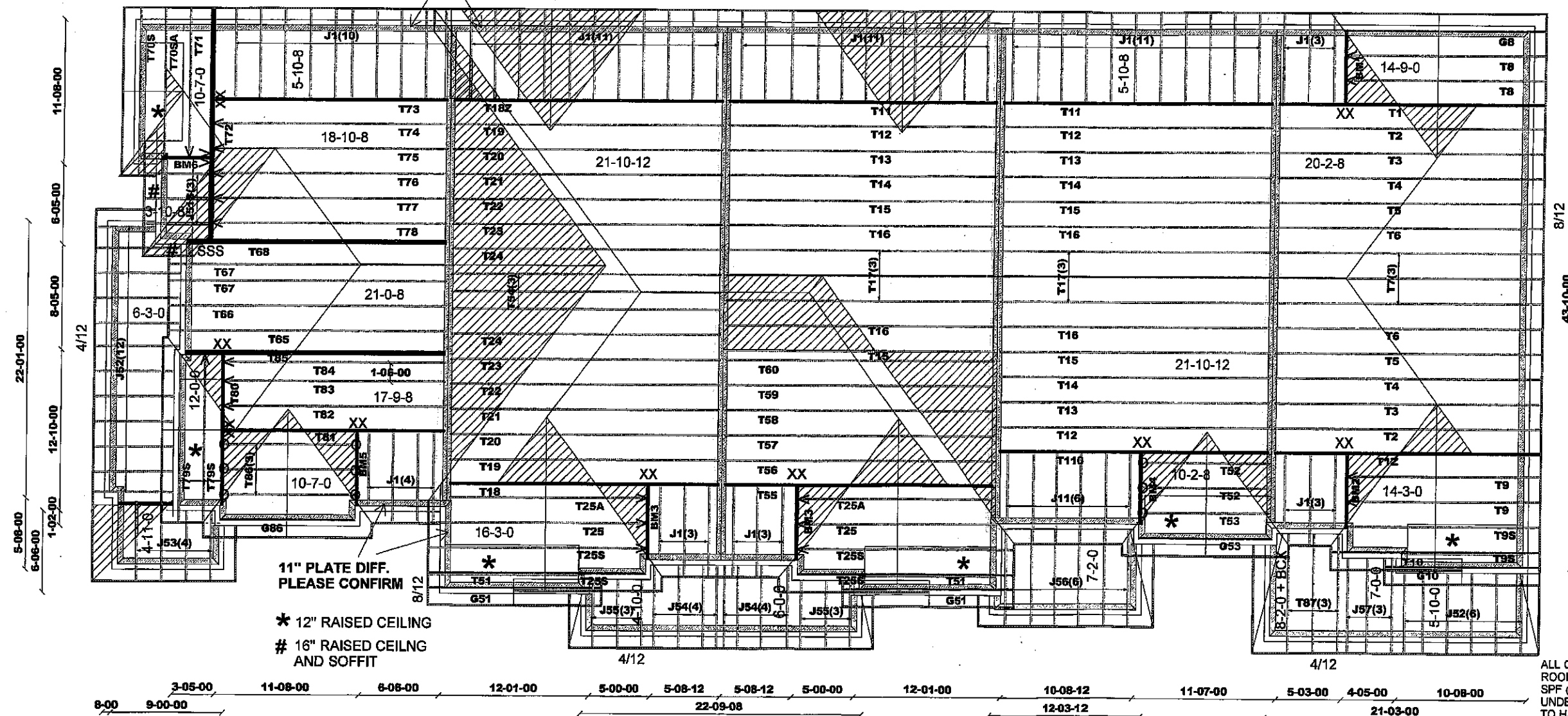
22-03-12

22-03-12

20-10-00

11" PLATE DIFF.
PLEASE CONFIRM

6/12



ASPHALT SHINGLES
12" FINISHED OH.
R.T.M.C.
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:
LUS24 - (O)
LUS26-2 - (VV)
LJS26DS - (V)
HGUS26-2 - (XX)
HGUS28-3 - (SSS)

DENOTES
CONV. FRAMING

DESIGN CONFORMS
WITH O.B.C.2012 PART 9
DESIGN LOADS:
SNOW LOAD 29.02 PSF
TC DEAD 6 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

BM1 - BM6 = 2-2X10

APPLICANT COPY

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
ROOF RAFTERS THAT CROSS MEET OVER TRUSSES TO BE 2X4
SPF @ 24" O.C. WITH A 2X4 VERT. POST TO THE TRUSS
UNDER NEATH AT EACH CROSS PT. VERT. POST LONGER THAN 8"
TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN
END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'

RECEIVED
AUG 02 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO.



Job Track: 50033
Plan Log: 200648
Layout ID: 401794

Builder / Location:
GREEN PARK HOMES / CALEDON
Project: **LAMBERT LANE PH.2**
Date: 3/12/2019 Sales: Mario DiCaro Designer: AC

Model / Elevation:
BLOCK 96 / TH96-1 - TH96-5

THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC. SHALL NOT BE REPRODUCED, PUBLISHED, OR
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TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.



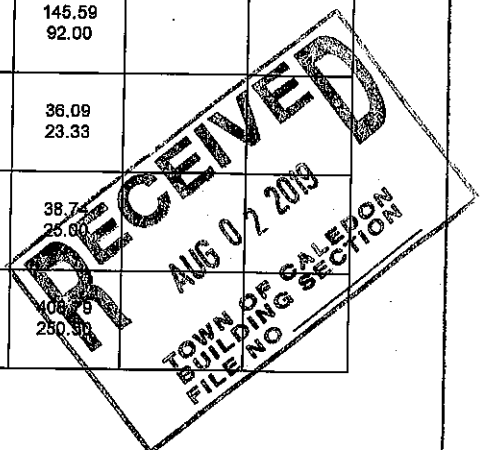
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

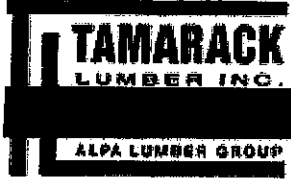
Job Track: 50033
 PlanLog: 200648
 Layout ID: 401796
 Ref #
 Page: 1 of 2
 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T18 Half Hip Girder	8/12	21-10-12	4-01-04	2 x 4 2 x 6		1-07-02 4-01-04	203.49 126.67		
	1 2-ply	T18Z Half Hip Girder	8/12	21-10-12	4-01-04	2 x 4 2 x 6		1-07-02 4-01-04	203.49 126.67		
	2	T19 Half Hip	8/12	21-10-12	5-01-04	2 x 4		1-07-02 5-01-04	179.88 112.67		
	2	T20 Half Hip	8/12	21-10-12	6-01-04	2 x 4		1-07-02 6-01-04	196.04 125.33		
	2	T21 Half Hip	8/12	21-10-12	7-01-04	2 x 4		1-07-02 7-01-04	194.51 123.67		
	2	T22 Half Hip	8/12	21-10-12	8-01-04	2 x 4		1-07-02 8-01-04	205.03 129.00		
	2	T23 Half Hip	8/12	21-10-12	9-01-04	2 x 4		1-07-02 9-01-04	216.07 134.33		
	2	T24 Half Hip	8/12	21-10-12	10-01-04	2 x 4		1-07-02 10-01-04	241.42 151.33		
	1	T25 Common	8/12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.46 45.67		
	1	T25A Common	8/12	15-11-08	6-09-13	2 x 4	1-03-08	1-04-13 1-04-13	70.01 44.50		
	2	T25S Roof Special Structural Gable	8/12	16-03-00	6-09-13	2 x 4	1-03-08	1-04-13 4-13	145.59 92.00		
	1	T51 Common	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	36.09 23.33		
	1	G51 GABLE	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	38.7 25.00		
	3	T54 Half Hip	8/12	21-10-12	11-01-04	2 x 4		1-07-02 11-01-04	106.9 250.00		



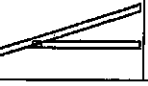
DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200648
 Layout ID: 401796
 Ref #
 Page: 2 of 2
 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	235.12 149.33		
	4	J54 Jack-Open	4 /12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	62.87 37.33		
	3	J55 Jack-Open	4 /12	4-10-00	2-04-03	2 x 4	1-03-08	3-15 1-08-04	38.95 24.00		

TOTAL # TRUSS= 46 TOTAL BFT OF ALL TRUSSES= 1721.33 BFT. TOTAL WEIGHT OF ALL TRSSES 2748.28 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
3	Hardware	LJS28DS	
1	Hardware	HGUS28-2	

TOTAL NUMBER OF ITEMS= 4



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
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 Elevation:

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 Date: 03/12/2019
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Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. 8FT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T11 Flat Girder	0/12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 109.33		
	1	T12 Flat	0/12	21-10-12	5-01-04	2 x 4		5-01-04 5-01-04	87.9 54.50		
	1	T13 Flat	0/12	21-10-12	6-01-04	2 x 4		6-01-04 6-01-04	93.24 56.83		
	1	T14 Flat	0/12	21-10-12	7-01-04	2 x 4		7-01-04 7-01-04	98.74 60.67		
	2	T15 Flat	0/12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	228.81 140.00		
	2	T16 Flat	0/12	21-10-12	9-01-04	2 x 4		9-01-04 9-01-04	241.79 148.67		
	3	T17 Flat	0/12	21-10-12	10-01-04	2 x 4		10-01-04 10-01-04	382.54 230.00		
	1	T25 Common	8/12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.46 45.67		
	1	T25A Common	8/12	15-11-08	6-09-13	2 x 4	1-03-08	1-04-13 1-04-13	70.01 44.50		
	2	T25S Roof Special Structural Gable	8/12	16-03-00	6-09-13	2 x 4	1-03-08	1-04-13 4-13	145.59 92.00		
	1	T51 Common	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	36.09 23.33		
	1	G51 GABLE	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	38.74 25.00		
	1 2-ply	T55 Roof Special Girder	-8/12	21-10-12	4-01-04	2 x 4 2 x 6		4-01-04 1-07-02	203.49 126.67		
	1	T56 Roof Special	-8/12	21-10-12	5-01-04	2 x 4		5-01-04 1-07-02	89.94 56.33		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200648
 Layout ID: 401797
 Ref #
 Page: 2 of 2
 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T57 Roof Special	-8 /12	21-10-12	6-01-04	2 x 4		6-01-04 1-07-02	98.05 62.67		
	1	T58 Roof Special	-8 /12	21-10-12	7-01-04	2 x 4		7-01-04 1-07-02	97.25 61.83		
	1	T59 Roof Special	-8 /12	21-10-12	8-01-04	2 x 4		8-01-04 1-07-02	102.52 64.50		
	1	T60 Roof Special	-8 /12	21-10-12	9-01-04	2 x 4		9-01-04 1-07-02	108.04 67.17		
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	235.12 149.33		
	4	J54 Jack-Open	4 /12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	62.87 37.33		
	3	J55 Jack-Open	4 /12	4-10-00	2-04-03	2 x 4	1-03-08	3-15 1-08-04	38.95 24.00		

TOTAL # TRUSS= 46

TOTAL BFT OF ALL TRUSSES= 1680.33

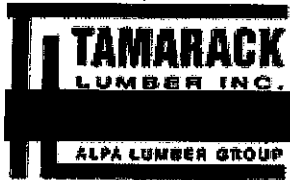
BFT.

TOTAL WEIGHT OF ALL TRSSES 2706.06 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
3	Hardware	LJS26DS	
1	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 4



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200648
 Layout ID: 401795
 Ref #
 Page: 1 of 3
 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T65 Half Hip	8/12	21-00-08	8-01-04	2 x 4	1-03-08	1-04-13 8-01-04	101.67 63.83		
	1	T66 Half Hip	8/12	21-00-08	9-01-04	2 x 4	1-03-08	1-04-13 9-01-04	107.3 67.17		
	2	T67 Half Hip	8/12	21-00-08	10-01-04	2 x 4	1-03-08	1-04-13 10-01-04	224.23 140.00		
	1 3-ply	T68 Half Hip Girder	8/12	21-00-08	9-09-08	2 x 4 2 x 8		1-04-13 9-09-08	410.81 253.00		
	1	T70S Roof Special	6/12	10-10-00	3-10-08	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	45.46 31.50		
	1	T70SA Roof Special	6/12	10-07-00	3-10-08	2 x 4	1-03-08	1-02-00 1-02-00	43.33 30.00		
	1	T71 Half Hip	6/12	10-07-00	4-02-02	2 x 4	1-03-08	1-02-00 4-02-02	43.7 28.00		
	1 3-ply	T72 Hip Girder	6/12	17-03-00	5-03-13	2 x 4 2 x 6	1-03-08	1-02-00 2-06-00	255.5 162.00		
	1 2-ply	T73 Flat Girder	0/12	18-10-08	4-01-04	2 x 4		4-01-04 4-01-04	156.16 97.33		
	1	T74 Flat	0/12	18-10-08	5-01-04	2 x 4		5-01-04 5-01-04	79 49.00		
	1	T75 Half Hip	8/12	18-10-08	6-01-04	2 x 4		2-10-02 6-01-04	80.7 50.67		
	1	T76 Half Hip	8/12	18-10-08	7-01-04	2 x 4		2-10-02 7-01-04	88.49 55.33		
	1	T77 Half Hip	8/12	18-10-08	8-01-04	2 x 4		2-10-02 8-01-04	93.51 59.00		
	1	T78 Half Hip	8/12	18-10-08	9-01-04	2 x 4		2-10-02 9-01-04	101.68 64.33		

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
Builder: GREEN PARK HOMES
Project: LAMBERT LANE PH.2
Location: CALEDON
Model: BLOCK 96
Lot #:
Elevation:

Job Track: 50033
PlanLog: 200648
Layout ID: 401795
Ref #
Page: 3 of 3
Date: 03/12/2019
Designer: Andrew Conway
Sales Rep: Mario DiCano

HARDWARE

QTY	TYPE	MODEL	LENGTH
4	Hardware	HGUS26-2	
1	Hardware	HGUS28-3	
6	Hardware	LUS24	
1	Hardware	LUS26-2	
10	Hardware	LJS26DS	

TOTAL NUMBER OF ITEMS= 22



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 Plan Log: 200648
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 Ref #
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 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T11 Flat Girder	0/12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 109.33		
	2	T12 Flat	0/12	21-10-12	5-01-04	2 x 4		5-01-04 5-01-04	175.8 109.00		
	2	T13 Flat	0/12	21-10-12	6-01-04	2 x 4		6-01-04 6-01-04	186.48 113.67		
	2	T14 Flat	0/12	21-10-12	7-01-04	2 x 4		7-01-04 7-01-04	197.49 121.33		
	2	T15 Flat	0/12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	228.81 140.00		
	2	T16 Flat	0/12	21-10-12	9-01-04	2 x 4		9-01-04 9-01-04	241.79 148.67		
	3	T17 Flat	0/12	21-10-12	10-01-04	2 x 4		10-01-04 10-01-04	382.54 230.00		
	2	T52 Common	8/12	10-02-08	4-11-13	2 x 4		1-06-13 1-07-02	80.17 53.67		
	1	T53 Common	8/12	10-05-08	4-09-09	2 x 4	1-03-08	4-13 7-02	31.69 20.67		
	1	G53 GABLE	8/12	10-09-00	4-09-09	2 x 4	1-03-08 1-03-08	4-13 4-13	37.08 24.33		
	1 2-ply	T110 Flat Girder	0/12	21-10-12	4-01-04	2 x 4 2 x 6		4-01-04 4-01-04	200.24 124.00		
	11	J1 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	184.74 117.33		
	6	J11 Jack-Open	6/12	5-07-08	4-01-04	2 x 4	1-06-08	1-03-08 4-01-04	99.9 64.00		
	6	J56 Jack-Open	4/12	6-05-00	3-01-08	2 x 4	1-03-08	3-15 2-05-10	127.71 87.00		



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Roof Trusses

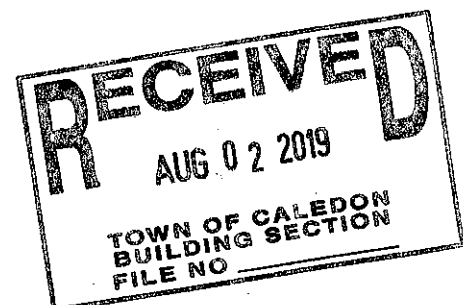
PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
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TOTAL # TRUSS= 44 TOTAL BFT OF ALL TRUSSES= 1463 BFT. TOTAL WEIGHT OF ALL TRSSES 2348.35 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
3	Hardware	LUS24	
1	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 4





DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
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Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Half Hip Girder	8 / 12	20-02-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	187.4 118.33		
	1 2-ply	T1Z Half Hip Girder	8 / 12	20-02-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	187.4 118.33		
	2	T2 Half Hip	8 / 12	20-02-08	5-01-04	2 x 4	1-03-08	1-04-13 5-01-04	173.45 110.00		
	2	T3 Half Hip	8 / 12	20-02-08	6-01-04	2 x 4	1-03-08	1-04-13 6-01-04	174.28 110.67		
	2	T4 Half Hip	8 / 12	20-02-08	7-01-04	2 x 4	1-03-08	1-04-13 7-01-04	187.92 119.00		
	2	T5 Half Hip	8 / 12	20-02-08	8-01-04	2 x 4	1-03-08	1-04-13 8-01-04	198.8 124.33		
	2	T6 Half Hip	8 / 12	20-02-08	9-01-04	2 x 4	1-03-08	1-04-13 9-01-04	210.2 131.67		
	3	T7 Half Hip	8 / 12	20-02-08	10-01-04	2 x 4	1-03-08	1-04-13 10-01-04	329.66 208.00		
	2	T8 Common	8 / 12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	126.65 78.00		
	1	G8 GABLE	8 / 12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	65.08 42.00		
	2	T9 Common	8 / 12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	122.89 78.00		
	2	T9S Roof Special Structural Gable	8 / 12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 4-13	128.67 83.33		
	1	T10 Common	8 / 12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	32.14 20.67		
	1	G10 GABLE	8 / 12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	34.03 21.33		

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
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Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	3	T87 Monopitch	4 / 12	8-02-00	3-05-08	2 x 4	1-03-08	3-15 3-00-10	87.69 57.00		
	6	J1 Jack-Open	6 / 12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	100.77 64.00		
	6	J52 Jack-Open	4 / 12	6-03-00	2-09-14	2 x 4	1-03-08	3-15 2-00-04	110.14 73.00		
	3	J57 Jack-Open	4 / 12	6-03-00	3-00-14	2 x 4	1-03-08	3-15 2-04-15	62.43 39.50		

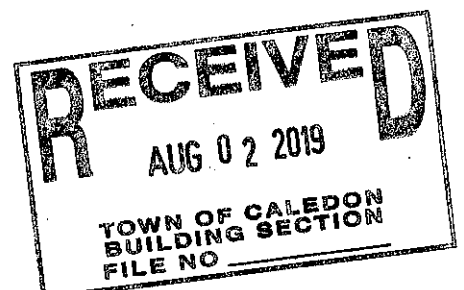
TOTAL # TRUSS= 44 TOTAL BFT OF ALL TRUSSES= 1597.16 BFT. TOTAL WEIGHT OF ALL TRSSES 2519.6 LBS

HARDWARE

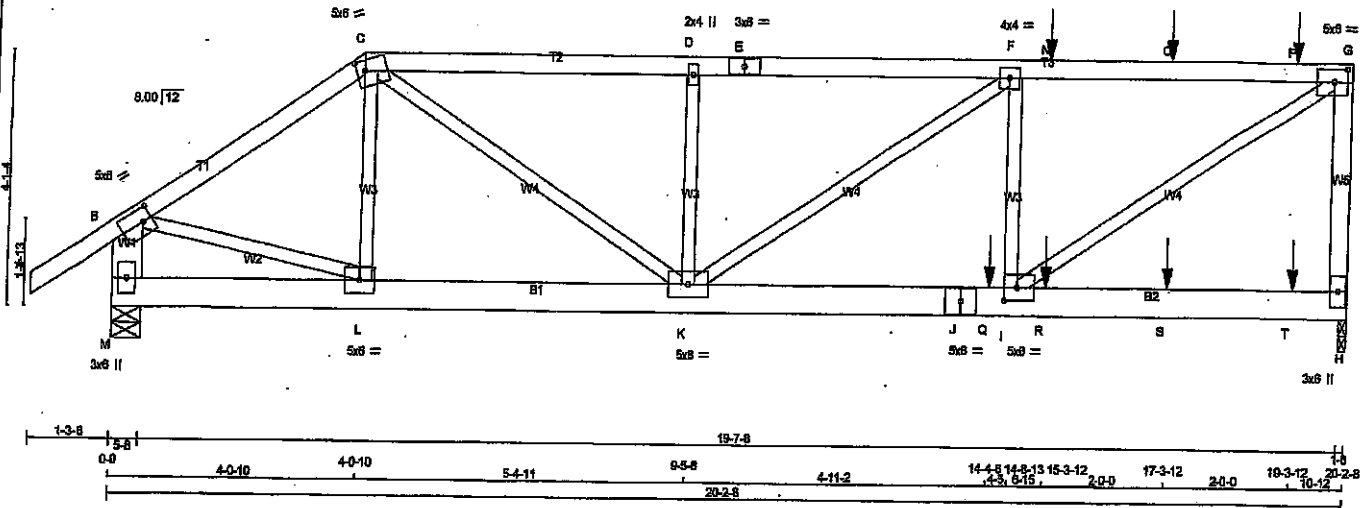
QTY	TYPE	MODEL	LENGTH
4	Hardware	LJS26DS	
2	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 6

THIS STRUCTURE MUST BE
 CONSTRUCTED TO MEET OR
 EXCEED THE PROVISIONS OF
 THE ONTARIO BUILDING CODE



JOB NAME 401769	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 M&T Industries, Inc. Mon Mar 18 12:16:42 2019 Page 1 ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-4uVYgP3m4TCd159k7wFIB5rZjua6F1a6bwCizZjER			



N.L.G.A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
M - B	2x6	DRY	No.2
J - H	2x6	DRY	No.2
M - J	2x6	DRY	No.2
J - H	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 1	12	TOP
C-E 1	12	TOP
E-G 1	12	TOP
G-H 1	12	TOP
M-B 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J 2	12	TOP
J-H 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	TOP

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PILES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW4	MT20	5.0	6.0	2.50	1.75
C TTWW-m	MT20	5.0	6.0	2.00	1.75
D TMWW-w	MT20	2.0	4.0		
E TS4	MT20	3.0	6.0		
F TMWW-t	MT20	4.0	4.0		
G TMVW4	MT20	5.0	6.0	2.50	2.50
H BMVW4	MT20	3.0	6.0		
I BMWW-t	MT20	5.0	6.0	2.50	2.50
J BS-t	MT20	5.0	6.0		
K BMWW-t	MT20	5.0	6.0		
L BMWW-t	MT20	5.0	6.0		
M BMVW-t	MT20	3.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	GROSS REACTION	BRG	BRG
H	2575 0	2575 0	0 0	1-8	1-8
M	1810 0	1810 0	0 0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1808	1286 / 0	0 / 0	0 / 0	0 / 0	540 / 0	0 / 0
M	1288	888 / 0	0 / 0	0 / 0	0 / 0	370 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(B) H, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED	FACTORED	MAX	WEBS	MAX. FACTORED	FACTORED	MAX
MEMB.	FORCE (LBS)	VERT.	PLF	CSI (LC)	MEMB.	FORCE (LBS)	FACTORED	MAX
FR-TO					FR-TO			
A-B	0 / 39	-102.1	-102.1	0.08 (1)	10.00	L-C	-293 / 0	0.04 (1)
B-C	-1898 / 0	-102.1	-102.1	0.18 (1)	6.13	B-L	0 / 1618	0.20 (1)
C-D	-2875 / 0	-102.1	-102.1	0.25 (1)	5.16	I-G	0 / 3784	0.47 (1)
D-E	-2875 / 0	-102.1	-102.1	0.36 (1)	5.00	C-K	0 / 1580	0.20 (1)
E-F	-2875 / 0	-102.1	-102.1	0.36 (1)	5.00	I-F	0 / 1580	0.20 (1)
F-N	-3128 / 0	-102.1	-102.1	0.40 (1)	4.77	K-D	0 / 1580	0.20 (1)
N-O	-3128 / 0	-102.1	-102.1	0.40 (1)	4.77	K-D	0 / 1580	0.20 (1)
O-P	-3128 / 0	-102.1	-102.1	0.40 (1)	4.77	K-D	0 / 1580	0.20 (1)
P-G	-3128 / 0	-102.1	-102.1	0.40 (1)	4.77	K-D	0 / 1580	0.20 (1)
H-G	-2518 / 0	0.0	0.0	0.31 (1)	7.14			
M-B	-1779 / 0	0.0	0.0	0.08 (1)	7.81			
M-L	0 / 0	-17.5	-17.5	0.02 (4)	10.00			
L-K	0 / 1588	-17.5	-17.5	0.12 (1)	10.00			
K-J	0 / 3128	-17.5	-17.5	0.33 (1)	10.00			
J-Q	0 / 3128	-17.5	-17.5	0.33 (1)	10.00			
Q-I	0 / 3128	-17.5	-17.5	0.33 (1)	10.00			
I-R	0 / 0	-17.5	-17.5	0.08 (4)	10.00			
R-S	0 / 0	-17.5	-17.5	0.06 (4)	10.00			
S-T	0 / 0	-17.5	-17.5	0.08 (4)	10.00			
T-H	0 / 0	-17.5	-17.5	0.06 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
N	15-3-12	-123	-123		FRONT	VERT	TOTAL		
O	17-3-12	-123	-123		FRONT	VERT	TOTAL		
P	19-3-12	-128	-128		FRONT	VERT	TOTAL		
Q	14-4-8	-1378	-1378		FRONT	VERT	TOTAL		
R	15-3-12	-25	-25		FRONT	VERT	TOTAL		
S	17-3-12	-25	-25		FRONT	VERT	TOTAL		
T	19-3-12	-28	-28		FRONT	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN PLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.87")
CALCULATED VERT. DEFL. (LL) = L/999 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.87")
CALCULATED VERT. DEFL. (TL) = L/999 (0.11")

CSI: TC=0.40/1.00 (F-G-1), SC=0.33/1.00 (H-K-1), WB=0.47/1.00 (G-I-1), SS=0.45/1.00 (I-K-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1657 788

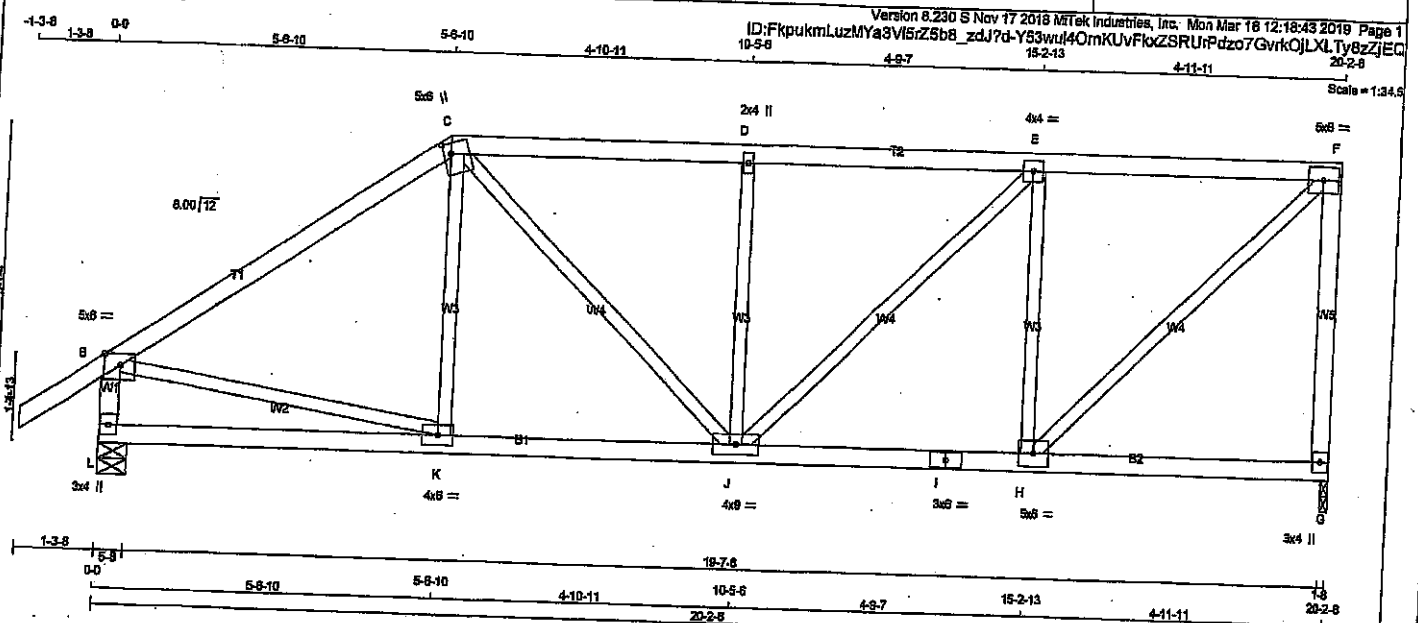
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.77 (G) (INPUT = 0.80)
JSI METAL = 0.42 (J) (INPUT = 1.00)

DRWG NO. TAM 77905353
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	ORWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:43 2019 Page 1	



LUMBER			
N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS			
A - C	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - I	2x4	DRY	No.2
J - L	2x4	DRY	No.2
M - O	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	Edge	
C TTMVW-m	MT20	5.0	6.0	2.00	1.50
D TTMVW-w	MT20	2.0	4.0		
E TMVW-t	MT20	4.0	4.0		
F TMVW-l	MT20	5.0	6.0		
G BMV1-p	MT20	3.0	4.0		
H BMVW-l	MT20	5.0	6.0		
I BS-t	MT20	3.0	6.0		
J BMVW-w	MT20	4.0	9.0		
K BMVW-l	MT20	4.0	6.0		
L BMV1-p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1208	0	1208	0	1-8	1-8
L	1349	0	1349	0	5-8	5-8

UNFACTORED REACTIONS						
1ST LOSE MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
G	849	537/0	0/0	0/0	0/0	283/0
L	948	686/0	0/0	0/0	0/0	279/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/39	-102.1	-102.1 0.14 (1)	10.00	K-C	-88/59	0.03 (1)
B-C	-1237/0	-102.1	-102.1 0.83 (1)	4.86	B-K	0/1047	0.24 (1)
C-D	-1317/0	-102.1	-102.1 0.35 (1)	5.20	H-F	0/1380	0.31 (1)
D-E	-1317/0	-102.1	-102.1 0.37 (1)	5.17	C-J	0/407	0.08 (1)
E-F	-999/0	-102.1	-102.1 0.35 (1)	5.76	H-E	-888/0	0.33 (1)
G-F	-1173/0	0.0	0.0 0.52 (1)	7.36	J-D	-534/0	0.21 (1)
L-B	-1308/0	0.0	0.0 0.13 (1)	7.08	J-E	0/451	0.10 (1)
L-K	0/0	-17.5	-17.5 0.12 (4)	10.00			
K-J	0/1026	-17.5	-17.5 0.23 (1)	10.00			
J-I	0/999	-17.5	-17.5 0.21 (1)	10.00			
I-H	0/999	-17.5	-17.5 0.21 (1)	10.00			
H-G	0/0	-17.5	-17.5 0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 87 = 173 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCS 2010, NBCS 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBCS 2018, CBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.08")

CS: TC=0.63/1.00 (B-C:1), BC=0.23/1.00 (J-K:1),
WB=0.33/1.00 (E-H:1), SS=0.24/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

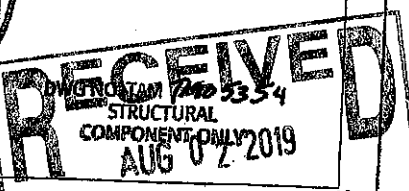
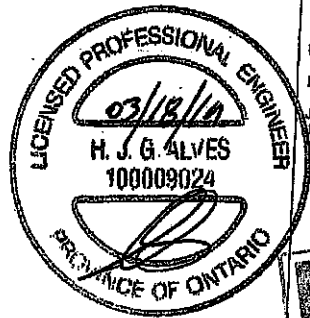
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)	
MAX	MIN	MAX	MIN
MT20	618	354	1887
		788	1887

PLATE PLACEMENT TOL. = 0.250 inches

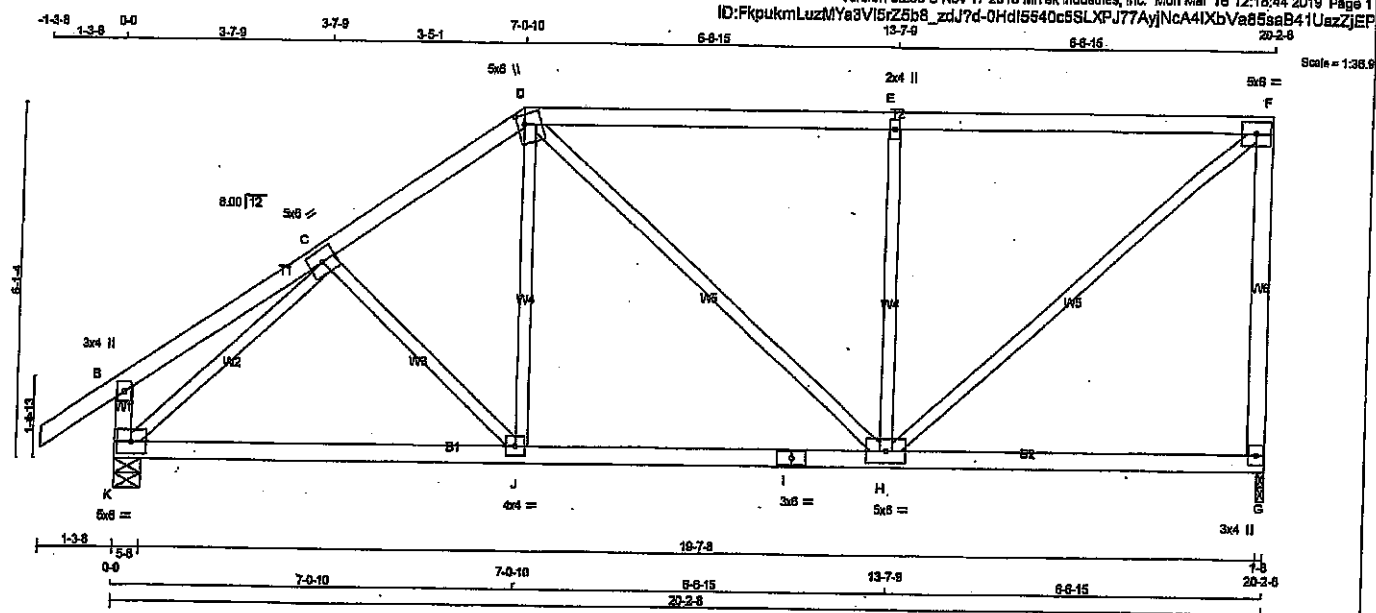
PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP= 0.77 (B) (INPUT = 0.99)
ISI METAL= 0.30 (I) (INPUT = 1.00)



JOB NAME 401769	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR
CHORDS			
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
K - B	2x4	DRY	No.2
K - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY, SEASONED LUMBER.

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMV+p	MT20	3.0	4.0
C	TMVW-t	MT20	5.0	8.0
D	TTVW+m	MT20	5.0	8.0
E	TMVW-w	MT20	2.0	4.0
F	TMVW-t	MT20	5.0	8.0
G	BMV1+p	MT20	3.0	4.0
H	BMVWV-t	MT20	5.0	8.0
I	BS-t	MT20	3.0	6.0
J	BMVW-t	MT20	4.0	4.0
K	BMVW1-t	MT20	5.0	8.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	VERT	GROSS REACTION	BRG	BRG
G	1208	0	1208	0	1-8
K	1349	0	1349	0	5-8

UNFACTORED REACTIONS		1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
G	849	587/0	0/0
K	945	588/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, K

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.81 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING		TOTAL LOAD CASES: (4)	
CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0/39	C-J	-105/16
B-C	0/22	J-D	0/204
C-D	-1188/0	D-H	0/75
D-E	-1029/0	H-E	-833/0
E-F	-1028/0	E-F	0/1389
F-G	-1180/0	K-C	-1458/0
G-H	-280/0		
K-J	0/1044		
J-I	0/872		
I-H	0/872		
H-G	0/0		

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
 - PART 9 OF NBCC 2015, CBC 2012
 - CSA 088-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
 ALLOWABLE DEFL.(TL) = L/360 (0.67")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.84/1.00 (F-G:1), BC=0.27/1.00 (J-K:1), WB=0.58/1.00 (C-K:1), SS=0.33/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

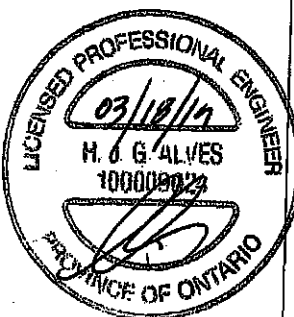
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

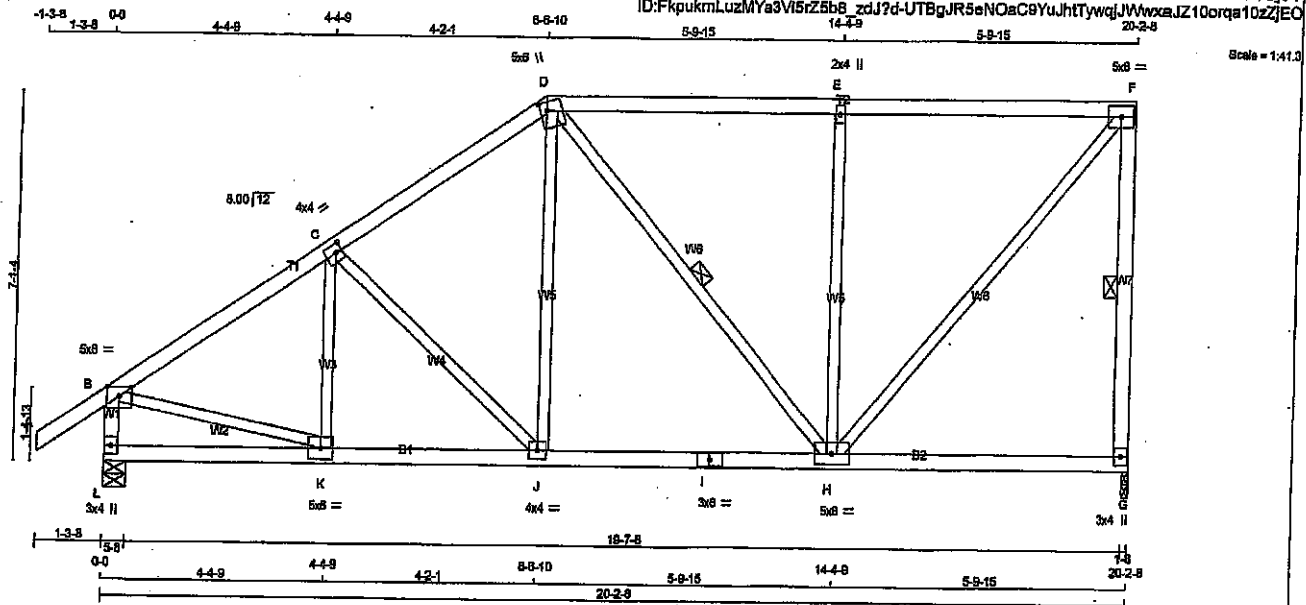
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.73 (H) (INPUT = 0.90)
 SI METAL= 0.35 (C) (INPUT = 1.00)



DWG NO. TAM 71905355
 STRUCTURAL
 COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



TOTAL WEIGHT = 2 X 94 = 188 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. & A. RULES	A - D	2x4	DRY	No.2	SPF
	D - F	2x4	DRY	No.2	SPF
	G - F	2x4	DRY	No.2	SPF
	L - B	2x4	DRY	No.2	SPF
	L - I	2x4	DRY	No.2	SPF
	I - G	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TMVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP/LIFT	IN-SX
G	1208	0	1208	0
L	1349	0	1349	0

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	849	587 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0
L	946	668 / 0	0 / 0	0 / 0	0 / 0	279 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.26 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	K-C	-193 / 10	0.05 (1)
B-C	-1280 / 0	-102.1 -102.1	0.35 (1)	5.26	C-J	-289 / 0	0.18 (1)
C-D	-1088 / 0	-102.1 -102.1	0.33 (1)	5.62	J-D	0 / 280	0.07 (1)
D-E	-808 / 0	-102.1 -102.1	0.81 (1)	5.58	D-H	-114 / 0	0.08 (1)
E-F	-809 / 0	-102.1 -102.1	0.81 (1)	5.58	H-E	-737 / 0	0.64 (1)
G-F	-1167 / 0	0.0 0.0	0.27 (1)	5.90	H-F	0 / 1239	0.28 (1)
L-B	-1315 / 0	0.0 0.0	0.14 (1)	7.05	B-K	0 / 1129	0.25 (1)
L-K	0 / 0	-17.5 -17.5	0.07 (4)	10.00			
K-J	0 / 1098	-17.5 -17.5	0.22 (1)	10.00			
J-I	0 / 882	-17.5 -17.5	0.22 (1)	10.00			
I-H	0 / 882	-17.5 -17.5	0.22 (1)	10.00			
H-G	0 / 0	-17.5 -17.5	0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 8.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(65 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CS1 TO=0.61/1.00 (E-F-1), BC=0.22/1.00 (J-K-1),
WB=0.64/1.00 (E-H-1), SS=0.28/1.00 (E-F-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

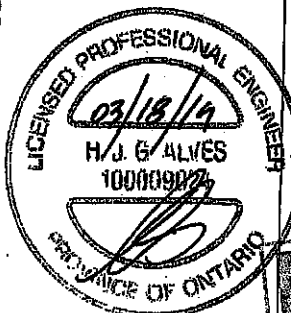
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1887 1658

PLATE PLACEMENT TOL = 0.250 inches

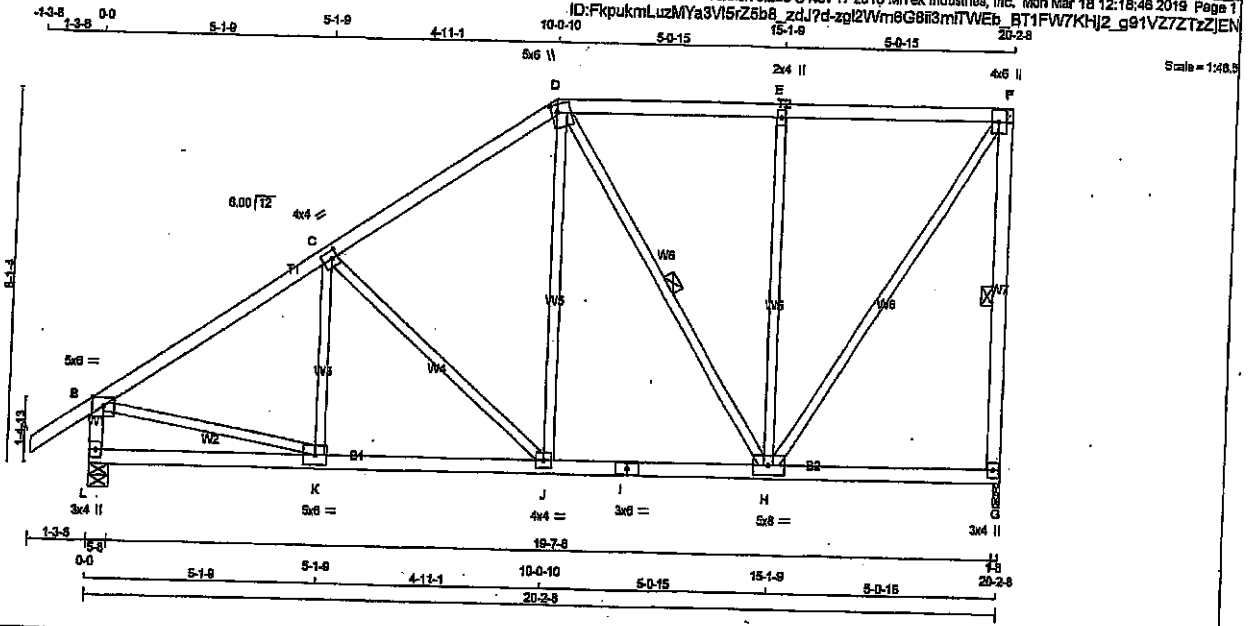
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.78 (B) (INPUT = 0.90)
JSI METAL= 0.31 (I) (INPUT = 1.00)



TOWN OF CALEDON
BUILDING SECTION
FILE NO.

JOB NAME 401769	TRUSS NAME T5	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Farmerack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mytek Industries, Inc. Mon Mar 18 12:18:48 2019 Page 1 ID: FkpkumLuzMya3V15rZ5b8_zdJ7d-zgl2VWm6G8i3mITVeb_BT1FW7KHJ2_g91VZ7ZtZJEN	



TOTAL WEIGHT = 2 X 99 = 198 lb

LUMBER
N.L.G.A. RULES

CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVV-p	MT20	5.0	6.0	Edge
C	TMVV-t	MT20	4.0	4.0	2.00 1.50
D	TMVV+m	MT20	5.0	6.0	2.00 1.50
E	TMVV-w	MT20	2.0	4.0	
F	TMVV-p	MT20	4.0	6.0	
G	BMV1-p	MT20	3.0	4.0	
H	BMVVW-1	MT20	5.0	8.0	
I	BS-1	MT20	3.0	6.0	
J	BMVV-1	MT20	4.0	4.0	
K	BMVV-1	MT20	5.0	6.0	
L	BMV1-p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1208	0	1208	0	1-8	1-8
L	1349	0	1349	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
G	849	587 / 0	0 / 0	0 / 0	0 / 0	283 / 0
L	945	666 / 0	0 / 0	0 / 0	0 / 0	278 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 5.02 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBB				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	CS1 LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)		
R-TO		FROM	TO		FR-TO				
A-B	0 / 139	-102.1	-102.1	0.14 (1)	10.00	K-C	-135 / 42 0.05 (1)		
B-C	-1294 / 0	-102.1	-102.1	0.50 (1)	5.02	C-J	-433 / 0 0.36 (1)		
C-D	-977 / 0	-102.1	-102.1	0.47 (1)	5.82	J-D	0 / 373 0.08 (1)		
D-E	-638 / 0	-102.1	-102.1	0.45 (1)	6.25	D-H	-278 / 0 0.18 (1)		
E-F	-637 / 0	-102.1	-102.1	0.45 (1)	6.25	H-E	-641 / 0 0.26 (1)		
F-B	-1171 / 0	0.0	0.0	0.35 (1)	5.90	H-F	0 / 1162 0.51 (1)		
L-B	-1311 / 0	0.0	0.0	0.14 (1)	7.08	B-K	0 / 1129 0.25 (1)		
L-K	0 / 0	-17.5	-17.5	0.11 (4)	10.00				
K-J	0 / 1105	-17.5	-17.5	0.23 (1)	10.00				
J-I	0 / 787	-17.5	-17.5	0.18 (1)	10.00				
I-H	0 / 787	-17.5	-17.5	0.18 (1)	10.00				
H-G	0 / 0	-17.5	-17.5	0.11 (4)	10.00				

DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
BOT CH. LL = 6.0 PSF
LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24" IN G/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, OSC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(35 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.67")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.67")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CSI: TC=0.50/1.00 (B-C-1), EC=0.23/1.00 (J-K-1), WB=0.81/1.00 (E-H-1), SS=0.25/1.00 (E-F-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

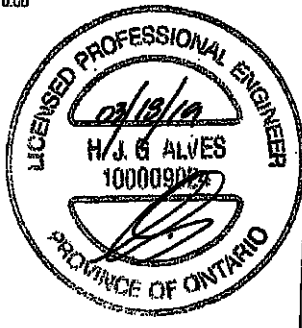
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN
MT20	618	354	1687	788 1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.77 (B) (INPUT = 0.80)
JSI METAL = 0.29 (F) (INPUT = 1.00)

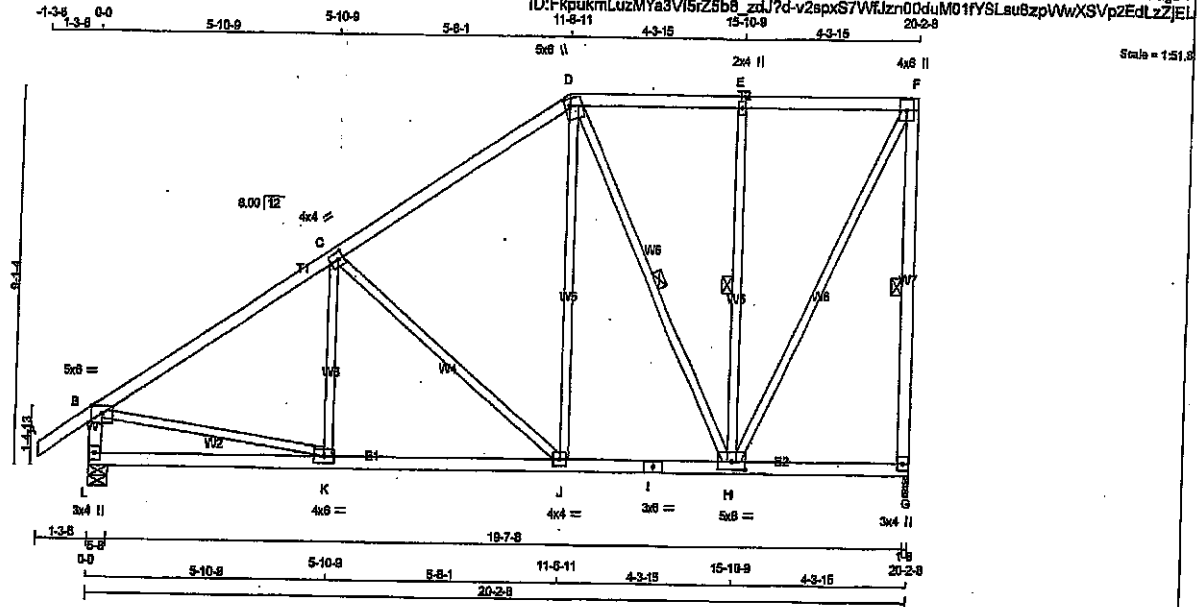


DRWG NO. TAM **T1905357**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T6	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 105 = 210 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - F	2x4	DRY	No.2	SPF		
L - B	2x4	DRY	No.2	SPF		
L - I	2x4	DRY	No.2	SPF		
L - G	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		

EXCEPT
DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMVW+L	MT20	4.0	4.0	2.00	1.50
D	TMVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW+p	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW+L	MT20	5.0	6.0	2.25	4.00
I	BS+L	MT20	3.0	6.0		
J	BMVW+L	MT20	4.0	4.0		
K	BMVW+L	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
G	1208	0	1-8	1-8
L	1349	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	849	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	946	666 / 0	0 / 0	0 / 0	0 / 0	279 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.09 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0/39	-102.1	-102.1 0.14 (1)	10.00	K-C	-87/71 0.04 (1)	
B-C	-1285/0	-102.1	-102.1 0.48 (1)	5.09	C-J	-580/0 0.66 (1)	
C-D	-897/0	-102.1	-102.1 0.45 (1)	5.96	J-D	0/481 0.10 (1)	
D-E	-497/0	-102.1	-102.1 0.24 (1)	6.25	D-H	-425/0 0.29 (1)	
E-F	-498/0	-102.1	-102.1 0.24 (1)	6.25	H-E	-844/0 0.29 (1)	
G-F	-1178/0	0.0	0.0 0.45 (1)	5.88	H-F	0/1120 0.25 (1)	
L-B	-1308/0	0.0	0.0 0.13 (1)	7.06	B-K	0/1120 0.25 (1)	
L-K	0/0	-17.5	-17.5 0.15 (4)	10.00			
K-J	0/1101	-17.5	-17.5 0.25 (1)	10.00			
J-I	0/684	-17.5	-17.5 0.15 (1)	10.00			
I-H	0/684	-17.5	-17.5 0.15 (1)	10.00			
H-G	0/0	-17.5	-17.5 0.07 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
BOT CH. LL = 6.0 PSF
LL = 0.0 PSF
LL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(85 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.67")
CALCULATED VERT. DEFL. (LL) = L/699 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.67")
CALCULATED VERT. DEFL. (TL) = L/699 (0.08")

CSI: TC=0.48/1.00 (B-C-1), EC=0.25/1.00 (J-K-1),
WB=0.68/1.00 (C-L-1), SSI=0.24/1.00 (B-C-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

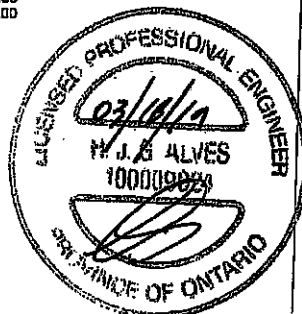
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1887 1858

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP= 0.77 (B) (INPUT = 0.90)
ISI METAL= 0.28 (K) (INPUT = 1.00)

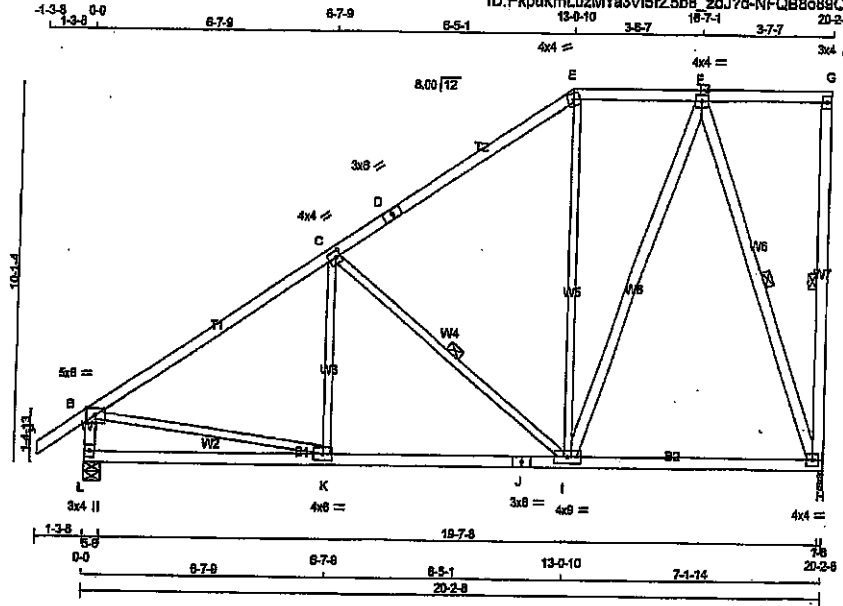


DRWG NO. TAM 71905358
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T7	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:57.3

TOTAL WEIGHT = 3 X 110 = 330 lb

LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
L - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - H	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	6.0	Edge
C	TMVW-t	MT20	4.0	4.0	2.00 1.50
D	TS-t	MT20	3.0	6.0	
E	TTW-m	MT20	4.0	4.0	
F	TMVW-t	MT20	4.0	4.0	
G	TMVW-p	MT20	3.0	4.0	
H	BMVW-t	MT20	4.0	4.0	
I	BMVW-t	MT20	4.0	9.0	
J	BS-t	MT20	3.0	6.0	
K	BMVW-t	MT20	4.0	6.0	
L	BMVW-p	MT20	3.0	4.0	

Edges - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	BRG	IN-SX	IN-SX
H	1208 0	H	1208 0	0	0	1-8	1-8
L	1349 0	L	1349 0	0	0	5-8	5-8

UNFACTORED REACTIONS		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	JT	COMBINED
H	849 587/0	H	0/0 0/0
L	948 666/0	L	0/0 0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.85 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, C-I, F-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSF (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/39	-102.1 -102.1	0.14 (1)	10.00	K-C	-56/85	0.03 (4)
B-C	-1282/0	-102.1 -102.1	0.63 (1)	4.85	C-I	-873/0	0.34 (1)
C-D	-736/0	-102.1 -102.1	0.58 (1)	6.02	I-E	0/57	0.02 (4)
D-E	-736/0	-102.1 -102.1	0.58 (1)	6.02	B-K	0/1102	0.25 (1)
E-F	-573/0	-102.1 -102.1	0.17 (1)	5.25	I-F	0/598	0.10 (1)
F-G	0/0	-102.1 -102.1	0.22 (1)	10.00	F-H	-1085/0	0.62 (1)
H-G	-141/0	0.0 0.0	0.07 (1)	6.25			
L-B	-1300/0	0.0 0.0	0.13 (1)	7.08			
L-K	0/0	-17.5 -17.5	0.17 (4)	10.00			
K-J	0/1088	-17.5 -17.5	0.29 (1)	10.00			
J-I	0/1088	-17.5 -17.5	0.29 (1)	10.00			
I-H	0/375	-17.5 -17.5	0.22 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 29.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSF: TC=0.63/1.00 (B-C:1), BC=0.29/1.00 (I-K:1), WS=0.82/1.00 (F-H:1), GS=0.27/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

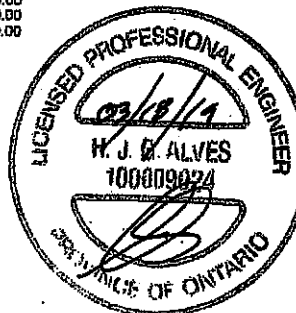
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (FS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

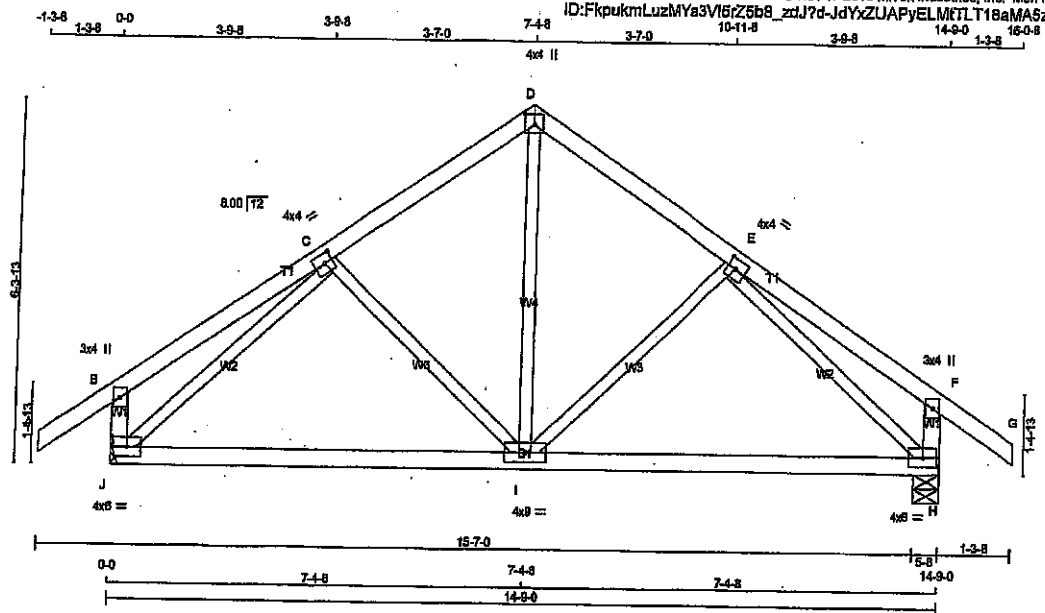
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (B) (INPUT = 0.90)
JSI METAL= 0.36 (J) (INPUT = 1.00)



DRWG NO. TAM 71905359
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T8	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



Scale = 1/32

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ID: FkpukmLuzMYa3V16rZ5b8 zdJ7d-JdYyZUAPyELMTLT18aMA5zQALzPJL7uBnHuEgZzJEI

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
J - B	2x4	DRY	No.2	SPF	
H - F	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVW+t	MT20	4.0	4.0	2.00	1.75
D TTVW+p	MT20	4.0	4.0	2.25	2.00
E TMVW+t	MT20	4.0	4.0	2.00	1.75
F TMV+p	MT20	3.0	4.0		
H BMVW+t	MT20	4.0	6.0		
I BMVW+t	MT20	4.0	6.0		
J BMVW+t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1022	0	1022	0
H	1022	0	1022	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 1-8.

