

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

REVIEWED BY B. S. SNELL
DATE JULY 25/19
FILE # HORIZON 1 - ELEV 1

HORIZON 12
TH 96-1 / 1
401795
25-07-00

HORIZON 2
TH 96-2 / 1
401796
22-03-12

HORIZON 2
TH 96-3 / 1
401797
22-03-12

HORIZON 1
TH 96-4 / 1
401798
22-03-12

HORIZON 3E
TH 96-5 / 1
401799
20-10-00

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

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)

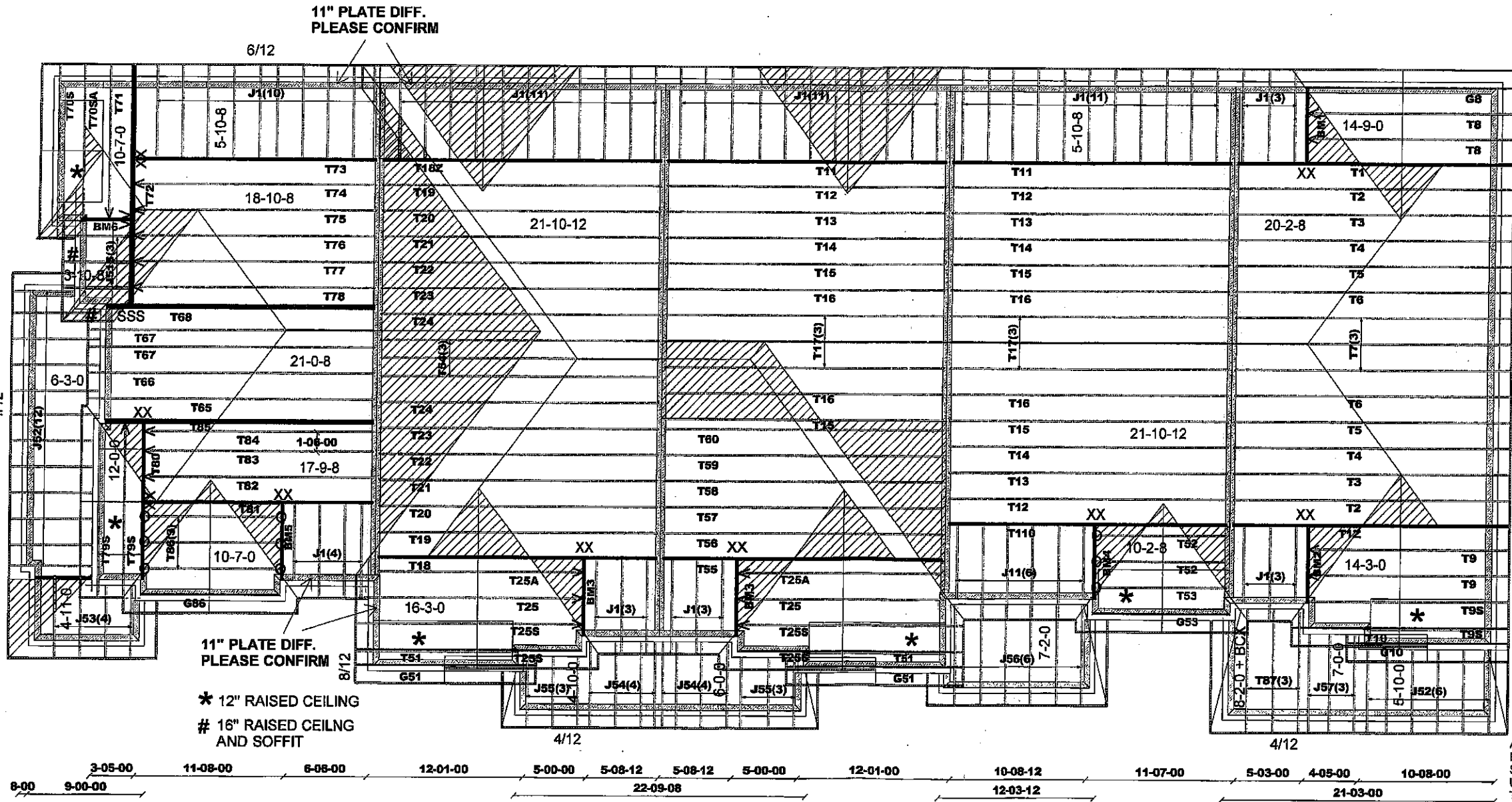
DENOTES
CONV.
FRAMING

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

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 8"

APPLICANT COPY



* 12" RAISED CEILING
16" RAISED CEILING
AND SOFFIT



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 DiCano 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
REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY
TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.

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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	241.13 151.33		
	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	G61 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		
	3	T54 Half Hip	8 / 12	21-10-12	11-01-04	2 x 4		1-07-02 11-01-04	408.79 250.50		

DELIVERY SHIPLIST



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

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 PlanLog: 200648
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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. 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	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:

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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. 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		
	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

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



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
 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	410.81 263.00		
	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
 Plan Log: 200648
 Layout ID: 401795
 Ref #
 Page: 2 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
	2	T79S Roof Special	6/12	12-00-00	4-02-00	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	102.86 88.33		
	1 2-ply	T80 Common Girder	6/12	12-00-00	4-02-00	2 x 4 2 x 6		1-02-00 1-02-00	112.13 70.00		
	1 2-ply	T81 Flat Girder	0/12	17-09-08	4-01-04	2 x 4 2 x 6		4-01-04 4-01-04	170.78 106.67		
	1	T82 Half Hip	8/12	17-09-08	5-01-04	2 x 4		1-06-13 5-01-04	78.2 49.50		
	1	T83 Half Hip	8/12	17-09-08	6-01-04	2 x 4		1-06-13 6-01-04	78.66 49.67		
	1	T84 Half Hip	8/12	17-09-08	6-10-04	2 x 4		1-06-13 6-10-04	82.45 52.33		
	1 3-ply	T85 Half Hip Girder	8/12	21-00-08	7-02-00	2 x 4 2 x 6		1-04-13 7-02-00	348.49 218.00		
	3	T86 Common	8/12	10-07-00	5-00-02	2 x 4	1-03-08 1-03-08	1-06-13 1-04-13	133.9 86.00		
	1	G86 GABLE	8/12	10-10-00	5-00-02	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	47.14 31.17		
	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		
	3	J51S Jack-Open	-8/12	3-10-08	5-03-13	2 x 4	1-03-08	5-03-13 1-04-13	58.99 36.50		
	12	J52 Jack-Open	4/12	6-03-00	2-09-14	2 x 4	1-03-08	3-15 2-00-04	220.28 146.00		
	4	J53 Jack-Open	4/12	4-11-00	2-04-08	2 x 4	1-03-08	3-15 1-11-10	52.72 32.00		

TOTAL # TRUSS= 69

TOTAL BFT OF ALL TRUSSES= 2246.66

BFT.

TOTAL WEIGHT OF ALL TRSSES 3548.25 LBS

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
Builder: GREEN PARK HOMES
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Location: CALEDON
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Lot #:
Elevation:

Job Track: 50033
PlanLog: 200648
Layout ID: 401795
Ref #
Page: 3 of 3
Date: 03/12/2019
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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
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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	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	188.48 113.67		
	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	31.68 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		

DELIVERY SHIPLIST



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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



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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
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200648
 Layout ID: 401799
 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
	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

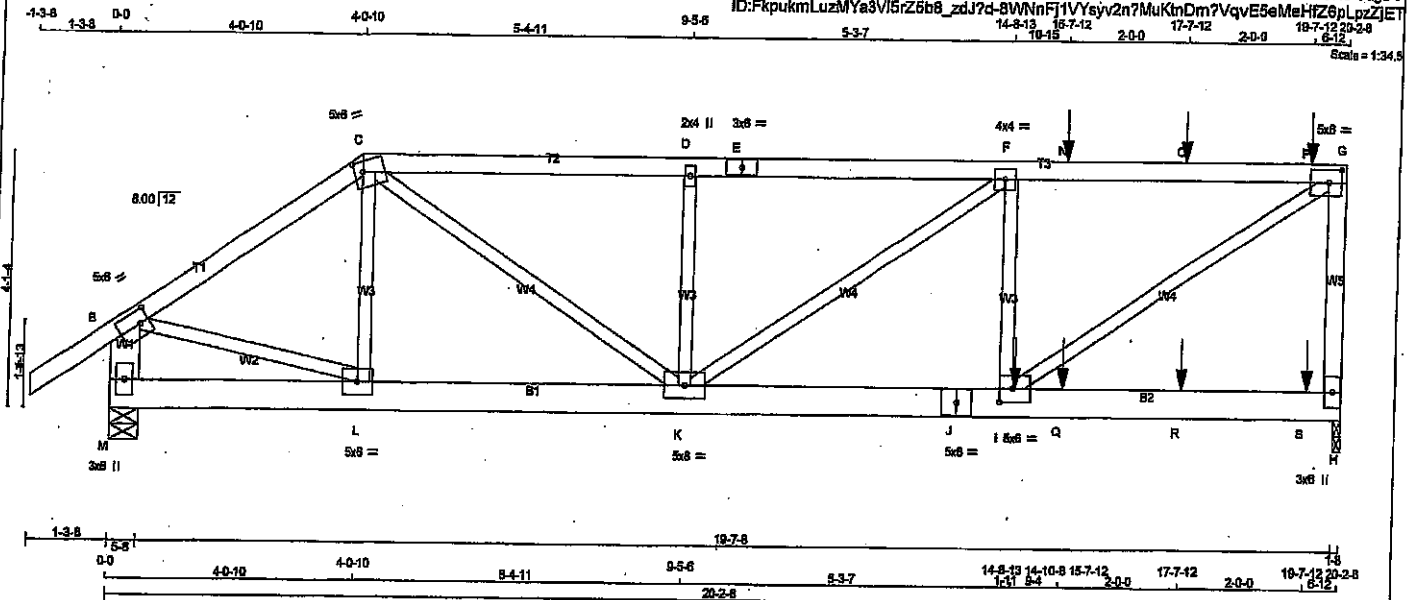
QTY	TYPE	MODEL	LENGTH
4	Hardware	LJS28DS	
2	Hardware	HGUS28-2	

TOTAL NUMBER OF ITEMS= 6

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESO.	GREEN PARK HOMES	DRWG NO.
401768	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FpkukmLuzMYa3Vf5rZ6b8_zdJ7q-8WVnFj1VYsv2n7MuKtmDm7VqvE5eMeHfZ6pLpzJtET
14-8-13 15-7-12 2-0-0 17-7-12 2-0-0 19-7-12 20-2-8 6-18
Scale = 1:34.5



TOTAL WEIGHT = 2 X 94 = 187 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	
E - G	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
M - B	2x6	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	
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-C	12	TOP
C-E	12	TOP
E-G	12	TOP
G-H	12	TOP
M-B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J	12	SIDE(0.1)
J-H	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
I-F	6	SIDE(177.3)
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
B TMWV-t	MT20	5.0	6.0	2.50	1.75
C TTWW-m	MT20	5.0	6.0	2.00	1.75
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	2.50
H BMV1+p	MT20	3.0	6.0		
I BMWV-t	MT20	5.0	6.0	2.50	2.50
J BS-t	MT20	5.0	6.0		
K BMWV-t	MT20	5.0	6.0		
L BMWV-t	MT20	5.0	6.0		
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	REQD BRG
JT	VERT	DOWN	UP/LIFT	IN-SX
H	2628	0	0	1-8
M	1780	0	0	5-8

UNFACTORED REACTIONS

1ST LOASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
H	1844 1293 / 0 0 / 0 0 / 0 552 / 0 0 / 0
M	1247 883 / 0 0 / 0 0 / 0 384 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.78 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.	UNBRAC	MEMB.	FORCE	MAX
MEMB.	FORCE	(LBS)	(PLF)	(LC)	(LC)	(LC)	LENGTH	FR-TO	(LBS)	CS1 (LC)
A-B	0 / 39									
B-C	-1880 / 0		-102.1	-102.1	0.08 (1)	10.00	L-C	-285 / 0	0.03 (1)	
C-D	-2778 / 0		-102.1	-102.1	0.18 (1)	6.18	B-L	0 / 1589	0.20 (1)	
D-E	-2778 / 0		-102.1	-102.1	0.25 (1)	5.23	I-G	0 / 3735	0.48 (1)	
E-F	-2778 / 0		-102.1	-102.1	0.38 (1)	5.07	G-K	0 / 1507	0.19 (1)	
F-N	-3087 / 0		-102.1	-102.1	0.35 (1)	5.07	I-F	-910 / 0	0.08 (1)	
N-O	-3087 / 0		-102.1	-102.1	0.42 (1)	4.78	K-D	-552 / 0	0.07 (1)	
O-P	-3087 / 0		-102.1	-102.1	0.42 (1)	4.78	K-F	-552 / 0	0.07 (1)	
P-G	-3087 / 0		-102.1	-102.1	0.42 (1)	4.78				
H-G	-2528 / 0		0.0	0.0	0.51 (1)	7.13				
M-B	-1753 / 0		0.0	0.0	0.08 (1)	7.81				
M-L	0 / 0		-17.5	-17.5	0.03 (4)	10.00				
L-K	0 / 1536		-17.5	-17.5	0.12 (1)	10.00				
K-J	0 / 3087		-17.5	-17.5	0.24 (1)	10.00				
J-I	0 / 3087		-17.5	-17.5	0.24 (1)	10.00				
I-Q	0 / 0		-17.5	-17.5	0.08 (4)	10.00				
Q-R	0 / 0		-17.5	-17.5	0.08 (4)	10.00				
R-S	0 / 0		-17.5	-17.5	0.05 (4)	10.00				
S-H	0 / 0		-17.5	-17.5	0.08 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL
I	14-10-8	-1381	-1381		BACK	VERT	
N	15-7-12	-123	-123		BACK	VERT	
O	17-7-12	-123	-123		BACK	VERT	
P	19-7-12	-145	-145		BACK	VERT	
Q	15-7-12	-25	-25		BACK	VERT	
R	17-7-12	-25	-25		BACK	VERT	
S	18-7-12	-29	-29		BACK	VERT	

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 085-08, CSA 085-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 5.4 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 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CS1: TC=0.42/1.00 (F-G:1), BC=0.24/1.00 (H-K:1), WB=0.46/1.00 (G-L:1), SS=0.23/1.00 (F-G: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 (PS)	SECTION (PL)
MT20	618 354 1657 788 1987 1655	