UNFACTORED REACTIONS

1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	716	508 / 0	0 / 0	0 / 0	208 / 0	0 / 0
H	716	508 / 0	0 / 0	0 / 0	208 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 39	-102.1 -102.1 0.14 (1)	I-D	0 / 458
B-C	0 / 24	-102.1 -102.1 0.22 (1)	I-E	-215 / 0
C-D	-998 / 0	-102.1 -102.1 0.17 (1)	C-I	-215 / 0
D-E	-998 / 0	-102.1 -102.1 0.17 (1)	J-C	-993 / 0
E-F	0 / 24	-102.1 -102.1 0.22 (1)	E-H	-993 / 0
F-G	0 / 39	-102.1 -102.1 0.14 (1)		
J-B	-285 / 0	0.0 0.0 0.03 (1)		
H-F	-285 / 0	0.0 0.0 0.03 (1)		
J-I	0 / 716	-17.5 -17.5 0.32 (4)		
I-H	0 / 716	-17.5 -17.5 0.32 (4)		

TOTAL WEIGHT = 4 X 63 = 252 lb [MIP]

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS TRUSS COMPLIES WITH:
- PART 9 OF BCBC 2018, OSC 2012
- CSA 086-09, CSA 085-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = 1/360 (0.48")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.02")
ALLOWABLE DEFL. (TL) = 1/360 (0.48")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.07")

CSI: TC=0.22/1.00 (B-C:1), BC=0.32/1.00 (I-J:4), WB=0.41/1.00 (E-H:1), SS=0.15/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

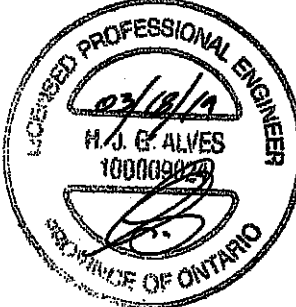
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1657 788 1987 1638

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

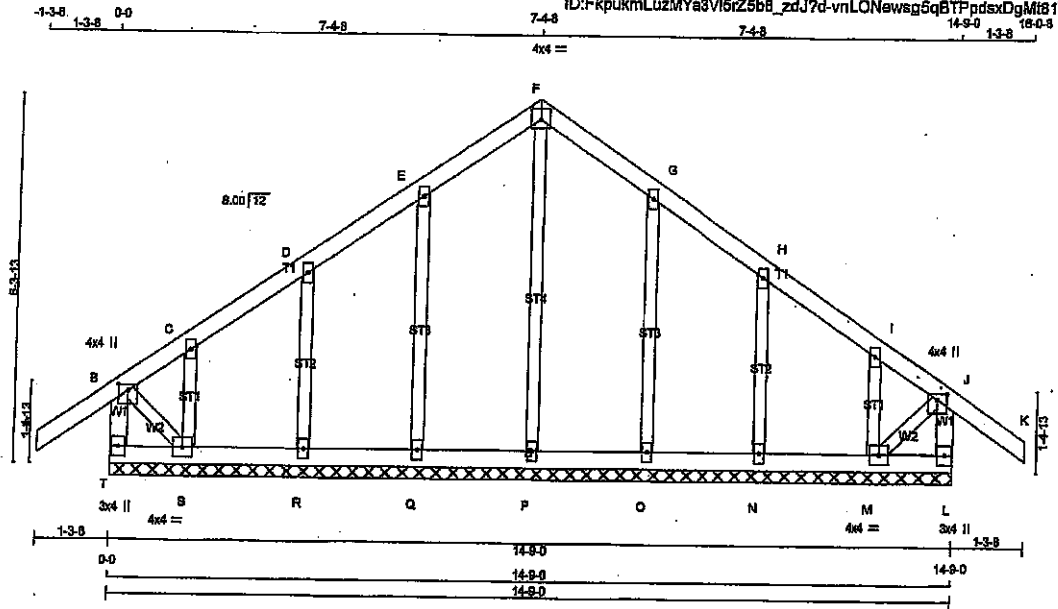
JSI GRIP= 0.72 (C) (INPUT = 0.90)

JSI METAL= 0.35 (C) (INPUT = 1.00)



DRWG NO. TAM **71905360**
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME G8	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 5 Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:18:31 2019 Page 1	



LUMBER						
N.L.G. A. RULES						
CHORDS		SIZE		LUMBER		DESCR
T - B	2x4	DRY		No.2		SPF
A - F	2x4	DRY		No.2		SPF
F - K	2x4	DRY		No.2		SPF
L - J	2x4	DRY		No.2		SPF
T - L	2x4	DRY		No.2		SPF
ALL WEBS		2x3	DRY	No.2		SPF
ALL GABLE WEBS		2x3	DRY	No.2		SPF
DRY: SEASONED LUMBER.						

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWV+p	MT20	4.0	4.0	1.25	2.00
C, D, E, G, H, I					
C TMWV+w	MT20	2.0	4.0		
F TMWV+p	MT20	4.0	4.0	2.25	2.00
J TMWV+p	MT20	4.0	4.0	1.25	2.00
L BMWV1+p	MT20	3.0	4.0		
M BMWV1+t	MT20	4.0	4.0		
N, O, P, Q, R					
N BMWV1+w	MT20	2.0	4.0		
S BMWV1+t	MT20	4.0	4.0		
T BMWV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	LENGTH	FR-TO	
T-B	-303 / 0	0.0	0.0 0.03 (1)	P-F	-160 / 0
A-B	0 / 39	-102.1 -102.1	0.14 (1) 10.00	Q-E	-229 / 0
B-C	-62 / 0	-102.1 -102.1	0.13 (1) 8.25	R-D	-211 / 0
C-D	-14 / 0	-102.1 -102.1	0.05 (1) 8.25	S-C	-88 / 0
D-E	-13 / 0	-102.1 -102.1	0.06 (1) 8.25	O-G	-229 / 0
E-F	-22 / 0	-102.1 -102.1	0.08 (1) 8.25	N-H	-211 / 0
F-G	-22 / 0	-102.1 -102.1	0.08 (1) 8.25	M-I	-88 / 0
G-H	-13 / 0	-102.1 -102.1	0.06 (1) 8.25	B-S	0 / 27
H-I	-14 / 0	-102.1 -102.1	0.05 (1) 8.25	M-J	0 / 27
I-J	-62 / 0	-102.1 -102.1	0.13 (1) 10.00		
J-K	0 / 39	-102.1 -102.1	0.14 (1) 10.00		
L-J	-303 / 0	0.0	0.0 0.03 (1) 7.81		
T-S	0 / 0	-17.5	-17.5 0.01 (4) 10.00		
S-R	0 / 18	-17.5	-17.5 0.01 (4) 10.00		
R-Q	0 / 12	-17.5	-17.5 0.01 (4) 10.00		
Q-P	0 / 8	-17.5	-17.5 0.01 (4) 10.00		
P-O	0 / 8	-17.5	-17.5 0.01 (4) 10.00		
O-N	0 / 12	-17.5	-17.5 0.01 (4) 10.00		
N-M	0 / 18	-17.5	-17.5 0.01 (4) 10.00		
M-L	0 / 0	-17.5	-17.5 0.01 (4) 10.00		

TOTAL WEIGHT = 65 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	42.0	PSF

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TO=0.14/1.00 (A-B:1), BO=0.01/1.00 (M-N:4), WB=0.10/1.00 (F-P:1), SS=0.08/1.00 (A-S:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

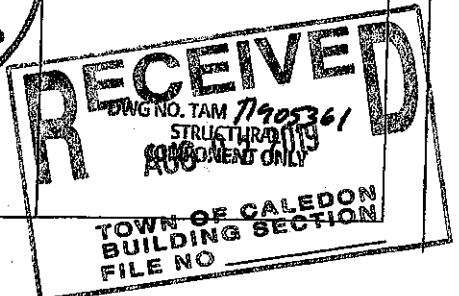
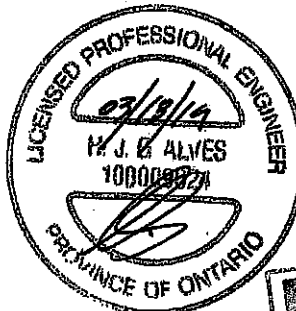
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	818	354	1687

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

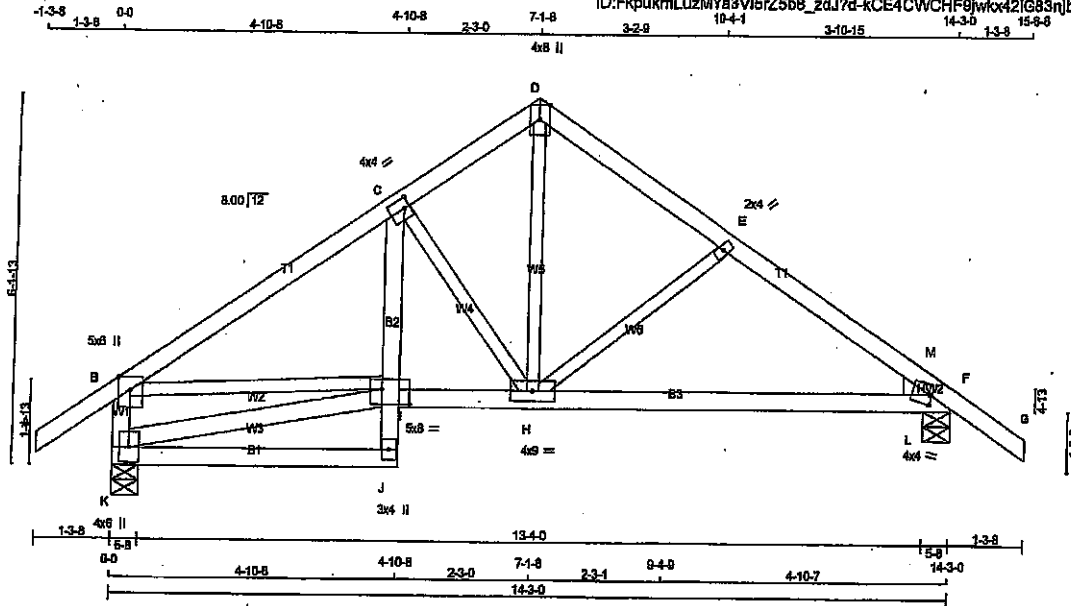
JSI GRIP= 0.21 (J) (INPUT = 0.90)
JSI METAL= 0.12 (G) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T9S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:35.7

TOTAL WEIGHT = 2 X 64 = 128 lb

LUMBER					
N. L. G. A. RULES					
CHORDS	SIZE	DRY	LUMBER	DESCR	
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
K - B	2x4	DRY	No.2	SPF	
K - J	2x4	DRY	No.2	SPF	
J - C	2x4	DRY	No.2	SPF	
I - F	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
K - I	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMAVW+p	MT20	5.0	6.0	Edge	
C TMAVW-i	MT20	4.0	4.0	2.00	1.00
D TTVW+p	MT20	4.0	8.0	Edge	
E TMAVW-w	MT20	2.0	4.0		
F TMSH1-m	MT20	4.0	4.0	2.00	0.50
H BMVWVW-t	MT20	4.0	8.0		
I BMVWVW-i	MT20	5.0	8.0	3.00	5.50
J BMVW+p	MT20	3.0	4.0		
K BMVW1+p	MT20	4.0	8.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	HORZ	GROSS REACTION	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	HEEL
K	992	0	992	0	0	0	5-8	5-8	2x4 R
F	992	0	992	0	0	0	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	695	493 / 0	0 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
F	695	493 / 0	0 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MAX. FACTORED		FACTORED		MAX. FACTORED				
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	LENGTH		(LBS)	CSI (LC)	
FR-TO		FROM	TO		FR-TO			
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-I	-21 / 0	0.01 (1)
B-C	-1043 / 0	-102.1	-102.1	0.28 (1)	5.82	B-I	0 / 887	0.20 (1)
C-D	-818 / 0	-102.1	-102.1	0.21 (1)	6.25	H-D	0 / 889	0.15 (1)
D-E	-785 / 0	-102.1	-102.1	0.15 (1)	6.25	C-H	-421 / 0	0.11 (1)
E-M	-1083 / 0	-102.1	-102.1	0.15 (1)	6.88	H-E	-372 / 0	0.11 (1)
M-F	-1238 / 0	-102.1	-102.1	0.08 (4)	5.75	L-M	0 / 113	0.00 (1)
F-G	0 / 36	-102.1	-102.1	0.14 (1)	10.00			
K-B	-947 / 0	0.0	0.0	0.10 (1)	7.91			
K-J	0 / 20	-17.5	-17.5	0.12 (4)	10.00			
J-I	0 / 46	0.0	0.0	0.03 (1)	10.00			
I-C	0 / 35	0.0	0.0	0.03 (1)	10.00			
I-H	0 / 693	-17.5	-17.5	0.24 (1)	10.00			
H-L	0 / 633	-17.5	-17.5	0.24 (1)	10.00			
L-F	0 / 633	-17.5	-17.5	0.15 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.48")
CALCULATED VERT. DEFL. (LL) = L/898 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.48")
CALCULATED VERT. DEFL. (TL) = L/898 (0.08")

CSI: TC=0.28/1.00 (B-C:1), BC=0.24/1.00 (H-L:1), WB=0.20/1.00 (B-I:1), SS=0.18/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

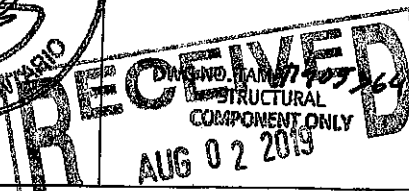
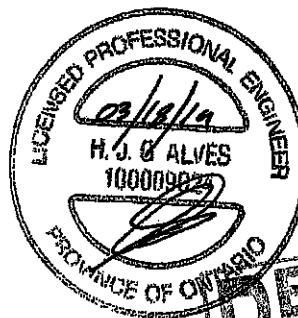
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 785 1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (F) (INPUT = 0.90)
JSI METAL= 0.47 (F) (INPUT = 1.00)

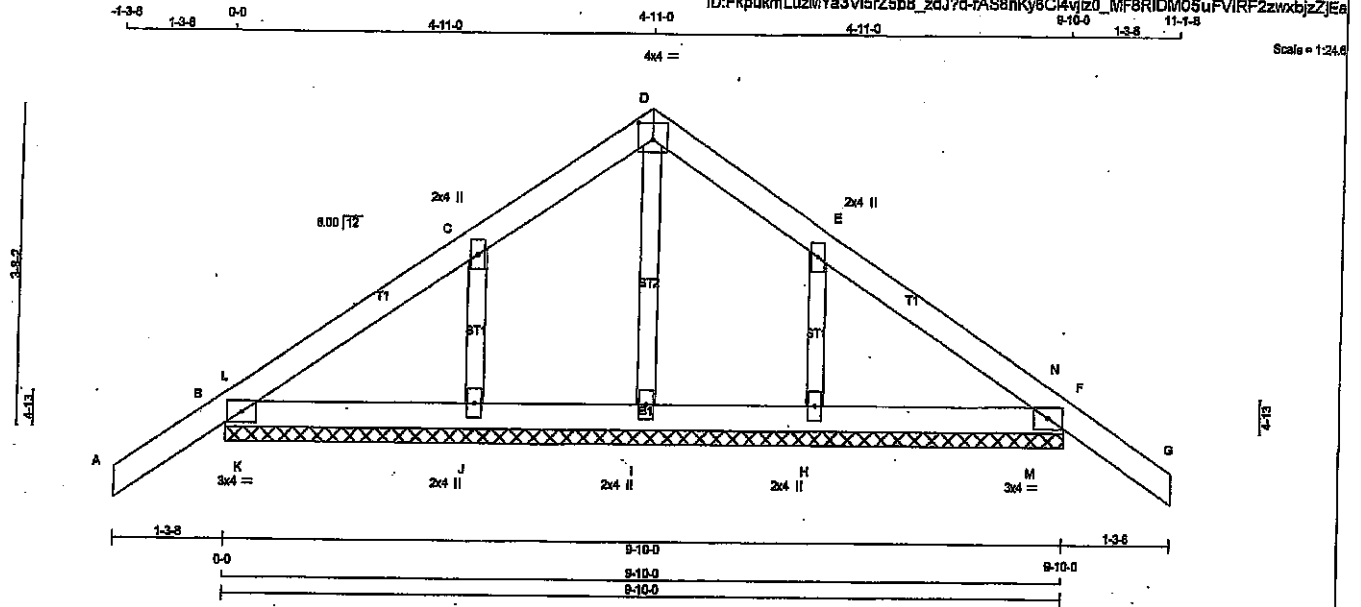


TOWN OF CALEDON
BUILDING SECTION
FILE NO

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G10	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:24.0

TOTAL WEIGHT = 34 lb

LUMBER						
N.L.G.A. RULES						
CHORDS		SIZE		LUMBER		DESCR
A - D	2x4	DRY		No.2		SPF
D - G	2x4	DRY		No.2		SPF
B - F	2x4	DRY		No.2		SPF
ALL WEBS		2x3	DRY	No.2		SPF
ALL GABLE WEBS		2x3	DRY	No.2		SPF
DRY: SEASONED LUMBER.						

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMS1-H	MT20	3.0	4.0		
C	TMS1-H	MT20	2.0	4.0		
D	TTW-H	MT20	4.0	4.0	2.25	2.00
E	TMS1-H	MT20	2.0	4.0		
F	TMS1-H	MT20	3.0	4.0		
H	BMW1-H	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
A-B	0/38	-102.1 -102.1	0.14 (1)	I-D	-88/0	0.02 (1)	
B-L	-50/0	-102.1 -102.1	0.01 (1)	J-C	-285/0	0.04 (1)	
L-C	-55/0	-102.1 -102.1	0.08 (1)	H-E	-285/0	0.04 (1)	
C-D	-71/0	-102.1 -102.1	0.08 (1)	K-L	-145/3	0.00 (1)	
D-E	-71/0	-102.1 -102.1	0.08 (1)	M-N	-145/3	0.00 (1)	
E-N	-85/0	-102.1 -102.1	0.08 (1)				
N-F	-50/0	-102.1 -102.1	0.01 (1)				
F-G	0/38	-102.1 -102.1	0.14 (1)				
			10.00				
B-K	0/58	-17.5 -17.5	0.08 (1)				
K-J	0/55	-17.5 -17.5	0.08 (1)				
J-I	0/44	-17.5 -17.5	0.04 (1)				
I-H	0/44	-17.5 -17.5	0.04 (1)				
H-M	0/58	-17.5 -17.5	0.08 (1)				
M-F	0/58	-17.5 -17.5	0.08 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (F-G:1), BC=0.08/1.00 (B-K:1), WB=0.04/1.00 (E-H:1), SS=0.12/1.00 (F-M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

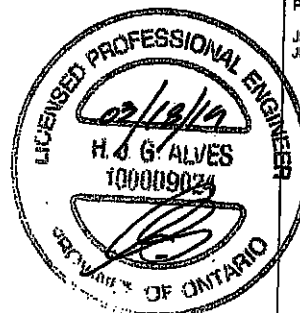
NAIL VALUES	PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	818	354	1967

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.28 (F) (INPUT = 0.80)
JSI METAL = 0.15 (C) (INPUT = 1.00)

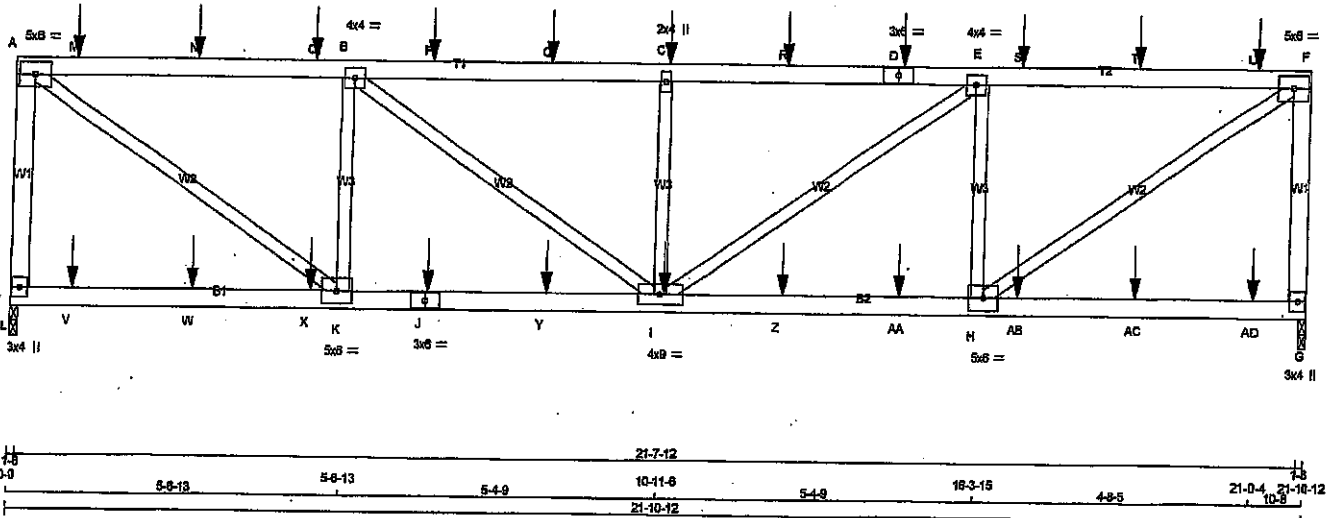
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



DRWG NO. TAM 7905365
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T11	QUANTITY 2	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:56 2019 Page 1
 ID: FkpukmLuzMYa3V15rZ5b6_zdJ7d-gblqcBEYnnzazFERqhAXs8gDwMhGQd1dK2_fvuzZJED
 21-04 21-10-12
 Scale = 1:35.6



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
L - A	2x4	DRY No.2	SPF
A - D	2x4	DRY No.2	SPF
D - F	2x4	DRY No.2	SPF
G - F	2x4	DRY No.2	SPF
L - J	2x4	DRY No.2	SPF
J - G	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
 DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122'x3') SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(61.0)
D-F	12	SIDE(0.0)
F-G	12	TOP
BOTTOM CHORDS: (0.122'x3') SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(61.0)
WEBS: (0.122'x3') SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMWW-t	MT20	5.0	6.0	
B	TMWW-t	MT20	4.0	4.0	
C	TMWW-t	MT20	2.0	4.0	
D	TS-t	MT20	3.0	6.0	
E	TMWW-t	MT20	4.0	4.0	
F	TMWW-t	MT20	5.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMWW-t	MT20	5.0	6.0	
I	BMWW-t	MT20	4.0	6.0	
J	BS-t	MT20	3.0	6.0	
K	BMWW-t	MT20	5.0	6.0	
L	BMV1+p	MT20	3.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
L	2119	0	2119	0
G	2134	0	2134	0

UNFACTORED REACTIONS

	1ST LOASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	1491	1018/0	0/0	0/0	0/0	473/0	0/0
G	1502	1028/0	0/0	0/0	0/0	477/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.68 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		PROM TO		FR-TO			
L-A	-2050/0	0.0	0.0 0.28 (1)	H-F	0/2888	0.37 (1)	
A-M	-2488/0	-102.1	-102.1 0.45 (1)	A-K	0/2881	0.37 (1)	
M-N	-2488/0	-102.1	-102.1 0.45 (1)	H-E	-1502/0	0.20 (1)	
N-O	-2488/0	-102.1	-102.1 0.45 (1)	K-B	-1503/0	0.20 (1)	
O-B	-2488/0	-102.1	-102.1 0.45 (1)	J-E	0/824	0.10 (1)	
B-P	-3138/0	-102.1	-102.1 0.47 (1)	B-I	0/821	0.10 (1)	
P-Q	-3138/0	-102.1	-102.1 0.47 (1)	I-C	-805/0	0.11 (1)	
Q-C	-3138/0	-102.1	-102.1 0.47 (1)				
C-R	-3138/0	-102.1	-102.1 0.47 (1)				
R-D	-3138/0	-102.1	-102.1 0.47 (1)				
D-E	-3138/0	-102.1	-102.1 0.47 (1)				
E-S	-2488/0	-102.1	-102.1 0.45 (1)				
S-T	-2488/0	-102.1	-102.1 0.45 (1)				
T-U	-2488/0	-102.1	-102.1 0.45 (1)				
U-F	-2488/0	-102.1	-102.1 0.45 (1)				
G-F	-2062/0	0.0	0.0 0.28 (1)				
L-V	0/0	-17.5	-17.5 0.12 (4)				
V-W	0/0	-17.5	-17.5 0.12 (4)				
W-X	0/0	-17.5	-17.5 0.12 (4)				
X-K	0/0	-17.5	-17.5 0.12 (4)				
K-J	0/2468	-17.5	-17.5 0.28 (1)				
J-Y	0/2468	-17.5	-17.5 0.28 (1)				
Y-I	0/2468	-17.5	-17.5 0.28 (1)				
I-Z	0/2468	-17.5	-17.5 0.28 (1)				
Z-AA	0/2468	-17.5	-17.5 0.28 (1)				
AA-H	0/2468	-17.5	-17.5 0.28 (1)				
H-AB	0/0	-17.5	-17.5 0.12 (4)				
AB-AC	0/0	-17.5	-17.5 0.12 (4)				
AC-AD	0/0	-17.5	-17.5 0.12 (4)				
AD-G	0/0	-17.5	-17.5 0.12 (4)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	11-0-4	-123	-123		BACK	VERT	TOTAL		
D	15-0-4	-123	-123		BACK	VERT	TOTAL		
I	11-0-4	-25	-25		BACK	VERT	TOTAL		
J	7-0-4	-25	-25		BACK	VERT	TOTAL		
M	1-0-4	-123	-123		BACK	VERT	TOTAL		
N	3-0-4	-123	-123		BACK	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2016

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 2018, CBC 2012
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.73")
 CALCULATED VERT. DEFL. (LL) = L/969 (0.07")
 ALLOWABLE DEFL. (TL) = L/360 (0.73")
 CALCULATED VERT. DEFL. (TL) = L/669 (0.12")

CSI: TO=0.477/1.00 (C-E-1), BC=0.28/1.00 (H-1), WB=0.37/1.00 (A-K-1), SS=0.25/1.00 (A-S-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

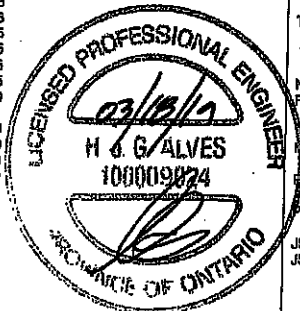
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 818 354 1867 788 1867 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.71 (K) (INPUT = 0.80)
 JSI METAL= 0.38 (J) (INPUT = 1.00)



DRWG NO. TAM 71905266

STRUCTURAL COMPONENTS

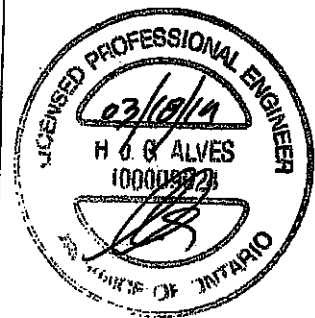
RECEIVED
 AUG 02 2018
 TOWN OF CALEDON SECTION

CONTINUED ON PAGE 2

JOB NAME 401769	TRUSS NAME T11	QUANTITY 2	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:FkpukmLuzMYa3Vl5rZ5b8 zdJ7d-gbLqcBEYnnzeZFERghAXs8gDwMhGOd1dK2 fvuzZjED

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
O	5-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
P	7-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
Q	9-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
R	13-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
S	17-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
T	19-0-4	-123	-123	--	BACK	VERT	TOTAL	--	--
U	21-0-4	-129	-129	--	BACK	VERT	TOTAL	--	--
V	1-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
W	3-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
X	5-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
Y	9-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
Z	13-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
AA	15-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
AB	17-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
AC	19-0-4	-25	-25	--	BACK	VERT	TOTAL	--	--
AD	21-0-4	-28	-28	--	BACK	VERT	TOTAL	--	--

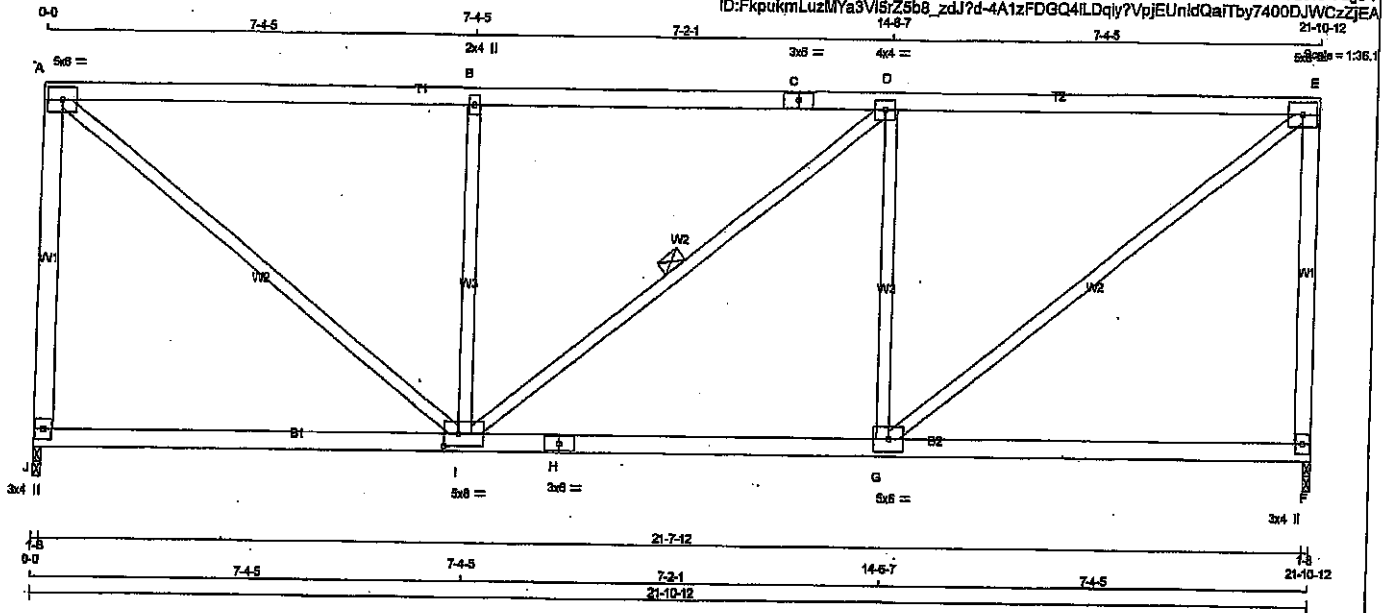


DWG NO. TAM **17905366**
 STRUCTURAL
 COMPONENT ONLY **2/1**

[illegible]

JOB NAME 401769	TRUSS NAME T13	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:FkpukmLuzMYa3V15iZ558_zdJ?d-4A1zFDGQ4ILDqly?VpjEUndQaTby7400DJWCzZJEa



TOTAL WEIGHT = 2 X 83 = 166 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
J - A	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWV-t	MT20	5.0	6.0		
B	TMW-w	MT20	2.0	4.0		
C	TS-t	MT20	3.0	6.0		
D	TMWV-t	MT20	4.0	4.0		
E	TMWV-t	MT20	5.0	6.0		
F	BMV1-p	MT20	3.0	4.0		
G	BMWV-t	MT20	5.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMWVW-t	MT20	5.0	6.0	2.50	3.00
J	BMV1-p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
J	1309	0	1309	0	1-8
F	1309	0	1309	0	1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
J	920	636 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	636 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.08 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

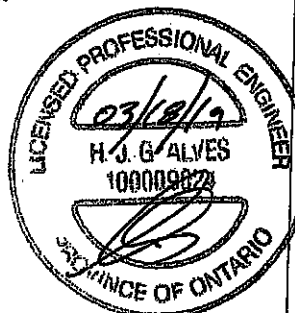
1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
J-A	-1256 / 0	G-E	0 / 1538
A-B	-1208 / 0	A-I	0 / 1538
B-C	-1208 / 0	G-D	-814 / 0
C-D	-1208 / 0	I-B	-818 / 0
D-E	-1207 / 0	I-D	-2 / 0
E-F	-1256 / 0		
J-I	0 / 0		
I-H	0 / 1207		
H-G	0 / 1207		
G-F	0 / 0		



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OSC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TO=0.91/1.00 (E-F:1), BC=0.31/1.00 (G-I:1),
WB=0.46/1.00 (D-G:1), SSI=0.35/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1887 1658

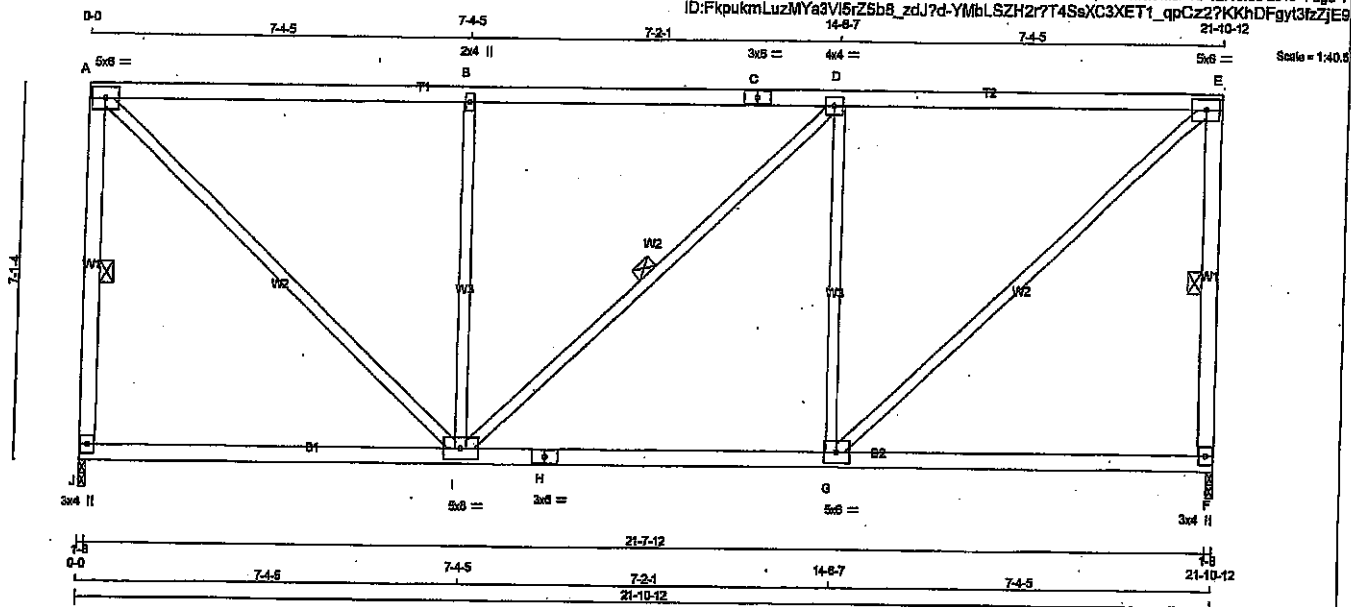
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.74 (E) (INPUT = 0.90)
SI METAL= 0.35 (E) (INPUT = 1.00)

DRWG NO. TAM 17405368
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T14	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:19:00 2019 Page 1	



TOTAL WEIGHT = 2 X 89 = 197 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
J - A	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS 2x3 DRY, SEASONED LUMBER.			

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMW-t	MT20	5.0	6.0
B	TMW-w	MT20	2.0	4.0
C	TS-t	MT20	3.0	6.0
D	TMW-t	MT20	4.0	4.0
E	TMW-t	MT20	5.0	6.0
F	BMV-t	MT20	3.0	4.0
G	BMW-t	MT20	5.0	6.0
H	BS-t	MT20	3.0	6.0
I	BMVW-t	MT20	5.0	8.0
J	BMV-t	MT20	3.0	4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	DOWN	UPLIFT	BRG	IN-SX
J	1309	0	1309	0	0	1-8	1-8	1-8	1-8
F	1309	0	1309	0	0	1-8	1-8	1-8	1-8

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
J	920	636/0	0/0	0/0	0/0
F	920	636/0	0/0	0/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 4.63 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-J, E-F, D-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING		CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO	
J-A	-1256/0	0.0 0.0 0.29 (1)	5.74	G-E	0/1404
A-B	-1029/0	-102.1 -102.1 0.83 (1)	4.63	A-I	0/1402
B-C	-1029/0	-102.1 -102.1 0.83 (1)	4.63	G-D	-814/0
C-D	-1029/0	-102.1 -102.1 0.83 (1)	4.63	I-B	-813/0
D-E	-1030/0	-102.1 -102.1 0.84 (1)	4.63	I-D	-2/0
E-F	-1257/0	0.0 0.0 0.29 (1)	5.74		
J-I	0/0	-17.5 -17.5 0.21 (4)	10.00		
I-H	0/1030	-17.5 -17.5 0.29 (4)	10.00		
H-G	0/1030	-17.5 -17.5 0.29 (4)	10.00		
G-F	0/0	-17.5 -17.5 0.21 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, OSC 2012
- CSA 086-08, CSA 086-14
- TPC 2011, TPC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/999 (0.12")

CSI: TC=0.84/1.00 (D-E-1), BC=0.29/1.00 (G-I-4),
WB=0.71/1.00 (D-G-1), SS=0.35/1.00 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

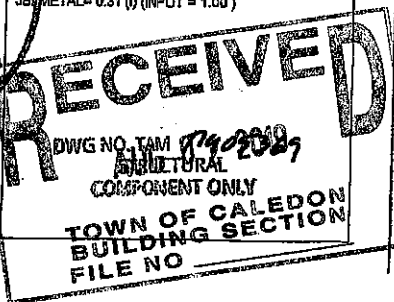
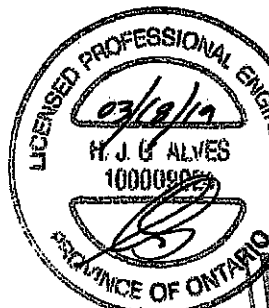
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

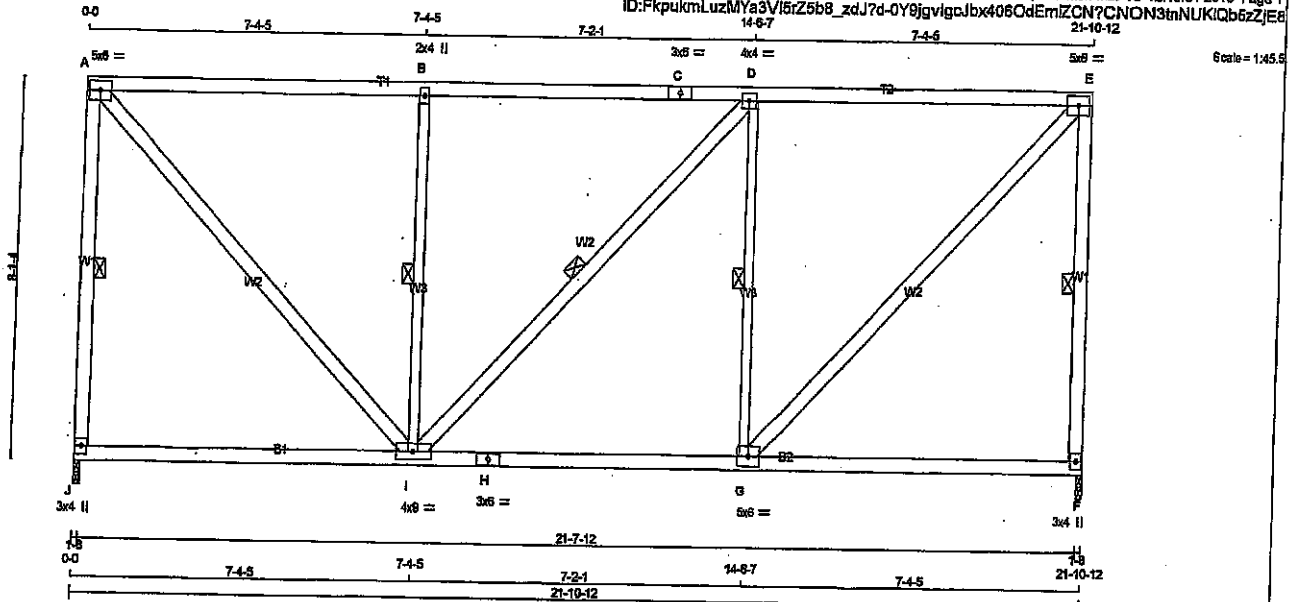
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SLIP= 0.75 (I) (INPUT = 0.80)
METAL= 0.31 (I) (INPUT = 1.00)



JOB NAME 401769	TRUSS NAME T15	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
J - A	2x4 DRY	No.2	SPF
A - C	2x4 DRY	No.2	SPF
C - E	2x4 DRY	No.2	SPF
F - E	2x4 DRY	No.2	SPF
J - H	2x4 DRY	No.2	SPF
H - F	2x4 DRY	No.2	SPF
ALL WEBS EXCEPT	2x4 DRY	No.2	SPF
G - D	2x3 DRY	No.2	SPF
I - B	2x3 DRY	No.2	SPF

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TMW-4	MT20	5.0	8.0	
B	TMW-w	MT20	2.0	4.0	
C	TS-4	MT20	3.0	8.0	
D	TMW-4	MT20	4.0	4.0	
E	TMW-4	MT20	5.0	8.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMW-4	MT20	5.0	8.0	
H	BS-4	MT20	3.0	8.0	
I	BMVWW-4	MT20	4.0	9.0	
J	BMV1+p	MT20	3.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX		REQD BRG IN-SX	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	1309	0	1309	0	0	1-8	1-8
F	1309	0	1309	0	0	1-8	1-8

UNFACTORED REACTIONS		MAX/MIN. COMPONENT REACTIONS		1ST LCASE		2ND LCASE	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-J, E-F, D-G, B-I, D-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 (LBS)	MAX (LBS)	UNBRACED LENGTH (LBS)	MEMB.	FORCE (LBS)	MAX (LBS)	LC1 (LBS)
J-A	-1256 / 0	0.0	0.0	0.37 (1)	5.74	G-E	0 / 1311	0.21 (1)	
A-B	-988 / 0	-102.1	-102.1	0.82 (1)	4.82	A-I	0 / 1309	0.21 (1)	
B-C	-988 / 0	-102.1	-102.1	0.82 (1)	4.80	G-D	-814 / 0	0.34 (1)	
C-D	-988 / 0	-102.1	-102.1	0.82 (1)	4.80	I-B	-814 / 0	0.34 (1)	
D-E	-988 / 0	-102.1	-102.1	0.82 (1)	4.88	I-D	-2 / 0	0.00 (1)	
F-E	-1257 / 0	0.0	0.0	0.37 (1)	5.74				
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00				
I-H	0 / 899	-17.5	-17.5	0.28 (4)	10.00				
H-G	0 / 899	-17.5	-17.5	0.28 (4)	10.00				
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/999 (0.11")

CSI: TC=0.82/1.00 (D-E-1), BC=0.28/1.00 (G-I-4), WB=0.34/1.00 (D-G-1), SS=0.35/1.00 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

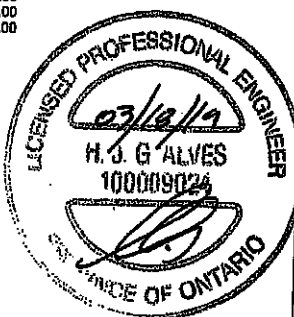
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

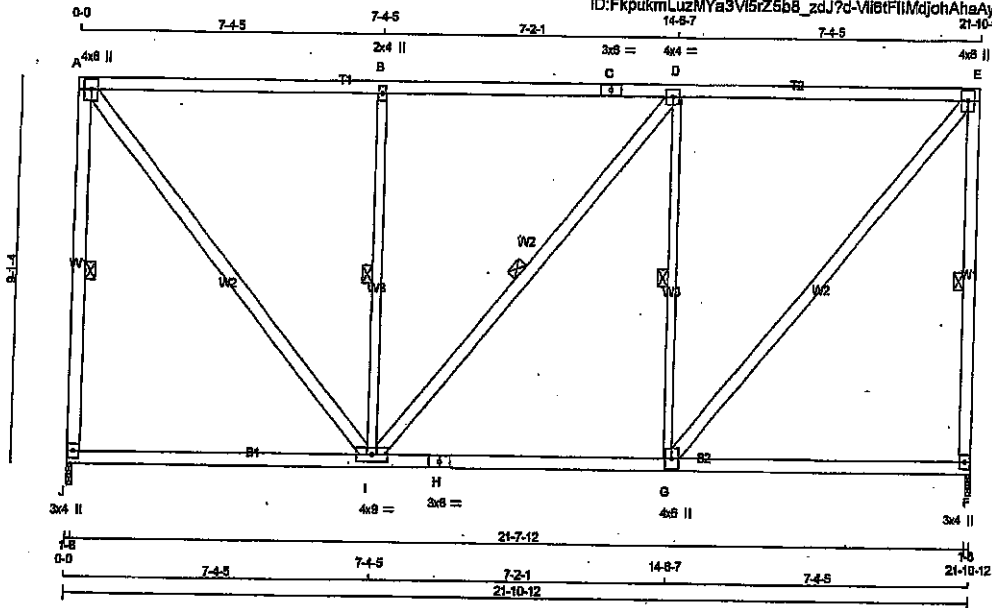
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (I) (INPUT = 0.80)
JSI METAL= 0.28 (I) (INPUT = 1.00)



DRWG NO. TAM 71405370
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T16	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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21-10-12
Scale = 1:50.7

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
J - A	2x4	DRY	No.2	SPF		
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
E - G	2x4	DRY	No.2	SPF		
G - H	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF		
G - D	2x3	DRY	No.2	SPF		
I - B	2x3	DRY	No.2	SPF		

PLATES (table to in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMWw+p	MT20	4.0	6.0		
B	TMWw+w	MT20	2.0	4.0		
C	TS-4	MT20	3.0	6.0		
D	TMWw-i	MT20	4.0	4.0		
E	TMWw+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWw+i	MT20	4.0	6.0		
H	BS-4	MT20	3.0	6.0		
I	BMWw+w	MT20	4.0	6.0		
J	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
J	VERT	DOWN	1-8	1-8
F	HORIZ	HORIZ	1-8	1-8

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
J	920	636/0	0/0
F	920	636/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 5.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-J, E-F, D-G, B-I, D-I