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

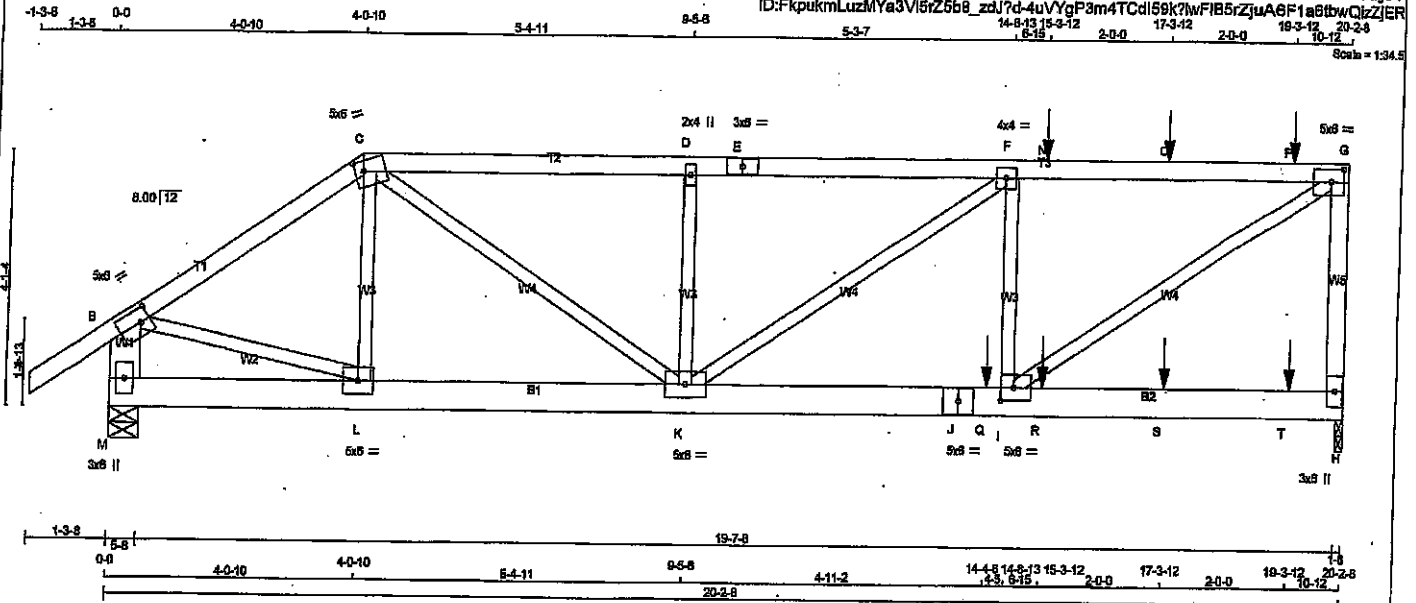
JSI GRIP= 0.76 (G) (INPUT = 0.90)
JSI METAL= 0.39 (I) (INPUT = 1.00)

DWG NO. TAM 1905352
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T12	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 94 = 187 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
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x6	DRY	No.2	SPF
M - J	2x6	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF

ALL WEBS EXCEPT 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	SIDE(0.0)
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	SIDE(0.0)
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 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
B	TMVW-1	MT20	5.0	6.0	2.50	1.75
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMW-w	MT20	2.0	4.0		
E	TS-1	MT20	3.0	6.0		
F	TMVW-1	MT20	4.0	4.0		
G	TMVW-1	MT20	5.0	6.0	2.50	2.50
H	BMV1+p	MT20	3.0	6.0		
I	BMVW-1	MT20	5.0	6.0	2.50	2.50
J	BS-1	MT20	5.0	6.0		
K	BMVW-1	MT20	5.0	6.0		
L	BMVW-1	MT20	5.0	6.0		
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 IN-SX	REQD BRG IN-SX
JT VERT	2575	0	0	1-8
H VERT	1810	0	0	5-8
M VERT	1810	0	0	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
H	1806	1286 / 0	0 / 0	0 / 0	540 / 0	0 / 0	
M	1286	898 / 0	0 / 0	0 / 0	370 / 0	0 / 0	

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX (LBS)	MAX. UNBRACED LENGTH (FT)	FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
A-B	0 / 39	-102.1	-102.1	0.08 (1)	10.00	L-C	-293 / 0	0.04 (1)		
B-C	-1895 / 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	0.38 (1)	5.00	C-K	0 / 1580	0.20 (1)		
E-F	-2875 / 0	-102.1	-102.1	0.38 (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 / 1586	-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	0.08 (4)	10.00					
S-T	0 / 0	-17.5	-17.5	0.08 (4)	10.00					
T-H	0 / 0	-17.5	-17.5	0.08 (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
BOY 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 NBC 2015, OBC 2012
- CSA 086-08, CSA 086-14
- TPC 2011, TPC 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 (0.87")
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), BC=0.33/1.00 (H-K-1),
WB=0.47/1.00 (G-I-1), SS=0.45/1.00 (H-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)
MT20	818	354 1667 789 1997 1656

PLATE PLACEMENT TOL = 0.250 inches

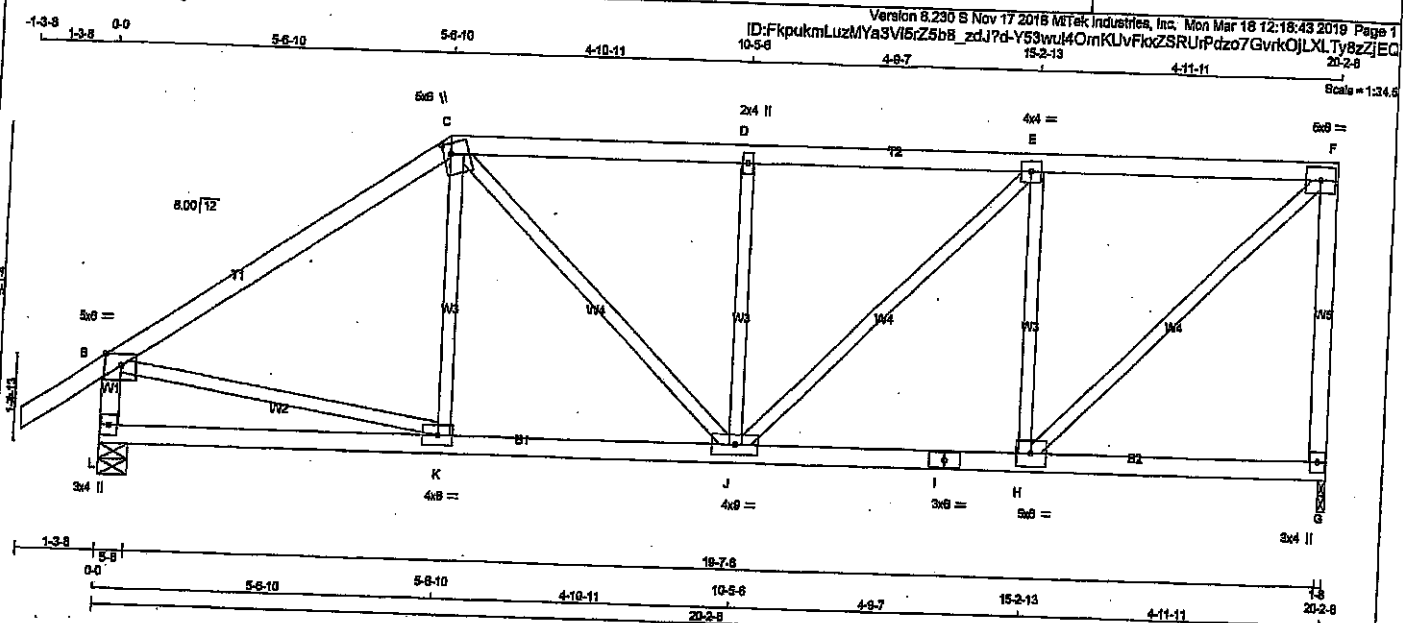
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)

JSI METAL= 0.42 (J) (INPUT = 1.00)