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING	TOTAL LOAD CASES: (4)
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CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
J-A	-1258/0	0.0	0.0	0.48 (1)	5.74	0/1243	0.20 (1)
A-B	-798/0	-102.1	-102.1	0.80 (1)	5.18	0/1242	0.20 (1)
B-C	-798/0	-102.1	-102.1	0.81 (1)	6.14	-814/0	0.44 (1)
C-D	-796/0	-102.1	-102.1	0.81 (1)	5.14	-814/0	0.44 (1)
D-E	-797/0	-102.1	-102.1	0.81 (1)	6.13	-2/0	0.00 (1)
E-F	-1257/0	0.0	0.0	0.48 (1)	5.74		
J-I	0/0	-17.5	-17.5	0.21 (4)	10.00		
I-H	0/797	-17.5	-17.5	0.27 (4)	10.00		
H-G	0/797	-17.5	-17.5	0.27 (4)	10.00		
G-F	0/0	-17.5	-17.5	0.21 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.73")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = 1/360 (0.73")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.10")

CSI: TC=0.81/1.00 (D-E:1), BC=0.27/1.00 (G-I:4), WB=0.44/1.00 (D-G:1), SSI=0.35/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

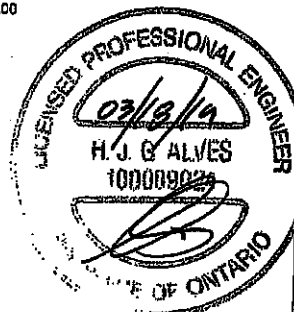
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (FSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1567 798 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.76 (I) (INPUT = 0.90)
SI METAL= 0.35 (E) (INPUT = 1.00)

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE

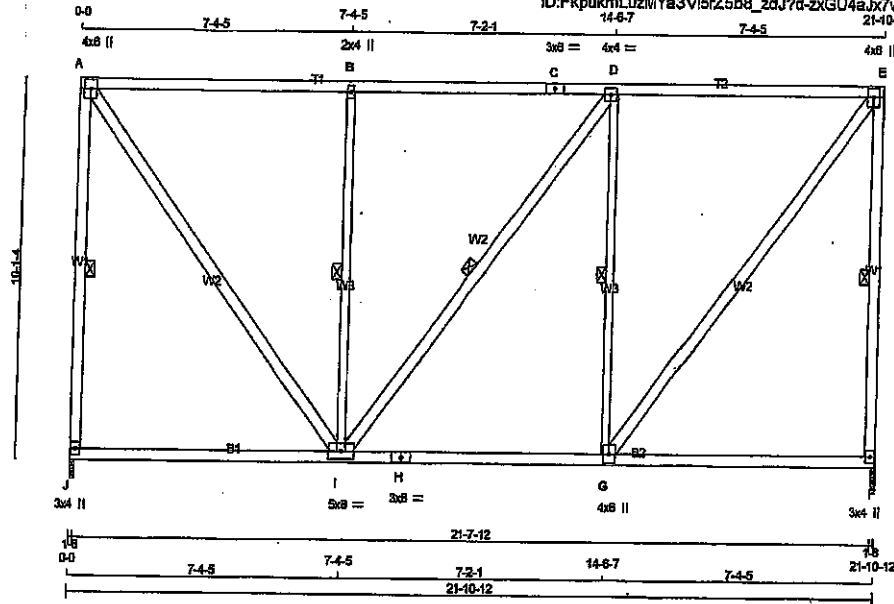


DRWG NO. TAM 71905371
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T17	8	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 6 X 128 = 768 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	LUMBER	DESCR.
J - A	2x4 DRY	No.2	SPF
A - C	2x4 DRY	No.2	SPF
C - E	2x4 DRY	No.2	SPF
E - G	2x4 DRY	No.2	SPF
G - H	2x4 DRY	No.2	SPF
H - F	2x4 DRY	No.2	SPF

ALL WEBS EXCEPT	SIZE	LUMBER	DESCR.
G - D	2x3 DRY	No.2	SPF
I - B	2x3 DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMVW+p	MT20	4.0	6.0		
B - TMW+w	MT20	2.0	4.0		
C - TS-t	MT20	3.0	6.0		
D - TMWV-t	MT20	4.0	4.0		
E - TMVW+p	MT20	4.0	6.0		
F - BMV1+p	MT20	3.0	4.0		
G - BMVW-t	MT20	4.0	6.0		
H - BS-t	MT20	3.0	6.0		
I - BMVWV-t	MT20	5.0	8.0		
J - BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
J	1309	0	1-8	1-8
F	1309	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.36 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-J, E-F, D-G, B-I, D-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO		FROM TO	CSI (LC)	FR-TO		FROM TO	CSI (LC)
J-A	-1258 / 0	0.0	0.0 0.63 (1)	G-E	0 / 1193	0.19 (1)	0.19 (1)
A-B	-716 / 0	-102.1	-102.1 0.79 (1)	A-I	0 / 1191	0.19 (1)	0.19 (1)
B-C	-715 / 0	-102.1	-102.1 0.80 (1)	G-D	-814 / 0	0.57 (1)	0.57 (1)
C-D	-715 / 0	-102.1	-102.1 0.80 (1)	I-B	-813 / 0	0.57 (1)	0.57 (1)
D-E	-716 / 0	-102.1	-102.1 0.80 (1)	I-D	-2 / 0	0.00 (1)	0.00 (1)
E-F	-1257 / 0	0.0	0.0 0.63 (1)				
J-I	0 / 0	-17.5	-17.5 0.21 (4)				
I-H	0 / 716	-17.5	-17.5 0.27 (4)				
H-G	0 / 716	-17.5	-17.5 0.27 (4)				
G-F	0 / 0	-17.5	-17.5 0.21 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.0 PSF	
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/889 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/899 (0.10")

CSI: TC=0.80/1.00 (D-E-1), BC=0.27/1.00 (G-I-4),
WB=0.57/1.00 (D-G-1), SG=0.35/1.00 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 LB BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

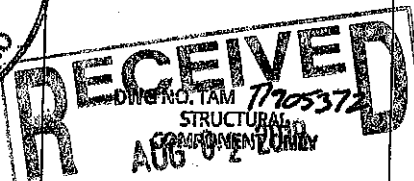
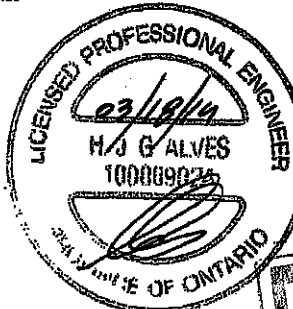
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PS)	SECTION (PL)
MT20	618	354
	1667	798
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.32 (E) (INPUT = 1.00)

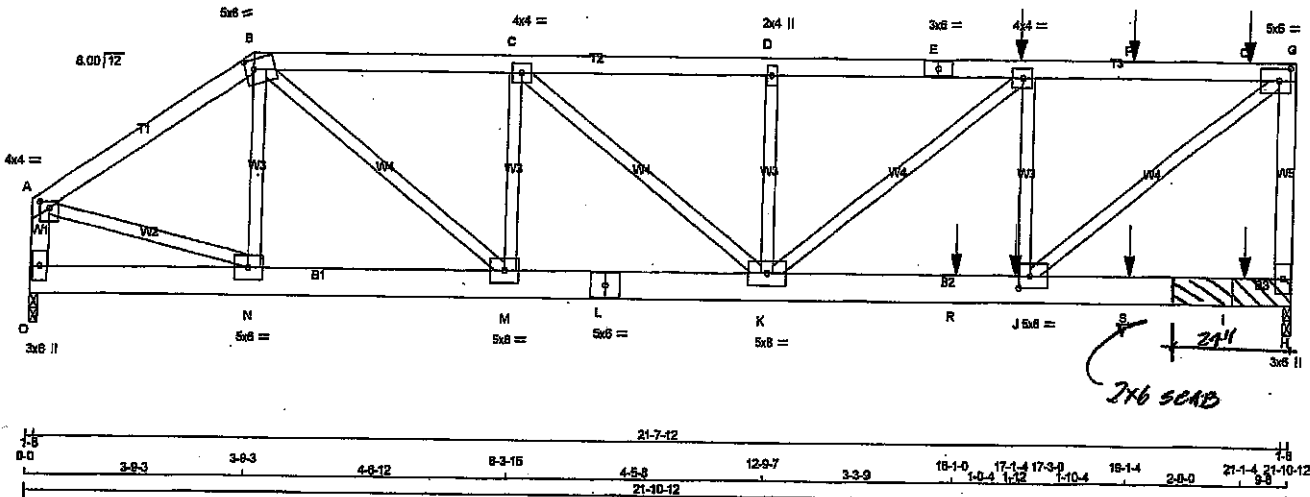
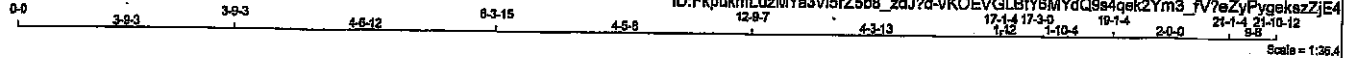


TOWN OF CALEDON
BUILDING SECTION
FILE NO.

JOB NAME 401769	TRUSS NAME T18	QUANTITY 2	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamrack Roof Truss, Burlington

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ID:FpkukmLuzMYa3V5rZ5b8_zdJ7d-vKOEVL8YMYdQ9a4gek2Ym3_fV7aZyPygekazZjE4



TOTAL WEIGHT = 4 X 104 = 414 lb

LUMBER						
N.L.G.A. RULES						
CHORDS		SIZE	LUMBER		DESCR.	
A - B	2x4	DRY	No.2		SPF	
B - E	2x4	DRY	No.2		SPF	
E - G	2x4	DRY	No.2		SPF	
H - G	2x4	DRY	No.2		SPF	
O - A	2x4	DRY	No.2		SPF	
O - L	2x6	DRY	No.2		SPF	
L - H	2x6	DRY	No.2		SPF	

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - B 1	12	TOP
B - E 1	12	TOP
E - G 1	12	SIDE (61.0)
G - H 1	12	TOP
O - A 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
O - L 2	12	TOP
L - H 2	12	SIDE (183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLYS FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMWV-p	MT20	4.0	4.0	1.25 2.00
B	TTWW-m	MT20	5.0	6.0	2.00 1.75
C	TMWV-t	MT20	4.0	4.0	
D	TMWV-w	MT20	2.0	4.0	
E	TS-t	MT20	3.0	6.0	
F	TMWV-t	MT20	4.0	4.0	
G	TMWV-t	MT20	5.0	6.0	2.50 2.25
H	BMV1-p	MT20	3.0	6.0	
J	BMWV-t	MT20	5.0	6.0	2.50 2.25
K	BMWVW-t	MT20	5.0	8.0	
L	BS-t	MT20	5.0	8.0	
M	BMWV-t	MT20	5.0	6.0	
N	BMWV-t	MT20	5.0	6.0	
O	BMV1-p	MT20	3.0	6.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERY	HORZ	DOWN	HORZ
H	3053	0	3053	0
O	1851	0	1851	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
H	2142	1488 / 0	0 / 0	0 / 0	644 / 0
O	1300	906 / 0	0 / 0	0 / 0	394 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, O

2x6 DRY SPF No.2 BEARING BLOCK 2x11 LONG AT JT. H ATTACHED TO FRONT SIDE. WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 2x11 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO					FR-TO		
A-B	-2017 / 0	-102.1 -102.1	0.18 (1)	8.02	N-B	-392 / 0	0.05 (1)
B-C	-3049 / 0	-102.1 -102.1	0.21 (1)	5.08	A-N	0 / 1753	0.22 (1)
C-D	-3931 / 0	-102.1 -102.1	0.23 (1)	4.62	J-G	0 / 4392	0.54 (1)
D-E	-3931 / 0	-102.1 -102.1	0.28 (1)	4.55	B-M	0 / 1789	0.22 (1)
E-F	-3931 / 0	-102.1 -102.1	0.28 (1)	4.55	J-F	-1124 / 0	0.14 (1)
F-P	-3428 / 0	-102.1 -102.1	0.30 (1)	4.74	M-C	-1178 / 0	0.15 (1)
P-Q	-3428 / 0	-102.1 -102.1	0.30 (1)	4.74	K-F	0 / 1753	0.22 (1)
Q-G	-3428 / 0	-102.1 -102.1	0.30 (1)	4.74	C-K	0 / 1753	0.22 (1)
H-G	-3086 / 0	0.0	0.0	0.38 (1)	K-E	0 / 1753	0.22 (1)
O-A	-1831 / 0	0.0	0.0	0.10 (1)			
O-N	0 / 0	-17.5	-17.5	0.02 (4)			
N-M	0 / 1804	-17.5	-17.5	0.15 (1)			
M-L	0 / 3049	-17.5	-17.5	0.31 (1)			
L-K	0 / 3049	-17.5	-17.5	0.31 (1)			
K-R	0 / 3428	-17.5	-17.5	0.65 (1)			
R-J	0 / 3428	-17.5	-17.5	0.85 (1)			
J-S	0 / 0	-17.5	-17.5	0.18 (1)			
S-I	0 / 0	-17.5	-17.5	0.18 (1)			
I-H	0 / 0	-17.5	-17.5	0.18 (1)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL
F	17-1-4	-123	-123	-	FRONT	VERT	TOTAL	-
J	21-1-4	-27	-27	-	FRONT	VERT	TOTAL	-
I	17-1-4	-25	-25	-	FRONT	VERT	TOTAL	-
P	19-1-4	-123	-123	-	FRONT	VERT	TOTAL	-
Q	21-1-4	-134	-134	-	FRONT	VERT	TOTAL	-
R	16-1-0	-1829	-1829	-	FRONT	VERT	TOTAL	-
S	19-1-4	-25	-25	-	FRONT	VERT	TOTAL	-

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.16")

CSI: TC=0.38/1.00 (G-I), BC=0.65/1.00 (J-K), WS=0.54/1.00 (G-I), SS=0.48/1.00 (J-K)

DOL LUMBER=1.00 NAIL=1.00 LS=BEEN=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP (DRY) SHEAR	SECTION
(PSI)	(PLI)
MAX MIN	MAX MIN
MT20	818 354 1667 788 1987 1666

PLATE PLACEMENT TOL = 0.250 inches

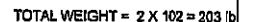
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.89 (J) (INPUT = 0.90)
JSI METAL=0.43 (J) (INPUT = 1.00)

DWG NO. TAM 17405373
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

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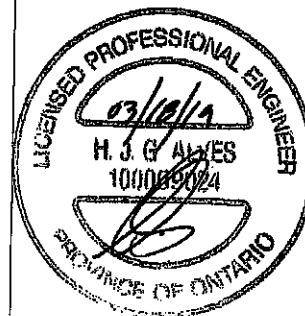
TOWN OF CALEDON
 BUILDING SECTION
 FILE NO _____ CONT _____

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T18Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mittek Industries, Inc. Mon Mar 18 15:48:24 2019 Page 2
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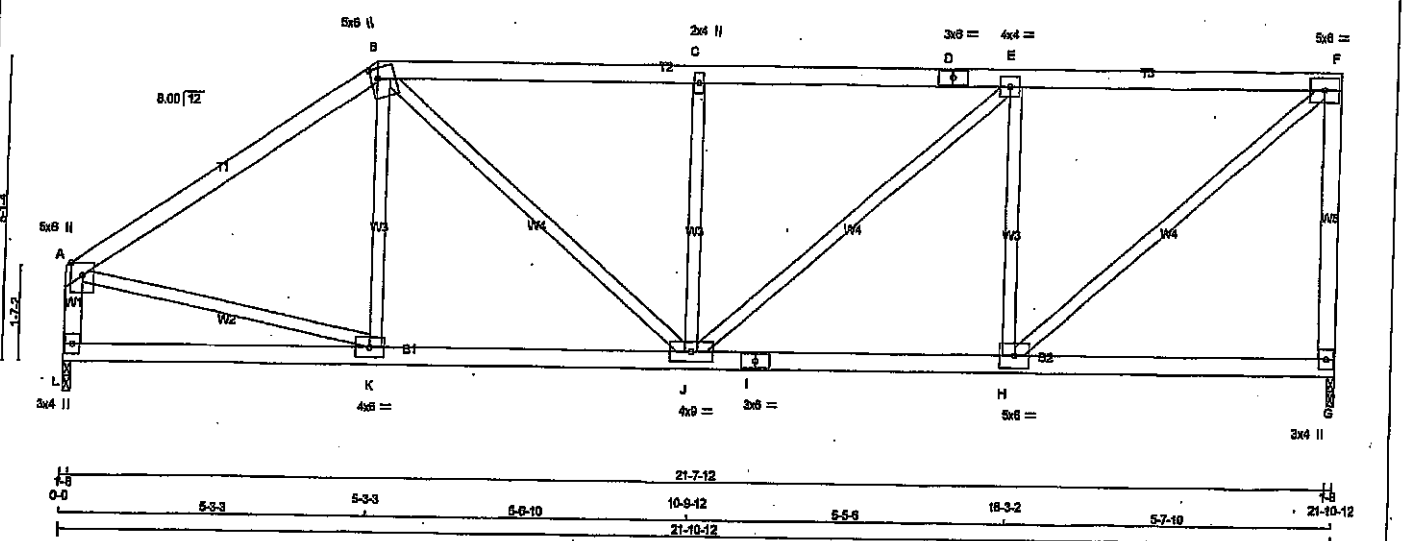
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	17-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
O	3-4-0	-152	-152	---	BACK	VERT	TOTAL	---	---
P	5-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
Q	7-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
R	9-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
S	11-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
T	13-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
U	15-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
V	19-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
W	21-4-0	-145	-145	---	BACK	VERT	TOTAL	---	---
X	1-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
Y	3-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
Z	5-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AA	7-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AB	9-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AC	11-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AD	13-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AE	15-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AF	19-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
AG	21-4-0	-30	-30	---	BACK	VERT	TOTAL	---	---



DWG NO. TAM 71905419
STRUCTURAL
COMPONENT ONLY 3/2

JOB NAME 401769	TRUSS NAME T19	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2016 MTEK Industries, Inc. Mon Mar 16 12:19:06 2019 Page 1
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21-10-12
Scale = 1:28.2



LUMBER

N.L.G.A. RULES

CHORDS	SIZE	LUMBER
A - B	2x4	DRY No.2
B - D	2x4	DRY No.2
D - F	2x4	DRY No.2
G - F	2x4	DRY No.2
L - A	2x4	DRY No.2
L - I	2x4	DRY No.2
I - G	2x4	DRY No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1309	0	1309	0	1-8	1-8
L	1309	0	1309	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
L	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

FR-TO	CHORDS			WEBS		
	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX (PLF)	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)
A-B	-1331 / 0	-102.1	-102.1	0.57 (1)	4.85	-154 / 39
B-C	-1555 / 0	-102.1	-102.1	0.48 (1)	4.89	0 / 1137
C-D	-1555 / 0	-102.1	-102.1	0.50 (1)	4.86	0 / 1566
D-E	-1555 / 0	-102.1	-102.1	0.50 (1)	4.86	0 / 598
E-F	-1213 / 0	-102.1	-102.1	0.47 (1)	5.15	-925 / 0
G-F	-1269 / 0	0.0	0.0	0.59 (1)	7.15	-808 / 0
L-A	-1272 / 0	0.0	0.0	0.13 (1)	7.14	0 / 457
L-K	0 / 0	-17.5	-17.5	0.12 (4)	10.00	
K-J	0 / 1103	-17.5	-17.5	0.25 (1)	10.00	
J-I	0 / 1213	-17.5	-17.5	0.26 (1)	10.00	
I-H	0 / 1213	-17.5	-17.5	0.26 (1)	10.00	
H-G	0 / 0	-17.5	-17.5	0.13 (4)	10.00	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TTWV+m	MT20	5.0	6.0	2.00	1.50
C	TMVW+y	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVWV-t	MT20	4.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

TOTAL WEIGHT = 2 X 90 = 180 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/869 (0.06")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/999 (0.10")

CSI: TC=0.57/1.00 (A-B-1), BC=0.26/1.00 (H-J-1), WB=0.35/1.00 (F-H-1), SS=0.27/1.00 (E-F-1)

DOL LUMBER=1.00 NAIL=1.00 LS BENS=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

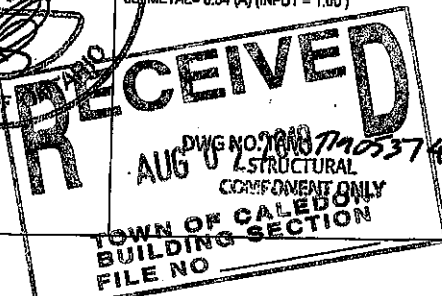
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1867 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

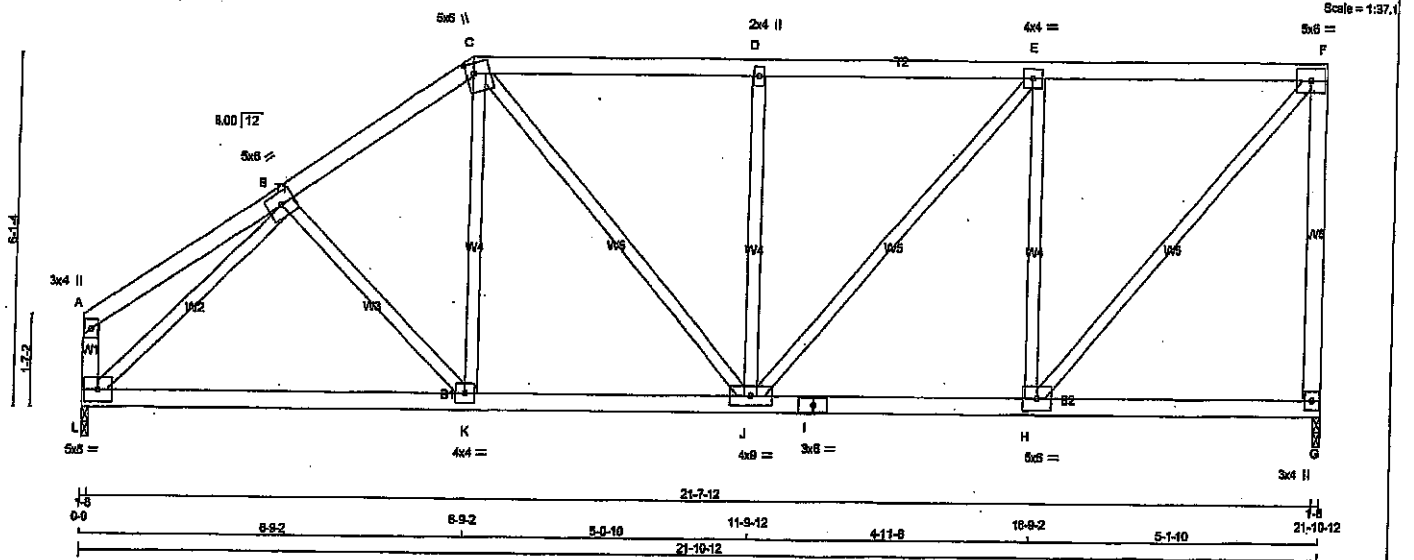
PLATE ROTATION TOL = 5.0 Deg.

GRIP=0.82 (A) (INPUT = 0.80)
JST METAL=0.84 (A) (INPUT = 1.00)



JOB NAME 401769	TRUSS NAME T20	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 11-9-12 4-11-8 18-9-2 5-1-10 21-10-12
 Scale = 1:37.1



TOTAL WEIGHT = 2 X 96 = 196 lb

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF		
C - F	2x4 DRY	No.2	SPF		
G - F	2x4 DRY	No.2	SPF		
L - A	2x4 DRY	No.2	SPF		
L - I	2x4 DRY	No.2	SPF		
I - G	2x4 DRY	No.2	SPF		

ALL WEBS 2x6 DRY No.2 SPF
 EXCEPT
 DRY, SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW-t	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	9.0		
K	BMVW-t	MT20	4.0	4.0		
L	BMVW-t	MT20	5.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1309	0	1309	0	1-8	1-8	
L	1309	0	1309	0	1-8	1-8	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	DEAD	SOIL
G	820	636 / 0	0 / 0	0 / 0	285 / 0
L	820	636 / 0	0 / 0	0 / 0	285 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.21 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE	FACTORED		MEMB.	FORCE		
	(LBS)	VERT. LOAD	MAX		(LBS)	MAX	
		(LBS)	CS1 (L)			CS1 (L)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 21	-102.1 -102.1	0.17 (1)	B-K	-15 / 40	0.01 (4)	
B-C	-1306 / 0	-102.1 -102.1	0.20 (1)	K-C	0 / 136	0.04 (4)	
C-D	-1269 / 0	-102.1 -102.1	0.37 (1)	L-B	-1557 / 0	0.59 (1)	
D-E	-1269 / 0	-102.1 -102.1	0.39 (1)	H-F	0 / 1415	0.32 (1)	
E-F	-937 / 0	-102.1 -102.1	0.36 (1)	C-J	0 / 805	0.07 (1)	
G-F	-1273 / 0	0.0 0.0	0.82 (1)	H-E	-857 / 0	0.58 (1)	
L-A	-135 / 0	0.0 0.0	0.01 (1)	J-D	-552 / 0	0.32 (1)	
L-K	0 / 1077	-17.5 -17.5	0.27 (1)	J-E	0 / 513	0.12 (1)	
K-J	0 / 1089	-17.5 -17.5	0.27 (1)				
J-I	0 / 937	-17.5 -17.5	0.21 (1)				
I-H	0 / 937	-17.5 -17.5	0.21 (1)				
H-G	0 / 0	-17.5 -17.5	0.11 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. CG

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, CBC 2012
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
 ALLOWABLE DEFL.(TL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.92/1.00 (F-G-1), BC=0.27/1.00 (K-L-1),
 WB=0.59/1.00 (B-L-1), SS=0.24/1.00 (E-F-1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.10
 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

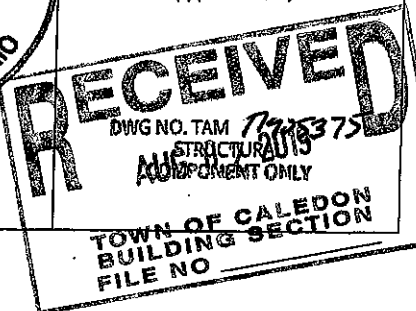
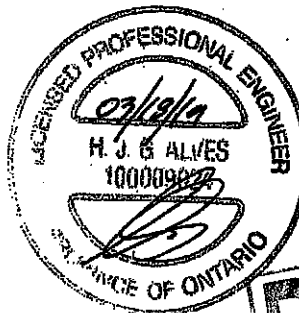
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 616 354 1667 789 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (H) (INPUT = 0.80)
 JSI METAL= 0.38 (B) (INPUT = 1.00)

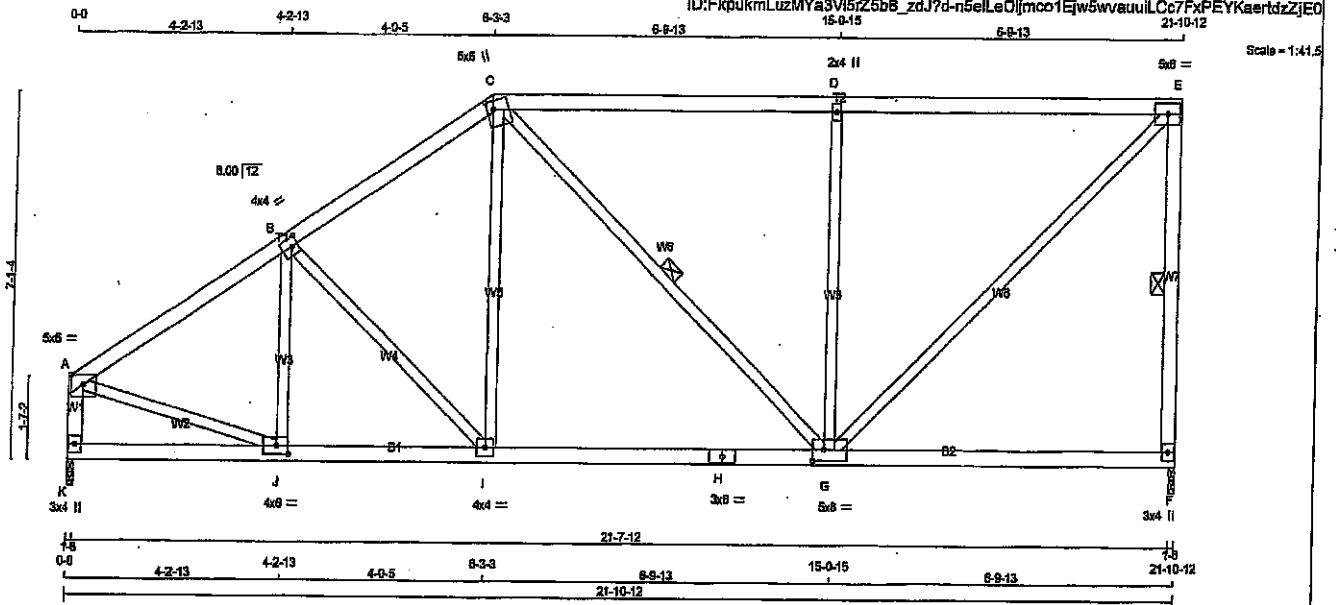


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T21	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FpkukmLuzMYa3V15/Z5bB_zdJ?d-n5ellE0jmc01Ejw5wvauiLCC7FXPEYKaertdzZjEO



TOTAL WEIGHT = 2 X 97 = 195 lb

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - H	2x4	DRY	No.2	SPF	
K - A	2x4	DRY	No.2	SPF	
K - H	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMVV-p	MT20	6.0	6.0	Edge	
B - TMVV-w	MT20	4.0	4.0	2.00	1.80
C - TMVV+m	MT20	5.0	6.0	2.00	1.50
D - TMVV-w	MT20	2.0	4.0		
E - TMVV-t	MT20	5.0	6.0		
F - BMV1+p	MT20	3.0	4.0		
G - BMVVV-t	MT20	5.0	8.0	2.50	2.50
H - BS-t	MT20	3.0	6.0		
I - BMVV-t	MT20	4.0	4.0		
J - BMVV-t	MT20	4.0	6.0	2.00	2.75
K - BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BUILDING DESIGNER									
BEARINGS									
FACTORED			MAXIMUM FACTORED			INPUT		REQD	
GROSS REACTION			GROSS REACTION			BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
F	1309	0	1309	0	0	1-8	1-8		
K	1309	0	1309	0	0	1-8	1-8		

UNFACTORED REACTIONS							
	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
K	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, K

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX.		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX.	UNBRAC	MEMB.	FORCE (LBS)	MAX.	CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO				
A-B	-1349 / 0	-102.1	-102.1	0.32 (1)	5.19	J-B	-275 / 0	0.08 (1)	
B-C	-1225 / 0	-102.1	-102.1	0.31 (1)	5.40	B-I	-212 / 0	0.12 (1)	
C-D	-1002 / 0	-102.1	-102.1	0.88 (1)	4.38	I-C	0 / 245	0.08 (1)	
D-E	-1002 / 0	-102.1	-102.1	0.88 (1)	4.38	C-G	-8 / 6	0.01 (4)	
E-F	-1261 / 0	0.0	0.0	0.29 (1)	5.73	G-D	-864 / 0	0.78 (1)	
K-A	-1278 / 0	0.0	0.0	0.13 (1)	7.13	G-E	0 / 1412	0.32 (1)	
						A-J	0 / 1195	0.27 (1)	
K-J	0 / 0	-17.5	-17.5	0.07 (4)	10.00				
J-I	0 / 1145	-17.5	-17.5	0.24 (1)	10.00				
I-H	0 / 898	-17.5	-17.5	0.28 (4)	10.00				
H-G	0 / 898	-17.5	-17.5	0.28 (4)	10.00				
G-F	0 / 0	-17.5	-17.5	0.20 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. O.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF ECBC 2016, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/800 (0.73")
CALCULATED VERT. DEFL. (LL) = L/889 (0.04")
ALLOWABLE DEFL. (TL) = L/800 (0.73")
CALCULATED VERT. DEFL. (TL) = L/889 (0.08")

CSI: TC=0.88/1.00 (D-E-1), EC=0.28/1.00 (G-I-4), WB=0.76/1.00 (D-G-1), SS=0.34/1.00 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

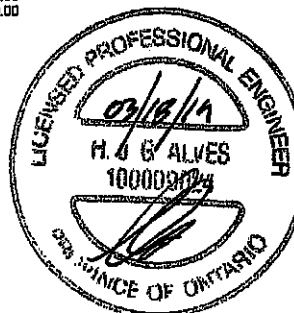
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1887 1886

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.90)
JSI METAL= 0.33 (H) (INPUT = 1.00)



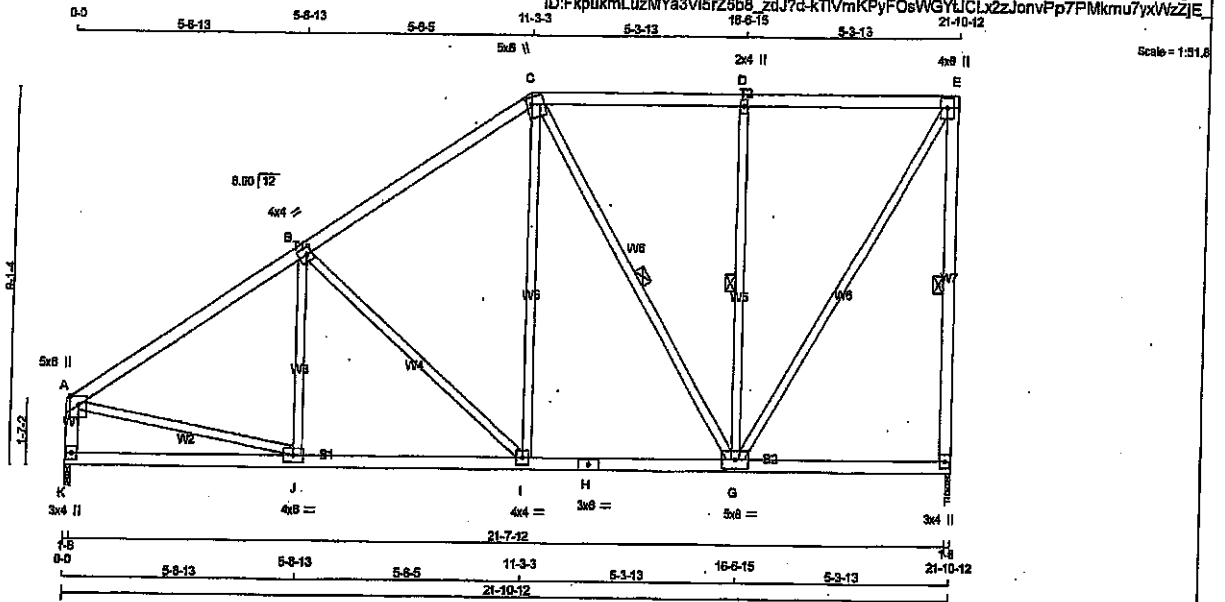
DRWG NO. TAM 71405376
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T23	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Hammerack Roof Truss, Burlington

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ID:FpkukmLuzMYa3V5rZ5b8_zdJ7d-kTIVmKPyF0sWGYUCLx2zJonvPp7PMkmu7yxWzZJE



TOTAL WEIGHT = 2 X 108 = 216 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
K - A	2x4	DRY	No.2
K - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2

ALL WEBS 2x4 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge
B	TMVW-t	MT20	4.0	4.0	2.00 1.50
C	TTWW+m	MT20	5.0	6.0	2.00 1.50
D	TMVW-w	MT20	2.0	4.0	
E	TMVW+p	MT20	4.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWV-t	MT20	5.0	6.0	
H	BS-t	MT20	3.0	6.0	
I	BMVW-t	MT20	4.0	4.0	
J	BMVW-t	MT20	4.0	6.0	
K	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
F	1309 0	1309 0	1-8	1-8
K	1309 0	1309 0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS
F	COMBINED SNOW	LIVE PERM.LIVE WIND DEAD SOIL
F	920	636 / 0 0 / 0 0 / 0 285 / 0 0 / 0
K	920	636 / 0 0 / 0 0 / 0 285 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO	
A-B	-1373 / 0	-102.1 -102.1	0.46 (1)	J-B	-150 / 46	0.07 (1)	
B-C	-1019 / 0	-102.1 -102.1	0.43 (1)	B-I	-488 / 0	0.56 (1)	
C-D	-845 / 0	-102.1 -102.1	0.37 (1)	I-C	0 / 417	0.09 (1)	
D-E	-848 / 0	-102.1 -102.1	0.37 (1)	C-G	-338 / 0	0.26 (1)	
E-F	-1270 / 0	0.0 0.0	0.49 (1)	G-D	-872 / 0	0.36 (1)	
F-A	-1268 / 0	0.0 0.0	0.13 (1)	G-E	0 / 1243	0.28 (1)	
				A-J	0 / 1203	0.27 (1)	
K-J	0 / 0	-17.5 -17.5	0.14 (4)				
J-I	0 / 1174	-17.5 -17.5	0.26 (1)				
I-H	0 / 818	-17.5 -17.5	0.19 (1)				
H-G	0 / 818	-17.5 -17.5	0.16 (1)				
G-F	0 / 0	-17.5 -17.5	0.12 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 29.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2018, OBC 2012
- CSA 089-08, CSA 089-14
- TFC 2011, TFC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/958 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/958 (0.08")

CSI: TC=0.49/1.00 (E-F:1), BC=0.26/1.00 (I-J:1), WS=0.58/1.00 (G-I:1), SS=0.28/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

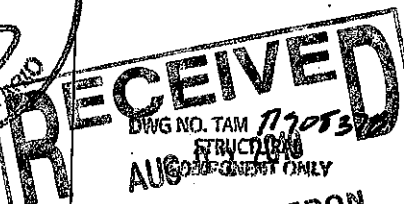
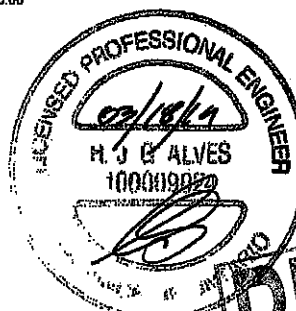
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618 354 1667 789 1987 1658	

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.88 (A) (INPUT = 0.60)
JSI METAL = 0.56 (A) (INPUT = 1.00)

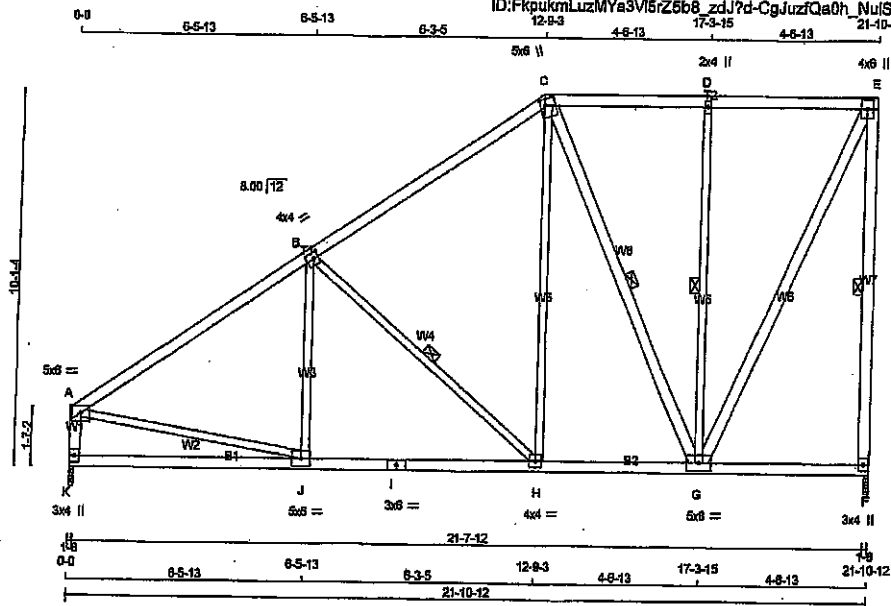


TOWN OF CALEDON
BUILDING SECTION
FILE NO

Tamarack Roof Truss, Byrdington

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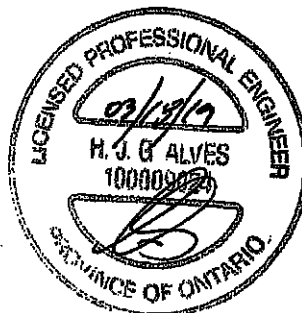
Scale = 1:57.6



TOTAL WEIGHT = $2 \times 121 = 241$ lb

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWV-p	MT20	5.0	6.0	Edge	
B	TMWV-t	MT20	4.0	4.0	2.00	1.50
C	TTWV+tm	MT20	5.0	6.0	2.00	1.50
D	TMW-h	MT20	2.0	4.0		
E	TMWV+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWVW-t	MT20	5.0	8.0		
H	BMWV-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWV-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

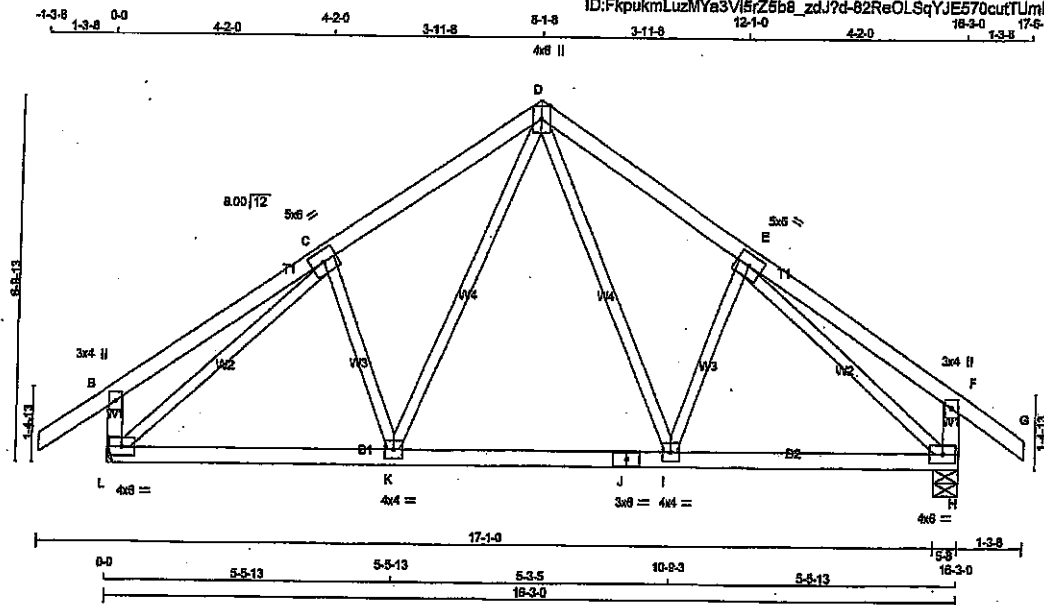
DWG NO. TAM 71905377
STRUCTURAL
COMPONENT ONLY



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T25	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:19:14 2019 Page 1
ID: FkpukmLuzMYa3V15fZ6b8_zdJ?d=82ReOLSqYJE570cutTUmbxQLcdricjRHTsLcKzZjDx



Scale = 1:40.0

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - G	2x4	DRY	No.2	SPF		
L - B	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
J - H	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMVW+t	MT20	5.0	8.0	
D	TTVW+p	MT20	4.0	6.0	Edge
E	TMVW+t	MT20	5.0	6.0	
F	TMV+p	MT20	3.0	4.0	
H	BMVW+1	MT20	4.0	6.0	
I	BMVW+1	MT20	4.0	4.0	
J	BS+1	MT20	3.0	6.0	
K	BMVW+1	MT20	4.0	4.0	
L	BMVW+1	MT20	4.0	6.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
L	1112	0	0	5-8
H	1112	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT L. MINIMUM BEARING LENGTH AT JOINT L = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
L	778	552/0	0/0	0/0	228/0	0/0
H	778	552/0	0/0	0/0	228/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00	D-I	0/358	0.08 (1)
B-C	0/27	-102.1	-102.1	0.27 (1)	10.00	E-E	-246/0	0.07 (1)
C-D	-915/0	-102.1	-102.1	0.22 (1)	8.20	K-D	0/358	0.08 (1)
D-E	-915/0	-102.1	-102.1	0.22 (1)	6.20	C-K	-246/0	0.07 (1)
E-F	0/27	-102.1	-102.1	0.27 (1)	10.00	L-C	-1133/0	0.57 (1)
F-G	0/39	-102.1	-102.1	0.14 (1)	10.00	E-H	-1133/0	0.57 (1)
L-B	-298/0	0.0	0.0	0.03 (1)	7.81			
H-F	-298/0	0.0	0.0	0.03 (1)	7.81			
L-K	0/828	-17.5	-17.5	0.20 (1)	10.00			
K-J	0/805	-17.5	-17.5	0.16 (4)	10.00			
J-I	0/805	-17.5	-17.5	0.16 (4)	10.00			
I-H	0/828	-17.5	-17.5	0.20 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 28.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.54")
CALCULATED VERT. DEFL.(LL) = L/989 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/989 (0.05")

CSI: TO=0.277/1.00 (E-F:1), BO=0.20/1.00 (K-L:1), WS=0.577/1.00 (E-H:1), SS=0.177/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

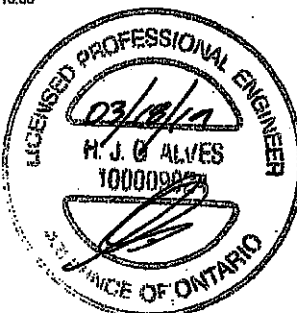
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354 1987 788 1997 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.81 (L) (INPUT = 0.80)
JSI METAL=0.20 (C) (INPUT = 1.00)



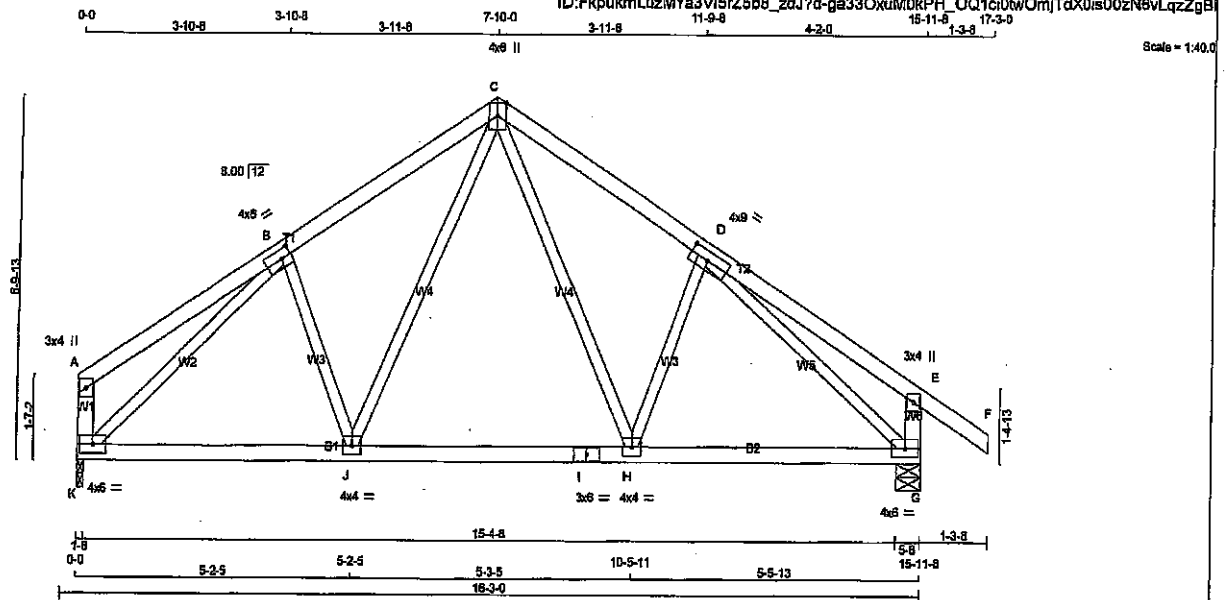
DRWG NO. TAM 1905380
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T25A	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ?d-ga33OxuM0kPH_QQ1ci0wOmTdx0is00zN8vLqzZgB1



TOTAL WEIGHT = 2 X 70 = 140 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x4	DRY	No.2	SPF	
K - A	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT
DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0	2.00	2.25
C	TTWW+p	MT20	4.0	6.0	Edge	
D	TMWW-t	MT20	4.0	9.0	2.00	4.25
E	TMV+p	MT20	3.0	4.0		
G	BMVW1-t	MT20	4.0	6.0		
H	BMWW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	4.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
JT VERT	JT VERT	JT VERT	JT VERT	JT VERT
K 882	0	882	0	1-8
G 1102	0	1102	0	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX /MIN COMPONENT REACTIONS
JT COMBINED	JT COMBINED	JT COMBINED
K 677	463 / 0	0 / 0
G 773	543 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.23 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1 MAX	MAX.	UNBRAC	MEMB.	MAX. FACTORED
FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO
A-B	0 / 28	-102.1	-102.1	0.25 (1)	10.00	C-H	0 / 378	0.08 (1)	
B-C	-874 / 0	-102.1	-102.1	0.20 (1)	6.25	H-D	-254 / 0	0.07 (1)	
C-D	-903 / 0	-102.1	-102.1	0.21 (1)	6.23	J-C	0 / 316	0.07 (1)	
D-E	0 / 28	-102.1	-102.1	0.27 (1)	10.00	B-J	-201 / 0	0.06 (1)	
E-F	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-B	-1095 / 0	0.50 (1)	
K-A	-148 / 0	0.0	0.0	0.02 (1)	7.81	D-G	-1113 / 0	0.56 (1)	
G-E	-303 / 0	0.0	0.0	0.03 (1)	7.81				
K-J	0 / 774	-18.5	-18.5	0.18 (1)	10.00				
J-I	0 / 588	-18.5	-18.5	0.17 (4)	10.00				
I-H	0 / 588	-18.5	-18.5	0.17 (4)	10.00				
H-G	0 / 815	-18.5	-18.5	0.20 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/989 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.27/1.00 (D-E:1), BC=0.20/1.00 (G-H:1),
WB=0.56/1.00 (D-G:1), SS=0.17/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

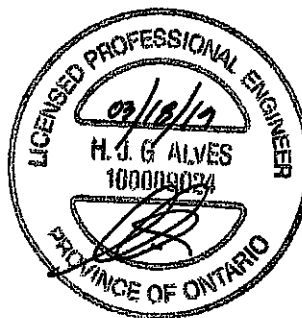
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.61 (K) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)

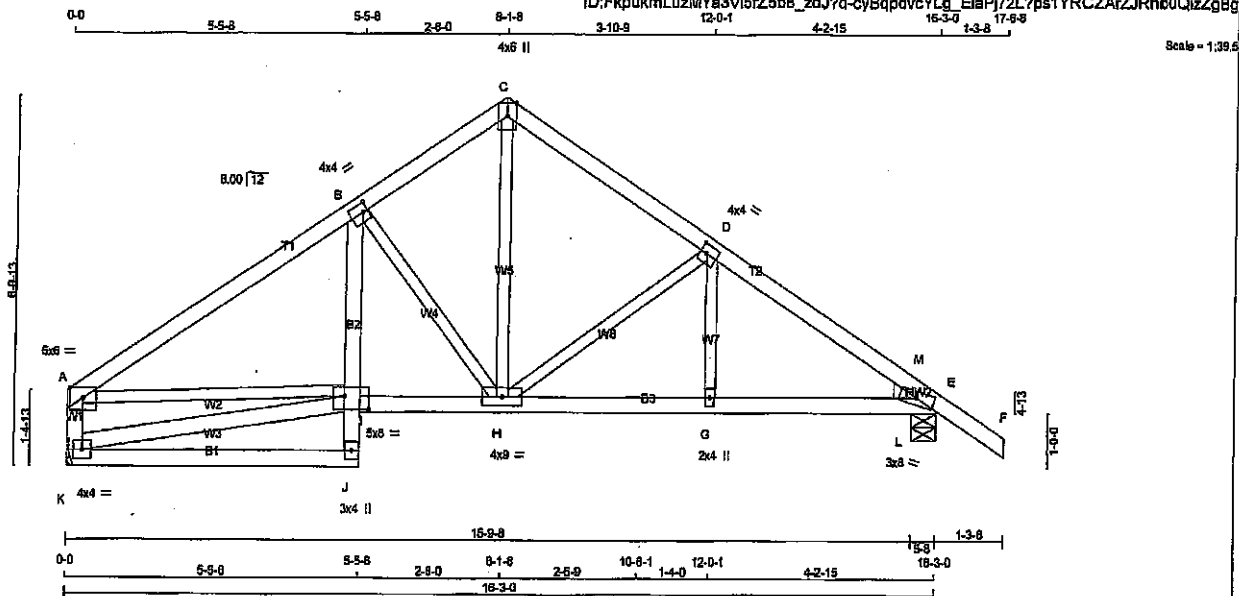


DRWG NO. TAM 17905420
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T25S	4	1	TRUSS DESC.		