DRWG NO. TAM 7705353
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



LUMBER	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES				
CHORDS				
A - C	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
J - L	2x4	DRY	No.2	SPF
M - O	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				
BT	5.0	8.0	Edge	
CT	5.0	8.0	2.00	1.50
DT	2.0	4.0		
ET	4.0	4.0		
FT	5.0	6.0		
GT	5.0	6.0		
HT	5.0	6.0		
IT	5.0	6.0		
JT	5.0	6.0		
KT	5.0	6.0		
LT	5.0	6.0		
MT	5.0	6.0		
NT	5.0	6.0		
OT	5.0	6.0		
PT	5.0	6.0		
QT	5.0	6.0		
RT	5.0	6.0		
ST	5.0	6.0		
TT	5.0	6.0		
UT	5.0	6.0		
VT	5.0	6.0		
WT	5.0	6.0		
XT	5.0	6.0		
YT	5.0	6.0		
ZT	5.0	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	REQD BRG
JT	VERT	DOWN	BRG	BRG
G	1208	1208	1-8	1-8
L	1349	1349	5-8	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
G	849	587/0
L	946	688/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.86 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			FR-TO	
A-B	0/39	-102.1 -102.1 0.14 (1)	K-C	-88/59
B-C	-1237/0	-102.1 -102.1 0.03 (1)	L-D	0/1047
C-D	-1317/0	-102.1 -102.1 0.35 (1)	M-E	0/1390
D-E	-1317/0	-102.1 -102.1 0.37 (1)	N-F	0/407
E-F	-989/0	-102.1 -102.1 0.35 (1)	O-G	-888/0
F-G	-1173/0	0.0 0.0 0.52 (1)	P-H	-534/0
G-H	-1308/0	0.0 0.0 0.13 (1)	Q-I	0/451
H-I	0/0	-17.5 -17.5 0.12 (4)	R-J	0/0
I-J	0/1026	-17.5 -17.5 0.23 (1)	S-K	0/0
J-K	0/899	-17.5 -17.5 0.21 (1)	T-L	0/0
K-L	0/899	-17.5 -17.5 0.21 (1)	U-M	0/0
L-M	0/0	-17.5 -17.5 0.10 (4)	V-N	0/0

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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 085-09, CSA 086-14
- TFC 2011, TFC 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 (0.67")
CALCULATED VERT. DEFL. (LL) = L/899 (0.04")
ALLOWABLE DEFL. (TL) = L/860 (0.67")
CALCULATED VERT. DEFL. (TL) = L/999 (0.06")

CSI: TC=0.62/1.00 (B-C:1), BC=0.23/1.00 (J-K:1), VB=0.33/1.00 (E-H:1), SI=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.

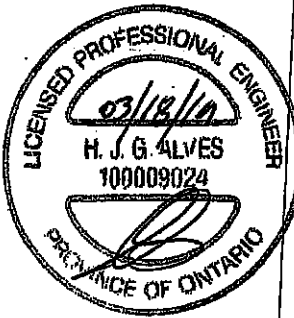
NAIL VALUES	PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
	MAX	MIN	MAX
MT20	618	354	1687

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP= 0.77 (B) (INPUT = 0.90)
ISI METAL= 0.30 (I) (INPUT = 1.00)

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



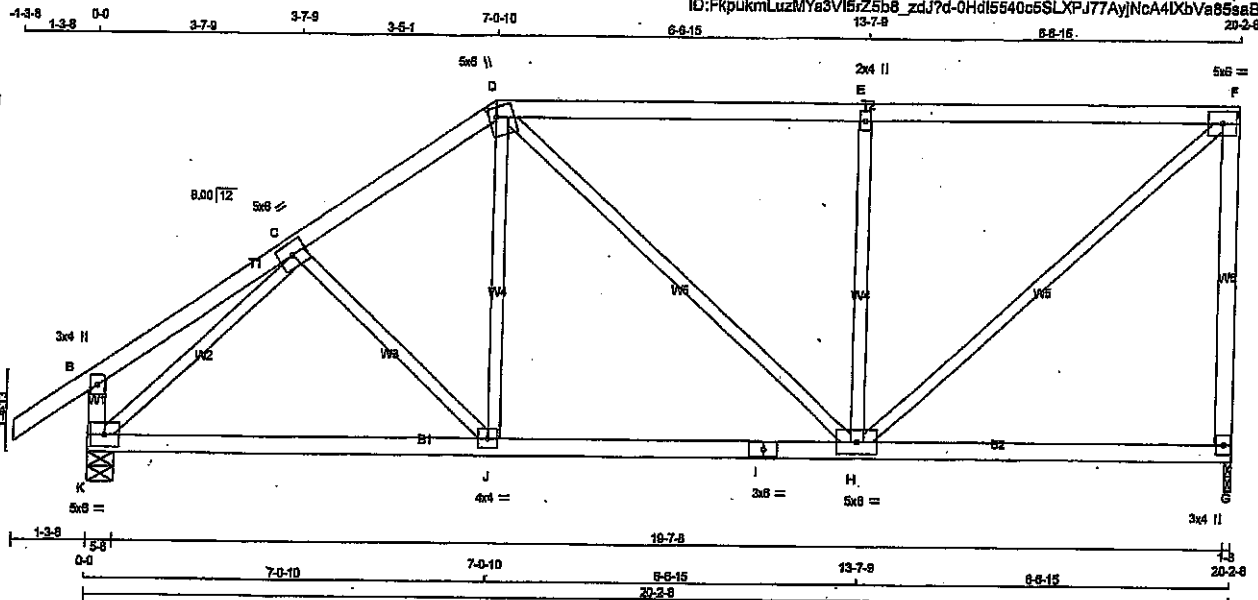
DRWG NO. TAM 714053.54
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T3	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:PkpkumLuzMYa3V15rZ5b8_zdJ7d-0Hd15540c5SLXPJ77AyjNcA4DxbVa855aB41UazZjEP



Scale = 1/32"

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

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	6.0		
D	TTVW+W	MT20	5.0	6.0	2.00	1.50
E	TMVW-t	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWV-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		

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
G	1208	0	1208	0
K	1349	0	1349	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	848	587/0	0/0	0/0	0/0	283/0	0/0
K	946	666/0	0/0	0/0	0/0	278/0	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 = 4.61 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)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED MOMENT (LBS-FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED MOMENT (LBS-FT)
FR-TO						FR-TO			
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00	C-J	-105/16	0.04 (1)	10.00
B-C	0/22	-102.1	-102.1	0.19 (1)	10.00	J-D	0/204	0.05 (4)	10.00
C-D	-1188/0	-102.1	-102.1	0.22 (1)	5.80	D-H	0/76	0.02 (1)	10.00
D-E	-1029/0	-102.1	-102.1	0.82 (1)	4.61	H-E	-833/0	0.49 (1)	10.00
E-F	-1028/0	-102.1	-102.1	0.82 (1)	4.61	H-F	0/1369	0.31 (1)	10.00
G-F	-1160/0	0.0	0.0	0.84 (1)	7.35	K-C	-1458/0	0.56 (1)	10.00
K-B	-280/0	0.0	0.0	0.03 (1)	7.81				
K-J	0/1044	-17.5	-17.5	0.27 (1)	10.00				
J-I	0/872	-17.5	-17.5	0.27 (4)	10.00				
I-H	0/872	-17.5	-17.5	0.27 (4)	10.00				
H-G	0/0	-17.5	-17.5	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	=	7.0	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 2010, CBC 2012
- CSA 088-08, CSA 085-14
- 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 DEF. (LL) = 1/360 (0.67")
CALCULATED VERT. DEF. (LL) = 1/999 (0.04")
ALLOWABLE DEF. (TL) = 1/360 (0.67")
CALCULATED VERT. DEF. (TL) = 1/998 (0.10")

CSF: TC=0.84/1.00 (F-G:1), BC=0.27/1.00 (J-K:1),
WB=0.56/1.00 (C-K:1), SS=0.33/1.00 (E-F:1)

DCL 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

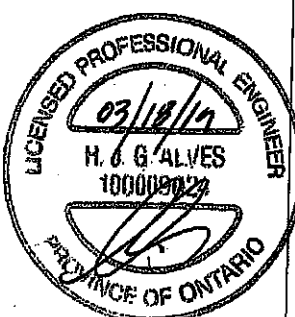
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1687 1658

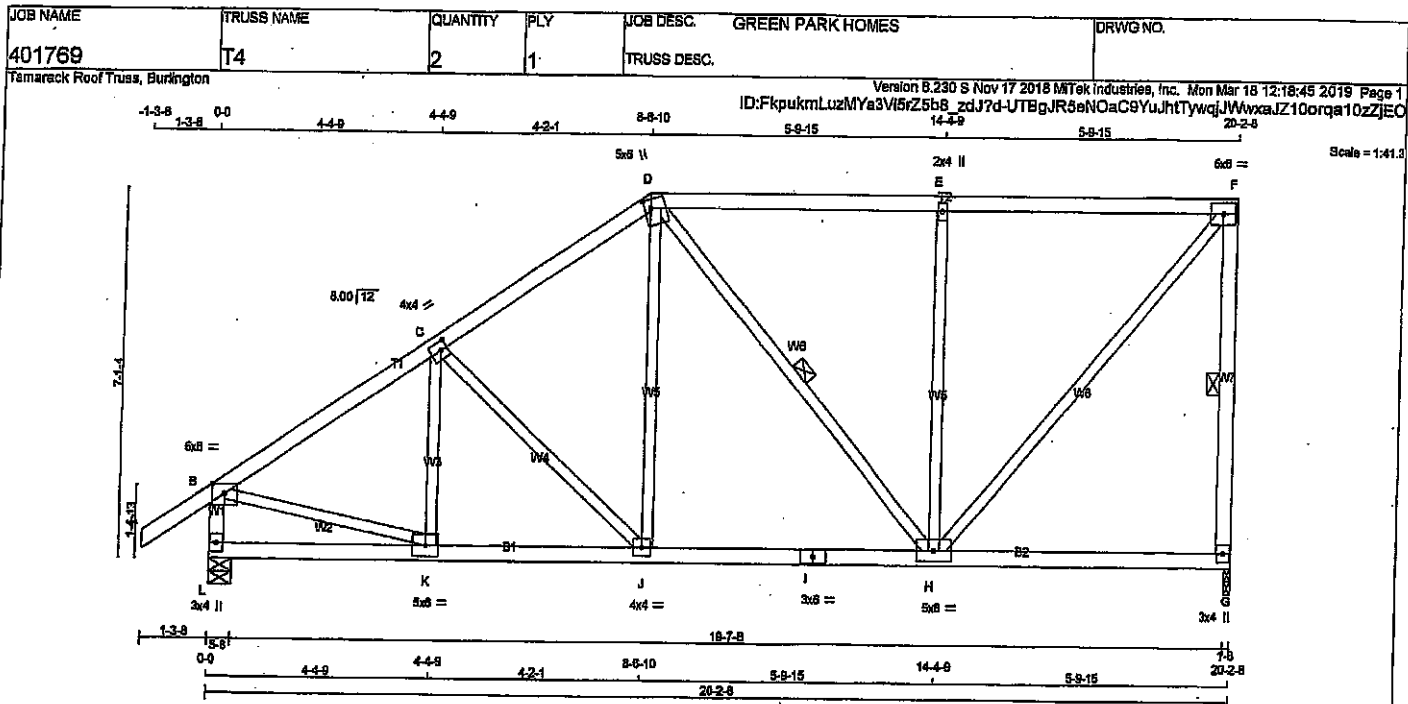
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP=0.73 (H) (INPUT = 0.80)
SI METAL=0.35 (C) (INPUT = 1.00)



DWG NO. TAM 71905355
STRUCTURAL
COMPONENT ONLY



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
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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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	1ST LCASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
G	848	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	948	688 / 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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LO1 MAX CSI (LC)	MAX. UNBRACED LENGTH	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)	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	-1086/0	-102.1	-102.1	0.33 (1)	5.62	J-D	0/290	0.07 (1)	
D-E	-808/0	-102.1	-102.1	0.51 (1)	5.88	D-H	-114/0	0.06 (1)	
E-F	-808/0	-102.1	-102.1	0.51 (1)	5.88	H-E	-737/0	0.64 (1)	
G-F	-1157/0	0.0	0.0	0.27 (1)	5.80	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	= 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, CBC 2012
- CSA 088-09, CSA 086-14
- TPIG 2011, TPIG 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 (0.67")
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=0.61/1.00 (E-F:1), BC=0.22/1.00 (J-K:1),
WB=0.64/1.00 (E-H: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.

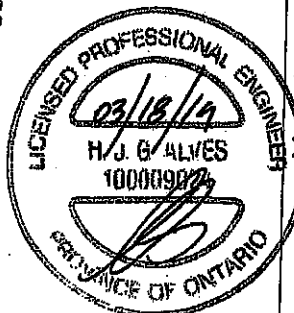
NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(FLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1697	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

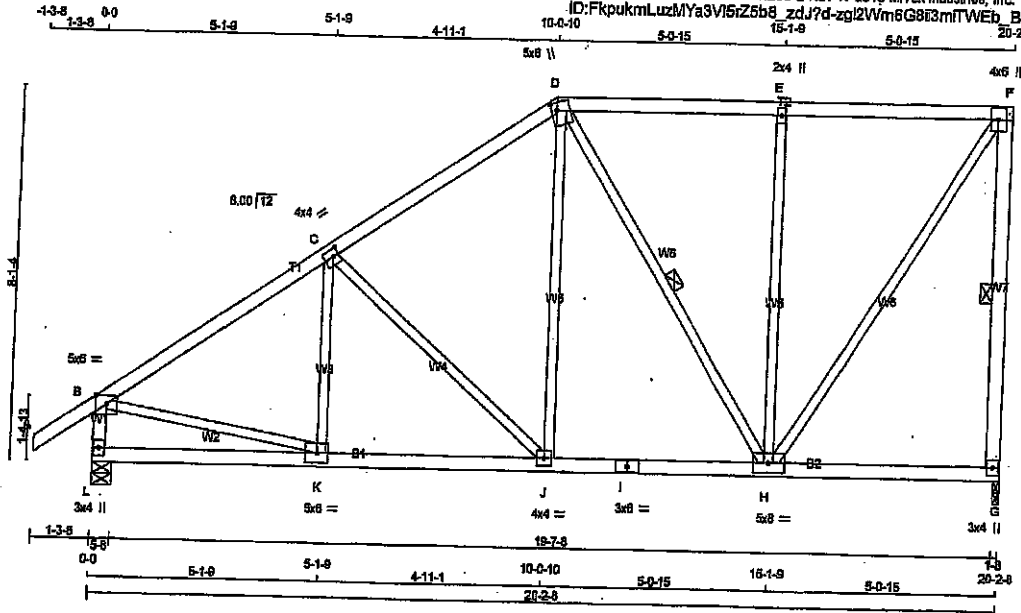
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.78 (B) (INPUT = 0.80)
SI METAL= 0.31 (I) (INPUT = 1.00)



DRWG NO. TAM 77905356
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T5	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					
Version 8.230 S Nov 17 2019 MTEK Industries, Inc. Mon Mar 18 12:18:48 2019 Page 1 ID: FkpkumLuzMYa3V15rZ5b8_zdJ7d-zgl2VWm6G8E3mITWEB_BT1FW7KHJ2_g91VZ7ZtZJEN					



Scale = 1/4" = 1'-0"

TOTAL WEIGHT = 2 X 99 = 198 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	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 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is 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	BMVVV-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVVV-t	MT20	4.0	4.0		
K	BMVVV-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	VERY	DOWN	IN-SX	IN-SX
G	1208	0	1-8	1-8
L	1349	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	848	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	948	686 / 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 = 5.02 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				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 / 39	-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	0.35 (1)
C-D	-977 / 0	-102.1	-102.1 0.47 (1)	5.62	J-D	0 / 373	0.08 (1)
D-E	-836 / 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	0.81 (1)
G-F	-1171 / 0	0.0	0.0 0.35 (1)	5.90	H-F	0 / 1162	0.28 (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	=	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 NBC 2010, NBC 2012
- CSA C88-09; CSA C88-14
- TPIC 2011, TRC 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 DEF. (LL) = L/360 (0.67")
CALCULATED VERT. DEF. (LL) = L/999 (0.03")
ALLOWABLE DEF. (TL) = L/360 (0.67")
CALCULATED VERT. DEF. (TL) = L/999 (0.07")

CSI: TC=0.50/1.00 (B-C:1), BC=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.