Tamereck Roof Truss, Burlington

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TOTAL WEIGHT = 4 X 73 = 291 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
K - A	2x4	DRY	No.2
K - J	2x4	DRY	No.2
J - B	2x4	DRY	No.2
I - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
K - I	2x4	DRY	No.2

DRY: SEASONED LUMBER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD	HEEL
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG	WEDGE
K	980	0	980	0	0	MECHANICAL
E	1120	0	1120	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT K. MINIMUM BEARING LENGTH AT JOINT K = 1-8.

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
K	890	472 / 0	0 / 0	0 / 0	0 / 0	218 / 0
E	766	552 / 0	0 / 0	0 / 0	0 / 0	234 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED	MEMB.	MAX. FACTORED
	FORCE (LBS)		FORCE (LBS)
FR-TO	FROM TO	FR-TO	FROM TO
A-B	-1213 / 0	K-I	-22 / 0
B-C	-924 / 0	A-I	0 / 1031
C-D	-897 / 0	H-C	0 / 759
D-M	-1325 / 0	B-H	-505 / 0
M-E	-1411 / 0	G-D	0 / 93
E-F	0 / 36	H-D	-491 / 0
K-A	-927 / 0	L-M	-86 / 29
K-J	0 / 22		
J-I	0 / 55		
I-B	0 / 70		
I-H	0 / 1037		
H-G	0 / 1120		
G-L	0 / 1120		
L-E	0 / 1120		

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMVW-t	MT20	4.0	4.0	2.00	1.00
C	TTW-t	MT20	4.0	6.0	Edge	
D	TMVW-t	MT20	4.0	4.0	2.00	1.50
E	TMBH-t	MT20	3.0	8.0		
G	BMVW-w	MT20	2.0	4.0		
H	BMVWV-t	MT20	4.0	9.0		
I	BMVWV-t	MT20	5.0	8.0	3.00	6.50
J	BMV-p	MT20	3.0	4.0		
K	BMVW-t	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. CC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2010, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.36/1.00 (A-B:1), BC=0.28/1.00 (G-L:1),
WB=0.23/1.00 (A-I:1), SS=0.21/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

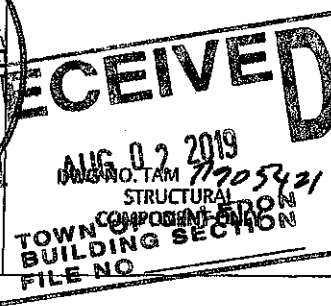
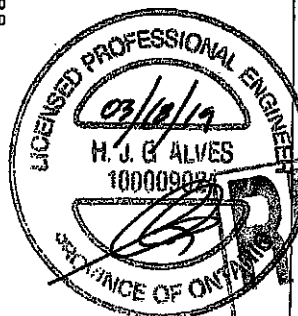
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

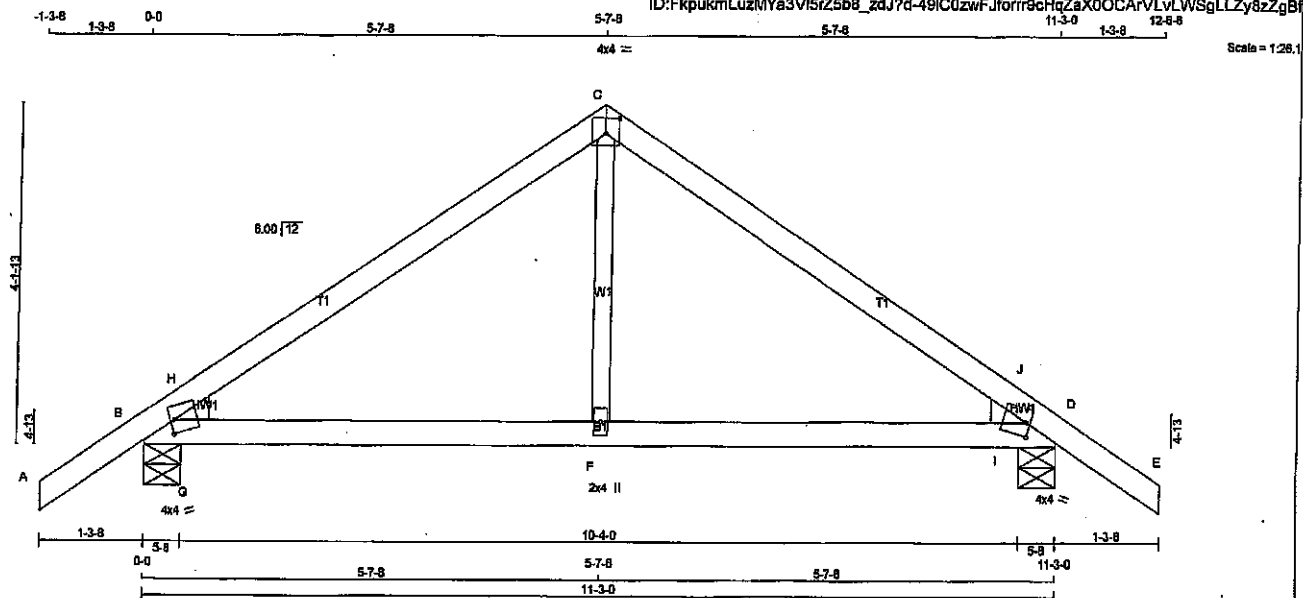
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.69 (I) (INPUT = 0.90)
JSI METAL = 0.25 (I) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T51	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:46:28 2018 Page 1
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TOTAL WEIGHT = 2 X 36 = 72 LB

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
B - D	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	4.0	4.0	2.00	0.50
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMBH1-m	MT20	4.0	4.0	2.00	0.50
F	BMW-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD	HEEL
JT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG	WEDGE
B	819	0	819	0	5-8	2x4 L
D	819	0	819	0	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
B	574	408 / 0	0 / 0	0 / 0	167 / 0	0 / 0
D	574	408 / 0	0 / 0	0 / 0	167 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CSI (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0 / 36	-102.1	-102.1	0.14 (1)	10.00	F-C	0 / 288
B-H	-562 / 0	-102.1	-102.1	0.13 (1)	6.25	G-H	-432 / 0
H-C	-673 / 0	-102.1	-102.1	0.37 (1)	6.25	I-J	-432 / 0
C-J	-673 / 0	-102.1	-102.1	0.37 (1)	6.25		
J-D	-562 / 0	-102.1	-102.1	0.13 (1)	6.25		
D-E	0 / 36	-102.1	-102.1	0.14 (1)	10.00		
B-G	0 / 549	-18.5	-18.5	0.41 (1)	10.00		
G-F	0 / 549	-18.5	-18.5	0.41 (1)	10.00		
F-I	0 / 549	-18.5	-18.5	0.41 (1)	10.00		
I-D	0 / 549	-18.5	-18.5	0.41 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. CG

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.38")
CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.38")
CALCULATED VERT. DEFL. (TL) = L/999 (0.09")

CSI: TC=0.37/1.00 (C-J:1), BC=0.41/1.00 (D-I:1),
WB=0.06/1.00 (C-F:1), SS=0.31/1.00 (D-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

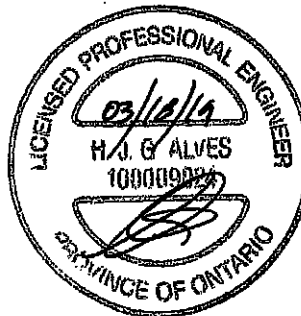
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1855

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.64 (B) (INPUT = 0.80)
JSI METAL=0.33 (B) (INPUT = 1.00)

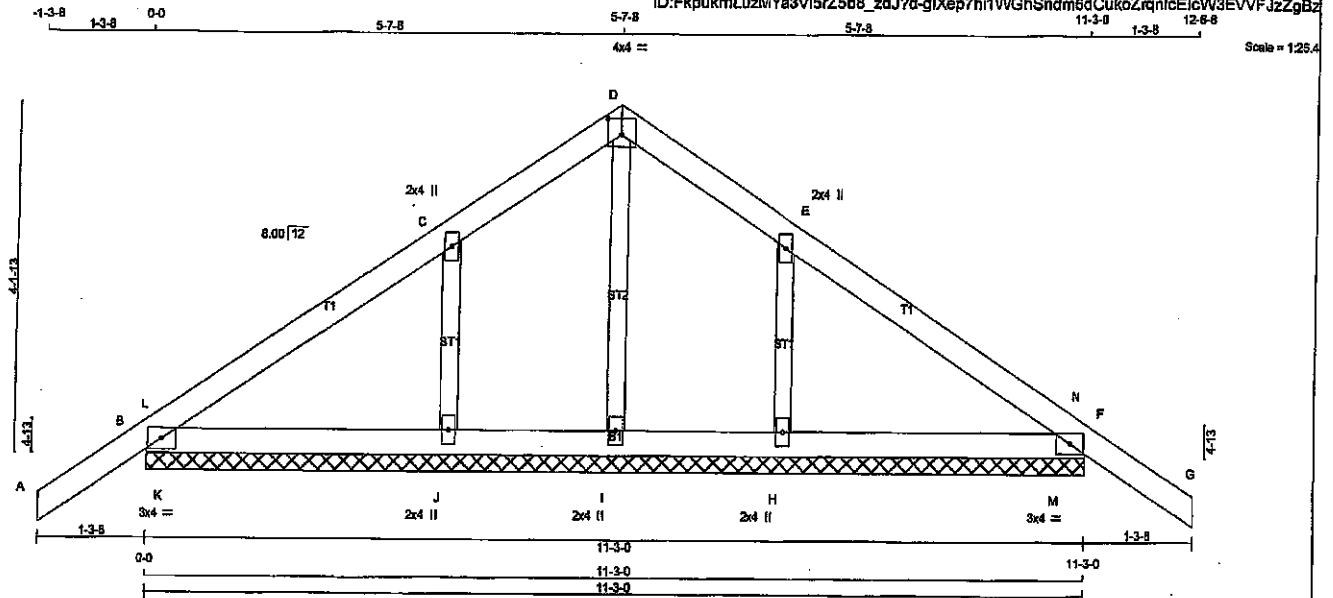


JWG NO. TAM 71905422
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	G51	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 39 = 77 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4 DRY	No.2	SPF		
D - G	2x4 DRY	No.2	SPF		
B - F	2x4 DRY	No.2	SPF		

ALL WEBS	2x3 DRY	No.2	SPF
ALL GABLE WEBS	2x3 DRY	No.2	SPF
DRY: SEASONED LUMBER.			

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMB1-w	MT20	2.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMB1-w	MT20	2.0	4.0		
F	TMB1-I	MT20	3.0	4.0		
H, I, J	BMW1-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	FR-TO
FR-TO				FR-TO			
A-B	0/36	-102.1	-102.1 0.14 (1)	I-D	-42/4	10.00	0.01 (1)
B-L	-39/0	-102.1	-102.1 0.03 (1)	J-C	-335/0	6.25	0.06 (1)
L-C	-70/0	-102.1	-102.1 0.13 (1)	H-E	-335/0	6.25	0.06 (1)
C-D	-85/0	-102.1	-102.1 0.13 (1)	K-L	-231/5	6.25	0.00 (1)
D-E	-85/0	-102.1	-102.1 0.13 (1)	M-N	-231/5	6.25	0.00 (1)
E-N	-70/0	-102.1	-102.1 0.13 (1)				
N-F	-39/0	-102.1	-102.1 0.03 (1)				
F-G	0/36	-102.1	-102.1 0.14 (1)				
B-K	0/69	-18.5	-18.5 0.10 (1)				
K-J	0/69	-18.5	-18.5 0.10 (1)				
J-I	0/68	-18.5	-18.5 0.07 (1)				
I-H	0/68	-18.5	-18.5 0.07 (1)				
H-M	0/69	-18.5	-18.5 0.10 (1)				
M-F	0/69	-18.5	-18.5 0.10 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 28.0 PSF
	DL = 8.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 42.4 PSF

SPACING = 24.0 IN. GIC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (F-G:1), BC=0.10/1.00 (B-K:1), WB=0.08/1.00 (C-J:1), SS=0.18/1.00 (F-M:1)

DOL LUMBER=1.00 NAIL=1.00 LB BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

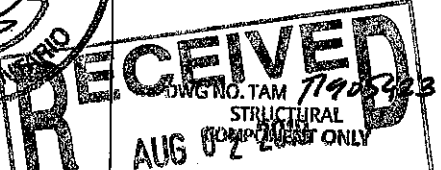
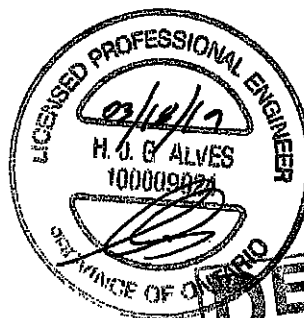
PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (F) (INPUT = 0.90)
JSI METAL= 0.17 (C) (INPUT = 1.00)

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE

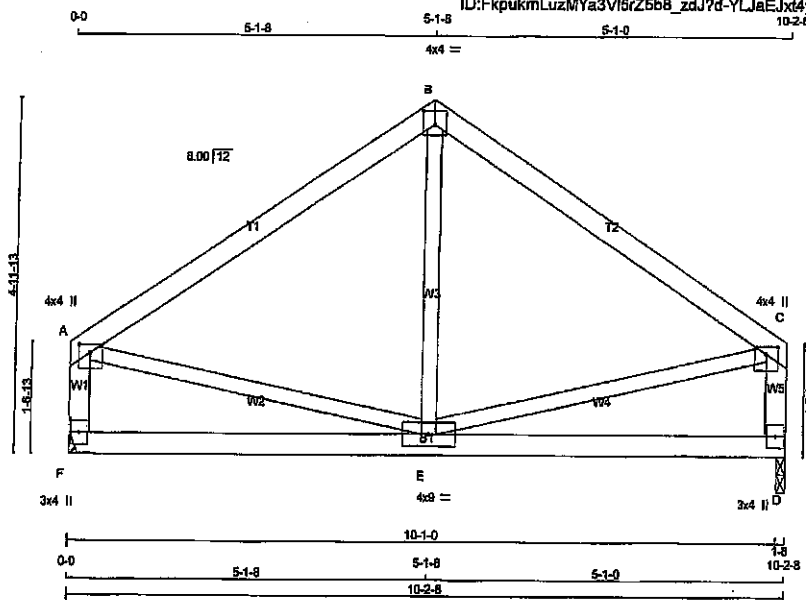


TOWN OF CALEDON
BUILDING SECTION
FILE NO.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T52	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 40 = 80 lb (MDF)

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - B	2x4 DRY	No.2		
B - C	2x4 DRY	No.2		
F - A	2x4 DRY	No.2		
D - C	2x4 DRY	No.2		
F - D	2x4 DRY	No.2		

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-1	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
F	616	0	0	MECHANICAL
D	616	0	0	1-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 1-8.

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	433	296 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0
D	433	296 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX (PLF)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B		-419 / 0	-102.1	-102.1	0.35 (1)	6.25	E-B	-56 / 73	0.03 (4)
B-C		-419 / 0	-102.1	-102.1	0.34 (1)	6.25	A-E	0 / 359	0.08 (1)
F-A		-579 / 0	0.0	0.0	0.08 (1)	7.81	E-C	0 / 359	0.08 (1)
D-C		-579 / 0	0.0	0.0	0.08 (1)	7.81			
F-E		0 / 0	-18.5	-18.5	0.14 (4)	10.00			
E-D		0 / 0	-18.5	-18.5	0.14 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(65 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/989 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/989 (0.02")

CSI: TC=0.35/1.00 (A-B:1), BC=0.14/1.00 (D-E:4), WB=0.08/1.00 (C-E:1), SS=0.17/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

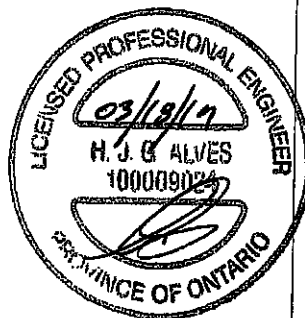
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

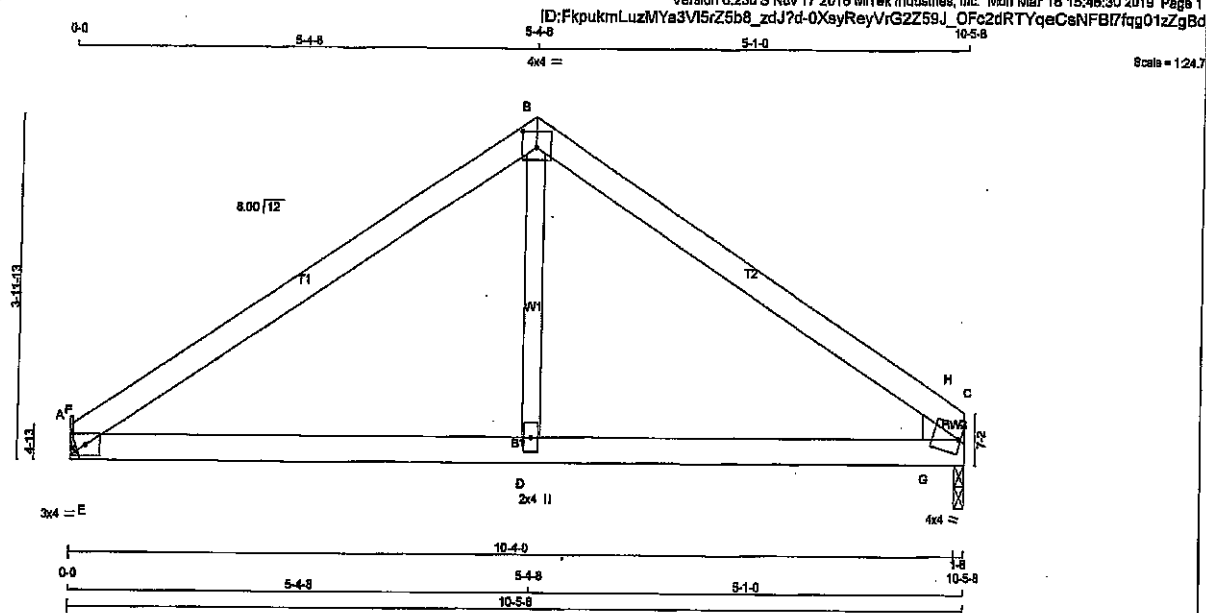
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.45 (A) (INPUT = 0.90)
JSI METAL= 0.13 (A) (INPUT = 1.00)



DRWG NO. TAM 7905424
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T53	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:48:30 2019 Page 1	



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2
B - C	2x4	DRY	No.2
A - C	2x4	DRY	No.2
ALL WEBS 2x3 DRY SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMB1-l	MT20	3.0	4.0	
B	TTW-p	MT20	4.0	4.0	2.25 2.00
C	TMBH1-m	MT20	4.0	4.0	Edge
D	BMW-w	MT20	2.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD		HEEL	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG	IN-SX	WEDGE
A	631	0	0	631	0	0	0	MECHANICAL			
C	631	0	0	631	0	0	0	1-8	1-8		2x4 R

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT A. MINIMUM BEARING LENGTH AT JOINT A = 1-8.

UNFACTORED REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	444	304 / 0	0 / 0	0 / 0	0 / 0	140 / 0	0 / 0
C	444	304 / 0	0 / 0	0 / 0	0 / 0	140 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	-277 / 0	-102.1 -102.1	0.17 (1)	D-B	0 / 217	0.05 (1)	
F-B	-805 / 0	-102.1 -102.1	0.36 (1)	E-F	-741 / 0	0.00 (1)	
B-H	-607 / 0	-102.1 -102.1	0.28 (1)	G-H	-362 / 17	0.00 (1)	
H-C	-495 / 0	-102.1 -102.1	0.17 (1)				
A-E	0 / 489	-18.5 -18.5	0.35 (1)				10.00
E-D	0 / 489	-18.5 -18.5	0.35 (1)				10.00
D-G	0 / 489	-18.5 -18.5	0.28 (1)				10.00
G-C	0 / 489	-18.5 -18.5	0.28 (1)				10.00

TOTAL WEIGHT = 30 LB

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012
- CSA 085-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.35")
CALCULATED VERT. DEFL. (LL) = L/998 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.35")
CALCULATED VERT. DEFL. (TL) = L/998 (0.07")

CSI: TC=0.35/1.00 (B-F:1), BC=0.35/1.00 (A-E:1), WB=0.05/1.00 (B-D:1), SSI=0.57/1.00 (A-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

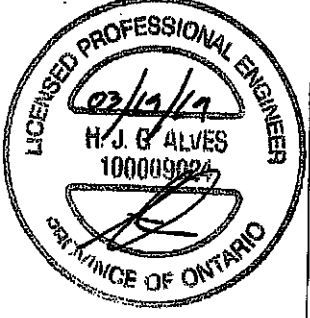
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP (DRY)	SHEAR	SECTION	(PSI)	(PLI)
MT20	618	354	1657	788	1887

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.27 (C) (INPUT = 1.00)

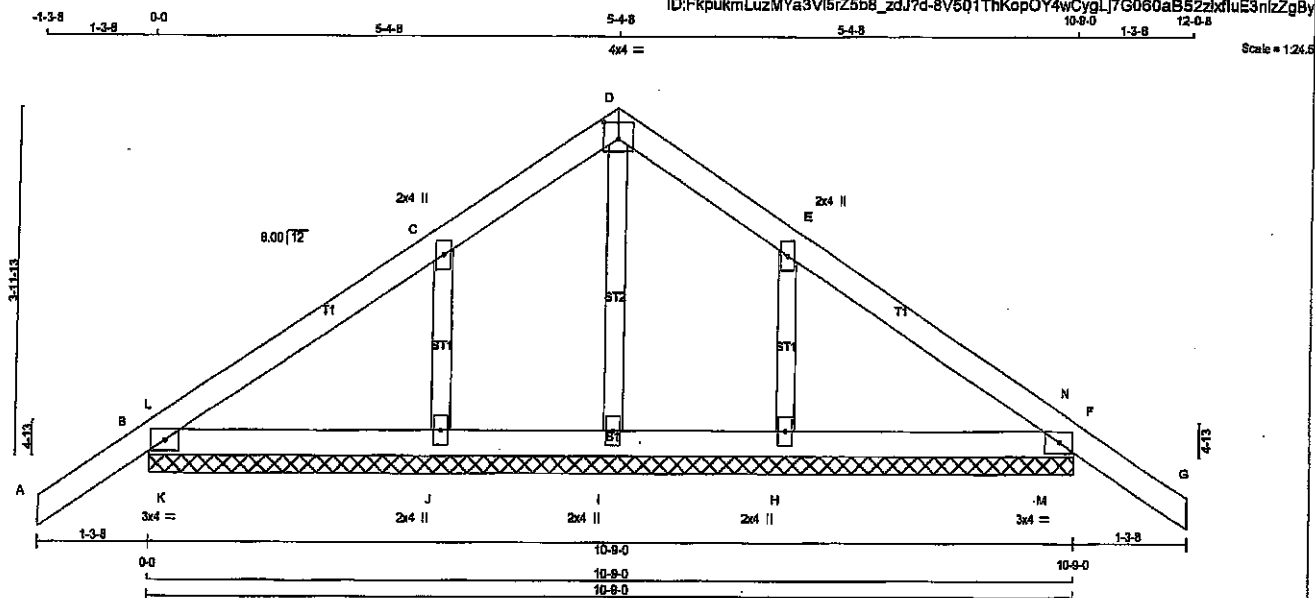


DRWG NO. TAM **7705425**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	G53	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 37 lb (M)

LUMBER

N. L. G. A. RULES	SIZE	DRY	LUMBER	DESCR.
CHORDS				
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
B - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMW-w	MT20	2.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMW-w	MT20	2.0	4.0		
F	TMB1-I	MT20	3.0	4.0		
H, I, J						
H	BMW1-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 (LC)	
FR-TO				FR-TO			
A-B	0/38	-102.1	-102.1 0.14 (1)	I-D	-59/0	0.01 (1)	
B-L	-39/0	-102.1	-102.1 0.03 (1)	J-C	-317/0	0.05 (1)	
L-C	-84/0	-102.1	-102.1 0.12 (1)	H-E	-317/0	0.05 (1)	
C-D	-86/0	-102.1	-102.1 0.12 (1)	K-L	-198/5	0.00 (1)	
D-E	-86/0	-102.1	-102.1 0.12 (1)	M-N	-198/5	0.00 (1)	
E-N	-84/0	-102.1	-102.1 0.12 (1)				
N-F	-39/0	-102.1	-102.1 0.03 (1)				
F-G	0/38	-102.1	-102.1 0.14 (1)				
B-K	0/84	-18.5	-18.5 0.08 (1)				
K-J	0/84	-18.5	-18.5 0.08 (1)				
J-I	0/53	-18.5	-18.5 0.06 (1)				
I-H	0/53	-18.5	-18.5 0.06 (1)				
H-M	0/84	-18.5	-18.5 0.08 (1)				
M-F	0/84	-18.5	-18.5 0.08 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B:1), BC=0.08/1.00 (H-M:1),
WB=0.05/1.00 (E-H:1), SS=0.16/1.00 (F-M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

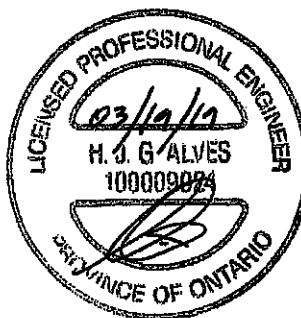
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1567 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

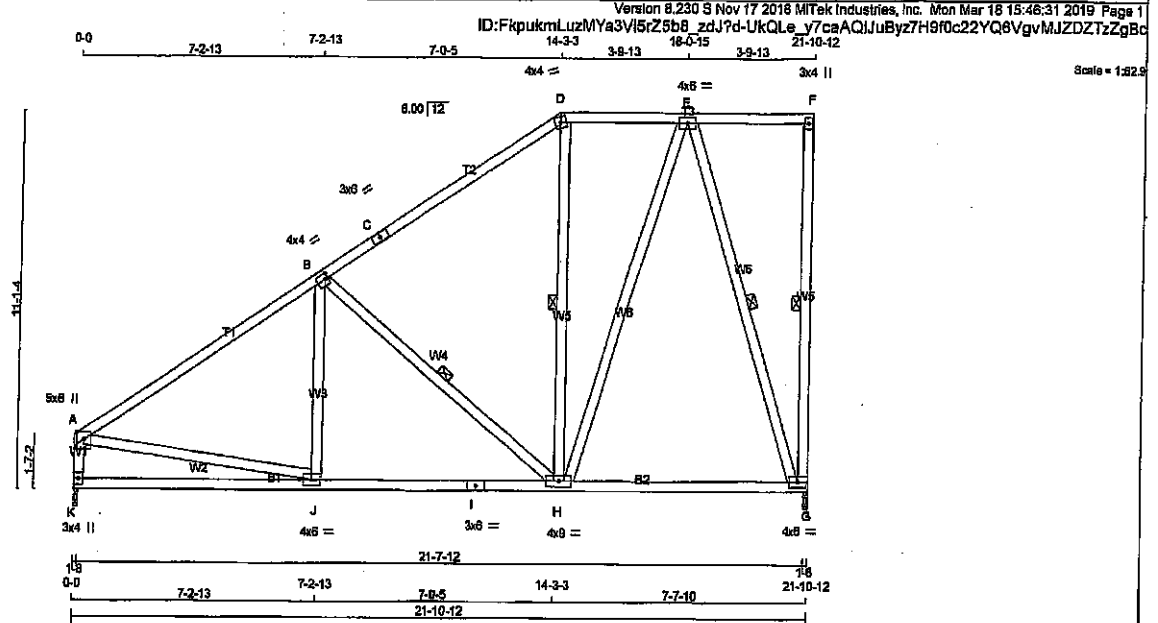
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.16 (B) (INPUT = 1.00)



DRWG NO. TAM 77905426
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T54	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 3 X 128 = 387 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	No.2
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
K - A	2x4	DRY	No.2
K - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2

ALL WEBS 2x4 DRY
DRY: SEASONED LUMBER.

DESCR.

SPF
SPF
SPF
SPF
SPF
SPF
SPF

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
G	1320	0	1320	0	1-8	1-8
K	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX. MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	929	636 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0
K	929	636 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, B-H, D-H, E-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-1355 / 0	-102.1 -102.1	0.77 (1)	4.37	J-B	-83 / 99	0.03 (1)
B-C	-784 / 0	-102.1 -102.1	0.71 (1)	5.52	B-H	-733 / 0	0.32 (1)
C-D	-784 / 0	-102.1 -102.1	0.71 (1)	5.52	H-D	-9 / 62	0.02 (4)
D-E	-809 / 0	-102.1 -102.1	0.19 (1)	8.25	A-J	0 / 1188	0.19 (1)
E-F	0 / 0	-102.1 -102.1	0.25 (1)	10.00	H-E	0 / 670	0.11 (1)
G-F	-147 / 0	0.0 0.0	0.09 (1)	6.25	E-G	-1185 / 0	0.85 (1)
K-A	-1285 / 0	0.0 0.0	0.13 (1)	7.18			
K-J	0 / 0	-18.5 -18.5	0.22 (4)	10.00			
J-I	0 / 1188	-18.5 -18.5	0.32 (4)	10.00			
I-H	0 / 1188	-18.5 -18.5	0.32 (4)	10.00			
H-G	0 / 394	-18.5 -18.5	0.28 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 42.4 PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.77/1.00 (A-B:1), SC=0.32/1.00 (H-J:4), WB=0.86/1.00 (E-G:1), SSI=0.30/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

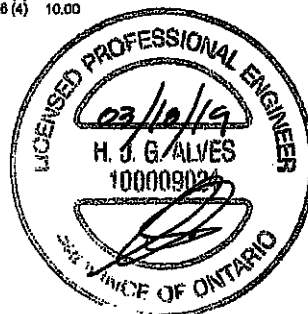
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	518	354
	1867	788
	1987	1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

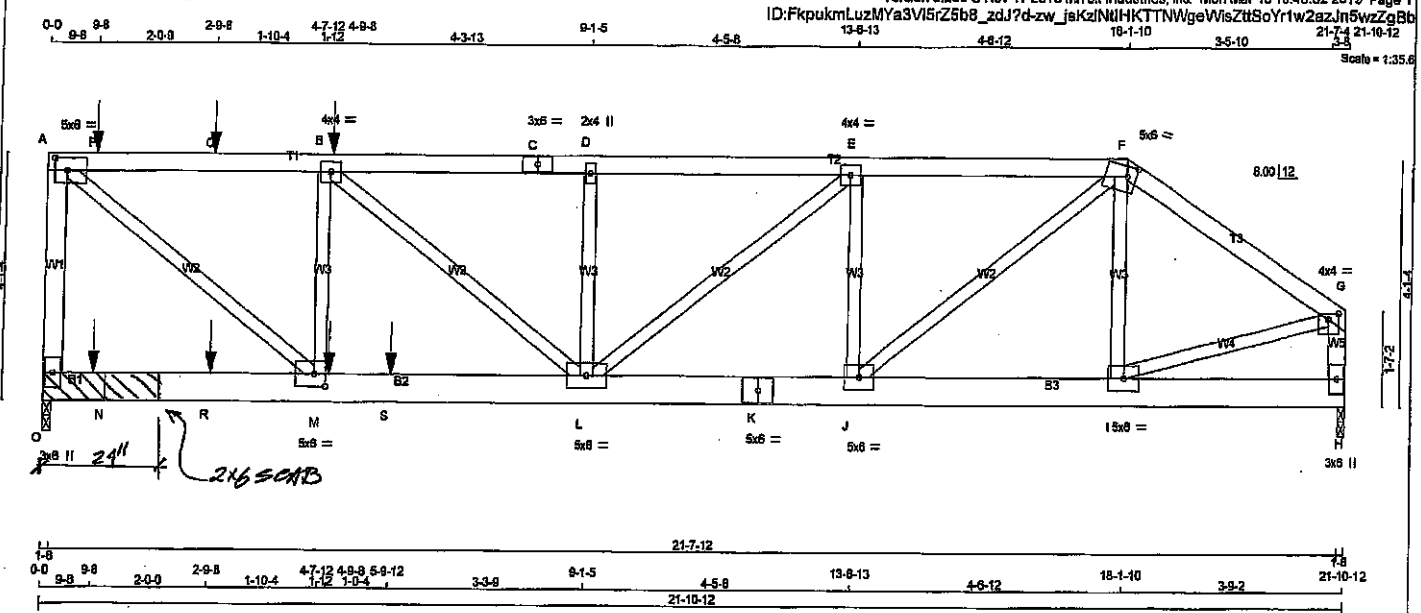
JSI GRIP= 0.77 (J) (INPUT = 0.90)
JSI METAL= 0.57 (A) (INPUT = 1.00)



DRWG NO. TAM 17905427
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T55	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 2 X 104 = 207 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
O - A	2x4	DRY No.2	SPF
A - C	2x4	DRY No.2	SPF
C - F	2x4	DRY No.2	SPF
F - G	2x4	DRY No.2	SPF
H - G	2x4	DRY No.2	SPF
O - K	2x6	DRY No.2	SPF
K - H	2x6	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122'X3") SPIRAL NAILS		
O-A	12	TOP
A-C	12	SIDE(61.0)
C-F	12	TOP
F-G	12	TOP
H-G	12	TOP
BOTTOM CHORDS: (0.122'X3") SPIRAL NAILS		
O-K	2	SIDE(183.1)
K-H	2	TOP
WEBS: (0.122'X3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMWV-1	5.0	6.0	2.50	2.25
B	TMWV-1	4.0	4.0		
C	TS-1	3.0	6.0		
D	TMWV-1	2.0	4.0		
E	TMWV-1	4.0	4.0		
F	TTWV-m	5.0	6.0	2.00	1.75
G	TMWV-p	4.0	4.0	1.25	2.00
H	BMV1-p	3.0	6.0		
I	BMWV-1	5.0	6.0		
J	BMWV-1	5.0	6.0		
K	BS-1	5.0	6.0		
L	BMWV-1	5.0	6.0		
M	BMWV-1	5.0	6.0	2.50	2.25
O	BMV1-p	3.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT: 3081	DOWN 3081	0	1-8 & BLOCK
O	HORZ: 1860	HORZ 1860	0	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX. MIN. SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
O	2151	1489 / 0	0 / 0	0 / 0	0 / 0	981 / 0	0 / 0
H	1308	902 / 0	0 / 0	0 / 0	0 / 0	408 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) O, H

2x6 DRY SPF No.2 BEARING BLOCK 4' LONG AT JT. O ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122'X3") SPIRAL NAILS SPACED 3" C.C. 2" NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PLATE BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.
FR-TO				FR-TO			
O-A	-3080 / 0	0.0	0.39 (1)	I-F	-380 / 0	0.05 (1)	
A-P	-3431 / 0	-102.1	-102.1 0.30 (1)	L-D	-387 / 0	0.05 (1)	
P-Q	-3431 / 0	-102.1	-102.1 0.30 (1)	J-F	0 / 1791	0.22 (1)	
Q-B	-3431 / 0	-102.1	-102.1 0.30 (1)	J-E	-1176 / 0	0.15 (1)	
B-C	-3840 / 0	-102.1	-102.1 0.28 (1)	L-E	0 / 1015	0.13 (1)	
C-D	-3840 / 0	-102.1	-102.1 0.28 (1)	A-M	0 / 4359	0.54 (1)	
D-E	-3840 / 0	-102.1	-102.1 0.23 (1)	M-B	-1125 / 0	0.07 (1)	
E-F	-3081 / 0	-102.1	-102.1 0.21 (1)	B-J	0 / 1015	0.13 (1)	
F-G	-2026 / 0	-102.1	-102.1 0.16 (1)	B-I	0 / 1015	0.13 (1)	
H-G	-1839 / 0	0.0	0.0 0.10 (1)				
O-N	0 / 0	-18.5	-18.5 0.18 (1)				
N-R	0 / 0	-18.5	-18.5 0.18 (1)				
R-M	0 / 0	-18.5	-18.5 0.18 (1)				
M-S	0 / 3431	-18.5	-18.5 0.65 (1)				
S-L	0 / 3431	-18.5	-18.5 0.65 (1)				
L-K	0 / 3081	-18.5	-18.5 0.31 (1)				
K-J	0 / 3081	-18.5	-18.5 0.31 (1)				
J-I	0 / 1672	-18.5	-18.5 0.15 (1)				
I-H	0 / 0	-18.5	-18.5 0.02 (4)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	HEEL
B	4-9-8	-123	-123	FRONT	VERT	
M	4-9-8	-26	-26	FRONT	VERT	
N	9-8	-28	-28	FRONT	VERT	
P	9-8	-134	-134	FRONT	VERT	
Q	2-9-8	-123	-123	FRONT	VERT	
R	2-9-8	-26	-26	FRONT	VERT	
S	5-9-12	-1820	-1820	FRONT	VERT	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF

BOT CH. LL = 0.0 PSF
DL = 7.4 PSF

TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.15")

CSI: TC=0.39/1.0 (A=0.1), BC=0.65/1.0 (L=M:1), WB=0.54/1.0 (A=M:1), SS=0.47/1.0 (L=M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

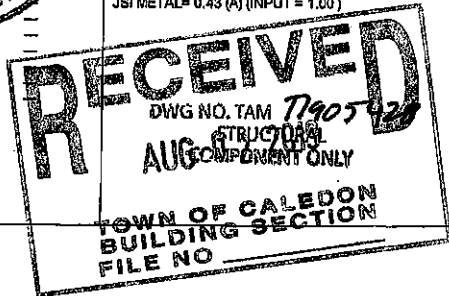
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354 1657 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (M) (INPUT = 0.90)
JSI METAL= 0.43 (A) (INPUT = 1.00)

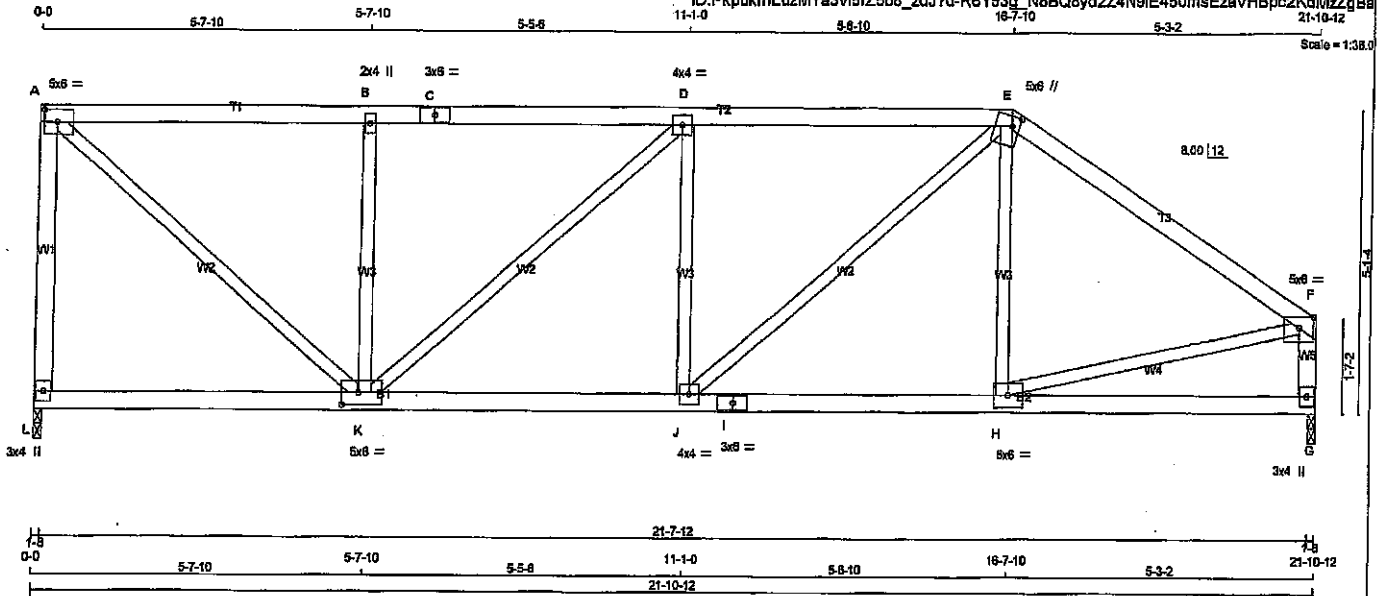


JOB NAME 401794	TRUSS NAME T56	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:38.0



TOTAL WEIGHT = 90 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
L - A	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - I	2x4	DRY	No.2
I - G	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.50	2.75
B	TMVW-w	MT20	2.0	4.0		
C	TS-t	MT20	3.0	6.0		
D	TMVW-t	MT20	4.0	4.0		
E	TTVW+m	MT20	5.0	6.0	2.00	1.50
F	TMVW-p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0	2.50	3.25
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
L	1320	0	0	1-8
G	1320	0	0	1-8

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS
JT	COMBINED
L	929 636 / 0 0 / 0 0 / 0 293 / 0 0 / 0
G	929 636 / 0 0 / 0 0 / 0 0 / 0 293 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (LC)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)
FR-TO				FR-TO		
L-A	-1277 / 0	0.0	0.0 0.58 (1)	H-E	-151 / 43	0.08 (1)
A-B	-1221 / 0	-102.1 -102.1 0.47 (1)	5.16	H-F	0 / 1147	0.28 (1)
B-C	-1221 / 0	-102.1 -102.1 0.47 (1)	5.16	K-B	-621 / 0	0.24 (1)
C-D	-1221 / 0	-102.1 -102.1 0.47 (1)	5.16	A-K	0 / 1606	0.38 (1)
D-E	-1570 / 0	-102.1 -102.1 0.49 (1)	4.66	J-E	0 / 605	0.14 (1)
E-F	-1343 / 0	-102.1 -102.1 0.57 (1)	4.82	J-D	-302 / 0	0.12 (1)
G-F	-1281 / 0	0.0	0.0 0.13 (1)	K-D	-485 / 0	0.47 (1)
L-K	0 / 0	-18.5 -18.5 0.14 (4)	10.00			
K-J	0 / 1570	-18.5 -18.5 0.32 (1)	10.00			
J-I	0 / 1112	-18.5 -18.5 0.25 (1)	10.00			
I-H	0 / 1112	-18.5 -18.5 0.25 (1)	10.00			
H-G	0 / 0	-18.5 -18.5 0.13 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 42.4 PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = 1/889 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = 1/889 (0.10")

CSI: TC=0.57/1.00 (E-F:1), BC=0.32/1.00 (J-K:1), WB=0.47/1.00 (D-K:1), SS=0.27/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

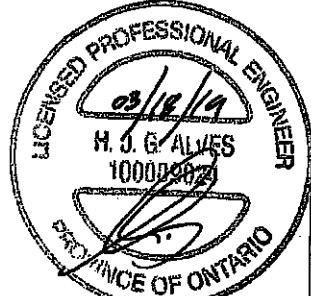
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (F) (INPUT = 0.90)
JSI METAL= 0.32 (K) (INPUT = 1.00)

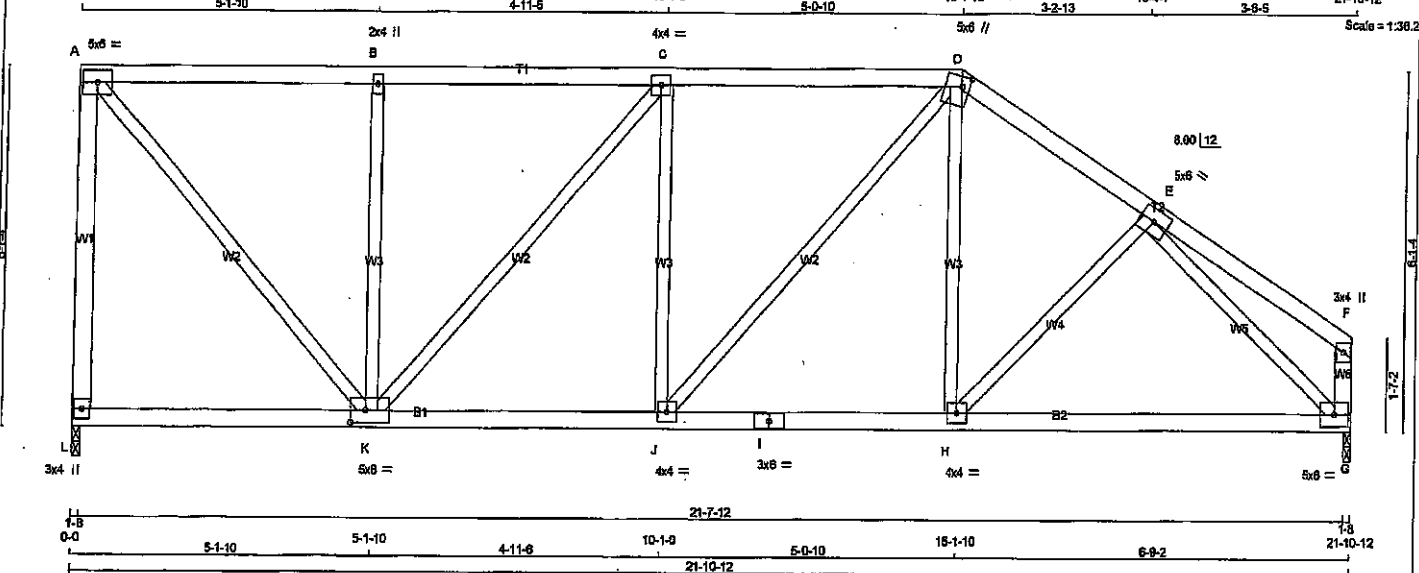


DRWG NO. TAM 17908429
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T57	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
L - A	2x4 DRY	No.2	SPF		
A - D	2x4 DRY	No.2	SPF		
D - F	2x4 DRY	No.2	SPF		
G - F	2x4 DRY	No.2	SPF		
L - I	2x4 DRY	No.2	SPF		
I - G	2x4 DRY	No.2	SPF		
ALL WEBS	2x3 DRY	No.2	SPF		
EXCEPT					
DRY: SEASONED LUMBER.					