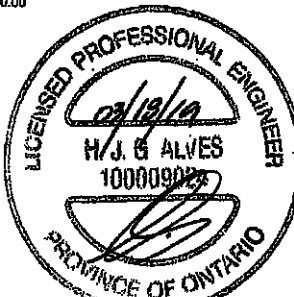
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1657
	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (B) (INPUT = 0.80)
JSI METAL= 0.25 (F) (INPUT = 1.00)

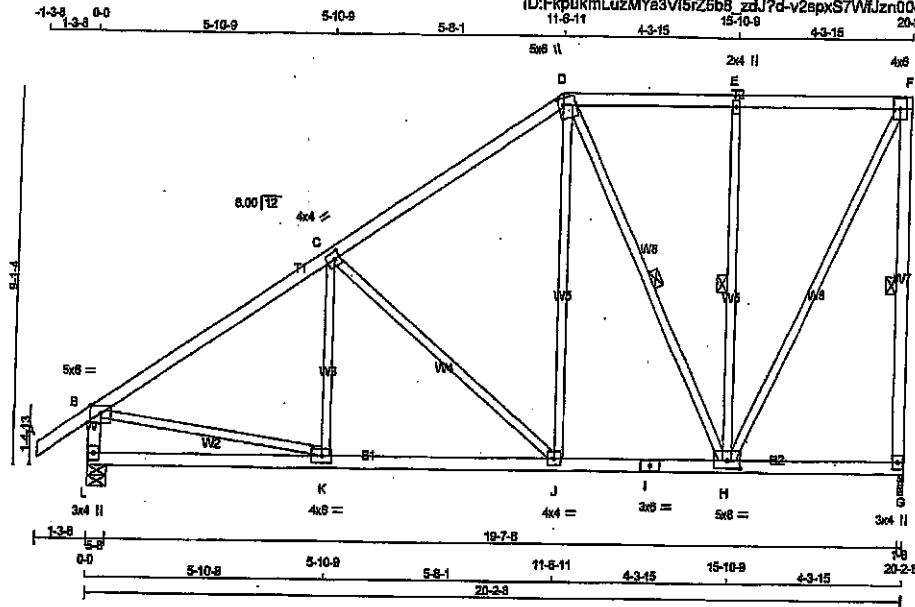


DRWG NO. TAM 71905357
STRUCTURAL
COMPONENT ONLY

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

Tamareck Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mittek Industries, Inc. Mon Mar 18 12:18:48 2019 Page 1
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Scale = 1/8" = 1'-0"

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
G - 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 EXCEPT 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-l	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-p	MT20	4.0	6.0		
G	BMV1-p	MT20	3.0	4.0		
H	BMVWV-t	MT20	5.0	6.0	2.25	4.00
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
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

BEARINGS

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

UNFACTORED REACTIONS

	1ST CASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	549	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	942	686 / 0	0 / 0	0 / 0	0 / 0	278 / 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. CS1 (LC)	MEMB.	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	-87 / 71	0.04 (1)
B-C	-1285 / 0	-102.1 -102.1	0.48 (1)	5.09	C-J	-580 / 0	0.88 (1)
C-D	-857 / 0	-102.1 -102.1	0.46 (1)	5.95	J-D	0 / 451	0.10 (1)
D-E	-487 / 0	-102.1 -102.1	0.24 (1)	6.25	D-H	-425 / 0	0.28 (1)
E-F	-488 / 0	-102.1 -102.1	0.24 (1)	6.25	H-E	-544 / 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)	7.08	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
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, 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 (0.67")
CALCULATED VERT. DEFL.(LL) = 1/599 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.08")

CS1: TC=0.48/1.00 (B-C-1), BC=0.25/1.00 (J-K-1),
WB=0.65/1.00 (C-J-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.

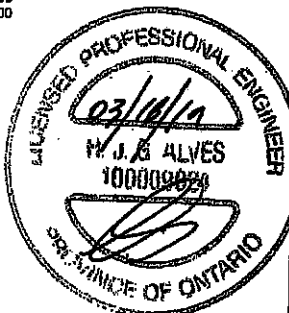
NAIL VALUES

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

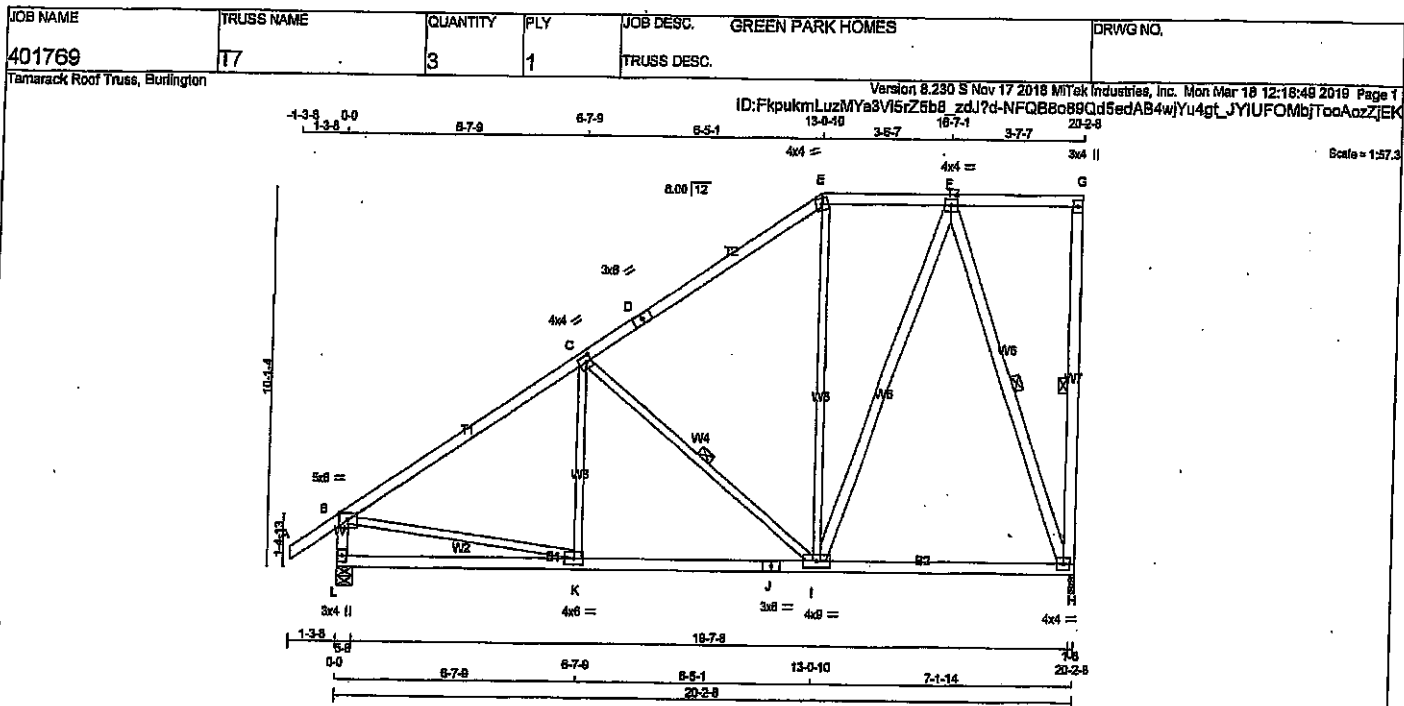
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



DWG NO. TAM 71905358
STRUCTURAL
COMPONENT ONLY



LUMBER	N.L.G.A. RULES	CHORDS	SIZE	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	
L - J	2x4	DRY	No.2	SPF	
J - H	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 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	TMV-p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	4.0		
I	BMVW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	4.0		
L	BMV-t	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	IN-SX	IN-SX
H	1208	0	1-8	1-8
L	1349	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	849	587/0	0/0	0/0	0/0	263/0	0/0
L	846	666/0	0/0	0/0	0/0	279/0	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	MAX. FACTORED	FACTORED	VERT. LOAD LC1	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	(PLF)	CSI (LC)	UNBRAC	LENGTH	FR-TO	FORCE (LBS)
FR-TO							
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00	K-C	-56/85
B-C	-1262/0	-102.1	-102.1	0.63 (1)	4.85	C-I	-673/0
C-D	-736/0	-102.1	-102.1	0.58 (1)	6.02	E-E	0/57
D-E	-736/0	-102.1	-102.1	0.58 (1)	6.02	B-K	0/1102
E-F	-573/0	-102.1	-102.1	0.17 (1)	5.25	I-F	0/589
F-G	0/0	-102.1	-102.1	0.22 (1)	10.00	F-H	-1065/0
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	0/1068	-17.5	-17.5	0.29 (1)	10.00		
J-I	0/1068	-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/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, 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 (0.67")
CALCULATED VERT. DEFL.(LL) = L/689 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/689 (0.08")

CSI: TC=0.63/1.00 (B-C-1), BC=0.29/1.00 (I-K-1),
WB=0.62/1.00 (F-H-1), GS=0.27/1.00 (B-C-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

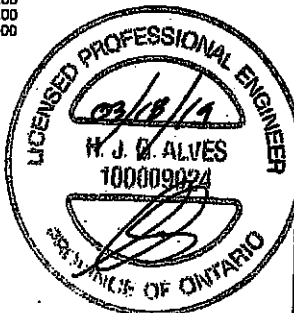
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

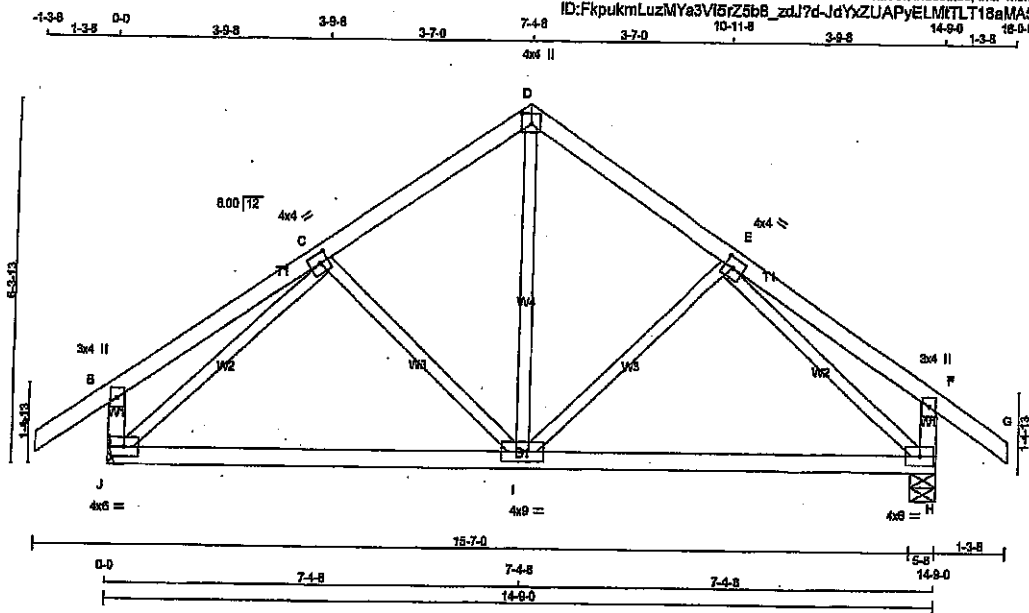
JSI GRIP= 0.77 (B) (INPUT = 0.90)
JSI METAL= 0.36 (J) (INPUT = 1.00)

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



DWG NO. TAM 71905359
STRUCTURAL
COMPONENT ONLY

JOB NAME 401768	TRUSS NAME T8	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 4 X 63 = 252 lb

LUMBER			
N L G. A. RULES	SIZE	DRY	LUMBER
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
J - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
J - H	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	TMV+Vt	MT20	4.0	4.0	2.00 1.75
D	TTV+p	MT20	4.0	4.0	2.25 2.00
E	TMV+Vt	MT20	4.0	4.0	2.00 1.75
F	TMV+p	MT20	3.0	4.0	
H	BMV+Vt	MT20	4.0	8.0	
I	BMV+Vt	MT20	4.0	8.0	
J	BMV+Vt	MT20	4.0	8.0	

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

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

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

UNFACTORED REACTIONS		1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE PERMLIVE WIND DEAD SOIL
J	716	508 / 0	0 / 0 0 / 0 208 / 0 0 / 0
H	716	508 / 0	0 / 0 0 / 0 208 / 0 0 / 0

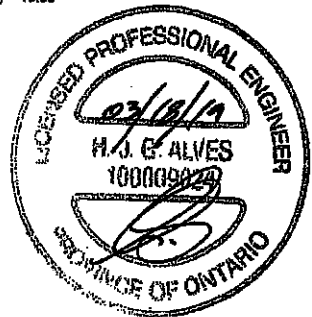
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 39	I-D	0 / 456
B-C	0 / 24	I-E	-215 / 0
C-D	-698 / 0	C-I	-215 / 0
D-E	-698 / 0	J-C	-993 / 0
E-F	0 / 24	E-H	-993 / 0
F-G	0 / 39		
J-B	-285 / 0		
H-F	-285 / 0		
J-I	0 / 716		
I-H	0 / 716		



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. 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, CBC 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 (0.49")
CALCULATED VERT. DEFL. (LL) = L/998 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.49")
CALCULATED VERT. DEFL. (TL) = L/998 (0.07")

CSI: TC=0.22/1.00 (B-C-1), BC=0.32/1.00 (J-I-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.