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TMVW-w	MT20	2.0	4.0		
C	TMVW-t	MT20	4.0	4.0		
D	FTVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW-t	MT20	5.0	6.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0	2.50	3.00
L	BMV+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT HORZ	DOWN HORZ	UPLIFT	IN-SX	IN-SX
L 1320 0	1320 0	0	1-8	1-8
G 1320 0	1320 0	0	1-8	1-8

UNFACTORED REACTIONS							
	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	929	836 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0
G	929	836 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1 MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	CSI (LC)	UNBRAC	CSI (LC)	MEMB.	FORCE (LBS)
FR-TO						FR-TO	
L-A	-1281 / 0	0.0	0.0	0.92 (1)	7.13	H-D	0 / 143
A-B	-943 / 0	-102.1	-102.1	0.37 (1)	5.85	A-K	0 / 1425
B-C	-943 / 0	-102.1	-102.1	0.37 (1)	5.85	K-B	-564 / 0
C-D	-1282 / 0	-102.1	-102.1	0.38 (1)	5.20	J-D	0 / 309
D-E	-1317 / 0	-102.1	-102.1	0.20 (1)	5.41	J-C	-158 / 28
E-F	0 / 20	-102.1	-102.1	0.17 (1)	10.00	K-C	-522 / 0
F-G	-137 / 0	0.0	0.0	0.01 (1)	7.81	H-E	-16 / 42
						E-G	-1568 / 0
L-K	0 / 0	-18.5	-18.5	0.12 (4)	10.00		
K-J	0 / 1282	-18.5	-18.5	0.26 (1)	10.00		
J-I	0 / 1076	-18.5	-18.5	0.27 (1)	10.00		
I-H	0 / 1076	-18.5	-18.5	0.27 (1)	10.00		
H-G	0 / 1087	-18.5	-18.5	0.28 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.92/1.00 (A-L:1), BC=0.28/1.00 (G-H:1), WS=0.61/1.00 (C-K:1), SS=0.24/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LB BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

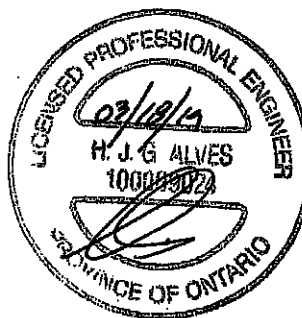
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788	1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

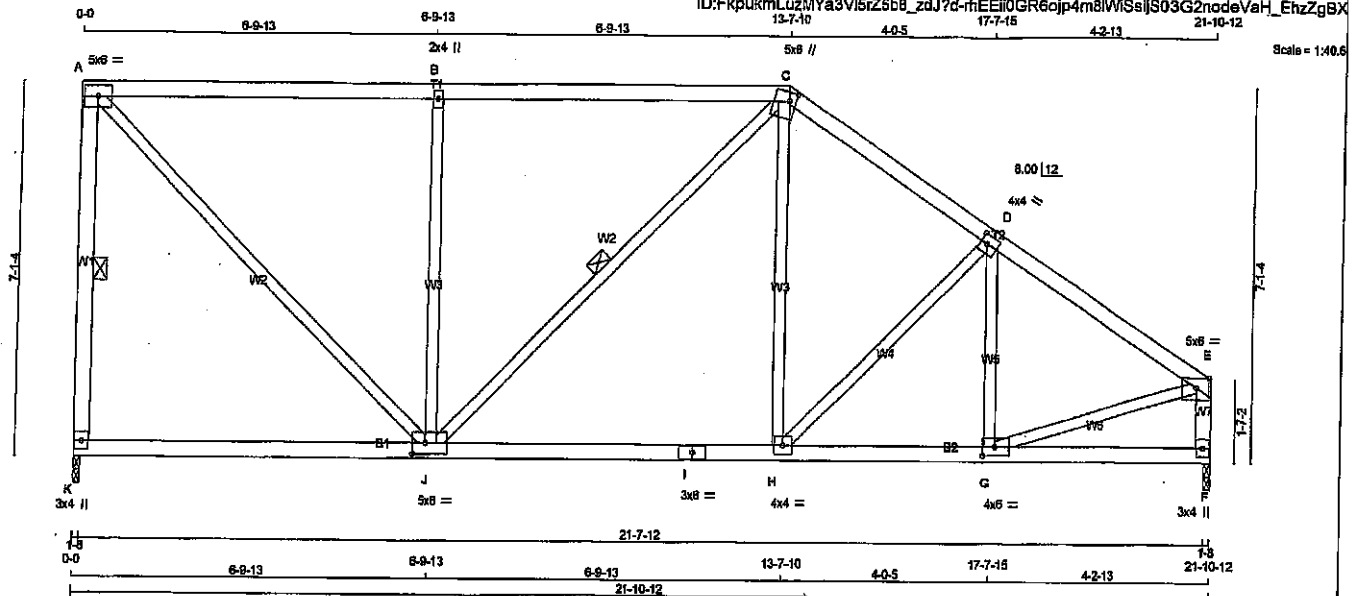
JSI GRIP= 0.76 (A) (INPUT = 0.90)
JSI METAL= 0.38 (E) (INPUT = 1.00)



DWG NO. TAM 17905430
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T58	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:FkpukmLuzMYa3VIsZ5bB_zdJ7d-rHEII0GR6ojp4m8lVIsSjS03G2nodeVaH_EhzZgBX
13-7-10 17-7-15 21-10-12



TOTAL WEIGHT = 97 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
K - A	2x4	DRY	No.2	SPF	
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - F	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TMVW-w	MT20	2.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMWW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW-p	MT20	5.0	6.0	Edge	
F	BMV1-p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	6.0	2.00	2.75
H	BMWW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	5.0	8.0	2.50	3.00
K	BMV1-p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
K	1320	0	1320	0	1-8	1-8
F	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	929	636 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0
F	929	636 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-K, C-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. FACTORED UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
		FROM	TO				
K-A	-1289 / 0	0.0	0.0	0.28 (1)	5.71	A-J	0 / 1424
A-B	-1010 / 0	-102.1	-102.1	0.88 (1)	4.37	J-B	-864 / 0
B-C	-1010 / 0	-102.1	-102.1	0.88 (1)	4.37	J-C	-9 / 5
C-D	-1236 / 0	-102.1	-102.1	0.32 (1)	5.38	H-C	0 / 251
D-E	-1361 / 0	-102.1	-102.1	0.32 (1)	5.18	H-D	-214 / 0
F-E	-1285 / 0	0.0	0.0	0.14 (1)	7.11	G-D	-273 / 0
K-J	0 / 0	-18.5	-18.5	0.22 (4)	10.00	G-E	0 / 1206
J-I	0 / 1007	-18.5	-18.5	0.30 (4)	10.00		
I-H	0 / 1007	-18.5	-18.5	0.30 (4)	10.00		
H-G	0 / 1154	-18.5	-18.5	0.25 (1)	10.00		
G-F	0 / 0	-18.5	-18.5	0.07 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.89/1.00 (A-B:1), BC=0.30/1.00 (H-J:4), WB=0.76/1.00 (B-E:1), SS=0.34/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

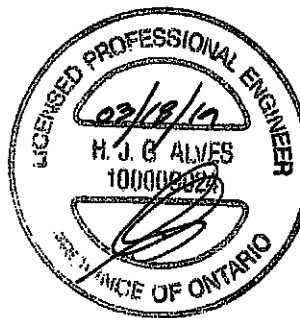
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(Psi) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1887 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.80)
JSI METAL= 0.34 (I) (INPUT = 1.00)



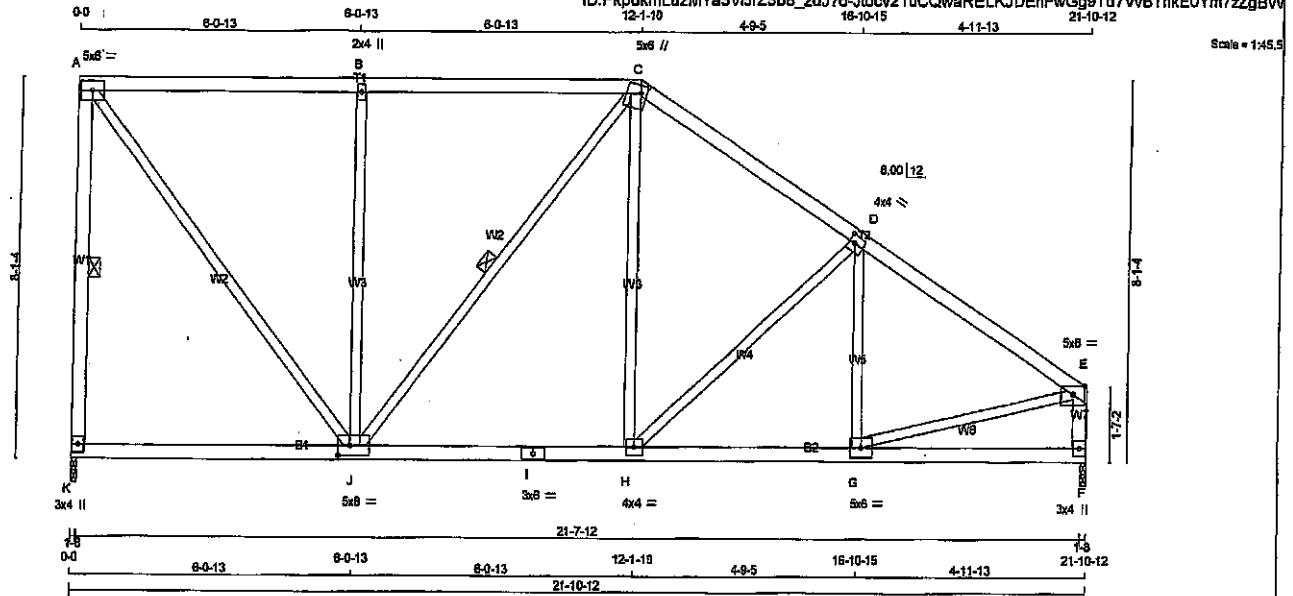
DRWG NO. TAM 71905431
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T59	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 103 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
K - A	2x4	DRY	No.2	SPF	
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
E - F	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - F	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TMVW-w	MT20	2.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMVW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW-p	MT20	5.0	6.0	Edge	
F	BMV1-p	MT20	3.0	4.0		
G	BMVW-t	MT20	5.0	6.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	5.0	6.0	2.50	3.00
K	BMV1-p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
JT				
K	1320	0	1320	0
F	1320	0	1320	0

UNFACTORED REACTIONS

	1ST LOASE	MAX / MIN	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
JT			
K	929	636 / 0	0 / 0
F	929	636 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-K, C-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED MAX. VERT. LOAD (LC)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. VERT. LOAD (LC)
FR-TO		FROM	TO		FR-TO		
K-A	-1274 / 0	0.0	0.0	0.38 (1)	A-J	0 / 1317	0.30 (1)
A-B	-811 / 0	-102.1	-102.1	0.67 (1)	J-B	-768 / 0	0.97 (1)
B-C	-811 / 0	-102.1	-102.1	0.67 (1)	C-D	-181 / 0	0.12 (1)
C-D	-1138 / 0	-102.1	-102.1	0.45 (1)	D-E	0 / 341	0.08 (1)
D-E	-1381 / 0	-102.1	-102.1	0.47 (1)	E-F	-356 / 0	0.29 (1)
E-F	-1281 / 0	0.0	0.0	0.14 (1)	F-G	-204 / 20	0.07 (1)
K-J	0 / 0	-18.5	-18.5	0.17 (4)	G-E	0 / 1214	0.27 (1)
J-I	0 / 922	-18.5	-18.5	0.24 (4)			
I-H	0 / 922	-18.5	-18.5	0.24 (4)			
H-G	0 / 1178	-18.5	-18.5	0.24 (1)			
G-F	0 / 0	-18.5	-18.5	0.10 (4)			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/899 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/899 (0.08")

CSI: TC=0.67/1.00 (A-B:1), BC=0.24/1.00 (G-H:1), WB=0.97/1.00 (B-J:1), SI=0.30/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

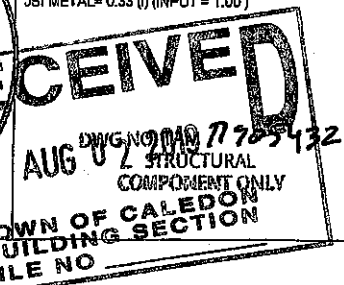
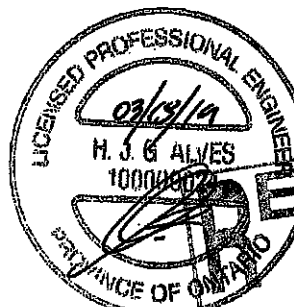
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1687 1658

PLATE PLACEMENT TOL = 0.250 inches

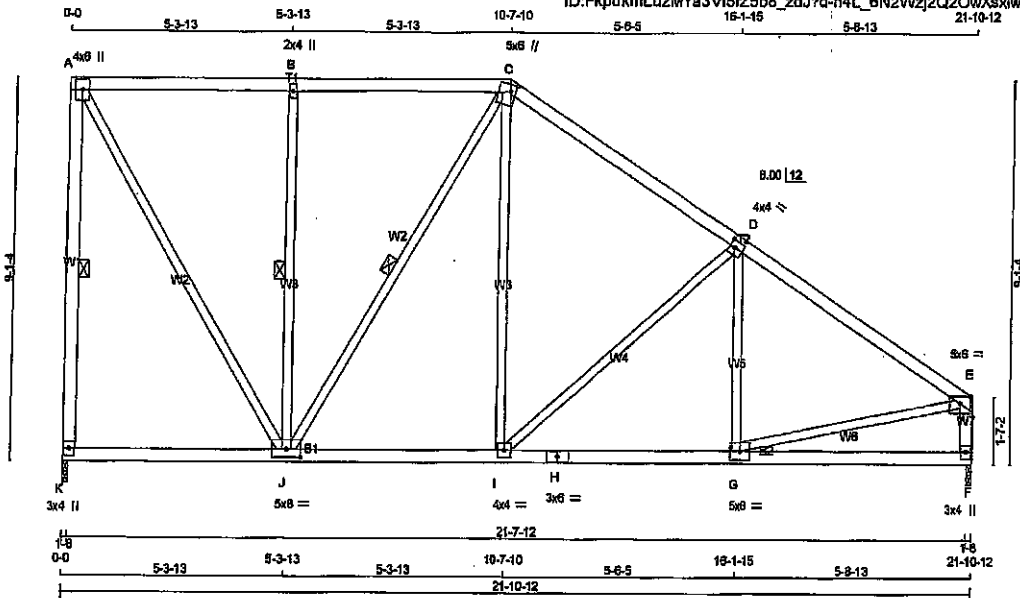
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (J) (INPUT = 0.90)
JSI METAL= 0.33 (I) (INPUT = 1.00)



JOB NAME 401794	TRUSS NAME T60	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 108 lb
(M)

CHORDS	SIZE	DRY	NO.2	DESCR.
N. L. G. A. RULES				
K - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT
DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TMWV+p MT20	4.0	5.0		
B TMWV+w MT20	2.0	4.0		
C TTWV+m MT20	5.0	5.0	2.00	1.50
D TMWV-t MT20	4.0	4.0	2.00	1.50
E TMWV-p MT20	5.0	5.0	Edge	
F BMV1+p MT20	3.0	4.0		
G BMWV-t MT20	3.0	5.0		
H BS-t MT20	3.0	5.0		
I BMWV-t MT20	4.0	4.0		
J BMWVW-t MT20	5.0	5.0	2.25	4.00
K BMV1+p MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
K	1320 0	1320 0	1-8	1-8
F	1320 0	1320 0	1-8	1-8

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE	PERM.LIVE	
K	929 636 / 0	0 / 0	0 / 0	293 / 0
F	929 636 / 0	0 / 0	0 / 0	293 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-K, B-J, C-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO									
K-A	-1279 / 0	0.0	0.0	0.48 (1)	5.70	A-J	0 / 1253	0.28 (1)	
A-B	-651 / 0	-102.1	-102.1	0.37 (1)	6.25	J-B	-672 / 0	0.38 (1)	
B-C	-651 / 0	-102.1	-102.1	0.37 (1)	6.25	J-C	-340 / 0	0.28 (1)	
C-D	-1027 / 0	-102.1	-102.1	0.48 (1)	5.61	I-C	0 / 424	0.10 (1)	
D-E	-1385 / 0	-102.1	-102.1	0.48 (1)	4.98	I-D	-490 / 0	0.57 (1)	
F-E	-1276 / 0	0.0	0.0	0.13 (1)	7.13	G-D	-146 / 53	0.05 (1)	
						G-E	0 / 1213	0.27 (1)	
K-J	0 / 0	-18.5	-18.5	0.12 (4)	10.00				
J-I	0 / 826	-18.5	-18.5	0.19 (1)	10.00				
I-H	0 / 1184	-18.5	-18.5	0.26 (1)	10.00				
H-G	0 / 1184	-18.5	-18.5	0.26 (1)	10.00				
G-F	0 / 0	-18.5	-18.5	0.14 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN./C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/380 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/380 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.49/1.00 (A-K-1), BC=0.26/1.00 (G-K-1), WB=0.57/1.00 (D-I-1), SI=0.26/1.00 (A-B-1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (E) (INPUT = 0.80)
JSI METAL= 0.37 (F) (INPUT = 1.00)



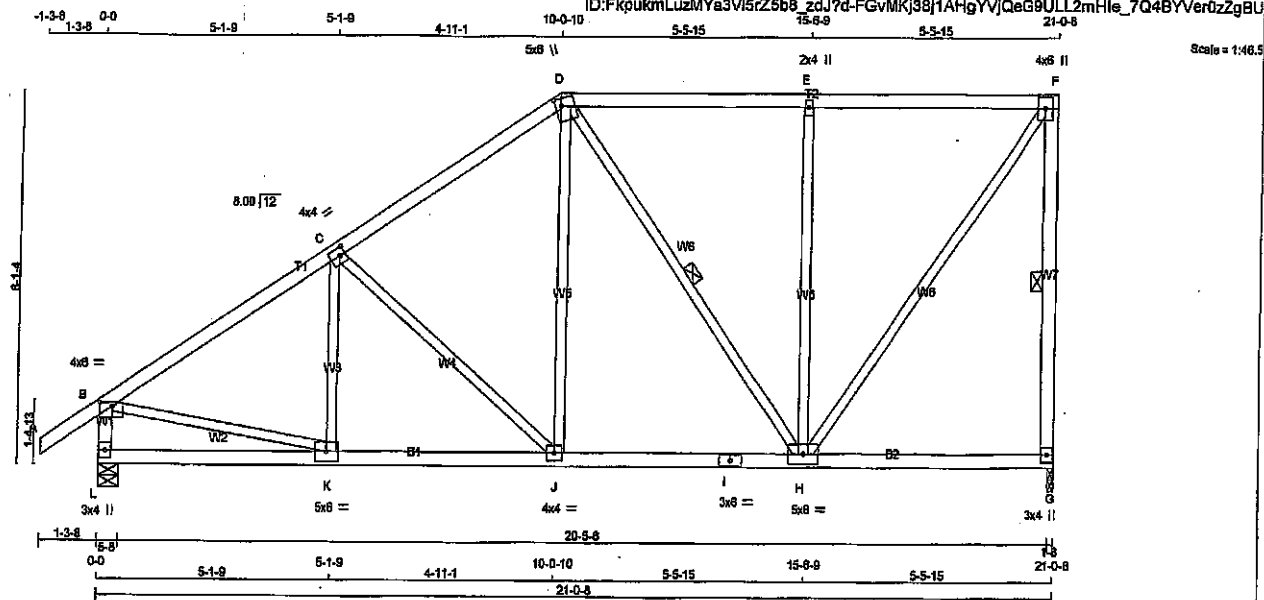
DRWG NO. TAM 71905433
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T65	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-FGvMKJ38J1AHgVYJQeG9ULL2mHle_7Q4BYVer0zZgBU



TOTAL WEIGHT = 102 lb

LUMBER

N. L. G. A. RULES	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	6.0	1.00	3.25
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMVWW-t	MT20	4.0	4.0		
K	BMVWW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
G	1269 0	1269 0	1-8	1-8
L	1408 0	1408 0	5-8	5-8

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	893	811 / 0	0 / 0	0 / 0	0 / 0	282 / 0	0 / 0
L	989	881 / 0	0 / 0	0 / 0	0 / 0	298 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (UNBRAC)	WESS MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)
FR-TO		FROM	TO	LENGTH	PR-TO			
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-145 / 42	0.05 (1)
B-C	-1374 / 0	-102.1	-102.1	0.50 (1)	4.80	C-J	-425 / 0	0.38 (1)
C-D	-1063 / 0	-102.1	-102.1	0.47 (1)	5.43	J-D	0 / 378	0.08 (1)
D-E	-718 / 0	-102.1	-102.1	0.54 (1)	6.12	D-H	-249 / 0	0.16 (1)
E-F	-717 / 0	-102.1	-102.1	0.54 (1)	6.12	H-E	-894 / 0	0.88 (1)
G-F	-1227 / 0	0.0	0.0	0.36 (1)	5.78	H-F	0 / 1240	0.28 (1)
L-B	-1369 / 0	0.0	0.0	0.14 (1)	6.94	B-K	0 / 1197	0.27 (1)
L-K	0 / 0	-18.5	-18.5	0.11 (4)	10.00			
K-J	0 / 1171	-18.5	-18.5	0.24 (1)	10.00			
J-I	0 / 859	-18.5	-18.5	0.21 (1)	10.00			
I-H	0 / 859	-18.5	-18.5	0.21 (1)	10.00			
H-G	0 / 0	-18.5	-18.5	0.14 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/909 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/909 (0.07")

CSI: TC=0.54/1.00 (E-F:1), BC=0.24/1.00 (J-K:1), WB=0.88/1.00 (E-H:1), SS=0.27/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

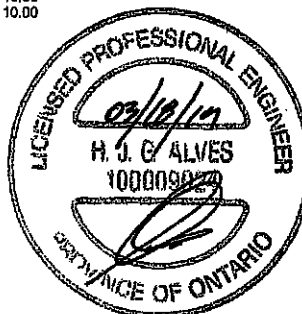
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1887 788 1887 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (H) (INPUT = 0.80)
JSI METAL = 0.33 (B) (INPUT = 1.00)

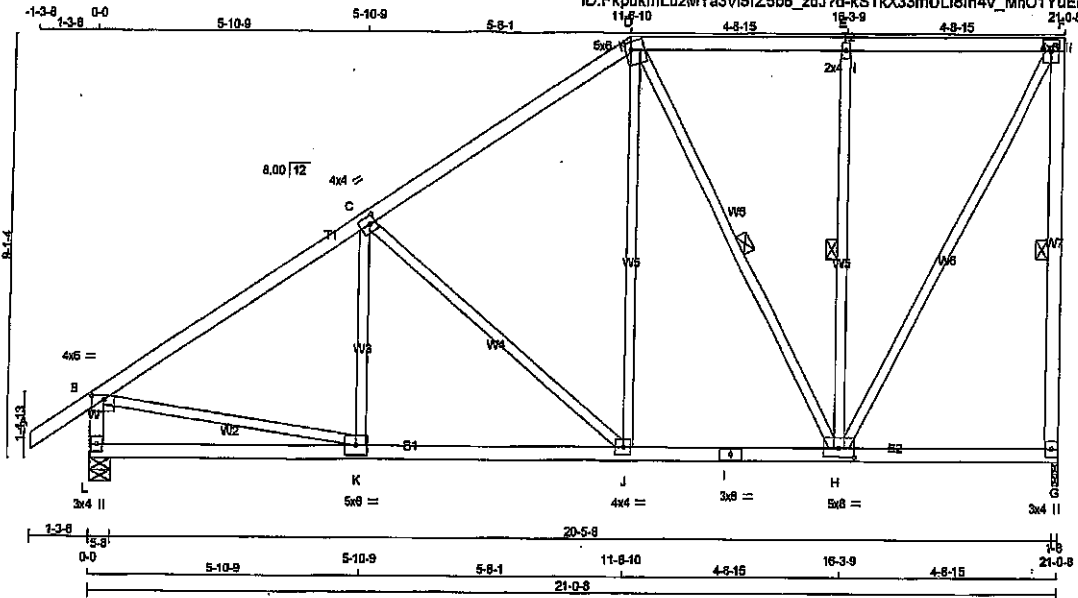


DRWG NO. TAM 7705434
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T66	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/4\"

TOTAL WEIGHT = 107 lb

LUMBER

N L G. A. RULES

CHORDS SIZE

A - D 2x4 DRY No.2

D - F 2x4 DRY No.2

G - F 2x4 DRY No.2

L - B 2x4 DRY No.2

L - I 2x4 DRY No.2

I - G 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW-w	MT20	4.0	6.0	1.00	3.25
C	TMW-w	MT20	4.0	4.0	2.00	1.50
D	TTW-w	MT20	5.0	6.0	2.00	1.50
E	TMW-w	MT20	2.0	4.0		
F	TMW-w	MT20	4.0	6.0		
G	BMV1-p	MT20	3.0	4.0		
H	BMW-w	MT20	5.0	6.0	2.25	4.00
I	BS-t	MT20	3.0	6.0		
J	BMW-w	MT20	4.0	4.0		
K	BMW-w	MT20	5.0	6.0		
L	BMV1-p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
G	1269	0	1-8	1-8
L	1409	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	893	811 / 0	0 / 0	0 / 0	0 / 0	262 / 0	0 / 0
L	989	891 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LOCAL CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	K-C	-83 / 73	0.04 (1)	
B-C	-1368 / 0	-102.1 -102.1	0.48 (1)	C-J	-564 / 0	0.65 (1)	
C-D	-944 / 0	-102.1 -102.1	0.45 (1)	J-D	0 / 455	0.10 (1)	
D-E	-587 / 0	-102.1 -102.1	0.29 (1)	D-H	-400 / 0	0.28 (1)	
E-F	-587 / 0	-102.1 -102.1	0.29 (1)	H-E	-598 / 0	0.32 (1)	
G-F	-1231 / 0	0.0	0.47 (1)	H-F	0 / 1188	0.27 (1)	
L-B	-1364 / 0	0.0	0.14 (1)	B-K	0 / 1188	0.27 (1)	
L-K	0 / 0	-18.5 -18.5	0.15 (4)				
K-J	0 / 1169	-18.5 -18.5	0.27 (1)				
J-I	0 / 758	-18.5 -18.5	0.17 (1)				
I-H	0 / 758	-18.5 -18.5	0.17 (1)				
H-G	0 / 0	-18.5 -18.5	0.08 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 42.4 PSF	

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.70")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.70")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

CSI: TC=0.48/1.00 (B-C:1), BC=0.27/1.00 (J-K:1), WB=0.85/1.00 (C-J:1), SS=0.24/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LB BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

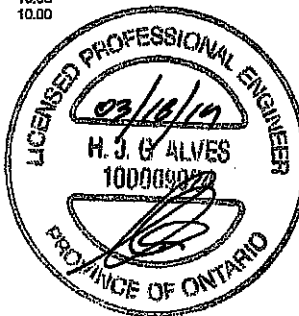
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (H) (INPUT = 0.90)
JSI METAL= 0.33 (B) (INPUT = 1.00)



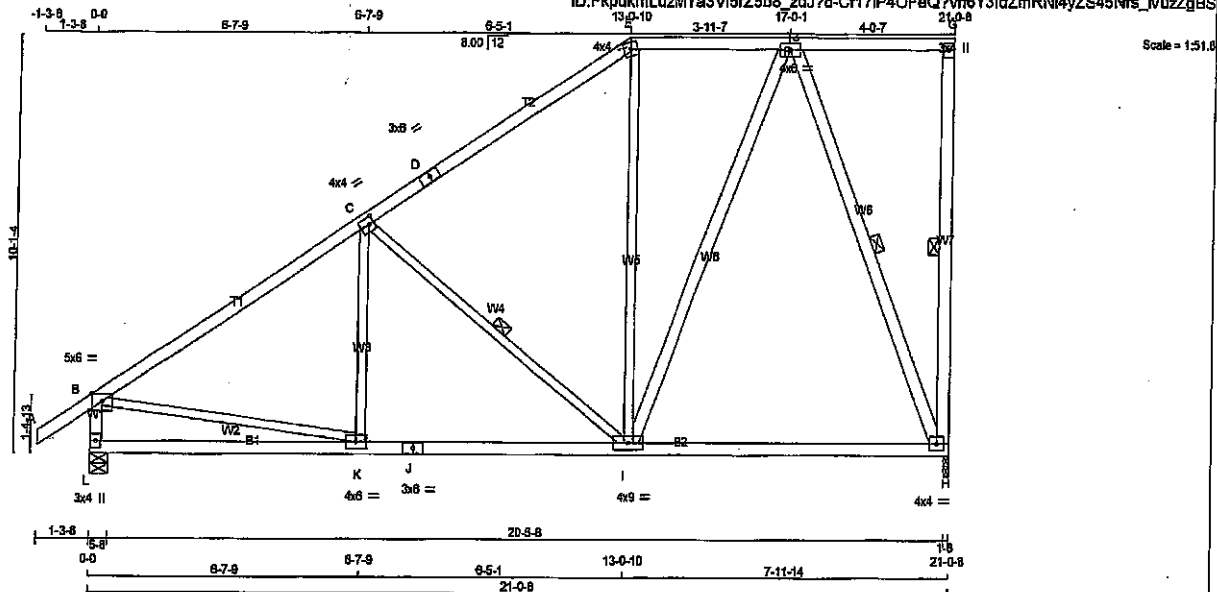
DRWG NO. TAM 77905435
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T67	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ?d-CF7IP4OFaQ?vm6Y3IdZmRN4yZS45Nfs_vuzZgBS



TOTAL WEIGHT = 2 X 112 = 224 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - E	2x4	DRY	No.2	SPF		
E - G	2x4	DRY	No.2	SPF		
H - G	2x4	DRY	No.2	SPF		
L - B	2x4	DRY	No.2	SPF		
J - H	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
I - F	2x4	DRY	No.2	SPF		
F - H	2x4	DRY	No.2	SPF		

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW-t	MT20	4.0	6.0		
G	TMV-p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMVWV-t	MT20	4.0	9.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMV1-p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION	GROSS REACTION	BRG	BRG	IN-SX	IN-SX		
JT VERT	DOWN	0	0	1-8	1-8		
H 1269	0	1269	0	0	0		
L 1409	0	1409	0	5-8	5-8		

UNFACTORED REACTIONS							
	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT							
H	893	611 / 0	0 / 0	0 / 0	0 / 0	282 / 0	0 / 0
L	989	681 / 0	0 / 0	0 / 0	0 / 0	298 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, C-I, F-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
FR-TO	FROM	FR-TO	FROM
A-B	0/38	K-C	-64/84
B-C	-1345/0	D-I	-665/0
C-D	-825/0	I-E	0/74
D-E	-825/0	F-H	0/588
E-F	-647/0	F-H	-1138/0
F-G	0/0	B-K	0/1171
H-G	-157/0		
L-B	-1367/0		
L-K	0/0		
K-J	0/1158		
J-I	0/1158		
I-H	0/433		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2018, OBC 2012
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/380 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.63/1.00 (B-C:1), SC=0.34/1.00 (I-K:4), WB=0.68/1.00 (F-H:1), SSI=0.27/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

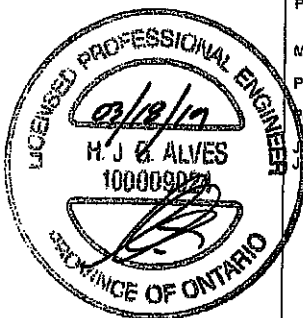
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1887 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JT GRIP= 0.80 (B) (INPUT = 0.80)
JH METAL= 0.35 (J) (INPUT = 1.00)



DRWG NO. TAM 11905436
STRUCTURAL
COMPONENT ONLY

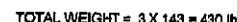
Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:59:08 2018 Page 1

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0-0 4-4-0 4-4-0 4-1-8 8-5-8 4-1-8 12-7-0 16-8-12 21-0-8

5x6 11 2x4 11 4x4 11

Scale = 1:57.9



SPECIFIED LOADS:			
TOP CH.	LL =	29.0	PSF
	DL =	8.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.4	PSF
TOTAL LOAD =		42.4	PSF

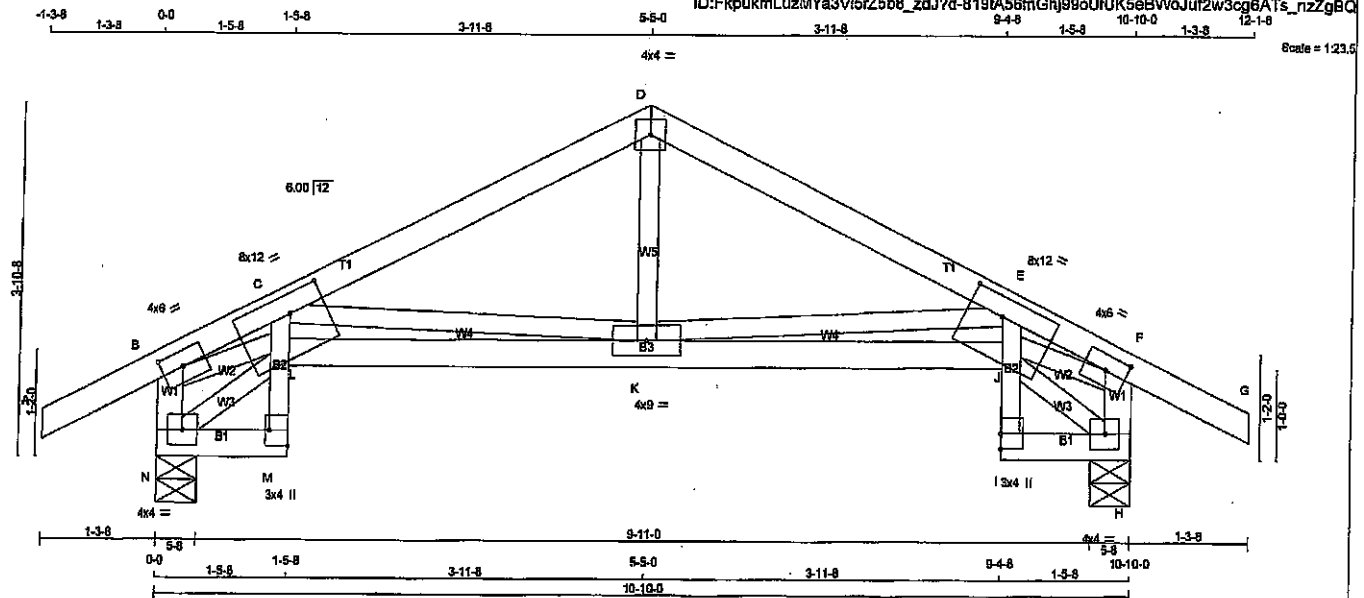
RECEIVED
DWG NO. TAM 7905
STRUCTURAL
AUG 01 1979
FOR COMMENT ONLY

TOWN OF CALEDON
BUILDING SECTION
FILE NO _____

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T70S	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 45 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
N - M	2x4	DRY	No.2	SPF
M - C	2x3	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
I - E	2x3	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	8.0	2.00	3.00
C, E, J, L						
C	TMVWVWV-t	MT20	8.0	12.0	2.50	4.75
D	TTW-p	MT20	4.0	4.0		
E	TMVWVWV-t	MT20	8.0	12.0	2.50	4.75
F	TMVW-t	MT20	4.0	8.0	2.00	3.00
H	BMVWV-t	MT20	4.0	4.0		
I	BMV-p	MT20	3.0	4.0		
K	BMVWVWV-t	MT20	4.0	8.0		
M	BMV-p	MT20	3.0	4.0	2.00	Edge
N	BMVWV-t	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
N	792	0	792	0	0	5-8	5-8	5-8	5-8
H	792	0	792	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	555	393	0	0	0	0	161	0
H	555	393	0	0	0	0	161	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRAC (LC)	MEMB.	FORCE (LBS)	MAX. FACTORED (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	LENGTH	FR-TO			FR-TO	
A-B	0/31	-102.1	-102.1	0.13 (1)	10.00	K-D	0/280	0.06 (1)	
B-C	-1450/0	-102.1	-102.1	0.12 (1)	5.32	K-E	-715/0	0.21 (1)	
C-D	-753/0	-102.1	-102.1	0.24 (1)	6.25	C-K	-715/0	0.21 (1)	
D-E	-753/0	-102.1	-102.1	0.24 (1)	6.25	N-L	-60/0	0.01 (1)	
E-F	-1450/0	-102.1	-102.1	0.12 (1)	5.32	B-L	0/1293	0.29 (1)	
F-G	0/31	-102.1	-102.1	0.13 (1)	10.00	J-H	-60/0	0.01 (1)	
N-B	-744/0	0.0	0.0	0.08 (1)	7.81	J-F	0/1293	0.29 (1)	
H-F	-744/0	0.0	0.0	0.08 (1)	7.81				
N-M	0/48	-18.5	-18.5	0.01 (4)	10.00				
M-L	0/14	0.0	0.0	0.13 (1)	10.00				
L-C	0/140	0.0	0.0	0.16 (1)	10.00				
L-K	0/1376	-18.5	-18.5	0.27 (1)	10.00				
K-J	0/1376	-18.5	-18.5	0.27 (1)	10.00				
I-J	0/14	0.0	0.0	0.13 (1)	10.00				
J-E	0/140	0.0	0.0	0.16 (1)	10.00				
I-H	0/48	-18.5	-18.5	0.01 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.38")
CALCULATED VERT. DEFL.(LL) = $L/599$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.38")
CALCULATED VERT. DEFL.(TL) = $L/599$ (0.06")

CSI: TC=0.24/1.00 (C-D:1), BC=0.27/1.00 (K-L:1), WB=0.29/1.00 (B-L:1), SS=0.15/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

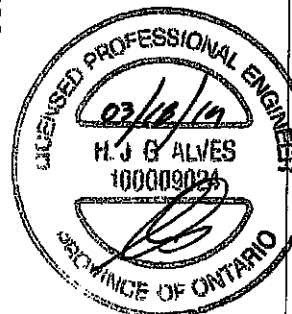
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	818	354	1667
	788	1887	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.64 (C) (INPUT = 0.90)
JS METAL= 0.39 (B) (INPUT = 1.00)

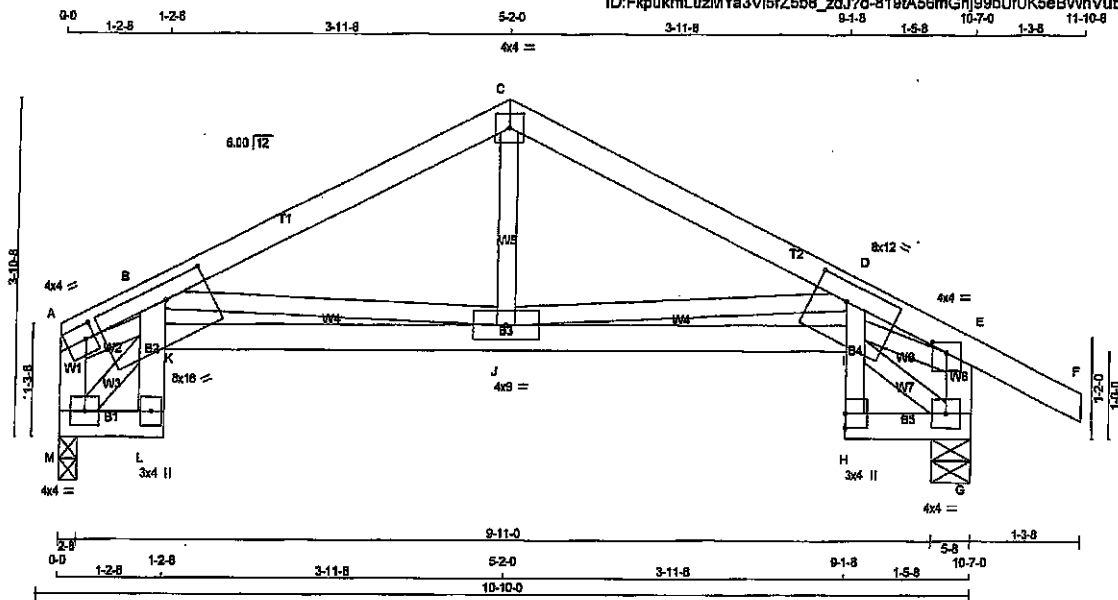


DRWG NO. TAM 77905438
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T70SA	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/24

TOTAL WEIGHT = 43 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x4	DRY	No.2	SPF	
M - A	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	
M - L	2x4	DRY	No.2	SPF	
L - B	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
H - D	2x3	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
DRY: SEASONED LUMBER.					

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	4.0	4.0	2.00	1.25
B, D, I, K						
C	TTW-p	MT20	4.0	4.0		
D	TMBVWWW-1	MT20	8.0	12.0	2.50	4.75
E	TMVW-p	MT20	4.0	4.0	1.50	2.00
G	BMVWV-1	MT20	4.0	4.0		
H	BMV-p	MT20	3.0	4.0		
J	BMVWWW-1	MT20	4.0	9.0		
K	TMBVWWW-1	MT20	8.0	18.0	2.25	6.00
L	BMV-p	MT20	3.0	4.0		
M	BMVWV-1	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
M	829	0	2-8	2-8
G	786	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	DEAD	SOIL
JT	COMBINED		
M	443	302/0	0/0
G	550	391/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.28 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO		
A-B	-5/15	-102.1	-102.1	0.05 (1)	J-C	0/257	0.05 (1)
B-C	-738/0	-102.1	-102.1	0.30 (1)	J-D	-714/0	0.21 (1)
C-D	-738/0	-102.1	-102.1	0.28 (1)	B-J	-601/0	0.18 (1)
D-E	-1435/0	-102.1	-102.1	0.15 (1)	M-B	-726/0	0.10 (1)
E-F	0/31	-102.1	-102.1	0.13 (1)	I-G	-59/0	0.01 (1)
M-A	-19/0	0.0	0.0	0.00 (4)	I-E	0/1280	0.28 (1)
G-E	-738/0	0.0	0.0	0.07 (1)			
M-L	0/405	-18.5	-18.5	0.07 (1)			
L-K	0/11	0.0	0.0	0.55 (1)			
K-B	0/152	0.0	0.0	0.58 (1)			
K-J	0/1252	-18.5	-18.5	0.25 (1)			
J-I	0/1362	-18.5	-18.5	0.27 (1)			
H-I	0/14	0.0	0.0	0.13 (1)			
I-D	0/139	0.0	0.0	0.16 (1)			
H-G	0/48	-18.5	-18.5	0.01 (4)			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.05")

CSI: TC=0.30/1.00 (B-C-1), BC=0.58/1.00 (B-K-1),
WB=0.29/1.00 (E-1-1), SS=0.85/1.00 (B-K-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

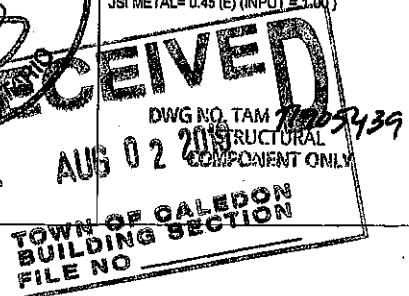
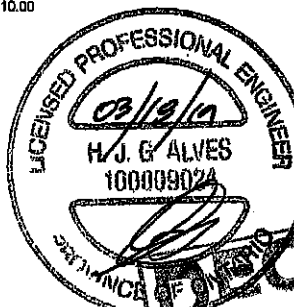
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.45 (E) (INPUT = 1.00)

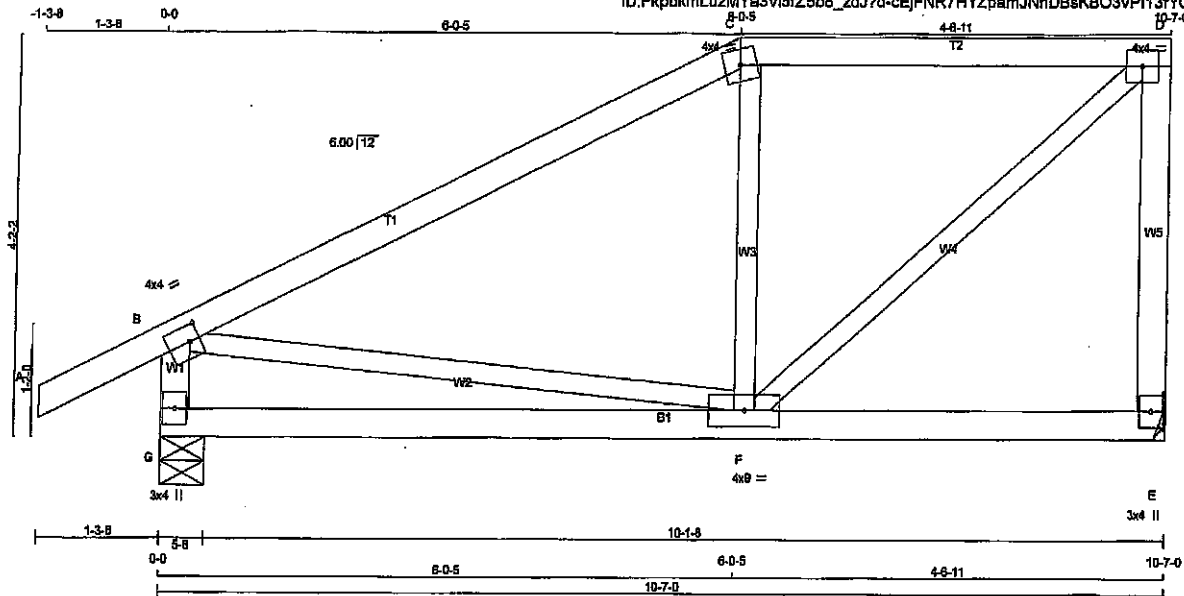
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T71	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/2\"/>

TOTAL WEIGHT = 44 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
G - B	2x4	DRY	No.2
G - E	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	4.0	2.00	1.25
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	9.0		
G	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
E	638	0	638	0
G	777	0	777	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT E. MINIMUM BEARING LENGTH AT JOINT E = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	449	307 / 0	0 / 0	0 / 0	0 / 0	142 / 0	0 / 0
G	544	388 / 0	0 / 0	0 / 0	0 / 0	158 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0 / 31	-102.1	-102.1	0.13 (1)	10.00	F-C	-319 / 0	0.08 (1)
B-C	-485 / 0	-102.1	-102.1	0.48 (1)	6.25	F-D	0 / 572	0.13 (1)
C-D	-428 / 0	-102.1	-102.1	0.27 (1)	6.25	B-F	0 / 447	0.10 (1)
E-D	-812 / 0	0.0	0.0	0.17 (1)	7.81			
G-B	-729 / 0	0.0	0.0	0.07 (1)	7.81			
G-F	0 / 0	-18.5	-18.5	0.16 (4)	10.00			
F-E	0 / 0	-18.5	-18.5	0.16 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/888 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/688 (0.05")

CS1: TC=0.48/1.00 (B-C:1), BC=0.16/1.00 (E-F:4), WB=0.13/1.00 (D-F:1), SS=0.21/1.00 (B-C:1)

DOL LUMBER=1.00 NAL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

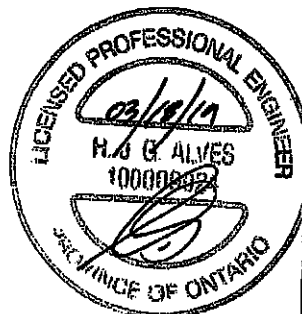
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MT20	618	354	1887

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

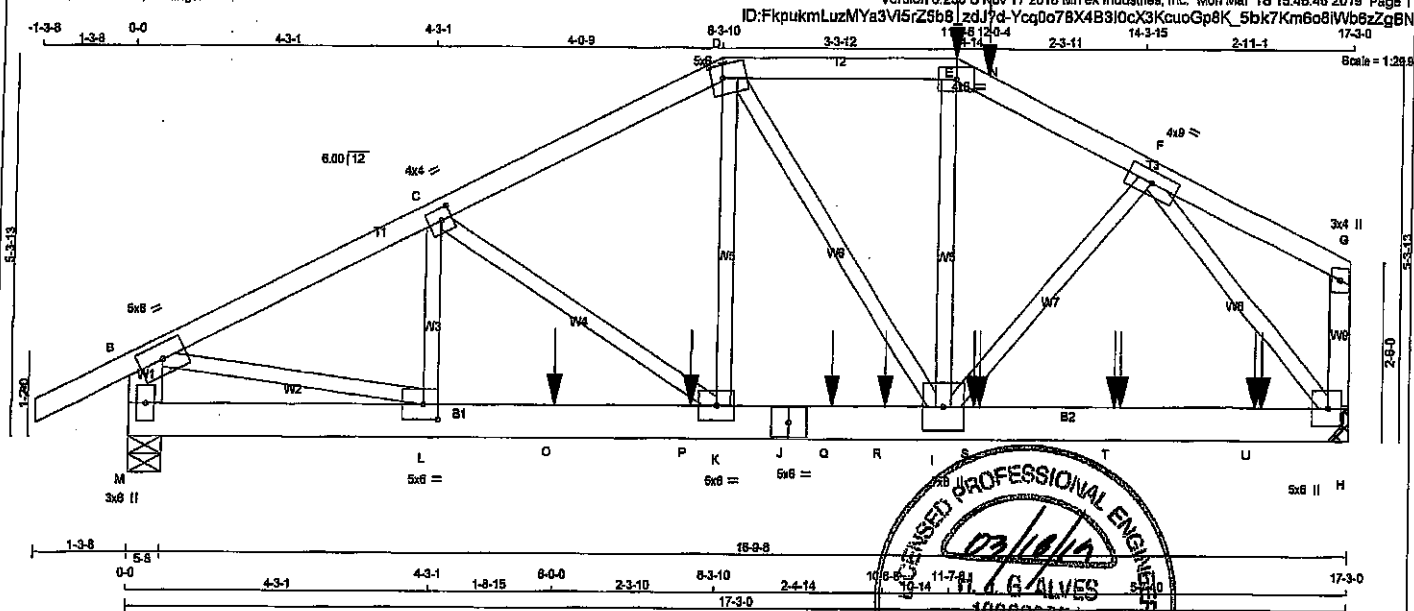
USI GRIP= 0.82 (B) (INPUT = 0.90)
USI METAL= 0.28 (B) (INPUT = 1.00)



DRWG NO. TAM 11905440
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T72	1	3	TRUSS DESC.		

Tamarack Roof Truss, Burlington



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - E	2x4	DRY	No.2	SPF		
E - G	2x4	DRY	No.2	SPF		
M - B	2x6	DRY	No.2	SPF		
H - G	2x4	DRY	No.2	SPF		
M - J	2x6	DRY	No.2	SPF		
J - H	2x6	DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A - D	12	TOP
D - E	12	SIDE(91.5)
E - G	12	SIDE(91.5)
H - G	12	TOP
M - B	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M - J	12	SIDE(780.8)
J - H	11	SIDE(493.2)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	5.0	8.0	
C	TMVW-1	MT20	4.0	4.0	2.00 1.75
D	TTVW-m	MT20	5.0	6.0	2.25 2.00
E	TTVW	MT20	4.0	8.0	
F	TMVW-1	MT20	4.0	9.0	
G	TMVW-p	MT20	3.0	4.0	
H	BMVW1+p	MT20	5.0	6.0	3.00 2.25
I	BMVWVW1+p	MT20	7.0	8.0	
J	BS-1	MT20	5.0	6.0	
K	BMVW-1	MT20	5.0	6.0	
L	BMVW-1	MT20	5.0	8.0	2.50 2.50
M	BMV1+p	MT20	3.0	6.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	DOWN	UP	IN-SX
M	4422	0	4422	0
H	6187	0	6187	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 3-8.

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL
M	3104 2170 / 0 0 / 0 0 / 0 0 / 0 934 / 0 0 / 0
H	4342 3042 / 0 0 / 0 0 / 0 0 / 0 1300 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.44 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CSI (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO					FR-TO		
A-B	0 / 31	-102.1	-102.1	0.04 (1)	L-C	0 / 132	0.01 (4)
B-C	-8778 / 0	-102.1	-102.1	0.15 (1)	K-C	-644 / 0	0.09 (1)
C-D	-8223 / 0	-102.1	-102.1	0.13 (1)	K-D	0 / 2694	0.20 (1)
D-E	-5442 / 0	-102.1	-102.1	0.10 (1)	D-I	-298 / 0	0.08 (1)
E-N	-8039 / 0	-102.1	-102.1	0.09 (1)	I-E	0 / 2046	0.15 (1)
N-F	-8038 / 0	-102.1	-102.1	0.09 (1)	I-F	0 / 2360	0.18 (1)
F-G	0 / 5	-102.1	-102.1	0.04 (1)	B-L	0 / 6176	0.46 (1)
M-B	-4468 / 0	0.0	0.0	0.10 (1)	F-H	-8221 / 0	0.85 (1)
H-G	-133 / 0	0.0	0.0	0.01 (1)			
M-L	0 / 0	-18.5	-18.5	0.08 (1)			
L-O	0 / 6076	-18.5	-18.5	0.59 (1)			
O-P	0 / 6076	-18.5	-18.5	0.59 (1)			
P-K	0 / 6076	-18.5	-18.5	0.59 (1)			
K-J	0 / 5805	-18.5	-18.5	0.59 (1)			
J-Q	0 / 5805	-18.5	-18.5	0.59 (1)			
Q-R	0 / 5805	-18.5	-18.5	0.59 (1)			
R-I	0 / 5805	-18.5	-18.5	0.59 (1)			
I-S	0 / 3893	-18.5	-18.5	0.53 (1)			
S-T	0 / 3893	-18.5	-18.5	0.53 (1)			
T-U	0 / 3893	-18.5	-18.5	0.53 (1)			
U-H	0 / 3893	-18.5	-18.5	0.53 (1)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
E	11-7.5	-45	-50	FRONT	VERT	DEAD		
E	11-7.6	-270	-270	FRONT	VERT	SNOW		
N	12-0.4	-62	-62	FRONT	VERT	TOTAL		
O	6-0.0	-1787	-1787	BACK	VERT	TOTAL		
P	7-11.4	-1120	-1120	BACK	VERT	TOTAL		
Q	8-11.4	-1120	-1120	BACK	VERT	TOTAL		
R	10-8.8	-572	-572	FRONT	VERT	TOTAL		
S	11-11.4	-1120	-1120	FRONT	VERT	TOTAL		
S	12-0.4	-15	-15	FRONT	VERT	TOTAL		
T	13-11.4	-1120	-1120	BACK	VERT	TOTAL		
T	14-0.4	-15	-15	FRONT	VERT	TOTAL		

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
SECONDARY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL = 29.0	PSF
DL = 6.0	PSF	
BOT CH.	LL = 0.0	PSF
DL = 7.4	PSF	
TOTAL LOAD	= 42.4	PSF

SPACING = 24.0 IN. CIG

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

*** NON STANDARD GIRDER ***

ADD'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.57")
CALCULATED VERT. DEFL.(LL) = U/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.57")
CALCULATED VERT. DEFL.(TL) = U/999 (0.12")

CSI: TC=0.15/1.00 (B-C-1), BC=0.58/1.00 (I-K-1), WB=0.65/1.00 (F-H-1), SS=0.46/1.00 (H-I-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
MT20	618	354	1887 788 1887 1886

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.79 (L) (INPUT = 0.80)
JSI METAL= 0.51 (L) (INPUT = 1.00)

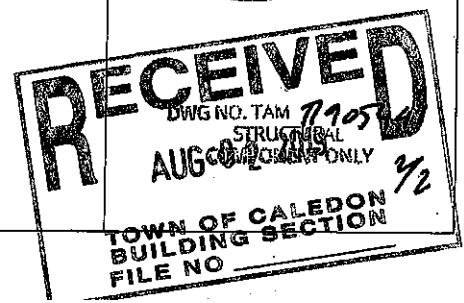
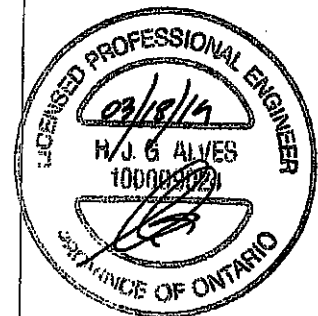
CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T72	1	3	TRUSS DESC.		

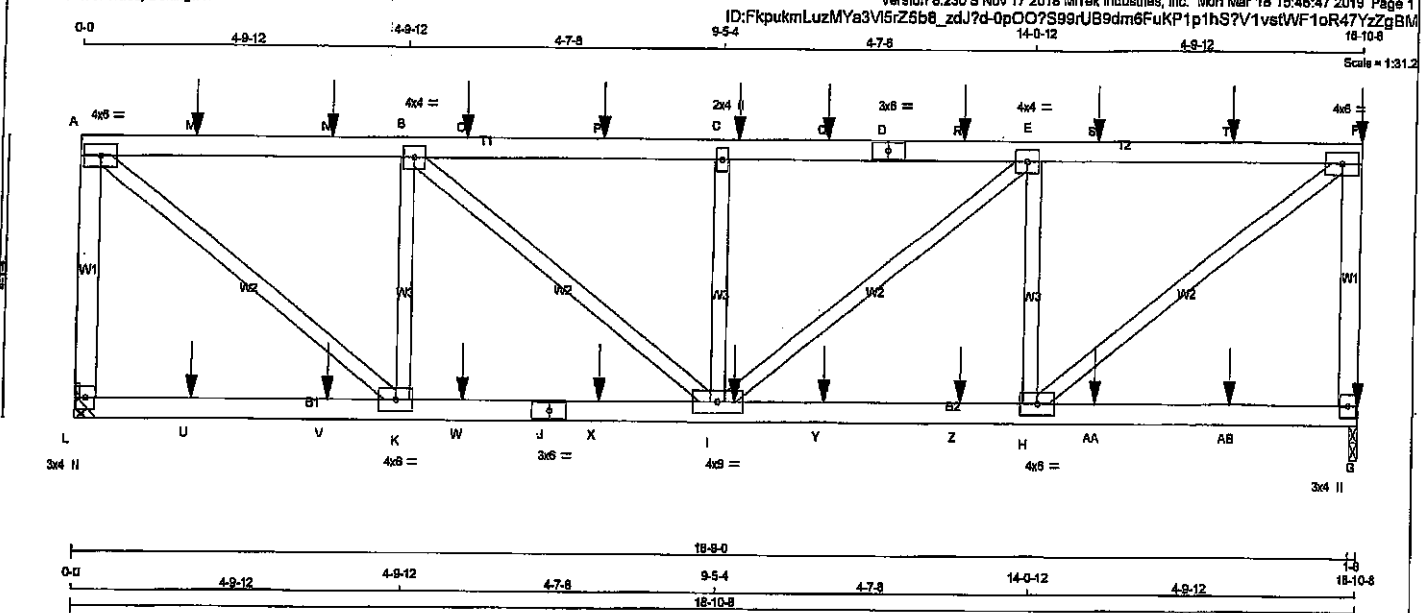
Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:46 2019 Page 2
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FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	15-11-4	-1120	-1120	—	BACK	VERT	TOTAL	—	—
U	16-0-4	-15	-15	—	FRONT	VERT	TOTAL	—	—



JOB NAME 401794	TRUSS NAME T73	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:47 2019 Page 1			
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LUMBER					
N. L. G. A. RULES					
CHORDS		SIZE	LUMBER	DESCR.	
L - A	2x4	DRY	No.2	SPF	
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
L - J	2x4	DRY	No.2	SPF	
J - G	2x4	DRY	No.2	SPF	
ALL WEBS		2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER					

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(0.0)
D-F	12	SIDE(0.1)
F-G	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(0.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMWV-1	MT20	4.0	6.0		
B TMWV-1	MT20	4.0	4.0		
C TMWV-1	MT20	2.0	4.0		
D TS-1	MT20	3.0	6.0		
E TMWV-1	MT20	4.0	4.0		
F TMWV-1	MT20	4.0	6.0		
G BMV1-p	MT20	3.0	4.0		
H BMWV-1	MT20	4.0	6.0		
I BMWVW-1	MT20	4.0	9.0		
J BS-1	MT20	3.0	6.0		
K BMWV-1	MT20	4.0	6.0		
L BMV1-p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	DOWN	GROSS REACTION	DOWN		
JT	VERT	HORZ	VERT	HORZ	BRG	BRG
L	1815	0	1815	0	0	0
G	1999	0	1999	0	1-8	1-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT L. MINIMUM BEARING LENGTH AT JOINT L = 3-8.

UNFACTORED REACTIONS

JT	1ST LOASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1279	865 / 0	0 / 0	0 / 0	0 / 0	414 / 0	0 / 0
G	1409	952 / 0	0 / 0	0 / 0	0 / 0	457 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD	LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
R-TO		FROM	TO			FR-TO			
A	-1760 / 0	0.0	0.0	0.24 (1)	7.81	H-F	0 / 2393	0.30 (1)	
M	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94	A-K	0 / 2394	0.30 (1)	
N	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94	H-E	-1317 / 0	0.18 (1)	
B	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94	K-B	-1317 / 0	0.18 (1)	
O	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39	I-E	0 / 684	0.08 (1)	
P	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39	B-I	0 / 684	0.08 (1)	
C	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39	I-C	-730 / 0	0.10 (1)	
Q	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39				
R	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39				
D	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39				
E	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39				
S	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94				
T	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94				
F	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94				
F	-1913 / 0	0.0	0.0	0.26 (1)	7.81				
U	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
V	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
K	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
W	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
J	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
X	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
I	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
Y	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
Z	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
H	0 / 1878	-18.5	-18.5	0.21 (1)	10.00				
AA	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
AB	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
G	0 / 0	-18.5	-18.5	0.09 (4)	10.00				

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FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	9-8-4	-123	-123	—	BACK	VERT	—	—
F	18-10-8	-161	-161	—	BACK	VERT	—	—
G	18-10-8	-33	-33	—	BACK	VERT	—	—
I	9-8-4	-28	-28	—	BACK	VERT	—	—

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN./C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018 ; OSC 2012
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.83")
CALCULATED VERT. DEFL.(LL) = L/889 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.83")
CALCULATED VERT. DEFL.(TL) = L/898 (0.08")

CSI: TC=0.33/1.00 (C-E-1), BC=0.21/1.00 (K-K-1), WB=0.30/1.00 (A-K-1), SSI=0.20/1.00 (E-F-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

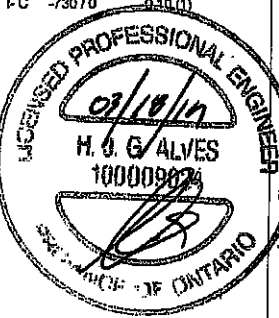
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
M20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SSI GRIP= 0.75 (F) (INPUT = 0.90)

SSI METAL= 0.32 (J) (INPUT = 1.00)

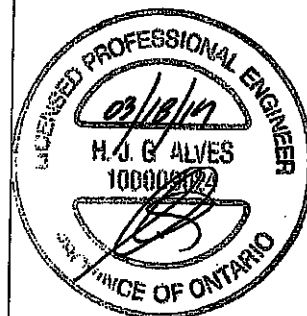


DRWG NO. TAM 7905442
STRUCTURAL
COMPONENT ONLY
1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T73	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
M	1-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
N	3-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
O	5-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
P	7-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
Q	11-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
R	13-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
S	15-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
T	17-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
U	1-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
V	3-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
W	5-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
X	7-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
Y	11-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
Z	13-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
AA	15-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
AB	17-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---



DWG NO. TAM 71905442
STRUCTURAL
COMPONENT ONLY

3/2

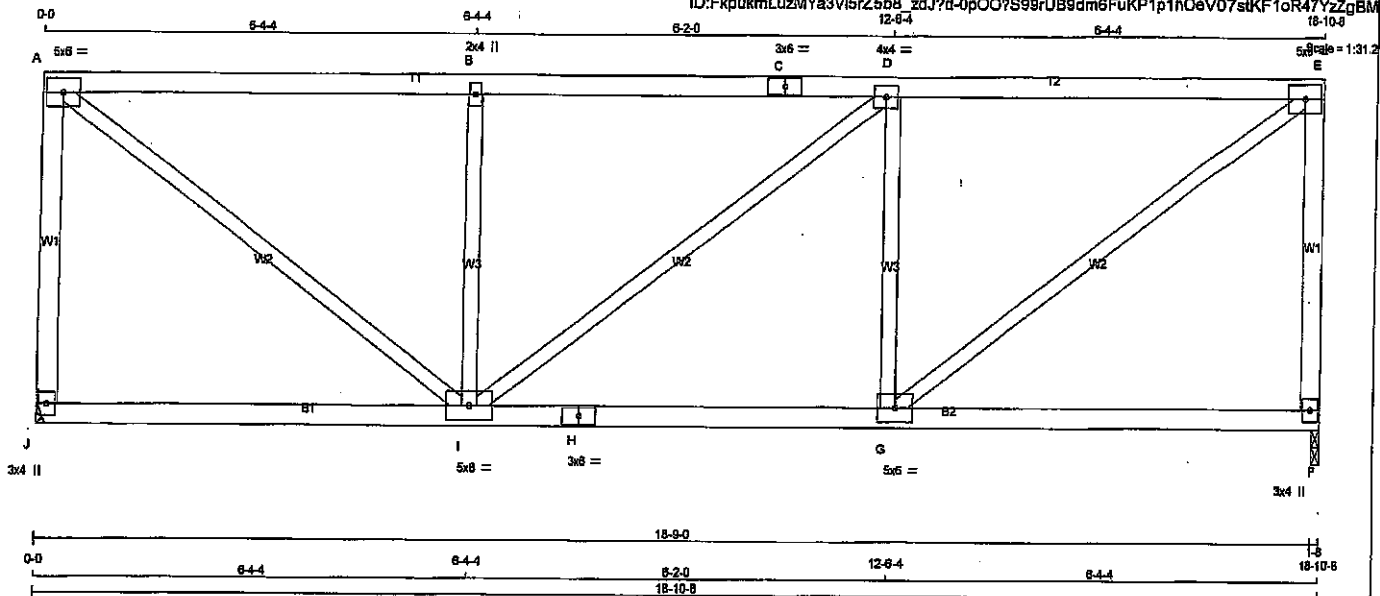
JOB NAME	TRUSS NAME	QUANTITY	FLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T74	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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18-10-8



TOTAL WEIGHT = 79 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

J - A 2x4 DRY No.2

A - C 2x4 DRY No.2

C - E 2x4 DRY No.2

F - E 2x4 DRY No.2

J - H 2x4 DRY No.2

H - F 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

BUILDING DESIGNER

BEARINGS

FACTORED MAXIMUM FACTORED INPUT REORD

GROSS REACTION GROSS REACTION BRG BRG

JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX

F 1138 0 1138 0 0 MECHANICAL

F 1138 0 1138 0 0 1-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM

BEARING LENGTH AT JOINT J = 1-8.

UNFACTORED REACTIONS

1ST CASE MAX./MIN. COMPONENT REACTIONS

JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL

J 801 548 / 0 0 / 0 0 / 0 253 / 0 0 / 0

F 801 548 / 0 0 / 0 0 / 0 253 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.12 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY

APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. MAX. FACTORED FORCE (LBS)

FACTORED VERT. LOAD (PLF) MAX. UNBRACED LENGTH

FR-TO FROM TO

J-A -1089 / 0 0.0 0.0 0.48 (1) 7.57

A-B -1089 / 0 -102.1 -102.1 0.60 (1) 5.14

B-C -1089 / 0 -102.1 -102.1 0.60 (1) 5.13

C-D -1089 / 0 -102.1 -102.1 0.60 (1) 5.13

D-E -1089 / 0 -102.1 -102.1 0.61 (1) 5.12

F-E -1089 / 0 0.0 0.0 0.48 (1) 7.57

J-I 0 / 0 -18.5 -18.5 0.16 (4) 10.00

I-H 0 / 1082 -18.5 -18.5 0.28 (1) 10.00

H-G 0 / 1082 -18.5 -18.5 0.28 (1) 10.00

G-F 0 / 0 -18.5 -18.5 0.16 (4) 10.00

WEBS

MEMB. MAX. FACTORED FORCE (LBS)

MAX. UNBRACED LENGTH

FR-TO FROM TO

G-E 0 / 1370 0.31 (1)

A-I 0 / 1368 0.31 (1)

G-D -701 / 0 0.27 (1)

I-B -700 / 0 0.27 (1)

I-D -2 / 0 0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A

SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL

OR SMALL BUILDING REQUIREMENTS OF

PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012

- CSA 086-09, CSA 086-14

- TPC 2011, TPC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F.

RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED

ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.63")

CALCULATED VERT. DEFL.(LL) = L/999 (0.04")

ALLOWABLE DEFL.(TL) = L/360 (0.63")

CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.61/1.00 (D-E:1), BC=0.28/1.00 (G-I:1),

WB=0.31/1.00 (E-G:1), SS=0.30/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN

THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 786 1987 1656

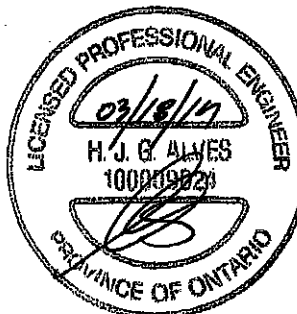
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

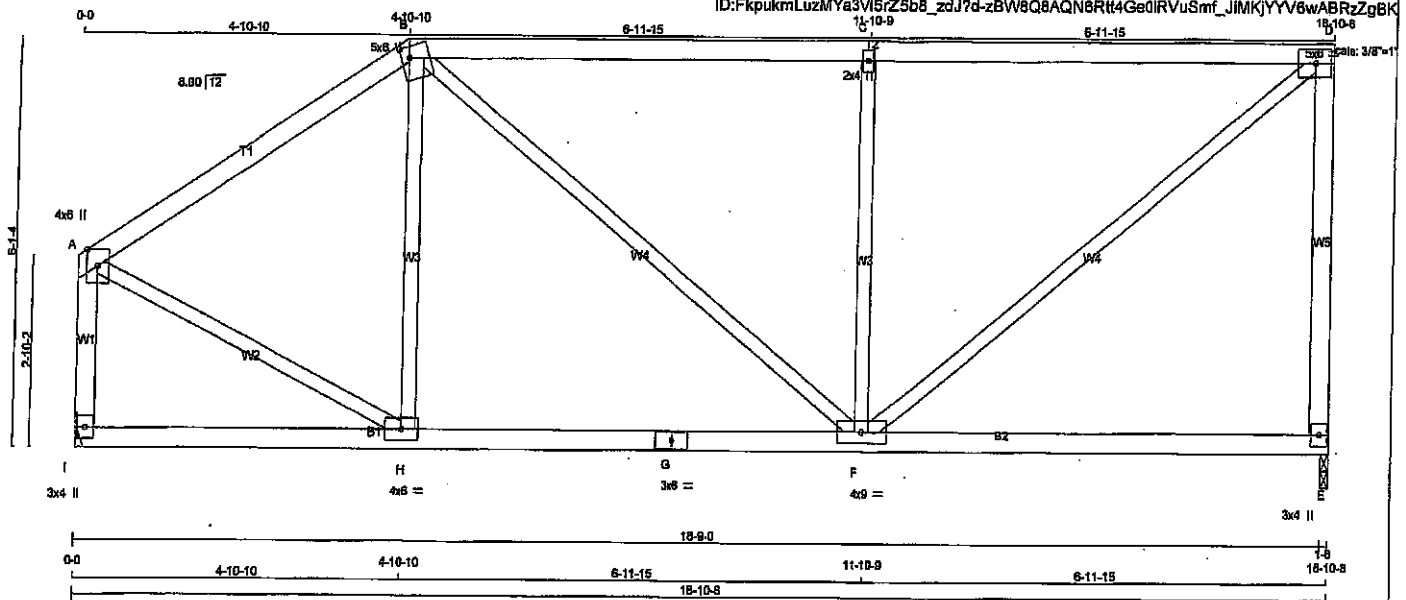
JSI GRIP= 0.72 (I) (INPUT = 0.90)

JSI METAL= 0.32 (H) (INPUT = 1.00)

DRWG NO. TAM 17905443
STRUCTURAL
COMPONENT ONLY



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T75	1	1	TRUSS DESC.		



TOTAL WEIGHT = 81 lb

LUMBER	N. L. G. A. RULES	SIZE	DRY	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF	
B - D	2x4	DRY	No.2	SPF	
E - D	2x4	DRY	No.2	SPF	
I - A	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge	
B	TTWW+m	MT20	5.0	6.0	2.00	1.50
C	TMVW-w	MT20	2.0	4.0		
D	TMVW-l	MT20	5.0	6.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVWV-t	MT20	4.0	9.0		
G	BS-l	MT20	3.0	6.0		
H	BMVW-l	MT20	4.0	6.0		
I	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
E	1138	0	1138	0
I	1138	0	1138	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT I. MINIMUM BEARING LENGTH AT JOINT I = 1-8.

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN COMPONENT REACTIONS	2ND CASE	MAX/MIN COMPONENT REACTIONS
	COMBINED	SNOW	LIVE	PERM.LIVE
E	801	548 / 0	0 / 0	0 / 0
I	801	548 / 0	0 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 4.17 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLP)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	-875 / 0	-102.1 -102.1 0.45 (1)	H-B	-250 / 12
B-C	-984 / 0	-102.1 -102.1 0.83 (1)	B-F	0 / 340
C-D	-984 / 0	-102.1 -102.1 0.84 (1)	F-C	-887 / 0
E-D	-1085 / 0	0.0 0.0 0.78 (1)	F-D	0 / 1276
I-A	-1104 / 0	0.0 0.0 0.17 (1)	A-H	0 / 814
I-H	0 / 0	-18.5 -18.5 0.14 (4)		
H-G	0 / 722	-18.5 -18.5 0.28 (4)		
G-F	0 / 722	-18.5 -18.5 0.28 (4)		
F-E	0 / 0	-18.5 -18.5 0.22 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN/GC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.94/1.00 (C-D:1), BC=0.28/1.00 (F-H:4), WB=0.52/1.00 (C-F:1), CSI=0.35/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

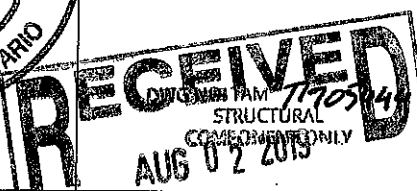
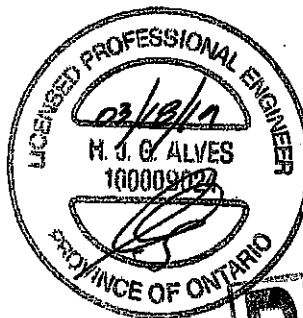
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 384 1667 788 1987 1665

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (F) (INPUT = 0.90)
JSI METAL= 0.47 (A) (INPUT = 1.00)

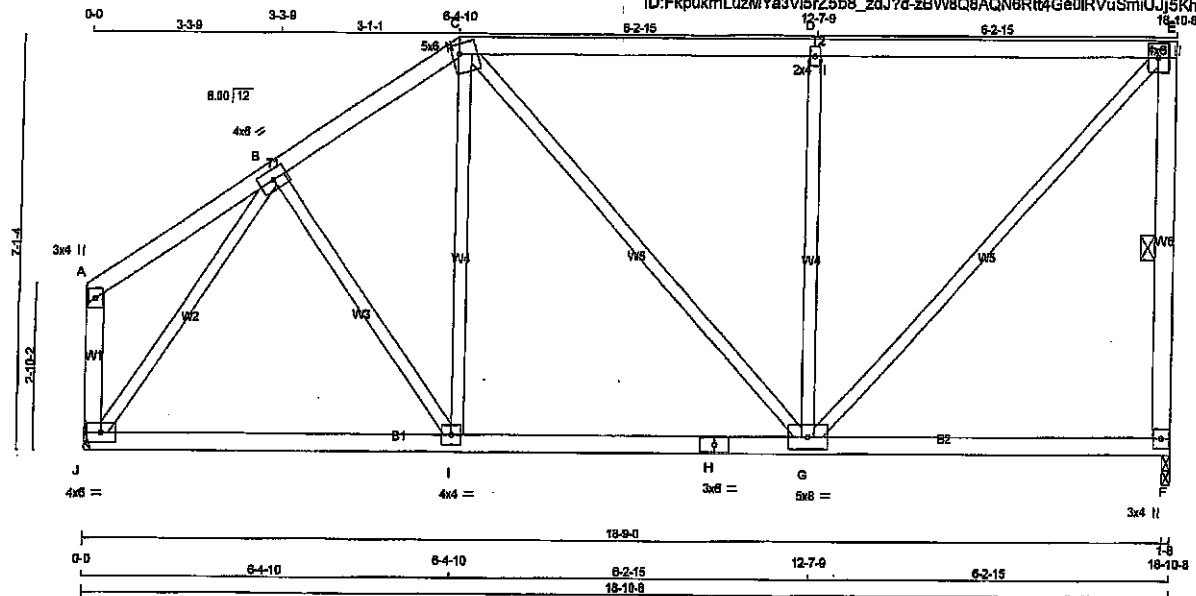


TOWN OF CALEDON BUILDING SECTION

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T76	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32

TOTAL WEIGHT = 88 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
J - A	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	
H - F	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0		
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWV-t	MT20	5.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BUILDING DESIGNER							
<u>BEARINGS</u>							
	FACTORED		MAXIMUM FACTORED			INPUT	REQD
	GROSS REACTION		GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	1138	0	1138	0	0	1-8	1-8
J	1138	0	1138	0	0	MECHANICAL	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS					
		1ST LOOSE	SNOW	LIVE	PERM.LIVE	WIND	DEAD
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
J	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.46 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 20	-102.1	-102.1 0.16 (1)	10.00	B-I	0 / 98	0.02 (4)
B-C	-886 / 0	-102.1	-102.1 0.17 (1)	6.25	I-C	0 / 88	0.03 (4)
C-D	-780 / 0	-102.1	-102.1 0.71 (1)	5.46	C-G	0 / 81	0.02 (1)
D-E	-781 / 0	-102.1	-102.1 0.71 (1)	5.46	G-D	-791 / 0	0.89 (1)
E-F	-1089 / 0	0.0	0.0 0.25 (1)	6.05	G-E	0 / 1151	0.26 (1)
J-A	-128 / 0	0.0	0.0 0.02 (1)	7.81	J-B	-1167 / 0	0.81 (1)
J-I	0 / 652	-18.5	-18.5 0.22 (4)	10.00			
I-H	0 / 719	-18.5	-18.5 0.23 (4)	10.00			
H-G	0 / 719	-18.5	-18.5 0.23 (4)	10.00			
G-F	0 / 0	-18.5	-18.5 0.16 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.07")

CSI: TC=0.71/1.00 (D-E:1), BC=0.23/1.00 (G-I:4), WB=0.89/1.00 (D-G:1), SSI=0.31/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

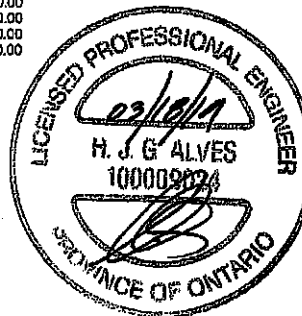
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

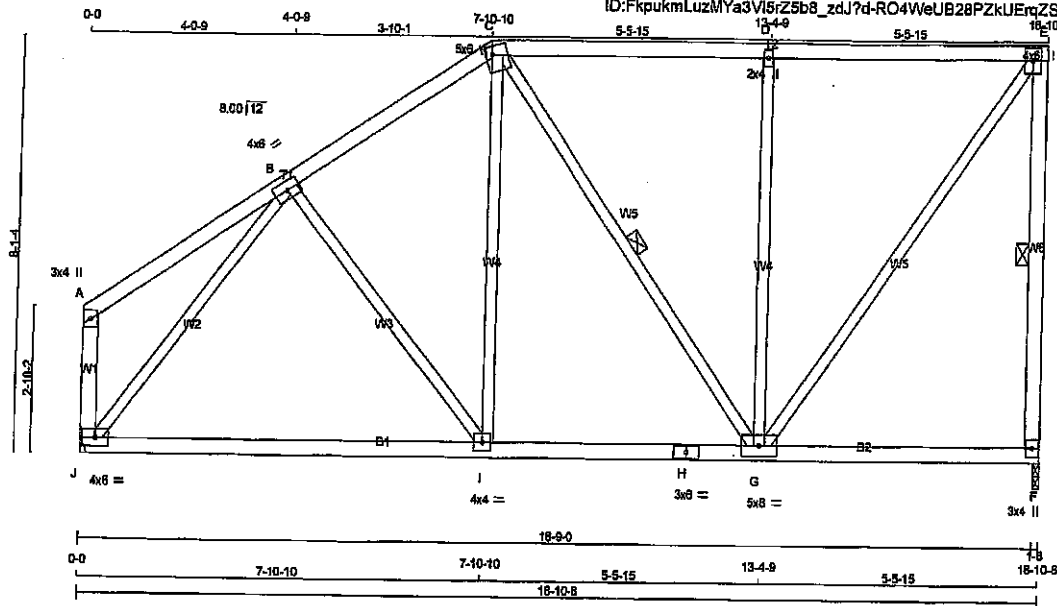
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (J) (INPUT = 0.90)
JSI METAL= 0.35 (E) (INPUT = 1.00)



DRWG NO. TAM 11905445
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T77	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 84 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
J - A	2x4	DRY	No.2
J - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2

ALL WEBS 2x3 DRY EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-1	MT20	4.0	6.0		
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TMV+w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-1	MT20	5.0	6.0		
H	BS-1	MT20	3.0	6.0		
I	BMVW-1	MT20	4.0	6.0		
J	BMVW-1	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
F	1138	0	1138	0
J	1138	0	1138	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
J	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 26	-102.1 -102.1	0.26 (1)	10.00	B-I	-41 / 38	0.03 (1)
B-C	-847 / 0	-102.1 -102.1	0.27 (1)	6.25	I-C	0 / 181	0.05 (4)
C-D	-622 / 0	-102.1 -102.1	0.53 (1)	6.25	C-G	-108 / 0	0.07 (1)
D-E	-822 / 0	-102.1 -102.1	0.53 (1)	6.25	G-D	-895 / 0	0.88 (1)
E-F	-1093 / 0	0.0 0.0	0.32 (1)	6.05	G-E	0 / 1076	0.24 (1)
J-A	-155 / 0	0.0 0.0	0.02 (1)	7.81	J-B	-1162 / 0	0.85 (1)
J-I	0 / 707	-18.5 -18.5	0.29 (4)	10.00			
I-H	0 / 684	-18.5 -18.5	0.30 (4)	10.00			
H-G	0 / 684	-18.5 -18.5	0.30 (4)	10.00			
G-F	0 / 0	-18.5 -18.5	0.12 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.63")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.63")
CALCULATED VERT. DEFL. (TL) = L/999 (0.13")

CSI: TC=0.53/1.00 (D-E-1), BC=0.39/1.00 (G-I-4), WB=0.88/1.00 (D-G-1), SSI=0.27/1.00 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

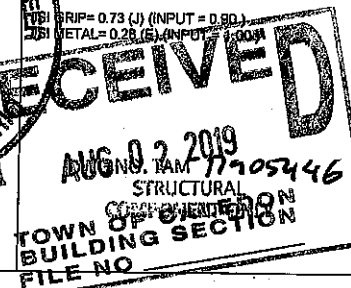
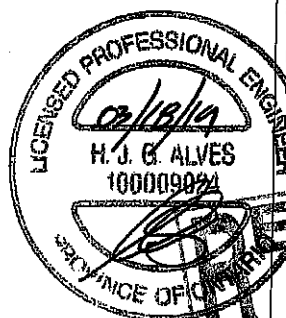
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354

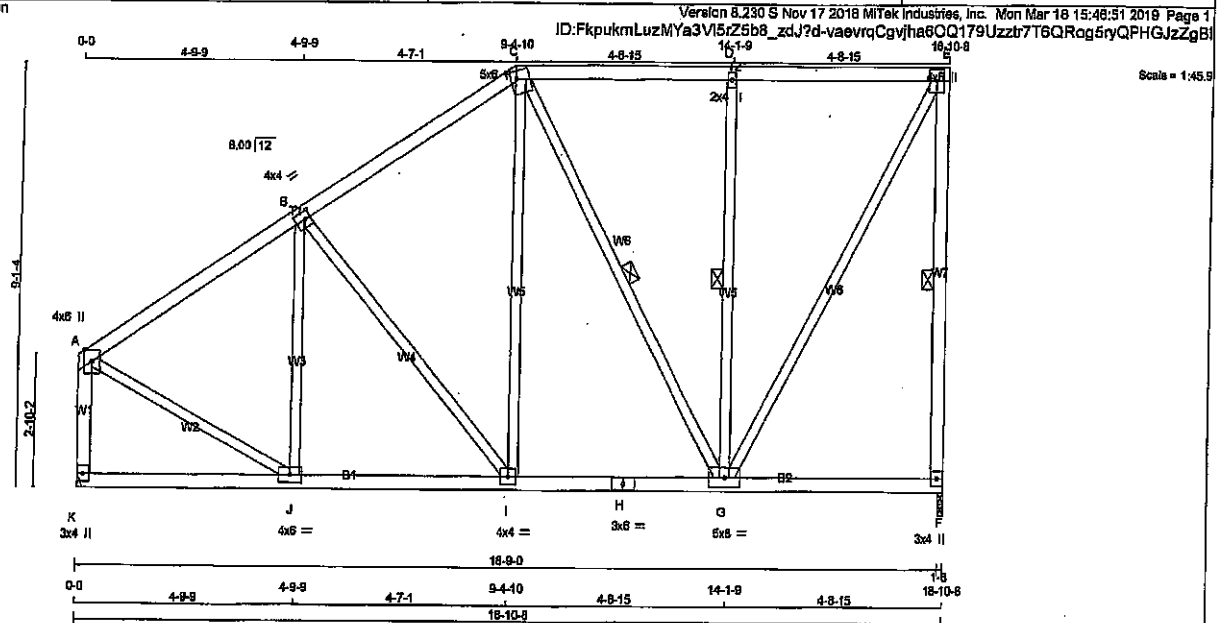
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

TRUSS GRIP = 0.73 (J) (INPUT = 0.90)
TRUSS METAL = 0.25 (S) (INPUT = 0.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T78	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 102 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW+w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-t	MT20	5.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVWW-t	MT20	4.0	4.0		
J	BMVWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edges - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	UPLIFT	IN-SX
F	1138	0	1138	0
K	1138	0	1138	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT K. MINIMUM BEARING LENGTH AT JOINT K = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
K	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO	FR-TO			
A-B	-889 / 0	-102.1 -102.1 0.41 (1)	5.93	J-B	-305 / 0	0.17 (1)
B-C	-788 / 0	-102.1 -102.1 0.40 (1)	6.25	B-I	-245 / 0	0.28 (1)
C-D	-498 / 0	-102.1 -102.1 0.38 (1)	6.25	I-C	0 / 271	0.06 (1)
D-E	-498 / 0	-102.1 -102.1 0.38 (1)	6.25	C-G	-249 / 0	0.18 (1)
E-F	-1101 / 0	0.0 0.0 0.42 (1)	6.03	G-D	-588 / 0	0.32 (1)
K-A	-1102 / 0	0.0 0.0 0.17 (1)	7.54	G-E	0 / 1040	0.23 (1)
				A-J	0 / 866	0.19 (1)
K-J	0 / 0	-18.5 -18.5 0.10 (4)	10.00			
J-I	0 / 788	-18.5 -18.5 0.17 (1)	10.00			
I-H	0 / 614	-18.5 -18.5 0.15 (4)	10.00			
H-G	0 / 614	-18.5 -18.5 0.15 (4)	10.00			
G-F	0 / 0	-18.5 -18.5 0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
DL	=	6.0	PSF	
BOT CH.	LL	=	0.0	PSF
DL	=	7.4	PSF	
TOTAL LOAD	=	42.4	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.80/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.63")
CALCULATED VERT. DEFL.(LL) = $L/889$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.63")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSI: TC=0.42/1.00 (E-F:1), BC=0.17/1.00 (I-J:1), WB=0.32/1.00 (D-G:1), SS=0.24/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

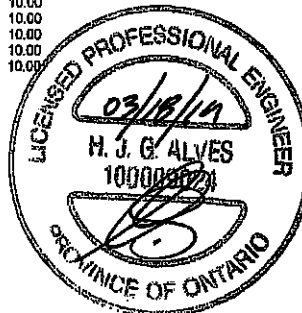
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
818	354	1667
788	1987	1665

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.80)
JSI METAL= 0.47 (A) (INPUT = 1.00)

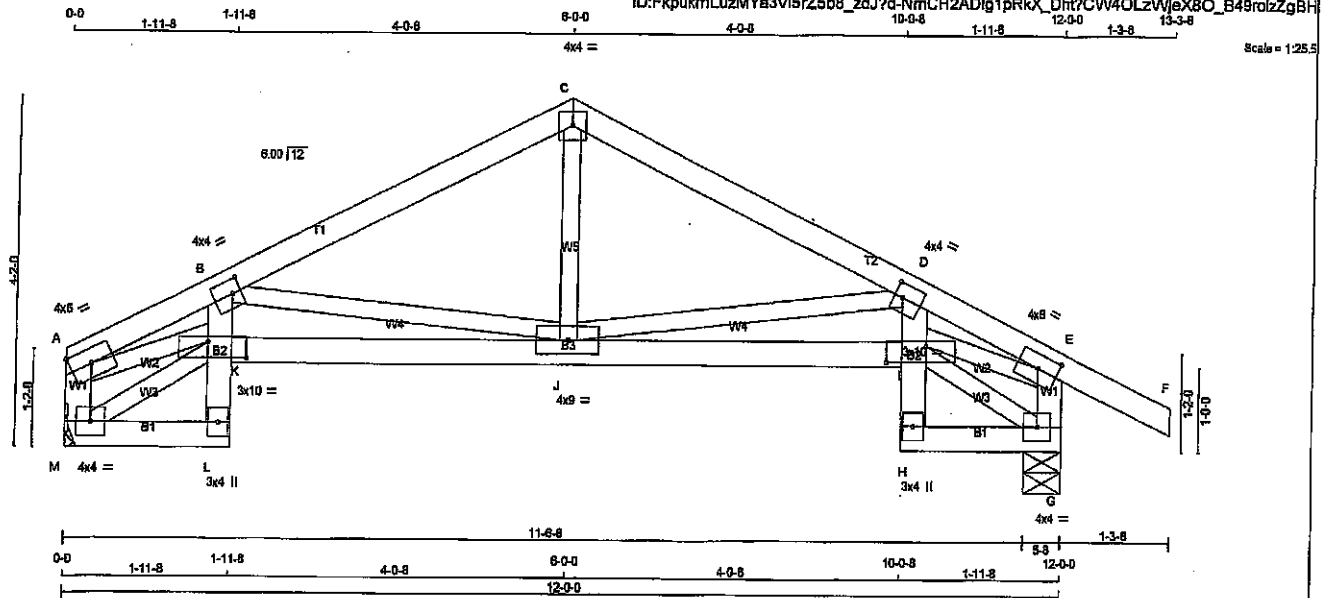


DRWG NO. TARI 770547
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T79S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 50 = 100 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
M - L	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
K - J	2x4	DRY	No.2	SPF
H - D	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	6.0		Edge
B	TMVW-t	MT20	4.0	4.0	2.00	1.25
C	TTW-p	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0	2.00	1.25
E	TMVW-t	MT20	4.0	6.0	2.00	3.00
G	BMVW1-t	MT20	4.0	4.0		
H	BMV-p	MT20	3.0	4.0		
I	BMVW1-t	MT20	3.0	10.0	2.25	5.75
J	BMVW1-t	MT20	4.0	9.0		
K	BMVW1-t	MT20	3.0	10.0	2.25	5.75
L	BMV-p	MT20	3.0	4.0		
M	BMVW1-t	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
M	716	0	0	MECHANICAL
G	870	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT M. MINIMUM BEARING LENGTH AT JOINT M = 1-8.

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
M	504	344 / 0	0 / 0	0 / 0	0 / 0	160 / 0	0 / 0
G	610	432 / 0	0 / 0	0 / 0	0 / 0	178 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.18 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	-1589 / 0	-102.1 -102.1	0.12 (1)	5.18	J-C	0 / 371	0.08 (1)
B-C	-858 / 0	-102.1 -102.1	0.24 (1)	6.25	J-D	-716 / 0	0.22 (1)
C-D	-855 / 0	-102.1 -102.1	0.25 (1)	6.25	B-J	-815 / 0	0.25 (1)
D-E	-1484 / 0	-102.1 -102.1	0.12 (1)	5.27	M-K	-125 / 0	0.02 (1)
E-F	0 / 31	-102.1 -102.1	0.13 (1)	10.00	A-K	0 / 1419	0.32 (1)
M-A	-838 / 0	0.0 0.0	0.06 (1)	7.81	I-G	-119 / 0	0.02 (1)
G-E	-795 / 0	0.0 0.0	0.08 (1)	7.81	I-E	0 / 1329	0.30 (1)
M-L	0 / 110	-18.5 -18.5	0.03 (1)	10.00			
L-K	0 / 19	0.0 0.0	0.15 (1)	10.00			
K-B	0 / 97	0.0 0.0	0.18 (1)	10.00			
K-J	0 / 1559	-18.5 -18.5	0.30 (1)	10.00			
J-I	0 / 1462	-18.5 -18.5	0.29 (1)	10.00			
H-I	0 / 19	0.0 0.0	0.15 (1)	10.00			
I-D	0 / 92	0.0 0.0	0.18 (1)	10.00			
H-G	0 / 105	-18.5 -18.5	0.03 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0	PSF
DL	6.0	PSF
BOT CH.	LL = 0.0	PSF
DL	7.4	PSF
TOTAL LOAD	42.4	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.40")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.40")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.07")

CSI: TC=0.25/1.00 (G-D:1), BC=0.30/1.00 (J-K:1), WB=0.32/1.00 (A-K:1), SS=0.16/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

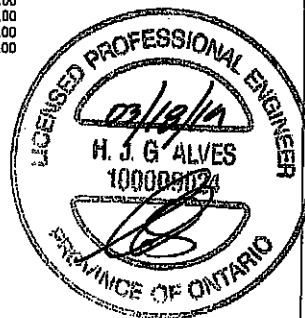
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP=0.88 (B) (INPUT = 0.90)
ISI METAL=0.44 (K) (INPUT = 1.00)



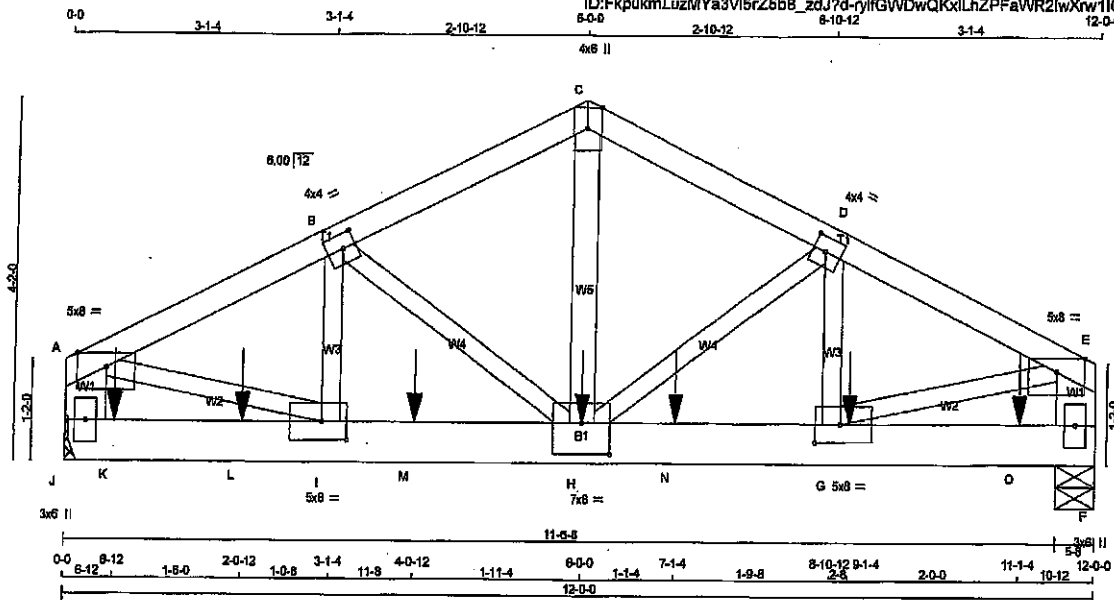
DWG NO. TAM 71905448
STRUCTURAL
CONSULTANT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T80	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 56 = 112 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
J - A	2x6	DRY	No.2	SPF		
F - E	2x6	DRY	No.2	SPF		
J - F	2x6	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
H - C	2x4	DRY	No.2	SPF		

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 1 12	TOP	
C-E 1 12	TOP	
J-A 3 2	SIDE(93.0)	
F-E 3 2	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
J-F 2 12	SIDE(183.1)	
WEBS : (0.122"x3") SPIRAL NAILS		
D-G 1 6	SIDE(15.1)	
2x3 1 6		
H-C 1 6	SIDE(272.9)	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge
B	TMVW-w	MT20	4.0	4.0	2.00 1.75
C	TTW+p	MT20	4.0	8.0	Edge
D	TMVW-w	MT20	4.0	4.0	2.00 1.75
E	TMVW-p	MT20	5.0	8.0	Edge
F	BMV1+p	MT20	3.0	6.0	
G	BMVW-w	MT20	5.0	8.0	2.50 3.50
H	BMVW-w	MT20	7.0	8.0	4.25 4.00
I	BMVW-w	MT20	5.0	8.0	2.50 3.50
J	BMV1+p	MT20	3.0	6.0	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
J	4740	0	4740	0
F	3902	0	3902	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 2-9.

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED
J	3326 2329 / 0
F	2733 1943 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.14 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO			FR-TO		
A-B	-5142 / 0	-102.1 -102.1	0.18 (1)	4.14	H-C	0 / 3688	0.32 (1)
B-C	-4321 / 0	-102.1 -102.1	0.14 (1)	4.49	H-D	-492 / 0	0.08 (1)
C-D	-4322 / 0	-102.1 -102.1	0.13 (1)	4.50	G-D	0 / 171	0.02 (1)
D-E	-4741 / 0	-102.1 -102.1	0.18 (1)	4.30	H-H	-950 / 0	0.12 (1)
J-A	-3600 / 0	0.0 0.0	0.13 (1)	7.40	I-B	0 / 642	0.08 (1)
F-E	-3329 / 0	0.0 0.0	0.12 (1)	7.62	A-I	0 / 4742	0.59 (1)
J-K	0 / 0	-18.5 -18.5	0.27 (1)	10.00	G-E	0 / 375	0.54 (1)
K-L	0 / 0	-18.5 -18.5	0.27 (1)	10.00			
L-I	0 / 0	-18.5 -18.5	0.27 (1)	10.00			
I-M	0 / 4802	-18.5 -18.5	0.44 (1)	10.00			
M-H	0 / 4802	-18.5 -18.5	0.44 (1)	10.00			
H-N	0 / 4245	-18.5 -18.5	0.42 (1)	10.00			
N-G	0 / 4245	-18.5 -18.5	0.42 (1)	10.00			
G-O	0 / 0	-18.5 -18.5	0.19 (1)	10.00			
O-F	0 / 0	-18.5 -18.5	0.19 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	REQD	COM.
G	9-1-4	-760	-760	-	BACK	VERT	TOTAL		
H	6-0-0	-1748	-1748	-	BACK	VERT	TOTAL		
K	6-12	-1058	-1058	-	BACK	VERT	TOTAL		
L	2-0-12	-1054	-1054	-	BACK	VERT	TOTAL		
M	4-0-12	-1054	-1054	-	BACK	VERT	TOTAL		
N	7-1-4	-760	-760	-	BACK	VERT	TOTAL		
O	11-1-4	-761	-761	-	BACK	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.40")
CALCULATED VERT. DEFL. (LL) = L/899 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.40")
CALCULATED VERT. DEFL. (TL) = L/899 (0.07")

CSI: TC=0.18/1.00 (A-B-1), BC=0.44/1.00 (H-I-1), WB=0.59/1.00 (A-I-1), SS=0.38/1.00 (I-J-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

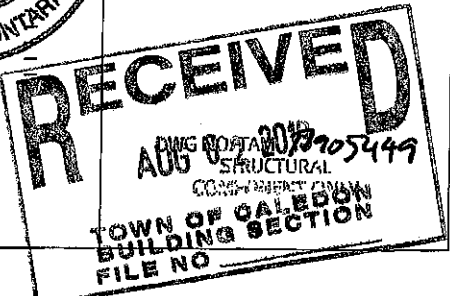
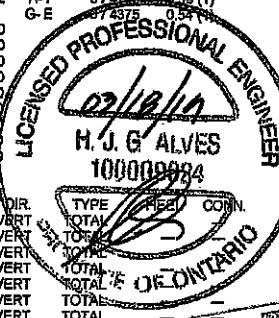
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLJ) (PLJ)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1967 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

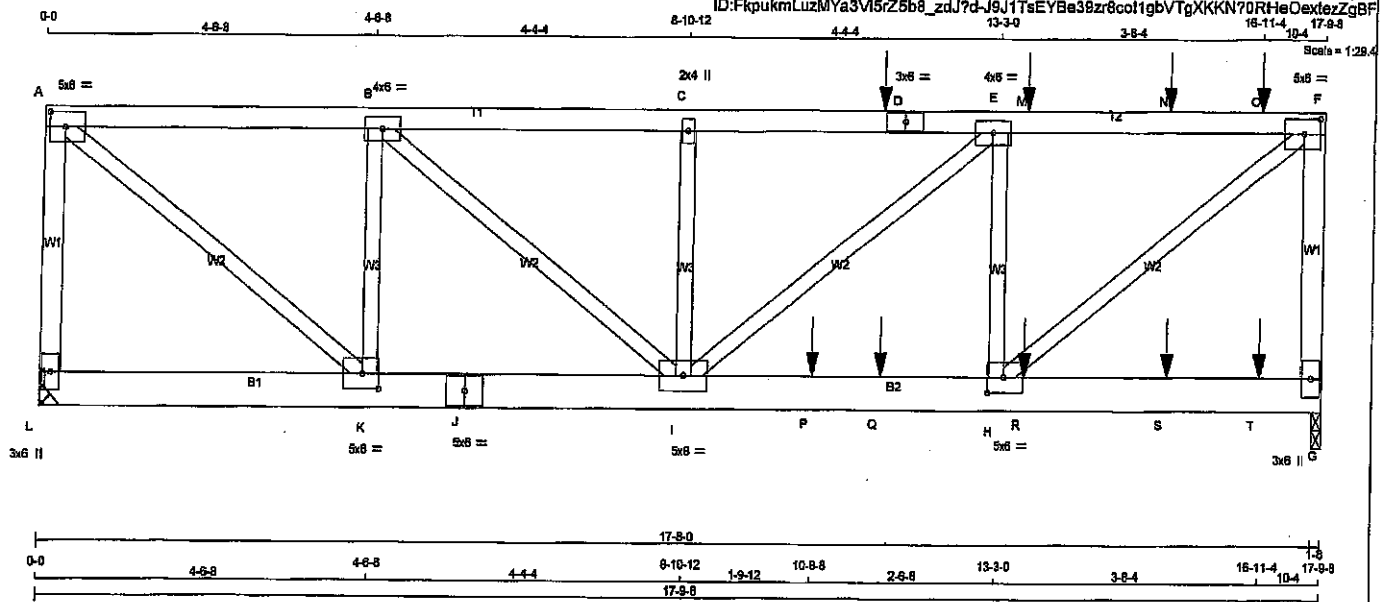
JSI GRIP= 0.78 (H) (INPUT = 0.80)
JSI METAL= 0.43 (I) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T81	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 85 = 171 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
L - A	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - J	2x6	DRY	No.2
J - G	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(0.0)
D-F	12	SIDE(0.0)
F-G	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-J	12	TOP
J-G	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0	2.50 2.75
B	TMVW-1	MT20	4.0	6.0	
C	TMVW-1	MT20	2.0	4.0	
D	TS-1	MT20	3.0	6.0	
E	TMVW-1	MT20	4.0	6.0	
F	TMVW-1	MT20	5.0	6.0	2.50 2.75
G	BMV1+p	MT20	3.0	6.0	
H	BMVW-1	MT20	5.0	6.0	2.50 2.75
I	BMVWV-1	MT20	5.0	8.0	
J	BS-1	MT20	5.0	6.0	
K	BMVW-1	MT20	5.0	8.0	2.50 2.75
L	BMV1+p	MT20	3.0	6.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
L	1766	0	1766	0	0	0
G	2450	0	2450	0	1-8	1-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT L. MINIMUM BEARING LENGTH AT JOINT L = 3-8.

UNFACTORED REACTIONS

JT	1ST CASE: MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
L	1240	865 / 0	0 / 0	0 / 0	0 / 0	375 / 0
G	1721	1198 / 0	0 / 0	0 / 0	0 / 0	523 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.93 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED		MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
			VERT. LOAD (PLF)	LC1 MAX. CSI (LC)				
L-A	-1700 / 0	0.0	0.0	0.21 (1)	7.81	H-F	0 / 3336	0.41 (1)
A-B	-1844 / 0	-102.1	-102.1	0.18 (1)	5.20	A-K	0 / 2386	0.30 (1)
B-C	-3079 / 0	-102.1	-102.1	0.20 (1)	5.07	H-E	-1293 / 0	0.16 (1)
C-D	-3079 / 0	-102.1	-102.1	0.31 (1)	4.93	K-B	-1592 / 0	0.20 (1)
D-E	-3079 / 0	-102.1	-102.1	0.31 (1)	4.93	E-E	0 / 859	0.08 (1)
E-M	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30	B-I	0 / 1625	0.08 (1)
M-N	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30	I-C	0 / 1625	0.08 (1)
N-O	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30			
O-F	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30			
G-F	-2455 / 0	0.0	0.0	0.31 (1)	7.20			
L-K	0 / 0	-18.5	-18.5	0.04 (1)	10.00			
K-J	0 / 1844	-18.5	-18.5	0.28 (1)	10.00			
J-I	0 / 1844	-18.5	-18.5	0.28 (1)	10.00			
I-P	0 / 2578	-18.5	-18.5	0.61 (1)	10.00			
P-Q	0 / 2578	-18.5	-18.5	0.81 (1)	10.00			
Q-H	0 / 2578	-18.5	-18.5	0.81 (1)	10.00			
H-R	0 / 0	-18.5	-18.5	0.14 (1)	10.00			
R-S	0 / 0	-18.5	-18.5	0.14 (1)	10.00			
S-T	0 / 0	-18.5	-18.5	0.14 (1)	10.00			
T-G	0 / 0	-18.5	-18.5	0.14 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TOTAL
D	11-7-12	-123	-123	FRONT	VERT	TOTAL
M	13-7-12	-123	-123	FRONT	VERT	TOTAL
N	15-7-12	-123	-123	FRONT	VERT	TOTAL
O	16-11-4	-130	-130	FRONT	VERT	TOTAL
P	10-8-8	-1465	-1465	FRONT	VERT	TOTAL
Q	11-7-12	-28	-28	FRONT	VERT	TOTAL
R	13-7-12	-28	-28	FRONT	VERT	TOTAL
S	15-7-12	-28	-28	FRONT	VERT	TOTAL
T	16-11-4	-28	-28	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.31/1.00 (C-E-1), BC=0.61/1.00 (H-1),
WB=0.41/1.00 (F-H-1), SSI=0.30/1.00 (H-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 610 354 1667 788 1987 1696

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

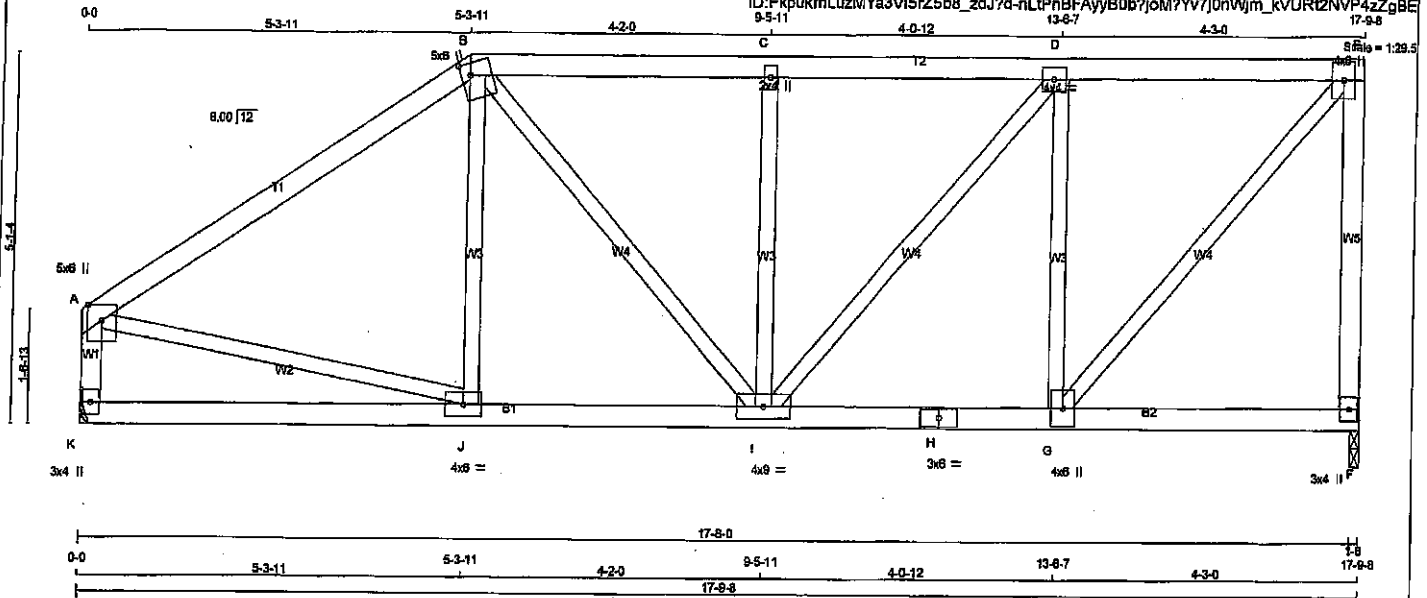
JSI GRIP= 0.75 (F) (INPUT = 0.90)
JSI METAL= 0.45 (J) (INPUT = 1.00)

DWG NO. TAM 1705450
STRUCTURAL
COMPLEMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T82	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 78 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF		
B - E	2x4	DRY	No.2	SPF		
F - E	2x4	DRY	No.2	SPF		
K - A	2x4	DRY	No.2	SPF		
K - H	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TTWW+m	MT20	5.0	6.0	2.00	1.50
C	TMVW+w	MT20	2.0	4.0		
D	TMVW+t	MT20	4.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW+t	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW+t	MT20	4.0	6.0		
J	BMVW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	1073	0	1073	0
K	1073	0	1073	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT K. MINIMUM BEARING LENGTH AT JOINT K = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0
K	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX	WEBS	MAX. FACTORED	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX	MAX	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO		(LBS)	CS1 (LC)
FR-TO									
A-B	-1017 / 0	-102.1	-102.1	0.55 (1)	5.38	J-B	-88 / 58	0.03 (1)	
B-C	-1022 / 0	-102.1	-102.1	0.24 (1)	5.89	A-J	0 / 887	0.20 (1)	
C-D	-1022 / 0	-102.1	-102.1	0.25 (1)	5.87	G-E	0 / 1153	0.28 (1)	
D-E	-783 / 0	-102.1	-102.1	0.25 (1)	8.25	B-I	0 / 272	0.08 (1)	
F-E	-1041 / 0	0.0	0.0	0.46 (1)	7.71	G-D	-774 / 0	0.30 (1)	
K-A	-1032 / 0	0.0	0.0	0.11 (1)	7.72	I-C	-453 / 0	0.17 (1)	
						I-D	0 / 401	0.08 (1)	
K-J	0 / 0	-18.5	-18.5	0.12 (4)	10.00				
J-I	0 / 843	-18.5	-18.5	0.20 (1)	10.00				
I-H	0 / 783	-18.5	-18.5	0.16 (1)	10.00				
H-G	0 / 783	-18.5	-18.5	0.18 (1)	10.00				
G-F	0 / 0	-18.5	-18.5	0.08 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.8 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.59")
CALCULATED VERT. DEFL.(LL) = L/989 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.59")
CALCULATED VERT. DEFL.(TL) = L/989 (0.05")

CS1: TC=0.55/1.00 (A-B:1), BC=0.20/1.00 (I-J:1), WB=0.30/1.00 (D-G:1), SS=0.20/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

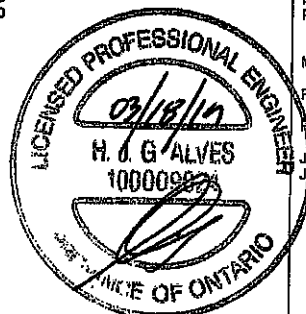
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

J&I GRIP= 0.74 (E) (INPUT = 0.80)
J&I METAL= 0.43 (A) (INPUT = 1.00)

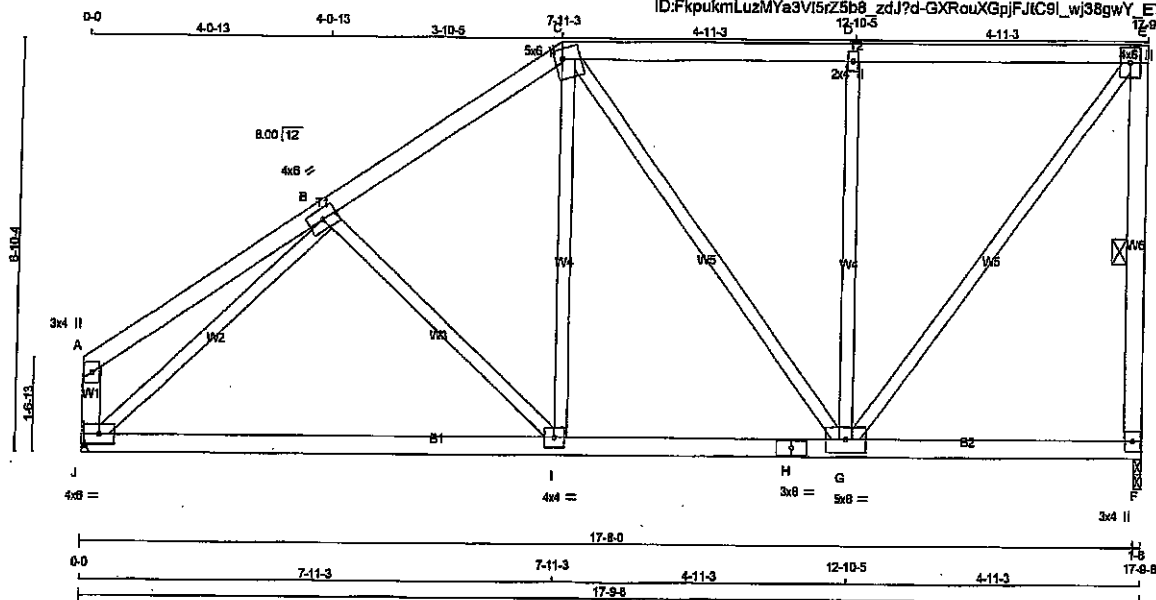


DRWG NO. TAM 77905457
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T84	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:35.5

TOTAL WEIGHT = 82 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
J - A	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	6.0		
C	TTTW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW+w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMVW-t	MT20	3.0	4.0		
G	BMVW-w	MT20	5.0	6.0		
H	BS-4	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMVW-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	1073	0	1073	0
J	1073	0	1073	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0
J	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.10 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 28	-102.1 -102.1 0.28 (1)	B-I	-183 / 0
B-C	-807 / 0	-102.1 -102.1 0.27 (1)	I-C	0 / 281
C-D	-834 / 0	-102.1 -102.1 0.42 (1)	C-G	-171 / 0
D-E	-834 / 0	-102.1 -102.1 0.42 (1)	G-D	-622 / 0
E-F	-1031 / 0	0.0 0.0 0.22 (1)	D-G	0 / 1050
F-A	-155 / 0	0.0 0.0 0.02 (1)	G-E	-1222 / 0
J-I	0 / 872	-18.5 -18.5 0.31 (4)	J-B	
I-H	0 / 737	-18.5 -18.5 0.31 (4)		
H-G	0 / 737	-18.5 -18.5 0.31 (4)		
G-F	0 / 0	-18.5 -18.5 0.10 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN./C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.59")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.59")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.14")

CSI: TC=0.42/1.00 (D-E:1), BC=0.31/1.00 (I-J:4), WB=0.81/1.00 (B-J:1), SSI=0.24/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

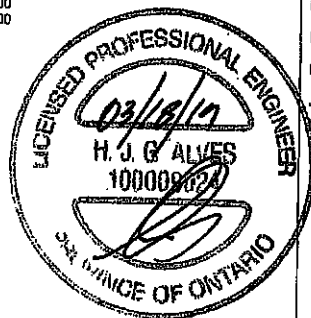
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1687
	788	1987	1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (J) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

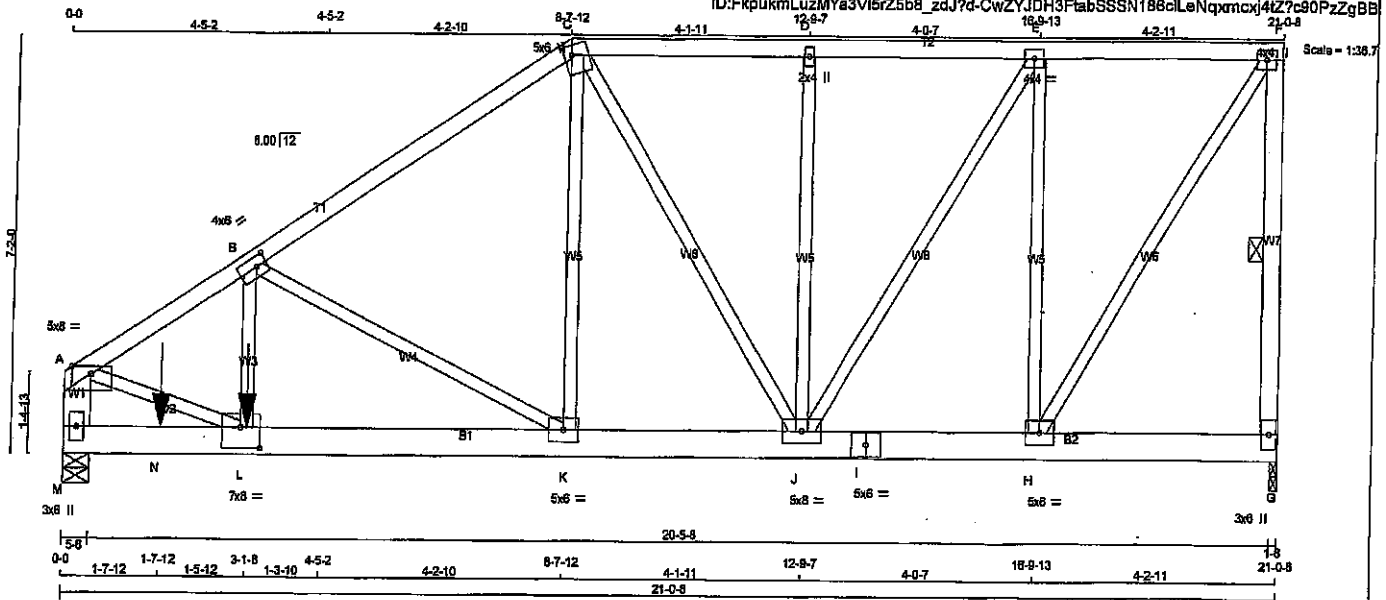


DRWG NO. TAM 77905453
STRUCTURAL
COMPANION ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T85	1	3	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 116 = 348 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - F	2x4	DRY	No.2	SPF		
G - I	2x4	DRY	No.2	SPF		
M - A	2x6	DRY	No.2	SPF		
M - I	2x6	DRY	No.2	SPF		
I - G	2x6	DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-C 1 12		TOP
C-F 1 12		TOP
F-G 1 12		TOP
M-A 2 12		TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M-I 2 4		SIDE (1007.1)
I-G 2 12		TOP
WEBS: (0.122"x3") SPIRAL NAILS		
B-L 1 6		SIDE (259.4)
2x3 1 6		

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMWW-p	MT20	5.0	8.0	Edge	
B TMWW-l	MT20	4.0	6.0	2.00	2.25
C TTWW-m	MT20	5.0	6.0	2.00	1.50
D TMW-w	MT20	2.0	4.0		
E TMWW-l	MT20	4.0	4.0		
F TMW-w	MT20	3.0	6.0		
G BMW1-p	MT20	5.0	6.0		
H BMW-l	MT20	5.0	6.0		
I BS-l	MT20	5.0	6.0		
J BMWW-l	MT20	6.0	8.0		
K BMWW-l	MT20	5.0	8.0		
L BMWW-l	MT20	7.0	8.0	4.25	4.00
M BMW1-p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY

BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	UP
G	2025	0	0	1-8
M	5932	0	5932	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	1423	984 / 0	0 / 0	0 / 0	0 / 0	439 / 0	0 / 0
M	4183	2911 / 0	0 / 0	0 / 0	0 / 0	1252 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.48 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO							
A-B	-6556 / 0	-102.1	-102.1	0.16 (1)	4.48	L-B	0 / 3267
B-C	-2814 / 0	-102.1	-102.1	0.16 (1)	6.22	B-K	-3610 / 0
C-D	-1875 / 0	-102.1	-102.1	0.08 (1)	6.25	K-C	0 / 1908
D-E	-1875 / 0	-102.1	-102.1	0.08 (1)	6.25	A-L	0 / 5769
E-F	-1128 / 0	-102.1	-102.1	0.08 (1)	6.25	H-F	0 / 2126
G-F	-1991 / 0	0.0	0.0	0.15 (1)	6.25	C-J	-910 / 0
M-A	-5497 / 0	0.0	0.0	0.12 (1)	7.38	H-E	-1721 / 0
M-N	0 / 0	-18.5	-18.5	0.15 (1)	10.00	J-D	-447 / 0
N-L	0 / 0	-18.5	-18.5	0.15 (1)	10.00	J-E	0 / 1484
L-K	0 / 5487	-18.5	-18.5	0.27 (1)	10.00		
K-J	0 / 2349	-18.5	-18.5	0.11 (1)	10.00		
J-I	0 / 1128	-18.5	-18.5	0.05 (1)	10.00		
I-H	0 / 1128	-18.5	-18.5	0.05 (1)	10.00		
H-G	0 / 0	-18.5	-18.5	0.01 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX-	MAX+	FACE	VERT	TYPE
L	3-1-8	-4722	-4722	-	FRONT	VERT	TOTAL
N	1-7-12	-897	-897	-	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0	PSF
DL = 6.0	PSF	
BOT CH.	LL = 0.0	PSF
DL = 7.4	PSF	
TOTAL LOAD = 42.4	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/889 (0.07")

CS: TC=0.18/1.00 (A-B:1), BC=0.27/1.00 (K-L:1), WB=0.89/1.00 (B-K:1), SS=0.09/1.00 (L-X:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1656

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

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PLATE PLACEMENT TOTAL = 0.000000

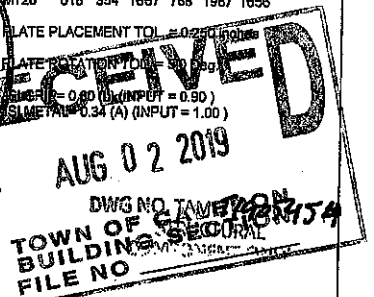
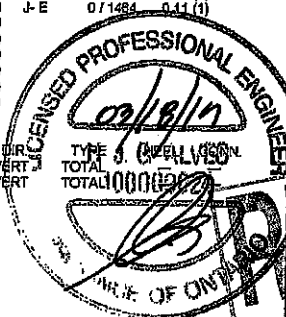
PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

PLATE PLACEMENT TOTAL = 0.000000

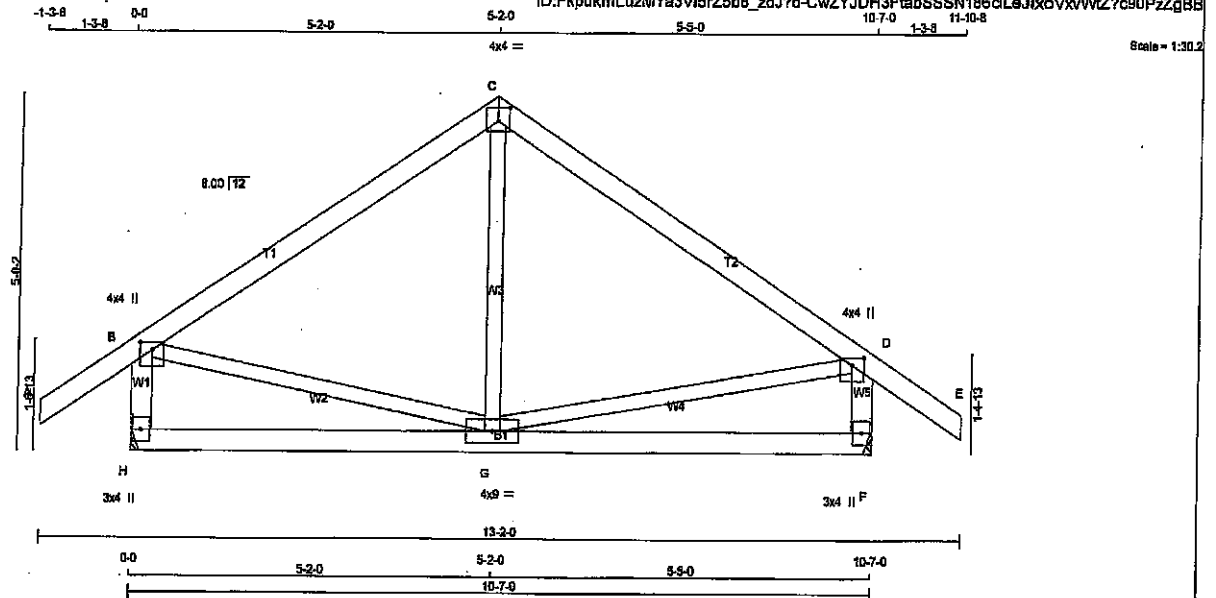
PLATE PLACEMENT TOTAL = 0.000000



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T86	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 45 = 134 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
H - B	2x4	DRY	No.2	SPF		
F - D	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWV-t	MT20	4.0	9.0		
H	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
H	778	0	778	0
F	778	0	778	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H, F. MINIMUM BEARING LENGTH AT JOINT H = 1-8, JOINT F = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS	WIND	DEAD	SOIL
H	COMBINED	SNOW	LIVE	PERM/LIVE	
H	545	387 / 0	0 / 0	0 / 0	0 / 0
F	545	387 / 0	0 / 0	0 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS			W E B S		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	CSI (LC)	FR-TO	MAX. FACTORED CSI (LC)
A-B	0 / 39	-102.1 -102.1	0.14 (1)	G-C	-44 / 80
B-C	-447 / 0	-102.1 -102.1	0.35 (1)	B-G	0 / 383
C-D	-447 / 0	-102.1 -102.1	0.39 (1)	G-D	0 / 380
D-E	0 / 39	-102.1 -102.1	0.14 (1)		
H-B	-742 / 0	0.0 0.0	0.08 (1)		
F-D	-738 / 0	0.0 0.0	0.08 (1)		
H-G	0 / 0	-18.5 -18.5	0.15 (4)		
G-F	0 / 0	-18.5 -18.5	0.15 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.39/1.00 (C-D:1), BC=0.15/1.00 (F-G:4), WB=0.09/1.00 (B-G:1), SSI=0.18/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1887 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.55 (D) (INPUT = 0.90)
JSI METAL= 0.16 (D) (INPUT = 1.00)



DRWG NO. TAM 17905453
STRUCTURAL
CONSTRUCTION

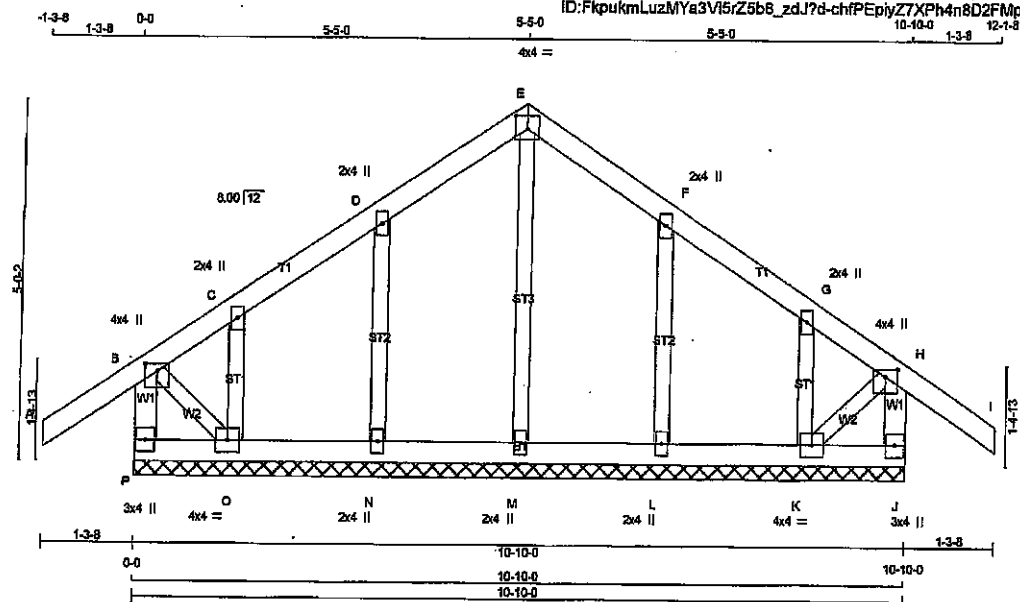
JOB NAME 401794	TRUSS NAME G86	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/2" = 1'-0"



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
P - B	2x4	DRY	No.2
A - E	2x4	DRY	No.2
E - I	2x4	DRY	No.2
J - H	2x4	DRY	No.2
P - J	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2
ALL GABLE WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

GABLE STUDS SPACED AT 2'-0" O.C.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	LC1 MAX (LC)	
FR-TO		FROM TO		FR-TO			
P-B	-284 / 0	0.0	0.0	0.03 (1)	7.81	M-E	-180 / 0
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	N-D	-248 / 0
B-C	-53 / 0	-102.1	-102.1	0.13 (1)	6.25	O-C	-82 / 0
C-D	-1 / 0	-102.1	-102.1	0.07 (1)	10.00	L-F	-248 / 0
D-E	-18 / 0	-102.1	-102.1	0.07 (1)	6.25	K-G	-82 / 0
E-F	-18 / 0	-102.1	-102.1	0.07 (1)	6.25	B-O	0 / 17
F-G	-1 / 0	-102.1	-102.1	0.07 (1)	10.00	K-H	0 / 17
G-H	-53 / 0	-102.1	-102.1	0.13 (1)	6.25		
H-I	0 / 39	-102.1	-102.1	0.14 (1)	10.00		
J-H	-284 / 0	0.0	0.0	0.03 (1)	7.81		
P-O	0 / 0	-18.5	-18.5	0.01 (4)	10.00		
O-N	0 / 10	-18.5	-18.5	0.02 (4)	10.00		
N-M	0 / 4	-18.5	-18.5	0.01 (4)	10.00		
M-L	0 / 4	-18.5	-18.5	0.01 (4)	10.00		
L-K	0 / 10	-18.5	-18.5	0.02 (4)	10.00		
K-J	0 / 0	-18.5	-18.5	0.01 (4)	10.00		

TOTAL WEIGHT = 47 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	42.4	PSF

SPACING = 24.0 IN/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B-1), BC=0.02/1.00 (N-O-4), WB=0.06/1.00 (E-M-1), SS=0.09/1.00 (A-B-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
	MAX	MIN	MAX
MT20	818	354	1887
	788	1887	1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.90)
JSI METAL= 0.13 (F) (INPUT = 1.00)



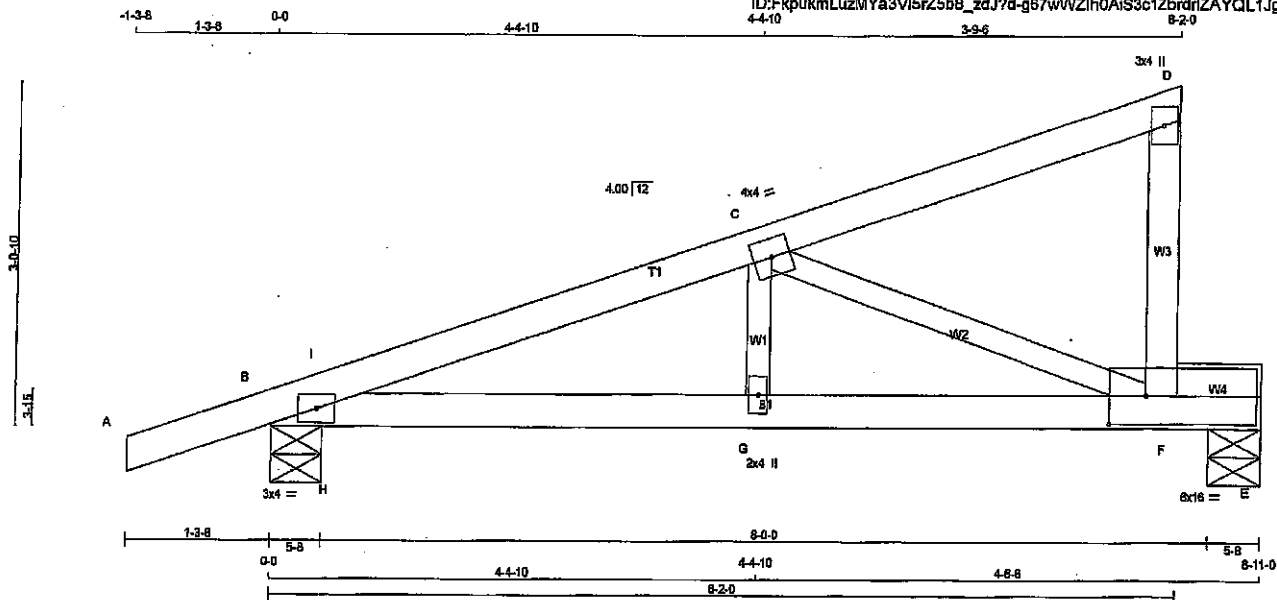
DRWG NO. TAM 71905456
STRUCTURAL
COMMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T87	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 5 Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:48:58 2019 Page 1
ID:FpkukmLuzMYa3V1srZ5b8_zdJ7d-g67wWZih0A1S3c1ZbrdriZAYQL1JgJq0cfLIYrzZgBA

Scale = 1:19.0



TOTAL WEIGHT = 3 X 29 = 88 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
F - D	2x4	DRY	No.2
B - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
		DRY: SEASONED LUMBER.	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMBWW-t	MT20	4.0	4.0		
D	TMBW-p	MT20	3.0	4.0		
F	BMV/WW-t	MT20	6.0	16.0	3.00	4.00
G	BMVW-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UPLIFT	IN-SX
B	671	0	671	0
E	464	0	464	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERMLIVE WIND DEAD SOIL
B	470 335 / 0 0 / 0 0 / 0 0 / 0 135 / 0 0 / 0
E	328 217 / 0 0 / 0 0 / 0 0 / 0 111 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 20	-102.1 -102.1	0.13 (1)	10.00	G-C	0 / 246	0.08 (1)
B-I	-1028 / 0	-102.1 -102.1	0.03 (1)	6.16	C-F	-1044 / 0	0.27 (1)
I-C	-1013 / 0	-102.1 -102.1	0.17 (1)	6.03	H-I	-174 / 0	0.00 (1)
C-D	-13 / 0	-102.1 -102.1	0.16 (1)	6.25			
F-D	-153 / 0	0.0 0.0	0.02 (1)	7.81			
B-H	0 / 971	-18.5 -18.5	0.29 (1)	10.00			
H-G	0 / 971	-18.5 -18.5	0.31 (1)	10.00			
G-F	0 / 871	-18.5 -18.5	0.62 (1)	10.00			
F-E	0 / 0	-18.5 -18.5	0.19 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.30")
CALCULATED VERT. DEFL.(LL) = L/989 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = L/875 (0.12")

CSI: TC=0.17/1.00 (C-I:1), BC=0.62/1.00 (F-G:1),
WB=0.27/1.00 (C-F:1), SS=0.18/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

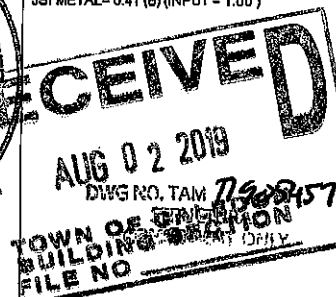
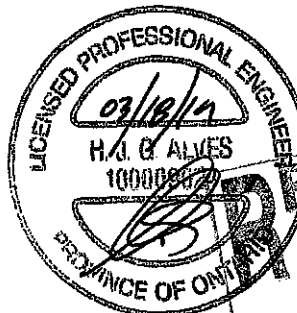
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1987 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.68 (C) (INPUT = 0.90)
JSI METAL= 0.41 (B) (INPUT = 1.00)

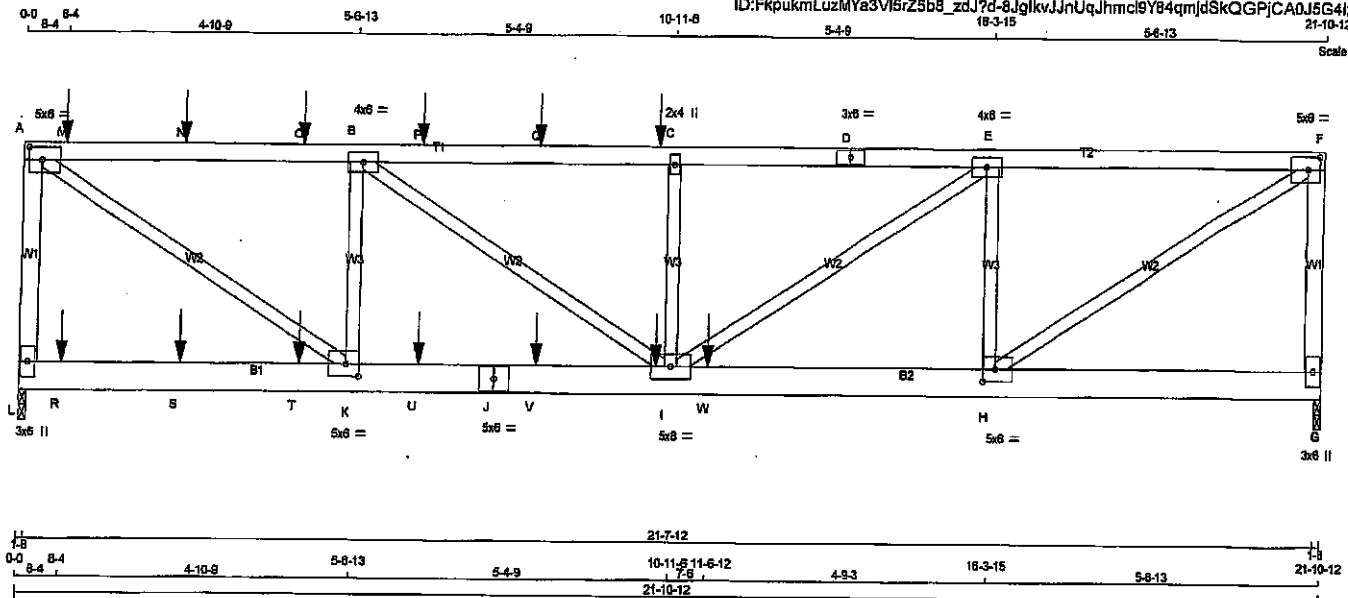


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T110	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:47:00 2018 Page 1
ID:FkpukmLuzMYa3V6rZ5b8_zdJ7d-8JgkvJnUqJhmc9Y84qmdJdSkQGpJCA0J5G4zZgB9
21-10-12

Scale = 1:35.8



TOTAL WEIGHT = 2 X 100 = 200 lb

CHORDS	SIZE	LUMBER	DESCR.
N. L. G. A. RULES			
L - A	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - F	2x4	DRY	No.2
L - J	2x6	DRY	No.2
J - G	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF
DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(81.0)
D-F	12	TOP
F-G	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TMVW-1 MT20	5.0	6.0	2.50	2.50
B TMVW-1 MT20	4.0	6.0		
C TMVW-1 MT20	2.0	4.0		
D TS-1 MT20	3.0	6.0		
E TMVW-1 MT20	4.0	6.0		
F TMVW-1 MT20	5.0	6.0	2.50	2.50
G BMV1-p MT20	3.0	6.0		
H BMVW-1 MT20	6.0	6.0	2.50	2.50
I BMVW-1 MT20	5.0	6.0		
J BS-1 MT20	5.0	6.0		
K BMVW-1 MT20	5.0	6.0	2.50	2.50
L BMV1-p MT20	3.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
L	2540	0	0	1-8
G	2197	0	0	1-8

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN COMPONENT REACTIONS
JT	COMBINED	SNOW
L	1788	1223 / 0
G	1545	1088 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO					FR-TO		
L-A	-2442 / 0	0.0	0.0	0.30 (1)	H-F	0 / 3485	0.43 (1)
A-M	-3080 / 0	-102.1	-102.1	0.48 (1)	A-K	0 / 3708	0.46 (1)
M-N	-3080 / 0	-102.1	-102.1	0.48 (1)	H-E	-1684 / 0	0.21 (1)
N-O	-3080 / 0	-102.1	-102.1	0.48 (1)	K-B	-1938 / 0	0.25 (1)
O-B	-3080 / 0	-102.1	-102.1	0.48 (1)	E-I	0 / 1844	0.23 (1)
B-P	-4412 / 0	-102.1	-102.1	0.54 (1)	B-I	0 / 1621	0.20 (1)
P-Q	-4412 / 0	-102.1	-102.1	0.54 (1)	I-C	-873 / 0	0.09 (1)
Q-C	-4412 / 0	-102.1	-102.1	0.54 (1)			
C-D	-4412 / 0	-102.1	-102.1	0.38 (1)			
D-E	-4412 / 0	-102.1	-102.1	0.36 (1)			
E-F	-2898 / 0	-102.1	-102.1	0.28 (1)			
G-F	-2168 / 0	0.0	0.0	0.27 (1)			

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO					FR-TO		
L-R	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
R-S	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
S-T	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
T-K	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
K-U	0 / 3080	-18.5	-18.5	0.27 (1)	10.00		
U-J	0 / 3080	-18.5	-18.5	0.27 (1)	10.00		
J-V	0 / 3080	-18.5	-18.5	0.27 (1)	10.00		
V-I	0 / 3080	-18.5	-18.5	0.27 (1)	10.00		
I-W	0 / 2898	-18.5	-18.5	0.38 (1)	10.00		
W-H	0 / 2898	-18.5	-18.5	0.38 (1)	10.00		
H-G	0 / 0	-18.5	-18.5	0.05 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
JT								
C	10-8-4	-113	-113	FRONT	VERT	TOTAL		
I	10-8-4	-25	-25	FRONT	VERT	TOTAL		
M	8-4	-129	-129	FRONT	VERT	TOTAL		
N	2-8-4	-113	-113	FRONT	VERT	TOTAL		
O	4-8-4	-113	-113	FRONT	VERT	TOTAL		
P	8-8-4	-113	-113	FRONT	VERT	TOTAL		
Q	8-8-4	-113	-113	FRONT	VERT	TOTAL		
R	8-4	-28	-28	FRONT	VERT	TOTAL		
S	2-8-4	-25	-25	FRONT	VERT	TOTAL		
T	4-8-4	-25	-25	FRONT	VERT	TOTAL		
U	8-8-4	-25	-25	FRONT	VERT	TOTAL		
V	8-8-4	-25	-25	FRONT	VERT	TOTAL		
W	11-8-12	-1248	-1248	FRONT	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.54/1.00 (B-C:1), BC=0.38/1.00 (H-I:1), WB=0.46/1.00 (A-K:1), SS=0.39/1.00 (H-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

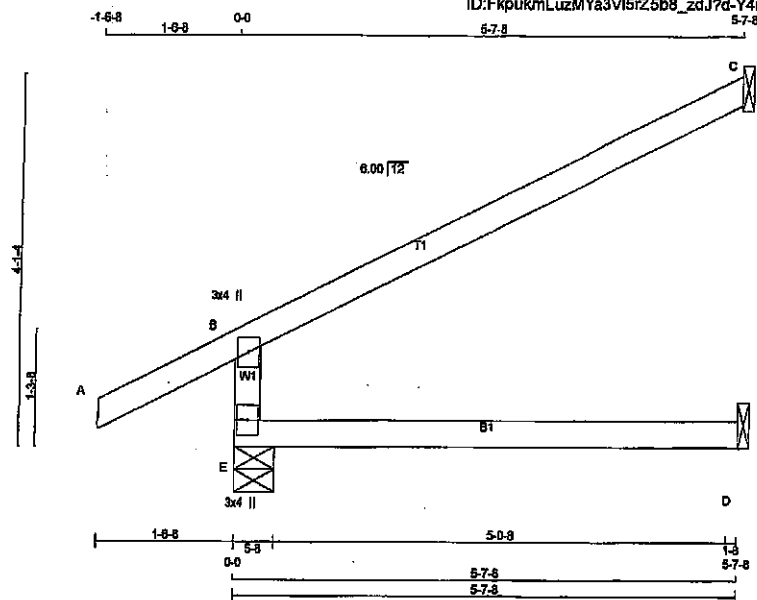
JSI GRIP= 0.75 (A) (INPUT = 0.90)
JSI METAL= 0.38 (H) (INPUT = 1.00)

DRWG NO. TAM 740545B
STRUCTURAL
CONSTRUCTION

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J11	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-Y4n9fUkC4kn7xOxXLTHquekQLO7AA6T6_rTJO4zZgBv



Scale = 1/23.8

TOTAL WEIGHT = 6 X 17 = 100 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE LUMBER
E - B 2x4 DRY No.2
A - C 2x4 DRY No.2
E - D 2x4 DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+P	MT20	3.0	4.0		
E	BMV+P	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
E	584	0	584	0	0	5-8	5-8	
C	215	0	215	0	0	1-8	1-8	
D	43	0	49	0	0	1-8	1-8	

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
E	407	287 / 0	0 / 0	0 / 0	0 / 0	110 / 0	0 / 0
C	148	123 / 0	0 / 0	0 / 0	0 / 0	25 / 0	0 / 0
D	35	0 / 0	0 / 0	0 / 0	0 / 0	35 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		MAX. FACTORED	
	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. CSI (LC)	MEMB. UNBRAC	LENGTH FR-TO	FORCE (LBS)	MAX. CSI (LC)
FR-TO								
E-B	-523 / 0	0.0	0.0	0.11 (4)	7.81			
A-B	0 / 37	-102.1	-102.1	0.19 (1)	10.00			
B-C	-32 / 0	-102.1	-102.1	0.55 (1)	6.25			
E-D	0 / 0	-18.5	-18.5	0.12 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/869$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/869$ (0.03")

CSI: TC=0.55/1.00 (B-C-1), BC=0.12/1.00 (D-E-4), WB=0.00/1.00 (n/a:0), CSI=0.25/1.00 (B-C-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

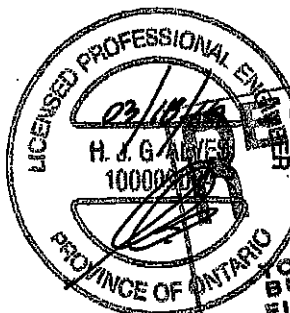
NAIL VALUES

PLATE GRIP(DRY) SHEAR	SECTION (PSI)	(PLI)	(PLI)
MAX MIN MAX MIN MAX MIN			
MT20	618	354	1057

PLATE PLACEMENT TOL. = 5.0 mm

PLATE ROTATION TOL. = 5.0 DEG

JSI GRIP = 0.22 (E) (INPUT = 0.90)
JSI METAL = 0.15 (E) (INPUT = 1.00)



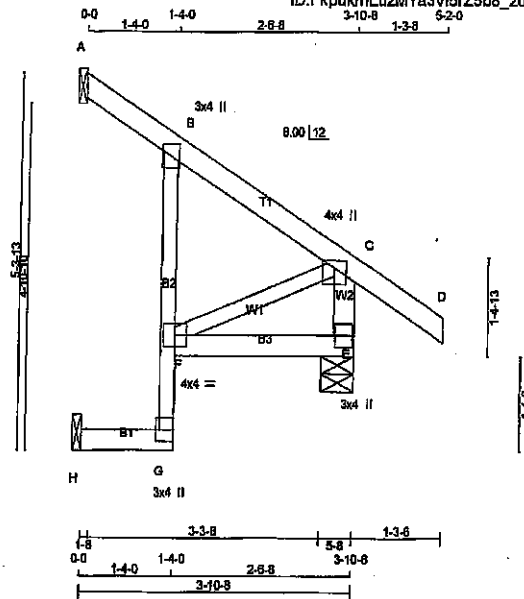
TOWN OF CALEDON
BUILDING SECTION
FILE NO. 17-05454
STRUCTURAL
CONSTRUCTION / CIVIL

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	J51S	3	1	GREEN PARK HOMES.	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V16rZ5b8_zdJ7d-0GLX9kqr2v_YYWjvBo3RsGgVoStvZJFDVCGwWzZgBu

Scale = 1:30.2



TOTAL WEIGHT = 3 X 18 = 54 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
E - C	2x4	DRY	No.2
H - G	2x4	DRY	No.2
G - B	2x3	DRY	No.2
F - E	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMV1+p	MT20	3.0	4.0		
F	BMVW-I	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0	2.00	Edge

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
A	134	134	2	2
E	440	440	0	0
H	33	33	0	0

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) A, H

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
A	94	67/0	0/0	0/0	0/0	27/0	0/0
E	307	228/0	0/0	0/0	0/0	79/0	0/0
H	24	10/0	0/0	0/0	0/0	14/0	0/0

HORIZONTAL REACTIONS

A	1	2/-1	0/0	0/0	0/0	0/-1	0/0
H	-1	1/-2	0/0	0/0	0/0	1/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (1)	MAX. LC2 (1)	UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. LC1 (1)
FR-TO										
A-B		0/36	-102.1	-102.1	0.13 (1)	10.00	F-C		0/119	0.03 (1)
B-C		-74/0	-102.1	-102.1	0.20 (1)	6.25				
C-D		0/36	-102.1	-102.1	0.14 (1)	10.00				
E-C		-412/0	0.0	0.0	0.13 (1)	7.81				
H-G		-2/2	-18.5	-18.5	0.04 (1)	10.00				
G-F		-10/6	0.0	0.0	0.08 (1)	7.81				
F-B		-35/21	0.0	0.0	0.10 (1)	7.81				
F-E		-66/0	-18.5	-18.5	0.03 (4)	6.25				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 29.0	PSF
	DL	= 6.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.4	PSF
TOTAL LOAD		= 42.4	PSF

SPACING = 24.0 IN. CIC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/889$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.02")

CSI: TC=0.20/1.00 (B-C:1), BC=0.10/1.00 (B-F:1), WB=0.03/1.00 (C-F:1), SSI=0.14/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

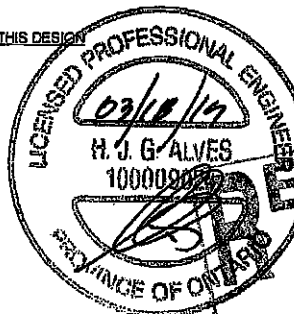
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	MIN (PLI)	MAX (PLI)
MT20	618	354	1667	788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 0.000 inches

PLATE STRENGTH (IN) = 1.00 (METAL) (0.07) (METAL) (1.00)

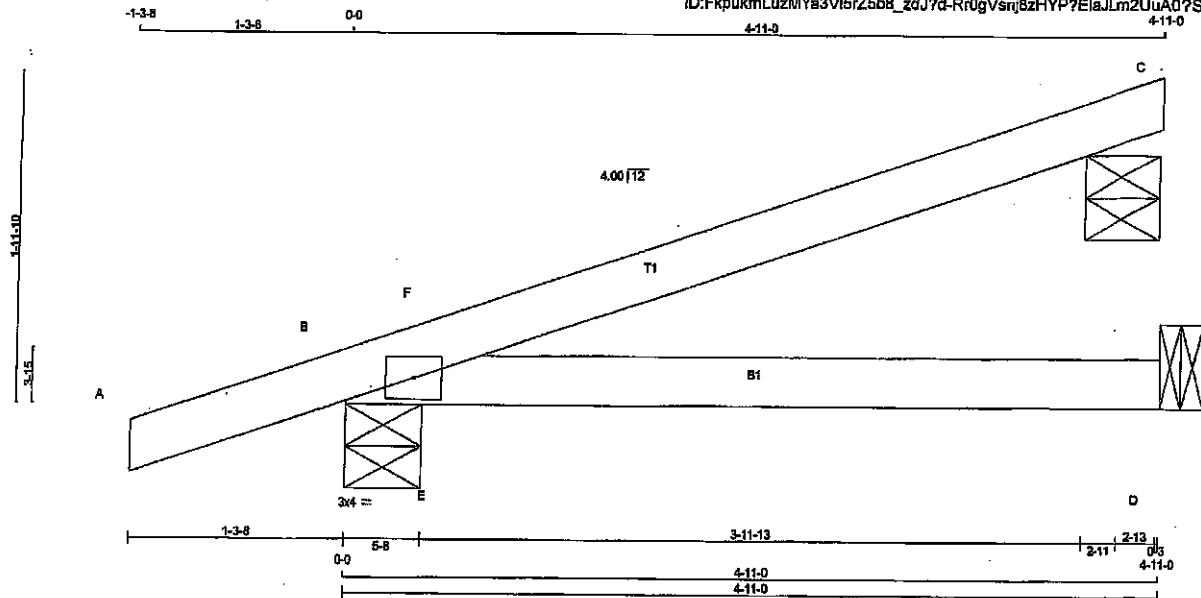


AUG 02 2019

DRWG NO. TAM 7805960
TOWN OF CHATELAIN
BUILDING SECTION
FILE NO

JOB NAME 401794	TRUSS NAME J53	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2016 MTek Industries, Inc. Mon Mar 18 15:46:16 2019 Page 1
ID:FpkukmLuzMYa3Vi5rZ5b8_zdJ7d-Rr0gVsnj8zHYp7ElaJm2UuA07SN6wThvTRXxzZgBr



Scale = 1:12.7

TOTAL WEIGHT = 4 X 13 = 53 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE
A - C 2x4 DRY
B - D 2x4 DRY

LUMBER
No.2
No.2

DESCR.
SPF
SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X
B TMB1-J MT20 3.0 4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	DOWN	UPLIFT	
C	217	0	0	5-8
B	433	0	0	5-8
D	79	0	0	3-0

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

SEE MTEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) D

UNFACTORED REACTIONS

JT	1ST LCASE	MAX / MIN COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	150	120 / 0	0 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0
B	302	220 / 0	0 / 0	0 / 0	0 / 0	0 / 0	82 / 0	0 / 0
D	59	23 / 0	0 / 0	0 / 0	0 / 0	0 / 0	38 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)
FR-TO									
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	E-F	-272 / 9	0.00 (1)	
B-F	-18 / 6	-102.1	-102.1	0.08 (4)	8.25				
F-C	0 / 2	-102.1	-102.1	0.31 (1)	10.00				
B-E	0 / 0	-18.5	-18.5	0.23 (1)	10.00				
E-D	0 / 0	-18.5	-18.5	0.23 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/989 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/754 (0.08")

CSI: TC=0.31/1.00 (C-F:1), BC=0.23/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.22/1.00 (B-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

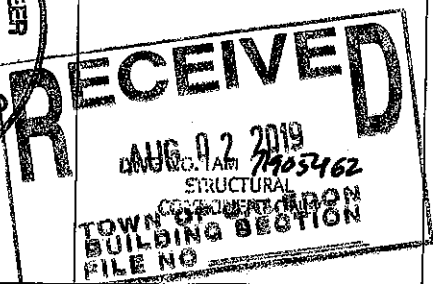
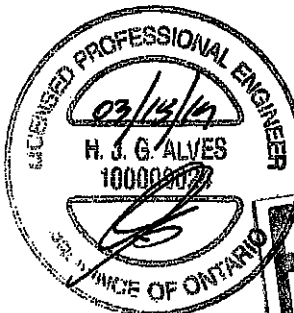
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

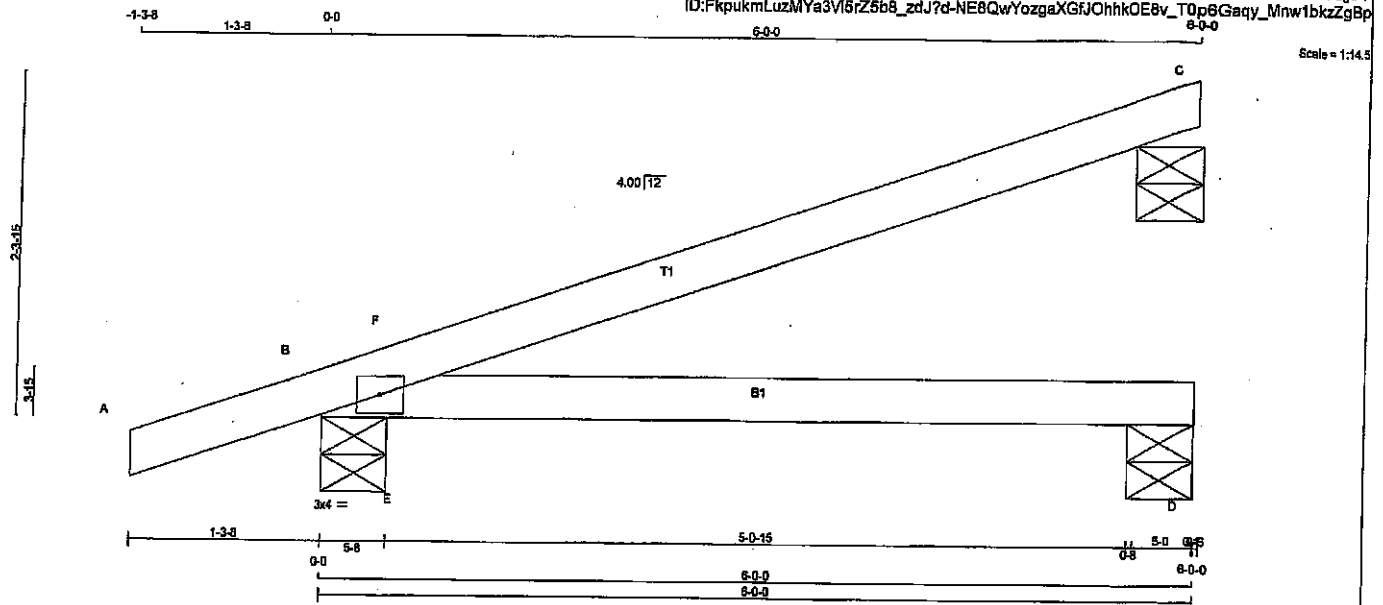
JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



JOB NAME 401794	TRUSS NAME J54	QUANTITY 8	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3Vl5rZ5b8_zdJ?d-NE8QwYozgaXGfJOhhkOE8v_T0p8Gaay_Mnw1bkzZgBp



TOTAL WEIGHT = 8 X 16 = 128 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE
A - C 2x4 DRY
B - D 2x4 DRY

LUMBER
No.2
No.2

DESCR.
SPF
SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X
B TMB1-J MT20 3.0 4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT	VERT	HORZ	UP/LIFT	
C	267	0	0	5-8 (5-2)
B	498	0	0	5-8
D	95	0	0	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM/LIVE	WIND	DEAD	SOIL
C	184	147 / 0	0 / 0	0 / 0	0 / 0	37 / 0	0 / 0
B	348	252 / 0	0 / 0	0 / 0	0 / 0	95 / 0	0 / 0
D	71	27 / 0	0 / 0	0 / 0	0 / 0	43 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)
FR-TO		FROM TO	LENGTH	FR-TO		FROM TO	LENGTH
A-B	0 / 20	-102.1 -102.1	0.13 (1)	10.00	E-F	-389 / 13	0.00 (1)
B-F	-20 / 26	-102.1 -102.1	0.07 (4)	8.25			
F-C	-3 / 2	-102.1 -102.1	0.47 (1)	10.00			
B-E	0 / 0	-18.5 -18.5	0.33 (1)	10.00			
E-D	0 / 0	-18.5 -18.5	0.33 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
CL = 8.0 PSF
BOT CH. LL = 0.0 PSF
CL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G/G

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/832 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/424 (0.17")

CSI: TC=0.47/1.00 (C-F.1), BC=0.33/1.00 (D-E.1),
WB=0.00/1.00 (E-F.1), SB=0.32/1.00 (B-E.1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

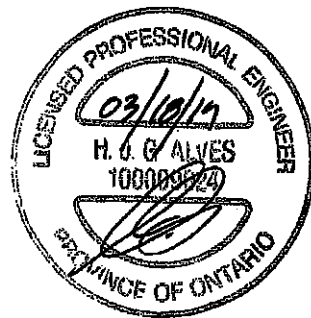
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1687 788 1687 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

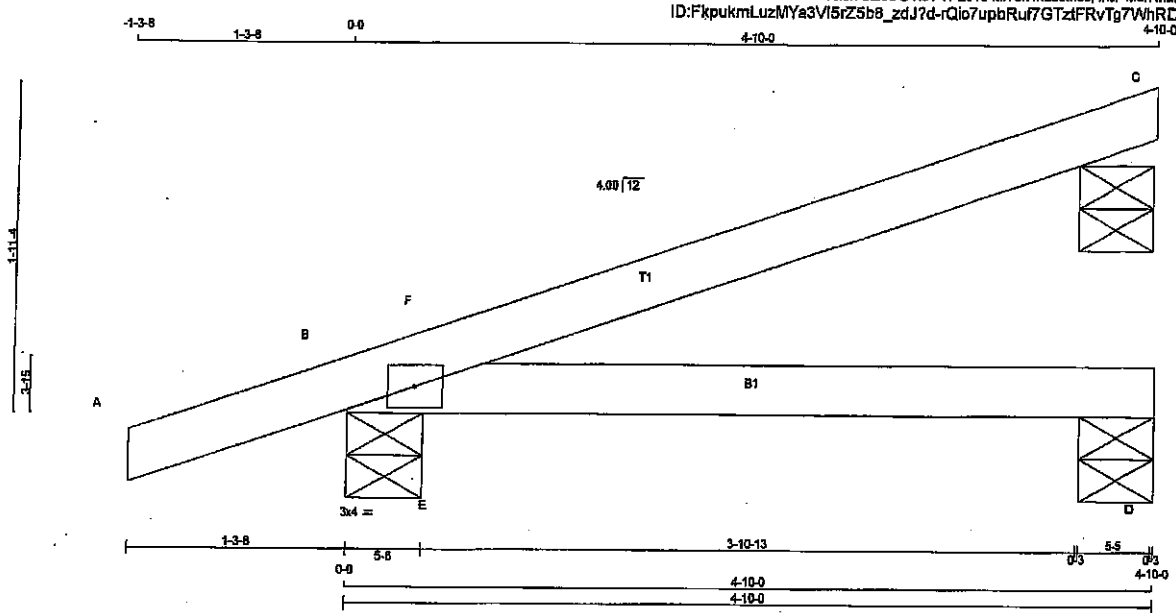
JSI GRIP= 0.34 (B) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)



DWG NO. TAM 17405463
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J55	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:48:18 2019 Page 1
ID:FkpukmLuzMYa3Vl5rZ5b8_zdJ?d-rQio7upbRu7GTz4FRvTg7WhRDUBJHC7bRb7AzZgBo



TOTAL WEIGHT = 6 X 13 = 78 lb

LUMBER				DESCR.	
N. L. G. A. RULES	SIZE	LUMBER		SPF	
CHORDS		No.2			
A - C	2x4	DRY			
B - D	2x4	DRY			

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMB1-I	MT20	3.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	VERT	GROSS REACTION	HORIZ	DOWN	HORIZ	BRG	IN-SX	BRG	IN-SX
C	214	0	214	0	0	5-8	5-8	5-8	5-8
B	428	0	428	0	0	5-8	5-8	5-8	5-8
D	78	0	78	0	0	5-8	5-8	5-8	5-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	147	118 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0
B	299	218 / 0	0 / 0	0 / 0	0 / 0	81 / 0	0 / 0
D	58	23 / 0	0 / 0	0 / 0	0 / 0	35 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00
B-F	-15 / 6	-102.1	-102.1	0.08 (4)	6.25
F-C	0 / 2	-102.1	-102.1	0.30 (1)	10.00
B-E	0 / 0	-18.5	-18.5	0.22 (1)	10.00
E-D	0 / 0	-18.5	-18.5	0.22 (1)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/792$ (0.07")

CSI: TC=0.30/1.00 (C-F:1), BC=0.22/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.21/1.00 (B-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

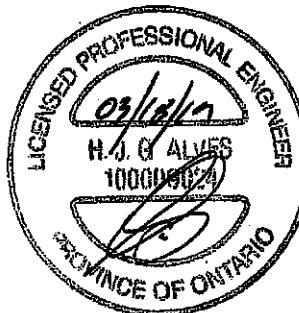
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE GRIP (DRY)	SHEAR	SECTION	
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1667
		788	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



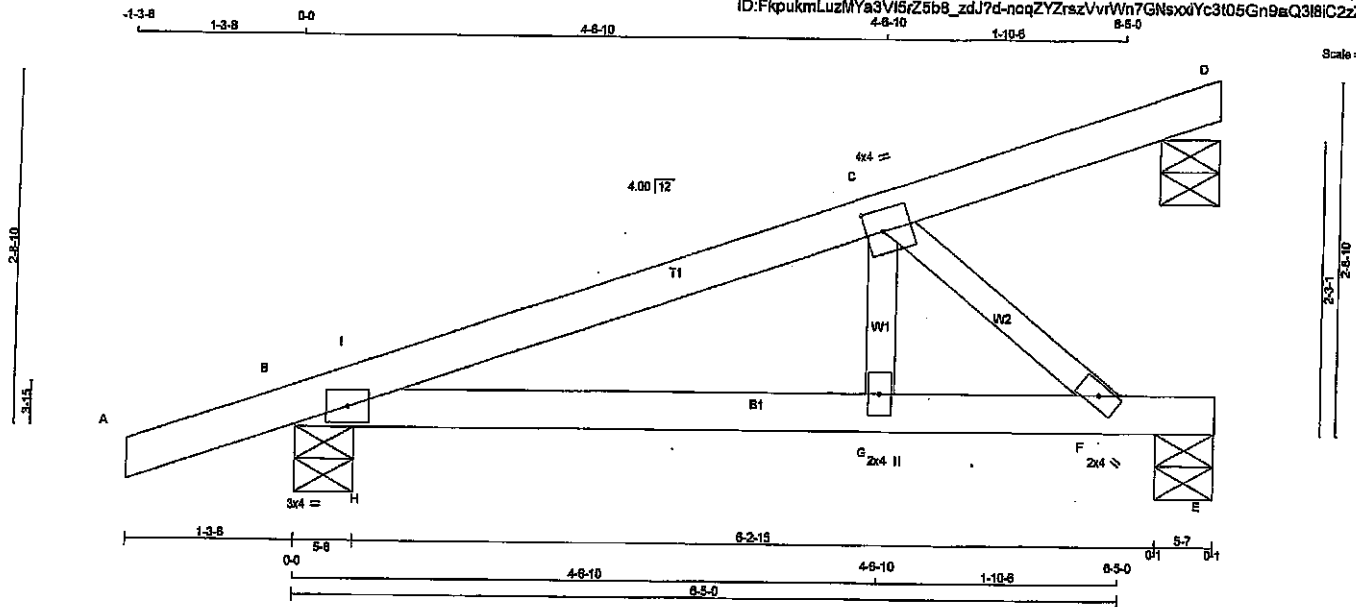
DRWG NO. 17905464
STRUCTURAL
CONCRETE ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J56	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 5 Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 15:46:21 2019 Page 1
ID:FkpukmLuzMYa3V16rZ5b8_zdJ7d-nqZYrZszVvrWn7GNsxdYc3t05Gn9aQ3l8IC2zZg8m

Scale = 1:16.4



LUMBER

N. L. G. A. RULES
CHORDS SIZE LUMBER
A - D 2x4 DRY No.2
B - E 2x4 DRY No.2
ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMBW-I	MT20	4.0	4.0	2.00	1.50
F	BMW-w	MT20	2.0	4.0		
G	BMW-w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	569	0	569	0	5-8	5-8
E	396	0	396	0	5-8	5-8
D	98	0	98	0	5-8	5-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): D

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SO
B	396	288 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 /
E	238	154 / 0	0 / 0	0 / 0	0 / 0	84 / 0	0 /
D	68	54 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 /

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, E, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX. (LC)			MAX. FORCE (LBS)	MAX. (LC)
FR-TO						FR-TO		
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	C-F	-808 / 0	0.14 (1)
B-I	-628 / 0	-102.1	-102.1	0.03 (1)	8.25	G-C	0 / 345	0.08 (1)
I-C	-624 / 0	-102.1	-102.1	0.18 (1)	8.25	H-I	-216 / 0	0.00 (1)
C-D	-12 / 0	-102.1	-102.1	0.11 (1)	6.25			
B-H	0 / 598	-18.5	-18.5	0.26 (1)	10.00			
H-G	0 / 598	-18.5	-18.5	0.28 (1)	10.00			
G-F	0 / 602	-18.5	-18.5	0.50 (1)	10.00			
F-E	0 / 0	-18.5	-18.5	0.41 (1)	10.00			

TOTAL WEIGHT = 6 X 21 = 126 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.24")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.24")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

CS: TC=0.18/1.00 (C-I:1), BC=0.50/1.00 (F-G:1),
WB=0.14/1.00 (C-F:1), SS=0.26/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

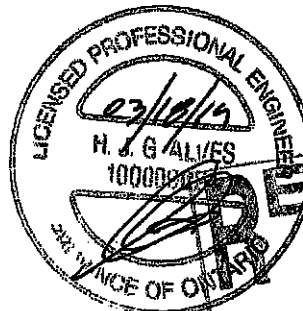
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.70 (F) (INPUT = 0.80)
JSI METAL= 0.43 (F) (INPUT = 1.00)



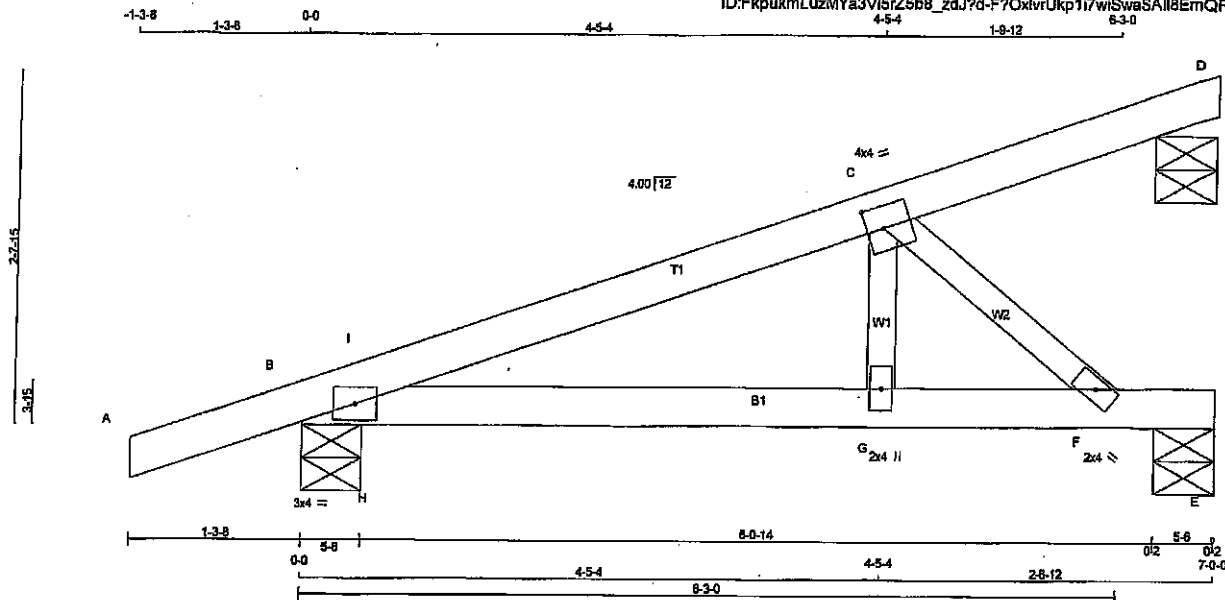
RECEIVED
AUG 02 2019
DWG NO. TAM 7187165
TOWN OF STURGEON
BUILDING SECTION
FILE NO

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J57	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:48:22 2019 Page 1
ID:FkpukmLuzMYa3Vj5rZ5b8_zdJ7d-F7OxlvUkp17wiSwaSA118EmQRjWcvaHPuFkvZgB

Scale = 1:10.2



LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - D 2x4 DRY

B - E 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

PLATES (table is in inches)

JT TYPE PLATES

B TMB1-I MT20

C TMBW-I MT20

F BMBW-w MT20

G BMBW-w MT20

W LEN Y X

3.0 4.0

4.0 4.0 2.00 1.50

2.0 4.0

2.0 4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	559	0	559	0	5-8	5-8
E	327	0	327	0	5-8	5-8
D	95	0	95	0	5-8	5-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): D

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	391	281/0	0/0	0/0	0/0	110/0	0/0
E	232	150/0	0/0	0/0	0/0	82/0	0/0
D	65	53/0	0/0	0/0	0/0	12/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, E, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0/20	-102.1 -102.1 0.13 (1)	10.00	C-F -791/0 0.13 (1)
B-I	-813/0	-102.1 -102.1 0.02 (1)	6.25	G-C 0/342 0.08 (1)
I-C	-808/0	-102.1 -102.1 0.17 (1)	6.25	H-I -208/0 0.00 (1)
C-D	-12/0	-102.1 -102.1 0.10 (1)	6.25	
B-H	0/583	-18.5 -18.5 0.25 (1)	10.00	
H-G	0/583	-18.5 -18.5 0.25 (1)	10.00	
G-F	0/586	-18.5 -18.5 0.49 (1)	10.00	
F-E	0/0	-18.5 -18.5 0.40 (1)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.23")

CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")

ALLOWABLE DEFL.(TL) = $L/360$ (0.23")

CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSI: TC=0.17/1.00 (C-E:1), BC=0.48/1.00 (F-G:1),

WB=0.13/1.00 (C-F:1), SS=0.26/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(FS) (PL) (PL)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (F) (INPUT = 0.90)

JSI METAL= 0.42 (F) (INPUT = 1.00)



DWG NO. TAM 7905466

STRUCTURAL

CONSTRUCTION



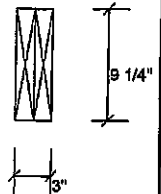
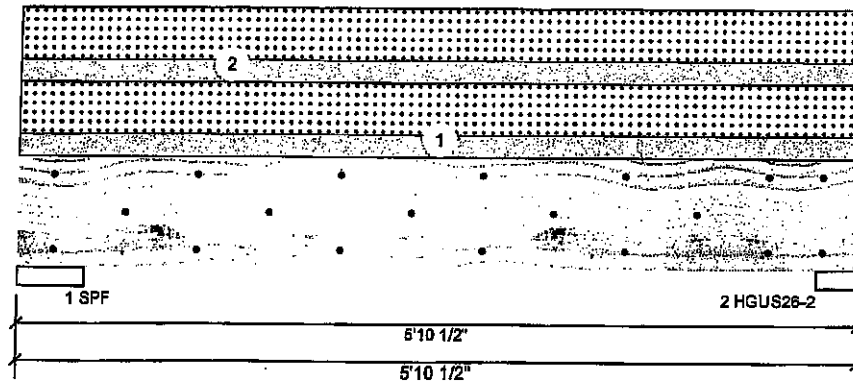
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401784
Project #:

Page 1 of 12

BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
Piles: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: Normal

Application: Floor (Residential)
Design Method: LSD
Building Code: NBCC 2015 / OBC 2012
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	329	759	0
2	0	311	717	0

Bearings and Factored Reactions

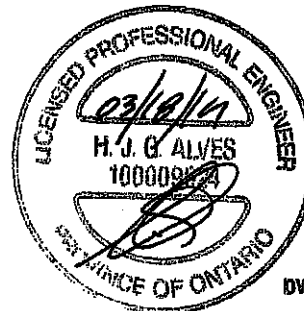
Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	411 / 1138	1550 L	1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1464 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (29%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/2789)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

- 1 Fasten all piles using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to fast page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



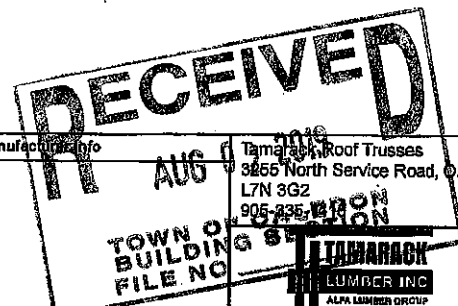
DWG NO. TAM 71905467
STRUCTURAL
COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		7-4-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

**THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE**

This design is valid until 12/11/2021

Manufacturer Info





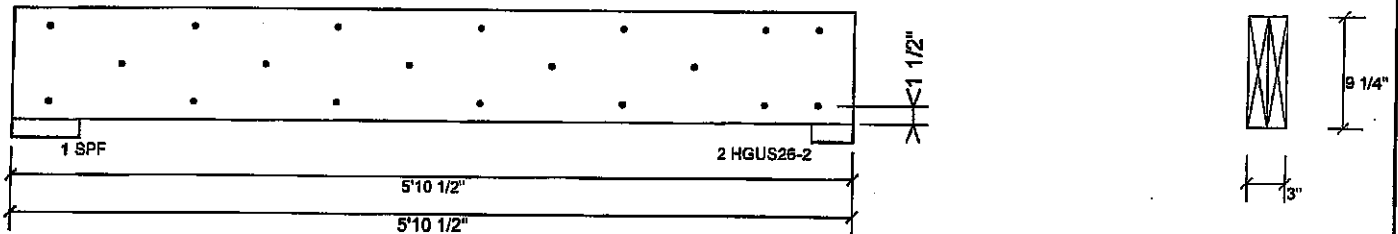
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 2 of 12

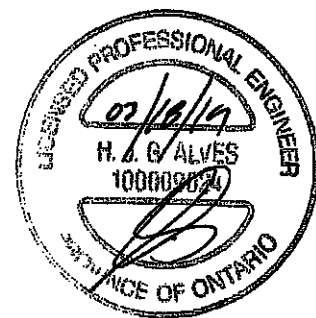
BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Multi-Ply Analysis**

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	88.4 %
Load	225.9 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00

DWG NO. TAM 17905467
STRUCTURAL
COMPONENT ONLY 42

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

This design is valid until 12/11/2021





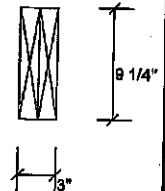
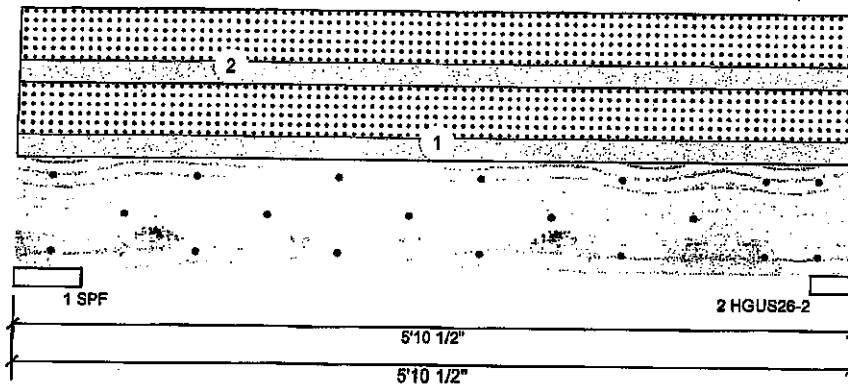
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 3 of 12

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
Piles: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: Normal

Application: Floor (Residential)
Design Method: LSD
Building Code: NBCC 2015 / OBC 2012
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	319	736	0
2	0	301	696	0

Bearings and Factored Reactions

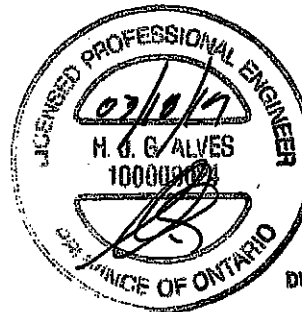
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.600"	15%	399 / 1104	1503 L 1.25D+1.5S
2 - HGUS...	3.500"	22%	377 / 1044	1420 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1715 ft-lb	3' 1/4"	6039 ft-lb	0.284 (28%)	1.25D+1.5S	L
Unbraced	1715 ft-lb	3' 1/4"	5223 ft-lb	0.328 (33%)	1.25D+1.5S	L
Shear	1306 lb	1'2"	3984 lb	0.328 (33%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9511)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.015 (L/4121)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.022 (L/2875)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

1. Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
2. Refer to last page of calculations for fasteners required for specified loads.
3. Girders are designed to be supported on the bottom edge only.
4. Top braced at bearings.
5. Bottom braced at bearings.
6. Lateral slenderness ratio based on single ply width.



DWG NO. TAM 71905468
STRUCTURAL
COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		7-1-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until: 12/11/2021





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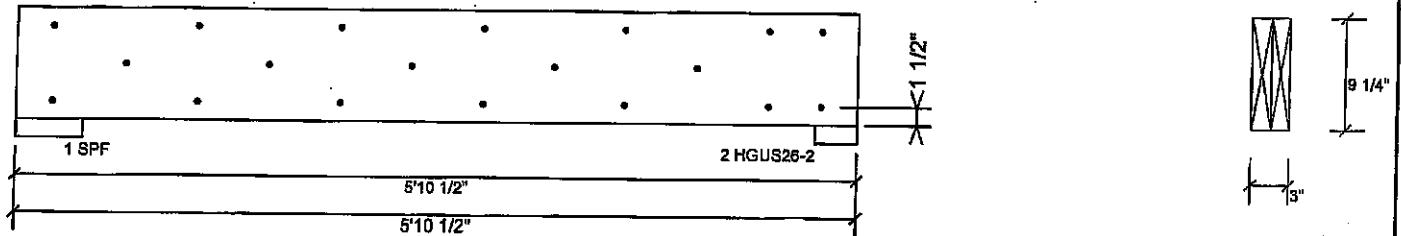
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 4 of 12

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

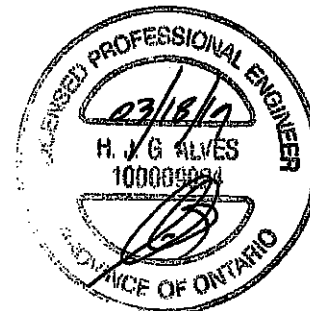
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	64.2 %
Load	218.2 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	g
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 11905468
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC. ALMA LUMBER GROUP

This design is valid until 12/11/2021





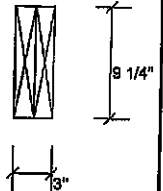
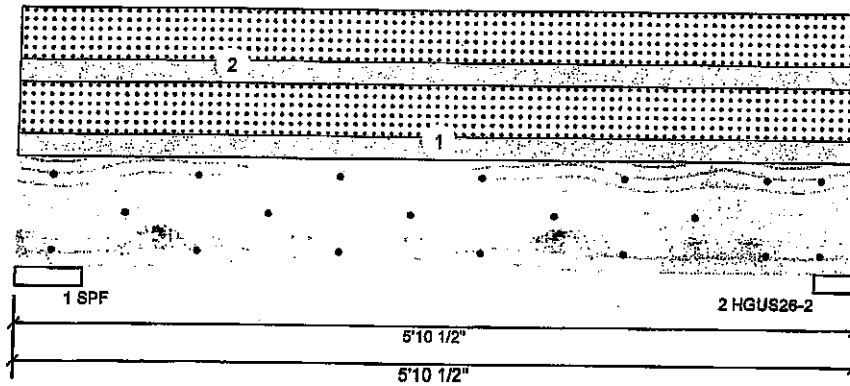
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 6 of 12

BM3 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
 Piles: 2
 Moisture Condition: Dry
 Deflection LL: 360
 Deflection TL: 360
 Importance: Normal

Application: Floor (Residential)
 Design Method: LSD
 Building Code: NBCC 2015 / OBC 2012
 Load Sharing: No
 Deck: Not Checked
 Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	358	827	0
2	0	339	781	0

Bearings and Factored Reactions

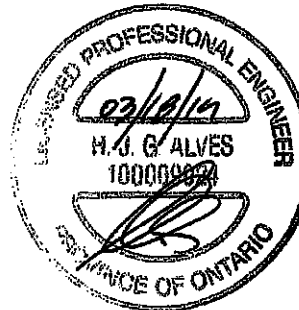
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	17%	448 / 1240	1688 L 1.25D+1.5S
2 - HGUS...	3.500"	25%	423 / 1172	1595 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1926 ft-lb	3' 1/4"	6039 ft-lb	0.319 (32%)	1.25D+1.5S	L
Unbraced	1926 ft-lb	3' 1/4"	5223 ft-lb	0.369 (37%)	1.25D+1.5S	L
Shear	1467 lb	1'2"	3984 lb	0.368 (37%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/8468)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl Inch	0.017 (L/3670)	3' 1/4"	0.175 (L/360)	0.100 (10%)	S	L
TL Defl Inch	0.025 (L/2560)	3' 1/4"	0.175 (L/360)	0.140 (14%)	D+S	L

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



DWG NO. TAM 1905469
 STRUCTURAL
 TAMPON/INERT ONLY 1/16

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		8-1-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
 3255 North Service Road, ON
 L7N 3G2
 905-335-1115



This design is valid until 12/11/2021





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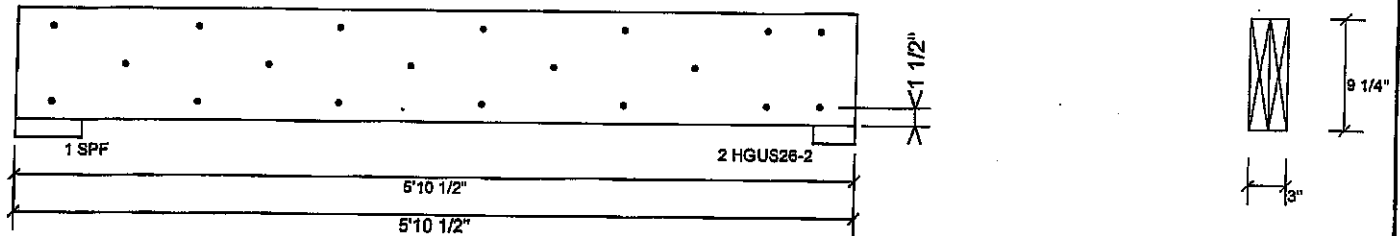
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 6 of 12

BM3 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

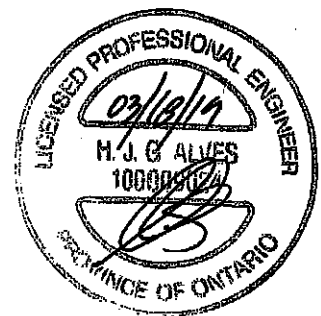
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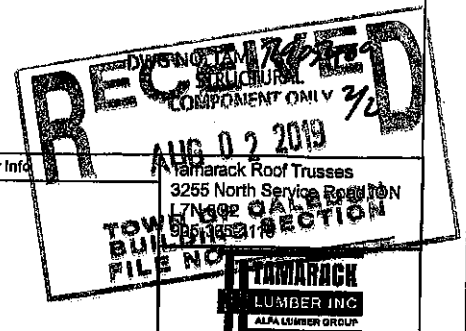
Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	73.2 %
Load	248.8 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



Manufacturer Info



This design is valid until 12/11/2021



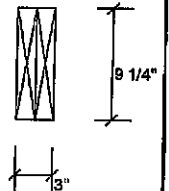
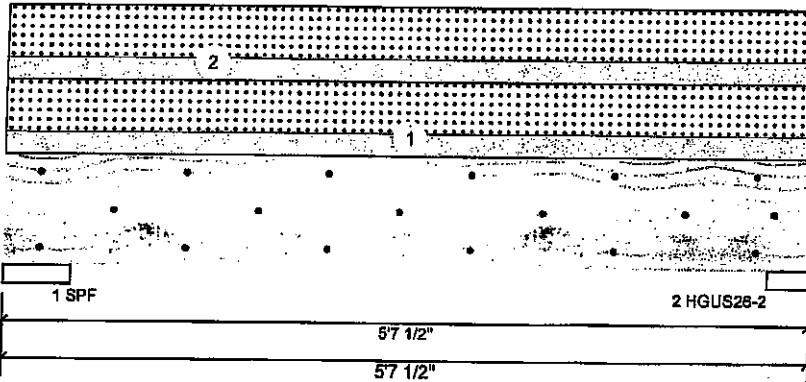
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401784
Project #:

Page 7 of 12

BM4 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Floor (Residential)
Plies:	2	Design Method:	LSD
Moisture Condition:	Dry	Building Code:	NBCC 2015 / OBC 2012
Deflection LL:	360	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal	Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	230	530	0
2	0	217	500	0

Bearings and Factored Reactions

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	11%	287 / 795	1083	L	1.25D+1.5S
2 - HGUS...	3.600"	16%	271 / 750	1020	L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1168 ft-lb	2'10 3/4"	6039 ft-lb	0.193 (19%)	1.25D+1.5S	L
Unbraced	1168 ft-lb	2'10 3/4"	5299 ft-lb	0.221 (22%)	1.25D+1.5S	L
Shear	935 lb	1'2"	3984 lb	0.235 (23%)	1.25D+1.5S	L
Perm Defl in. (L/14655)	0.004	2'10 3/4"	0.167 (L/360)	0.020 (2%)	D	Uniform
LL Defl inch	0.009 (L/8350)	2'10 3/4"	0.167 (L/360)	0.060 (6%)	S	L
TL Defl inch	0.014 (L/4430)	2'10 3/4"	0.167 (L/360)	0.080 (8%)	D+S	L

DWG NO. TARA 17905470
STRUCTURAL
COMPONENT ONLY 1/2**Design Notes**

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-1-4	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer InfoTamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

This design is valid until 12/11/2021





isDesign™

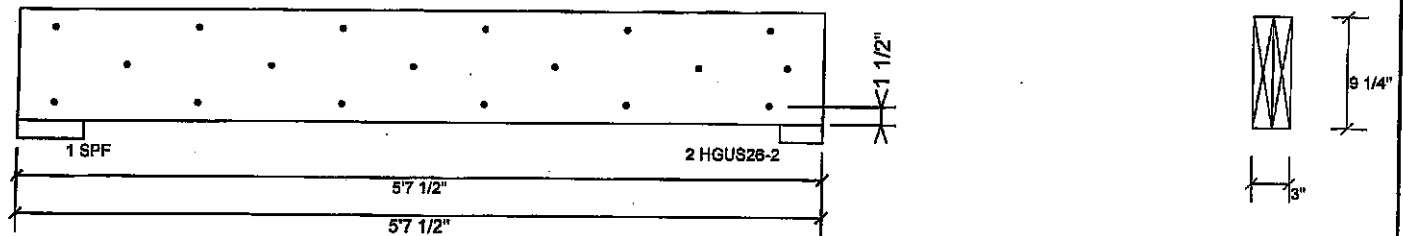
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 8 of 12

BM4 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

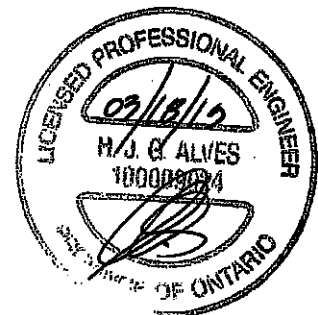
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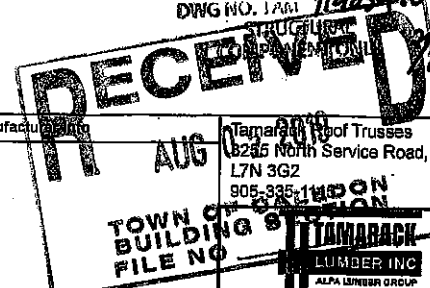
Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

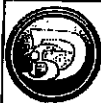
Capacity	46.0 %
Load	156.3 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. 1A01 7945479



This design is valid until 12/11/2021



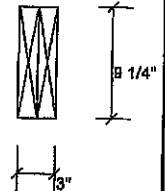
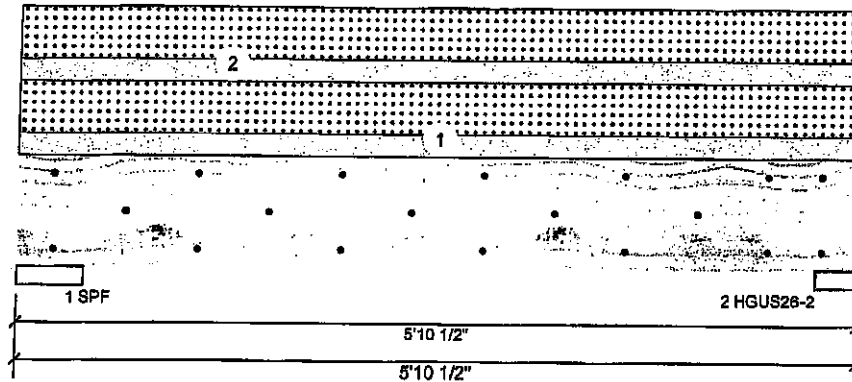
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 9 of 12

BM5 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**Type: Girder
Plies: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: NormalApplication: Floor (Residential)
Design Method: LSD
Building Code: NBCC 2015 / OBC 2012
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked**Unfactored Reactions UNPATTERNED lb (Uplift)**

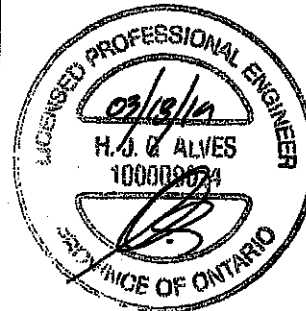
Brg	Live	Dead	Snow	Wind
1	0	247	570	0
2	0	233	539	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	11%	309 / 855	1164 L 1.25D+1.5S
2 - HGUS...	3.600"	17%	292 / 808	1100 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1328 ft-lb	3' 1/4"	6039 ft-lb	0.220 (22%)	1.25D+1.5S	L
Unbraced	1328 ft-lb	3' 1/4"	5223 ft-lb	0.254 (25%)	1.25D+1.5S	L
Shear	1012 lb	1'2"	3984 lb	0.254 (25%)	1.25D+1.5S	L
Perm Defl in. (L/12282)	0.005	3' 1/4"	0.175 (L/360)	0.030 (3%)	D	Uniform
LL Defl inch	0.012 (L/5322)	3' 1/4"	0.175 (L/360)	0.070 (7%)	S	L
TL Defl inch	0.017 (L/3713)	3' 1/4"	0.175 (L/360)	0.100 (10%)	D+S	L

**Design Notes**

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

DWG NO. TAM 77405471
STRUCTURAL
COMPONENT ONLY

1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-3-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer InfoTamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

This design is valid until 12/11/2021





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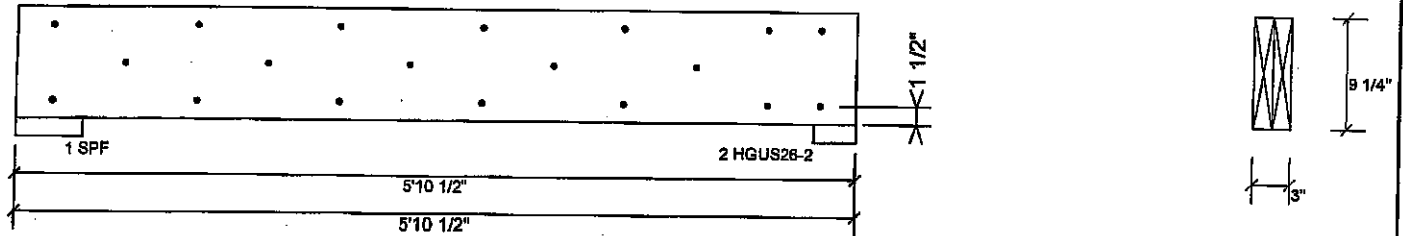
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 10 of 12

BM5 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

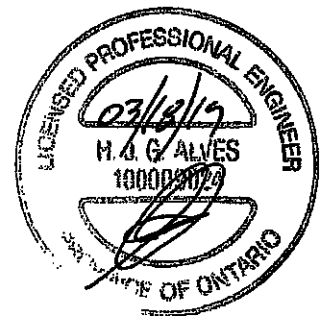
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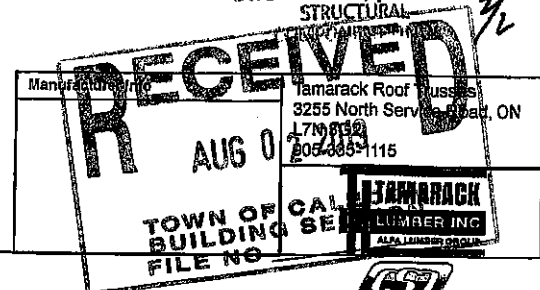
Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	47.7 %
Load	182.1 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	g
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 17905471
STRUCTURAL



This design is valid until 12/11/2021



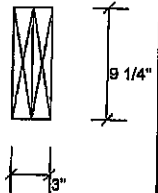
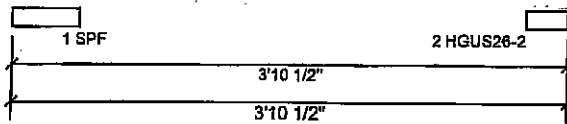
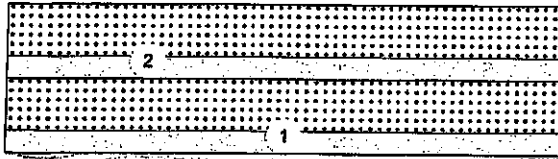
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 11 of 12

BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Floor (Residential)
Plies:	2	Design Method:	LSD
Moisture Condition:	Dry	Building Code:	NBCC 2015 / OBC 2012
Deflection LL:	360	Load Sharing:	No
Deflection TL:	380	Deck:	Not Checked
Importance:	Normal	Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

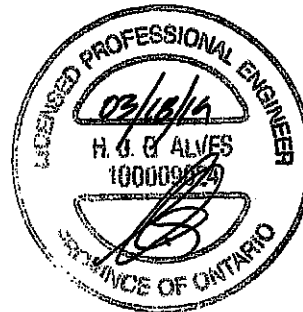
Brg	Live	Dead	Snow	Wind
1	0	165	381	0
2	0	152	350	0

Bearings and Factored Reactions

Bearing	Length	Cap. React	D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	8%	207 / 572	779 L	1.25D+1.5S
2 - HGUS...	3.500"	11%	190 / 525	715 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	509 ft-lb	2' 1/4"	6039 ft-lb	0.084 (8%)	1.25D+1.5S	L
Unbraced	509 ft-lb	2' 1/4"	5726 ft-lb	0.089 (9%)	1.25D+1.5S	L
Shear	626 lb	1'2"	3984 lb	0.157 (16%)	1.25D+1.5S	L
Perm Defl in.	0.001 (L/51772)	2' 1/4"	0.108 (L/360)	0.010 (1%)	D	Uniform
LL Defl inch	0.002 (L/22435)	2' 1/4"	0.108 (L/360)	0.020 (2%)	S	L
TL Defl inch	0.002 (L/15852)	2' 1/4"	0.108 (L/360)	0.020 (2%)	D+S	L

DWG NO. TAM 71905472
STRUCTURAL
COMPONENT ONLY

42

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-3-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

**THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE**

This design is valid until 12/11/2021

Manufacturer InfoTamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



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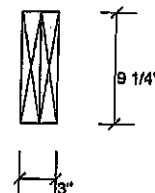
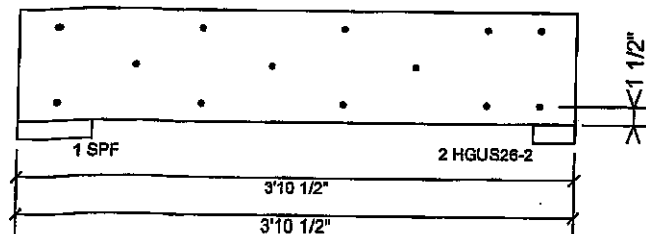
Client:
Project:
Address:

Date: 3/19/2019
Designer:
Job Name: 401794
Project #:

Page 12 of 12

BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

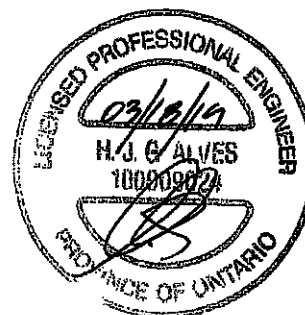
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Multi-Ply Analysis

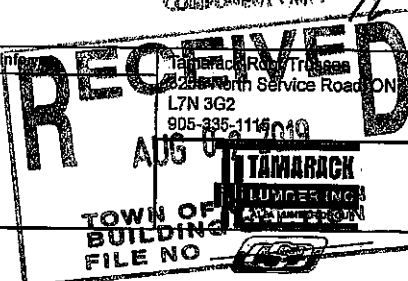
Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	47.7 %
Load	182.1 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 17905472
STRUCTURAL
COMPONENT ONLY 3/1

Manufacturer info



This design is valid until 12/11/2021

LUL/LUS/LJS/HUS/HHUS/HGUS

SIMPSON
Strong-Tie

Standard and Double-Shear Joist Hangers



This product is preferable to similar connectors because of
a) easier installation, b) higher capacities, c) lower installed
cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

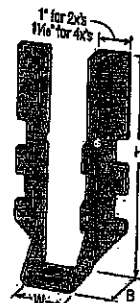
Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

Installation:

- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, and reduce the resistance to 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

- LJS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



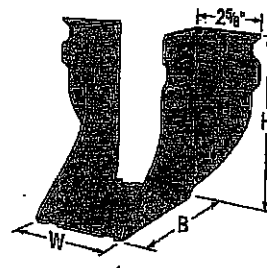
✓ LUS28



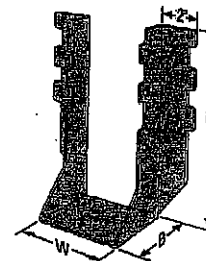
LU26L



✓ HUS210
(HUS26, HUS28,
and HHUS similar)



✓ HGUS28-2



✓ HHUS210-2



Double-Shear
Nailing
Top View

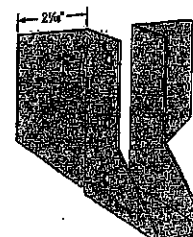
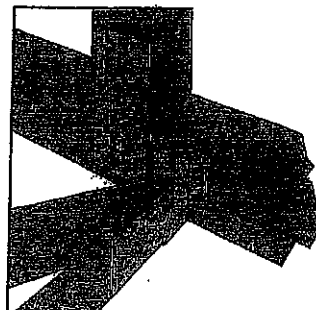


Double-Shear
Nailing
Side View;
Do not
bend tab



Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,603,580

Typical HUS26
Installation
with Reduced
Heel Height
(Truss Designer
to provide
fastener quantity
for connecting
multiple members
together)



LJS26DS

Plated Truss Connectors

LUL/LUS/LJS/HUS/HHUS/HGUS**HHUS/HGUS**

See Hanger Options Information on pp. 125–127.

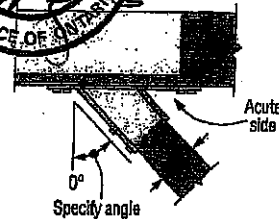
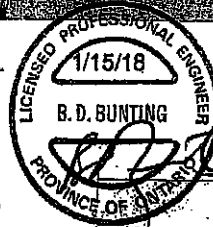
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
W < 2"	Bevel or square cut	0.62 of table value	0.46 of table value
2" < W < 6"	Bevel cut	0.87 of table value	0.41 of table value
2" < W < 6"	Square cut	0.46 of table value	0.41 of table value
W > 6"	Bevel cut	0.75 of table value	0.41 of table value

**Top View HHUS Hanger Skewed Right**

(joist must be bevel cut)
All joist nails installed on the outside angle (non-acute side).

Standard and Double-Shear Joist Hangers (cont.)

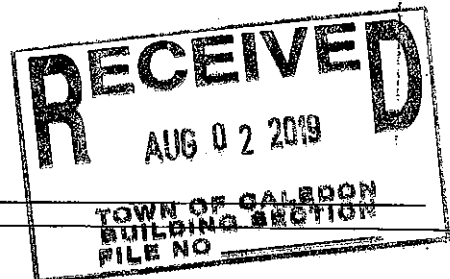
These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32–34 for more information.

Model No.	Ea.	Dimensions (in.)					Fasteners		Factored Resistance			
		W	F ^a	B	d ₀ ^a	Header	Joist	Uplift		Normal		
								lb.	lb.	lb.	lb.	
								(K _n = 1.15)	(K _n = 1.00)	(K _n = 1.15)	(K _n = 1.00)	
Single 2x Sizes												
■ LUS24	18	1½	3¼	1¼	2¼	(4) 10d	(2) 10d	710	1625	645	1155	
								2467	5674	2167	5074	
								1020	320	725	1622	
■ LU24L	22	1½	3	1¼	2¼	(4) 10d	(2) 10d x 1½"	360	1020	320	725	
								1220	3420	1067	2422	
								1605	645	1140	2577	
■ LU26L	22	1½	5	1¼	4½	(6) 10d	(4) 10d x 1½"	720	1605	645	1140	
								2467	5674	2167	5074	
								2875	6975	2675	6075	
■ LUS26	18	1½	4¼	1¼	3¾	(4) 10d	(4) 10d	1420	2170	1290	1630	
								4574	6974	2874	3725	
								2065	3875	1724	4115	
■ HUS26	18	1½	5¾	3	3¾	(14) 16d	(6) 16d	2705	4940	2065	3875	
								8425	15125	6225	11725	
								4265	8125	3365	6075	
■ LUS26BS	18	1½	5	3¼	4¾	(16) 16d	(6) 16d	2055	4265	1460	4115	
								6365	13425	4495	12435	
								2885	6825	2885	5700	
■ HGUS26	12	1½	5¾	5	4¾	(20) 16d	(8) 16d	2885	6825	2885	5700	
								8955	21625	11190	25335	
								1140	2185	1020	1650	
■ LU28L	20	1½	8¼	1¼	5¾	(8) 10d	(6) 10d x 1½"	1140	2185	1020	1650	
								3540	6975	3360	6075	
								2620	1290	1790	4075	
■ LUS28	18	1½	6¼	1¼	3¾	(8) 10d	(4) 10d	1420	2620	1290	1790	
								4370	8120	3770	5190	
								5365	2675	4345	9975	
■ HUS28	16	1½	7¼	3	6¼	(22) 16d	(8) 16d	3605	5365	2675	4345	
								11055	16125	8190	13335	
								7675	3310	6900	15335	
■ HGUS28	12	1½	7¼	5	6¼	(36) 16d	(12) 16d	3310	7675	3310	6900	
								10170	23525	10170	21335	
								1474	3073	1770	3770	
■ LU210L	20	1½	8	1¼	7¾	(10) 10d	(6) 10d x 1½"	1140	2495	1020	1770	
								3540	7485	3360	6075	
								2785	1290	2210	5075	
■ LUS210	18	1½	7¼	1¼	3¾	(8) 10d	(4) 10d	1420	2785	1290	2210	
								4370	8235	3770	5075	
								574	983	2210	4983	

1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d₀ is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. Nails: 16d = 0.162" dia., x 3 1/4" long. See pp. 27–28 for other nail sizes and information.

C-C-04N1018 9/2017 SIMPSON STRONG-TIE COMPANY INC.



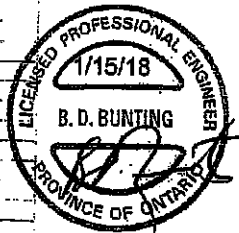
Face-Mount Hangers

SIMPSON
Strong-Tie

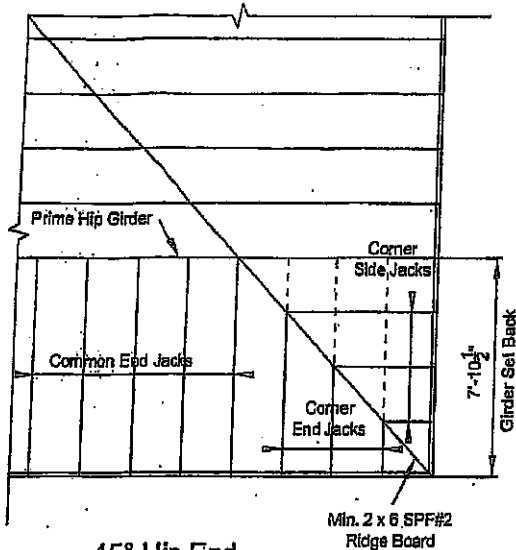
These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _h	Header	Joist	D.F.P.		S-P-F	
								lb.	lb.	Uplift (K _g = 1.1k)	Normal (K _g = 1.0k)
Double 2x Sizes										kN	kN
LUS24-2	18	3 1/8	5 1/8	2	1 1/8	(4) 16d	(2) 16d	835	2020	590	1435
LUS26-2	18	3 1/8	4 7/8	2	4	(4) 16d	(4) 16d	1720	2585	1545	1920
HHUS26-2	14	3 1/8	5 3/8	3	3 1/8	(14) 16d	(8) 16d	2860	7335	2065	6205
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS28-2	18	3 1/8	7	2	4	(8) 16d	(4) 16d	1720	3325	1545	2575
HHUS28-2	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS210-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(48) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes										21.60	45.69
HGUS26-3	12	4 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865
HGUS210-3	12	4 1/8	9 1/8	4	8 1/8	(48) 16d	(16) 16d	6840	14645	4855	10400
Quadruple 2x Sizes										21.60	46.26
HGUS26-4	12	6 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 1/8	8 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 1/8	9 1/8	4	8 1/8	(48) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	6 1/8	12 1/8	4	11 1/8	(68) 16d	(22) 16d	10130	16400	7195	11645
4x Sizes										32.00	51.80
LUS48	18	3 1/8	4 1/8	2	3 1/8	(4) 16d	(4) 16d	1720	2585	1545	1920
HHUS48	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(8) 16d	2540	7335	2065	6205
HGUS48	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 1/8	6 1/8	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS48	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 1/8	8 1/8	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 1/8	9	4	8 1/8	(48) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS414	12	3 1/8	12 1/8	4	11 1/8	(68) 16d	(22) 16d	10130	16400	7195	11645



Plated Truss Connectors



45° Hip End

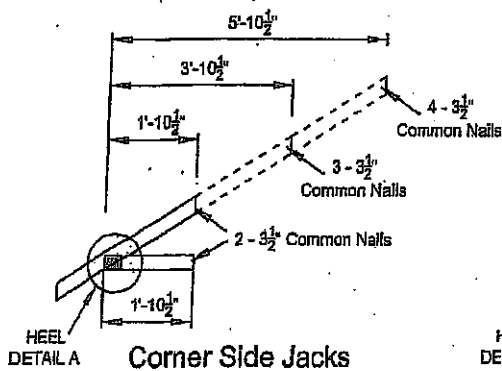
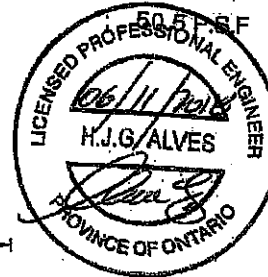
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

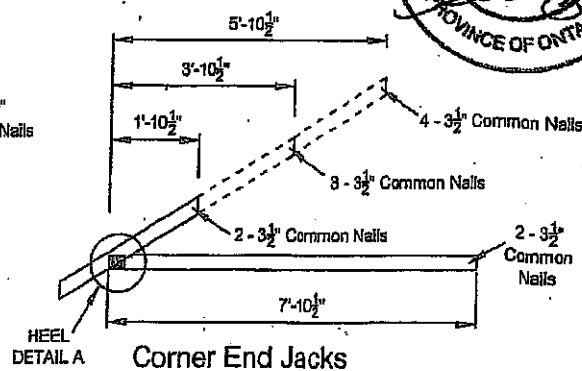
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

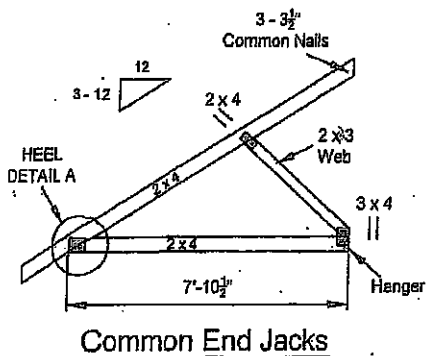
TOTAL LOAD



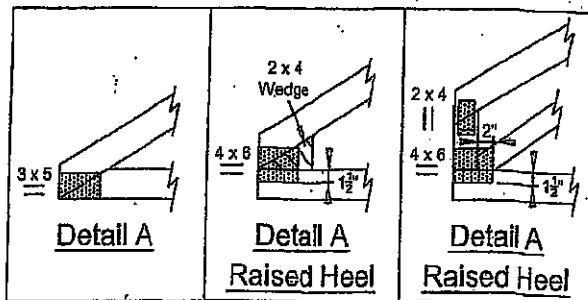
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800217

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE

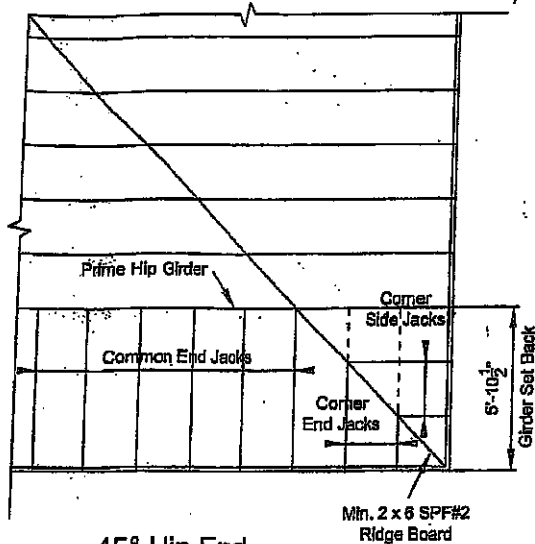
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

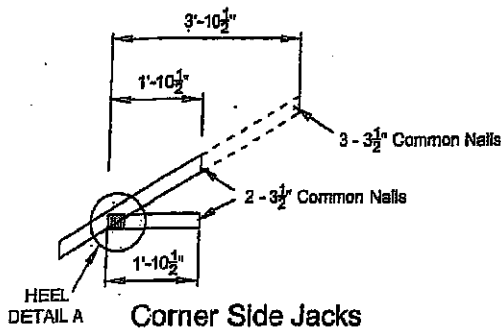
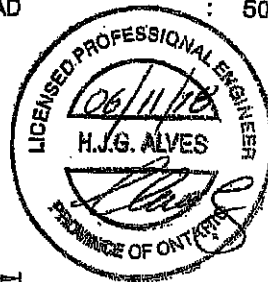
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
TOP CHORD DEAD LOAD : 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

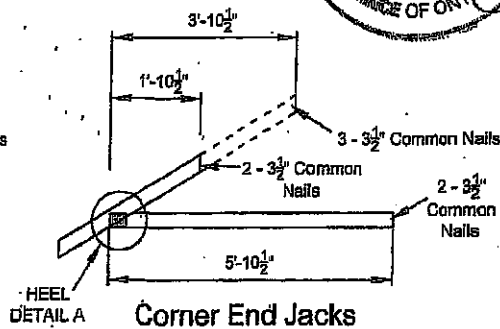
TOTAL LOAD : 50.5 P.S.F.



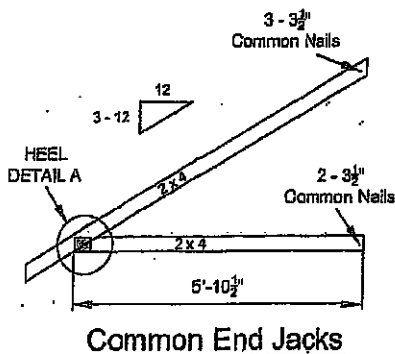
45° Hip End



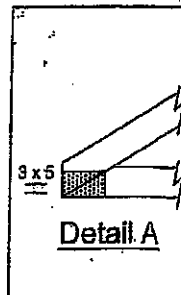
Corner Side Jacks



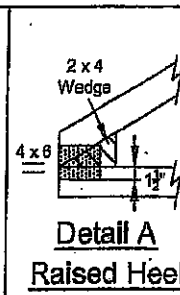
Corner End Jacks



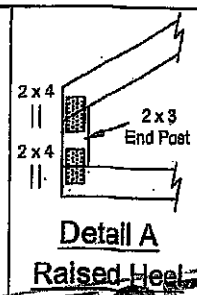
Common End Jacks



Detail A

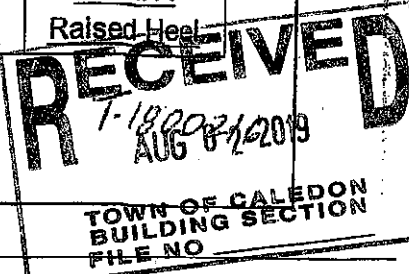


Detail A
Raised Heel



Detail A
Raised Heel

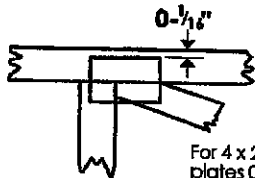
NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)



Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/4\" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

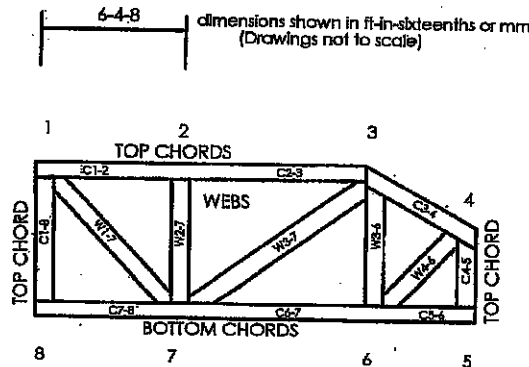


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
Design Standard for Bracing.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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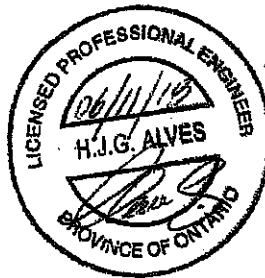
MiTek Engineering Reference Sheet: MII-7473C rev. 10-08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.

RECEIVED
AUG 02 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO.



Alves Engineering Services Inc.

5208 Easton road
Burlington, Ontario L7L 6N6
(289) 259 5455

RESPONSABILITIES

1-Alves Engineering Services 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 having jurisdictions.

3- All dimensions are to be verified by owner, contractor, architect or other authority before manufacture.

4- Alves Engineering Services 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 Alves Engineering Services Inc. drawings is specified for the truss as a single component and forms an integral part of the truss design, but is not meant to represent the only required bracing for that truss when trusses are installed in a series of trusses forming a roof truss system.

5- It is the manufactures responsibility to ensure that the trusses are manufactured in conformance with Alves Engineering Services Inc. specifications outlined below.

SPECIFICATIONS

1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate Institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.

2- Lumber is to be the sizes and grade specified on the truss drawing.

3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.

4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings

5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.

6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)

7- When rigid ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals.

8- Refer to Mitek sheet M117473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1900218

Feb 09, 2018