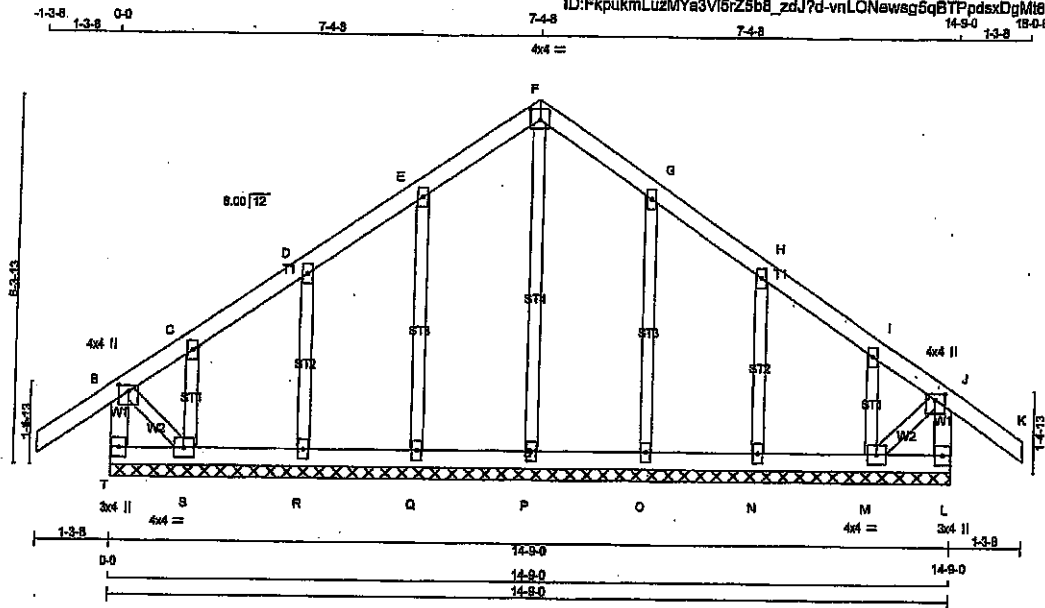
NAIL VALUES	
PLATE GRIP(DRY) SHEAR	SECTION
(PSI)	(PLI)
MAX MIN	MAX MIN
MT20	818 354 1657 788 1987 1658

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 17905360
STRUCTURAL
COMPONENT ONLY



Scale = 1/8" = 1'-0"

TOTAL WEIGHT = 65 lb

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" OC.

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 = 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)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
T-B	-303/0	0.0 0.0	0.03 (1)	7.81	P-F	-180/0	0.10 (1)
A-B	0/39	-102.1 -102.1	0.14 (1)	10.00	Q-E	-229/0	0.08 (1)
B-C	-62/0	-102.1 -102.1	0.13 (1)	6.25	R-D	-211/0	0.05 (1)
C-D	-14/0	-102.1 -102.1	0.05 (1)	6.25	S-C	-88/0	0.09 (1)
D-E	-13/0	-102.1 -102.1	0.08 (1)	6.25	O-G	-229/0	0.08 (1)
E-F	-22/0	-102.1 -102.1	0.08 (1)	6.25	N-H	-211/0	0.05 (1)
F-G	-22/0	-102.1 -102.1	0.08 (1)	6.25	M-I	-88/0	0.01 (1)
G-H	-13/0	-102.1 -102.1	0.06 (1)	6.25	B-E	0/27	0.01 (1)
H-I	-14/0	-102.1 -102.1	0.05 (1)	6.25	M-J	0/27	0.01 (1)
I-J	-62/0	-102.1 -102.1	0.13 (1)	6.25			
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			

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. 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

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

CSI: TO=0.14/1.00 (A-B:1), BC=0.01/1.00 (M-N:4), WB=0.10/1.00 (F-P: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

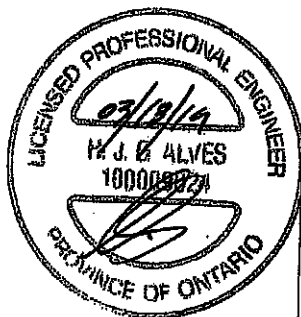
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

FLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLJ)	(PLJ)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354 1667 788 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.21 (4) (INPUT = 0.90)
JSI METAL= 0.12 (3) (INPUT = 1.00)

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



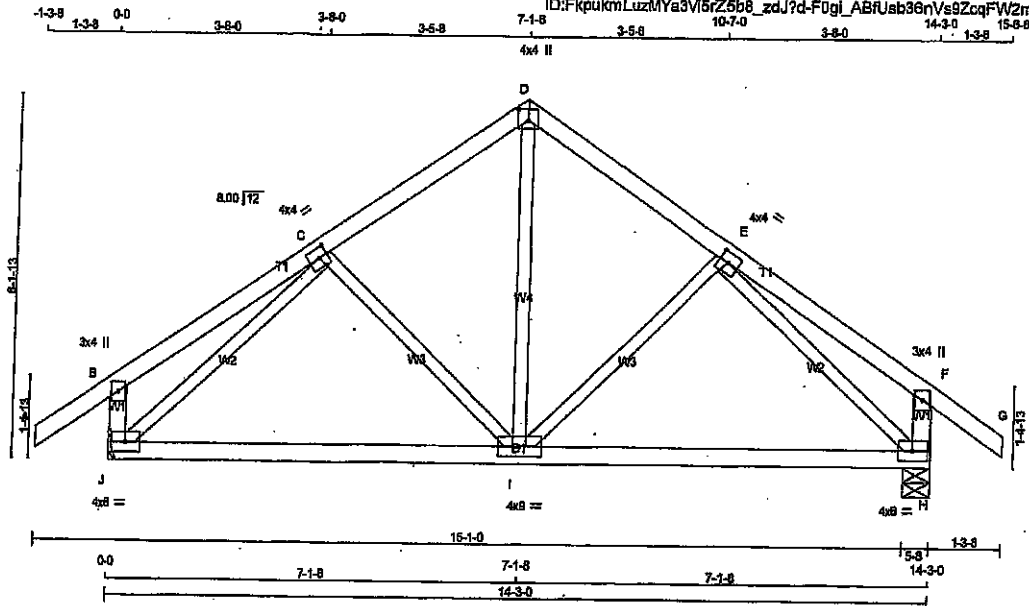
DWG NO. TAM 71905361
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T9	2	1	TRUSS DESC.		

Temarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ?d-FUgl_ABFusb36nVs9ZcqFW2mw9fBBGGBe5m?JZzJEG



Scale = 1:32.5

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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
C TMVW+t MT20	4.0	4.0	2.00	1.75
D TMV+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	9.0		
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	REQRD BRG
JT	VERT	DOWN	IN-SX	IN-SX
J	992	0	0	0
H	992	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST LOASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	695	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
H	695	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0

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

BRACING

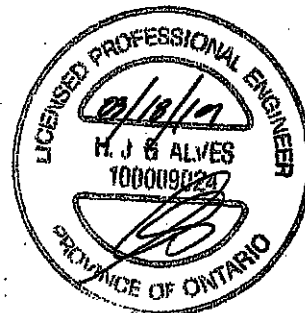
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED 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)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
MEMB.									
FR-TO									
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	0 / 435	0.10 (1)		
B-C	0 / 23	-102.1	-102.1	0.20 (1)	10.00	0 / 203 / 0	0.08 (1)		
C-D	-670 / 0	-102.1	-102.1	0.18 (1)	6.25	0 / 203 / 0	0.08 (1)		
D-E	-670 / 0	-102.1	-102.1	0.18 (1)	6.25	0 / 203 / 0	0.08 (1)		
E-F	0 / 23	-102.1	-102.1	0.20 (1)	10.00	0 / 203 / 0	0.08 (1)		
F-G	0 / 39	-102.1	-102.1	0.14 (1)	10.00	0 / 203 / 0	0.08 (1)		
J-B	-280 / 0	0.0	0.0	0.03 (1)	7.81	0 / 203 / 0	0.08 (1)		
H-F	-280 / 0	0.0	0.0	0.03 (1)	7.81	0 / 203 / 0	0.08 (1)		
J-I	0 / 684	-17.5	-17.5	0.30 (4)	10.00	0 / 203 / 0	0.08 (1)		
I-H	0 / 684	-17.5	-17.5	0.30 (4)	10.00	0 / 203 / 0	0.08 (1)		



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

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 088-09, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.47")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.47")
CALCULATED VERT. DEFL. (TL) = L/999 (0.08")

CSI: TC=0.20/H.00 (B-C:1), BC=0.30/H.00 (J-I:4), WB=0.37/H.00 (C-J:1), SS=0.15/H.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 (PSI)	SECTION (PLI)
MT20	618 354 1687 768 1687 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.70 (E) (INPUT = 0.90)
JSI METAL= 0.34 (C) (INPUT = 1.00)

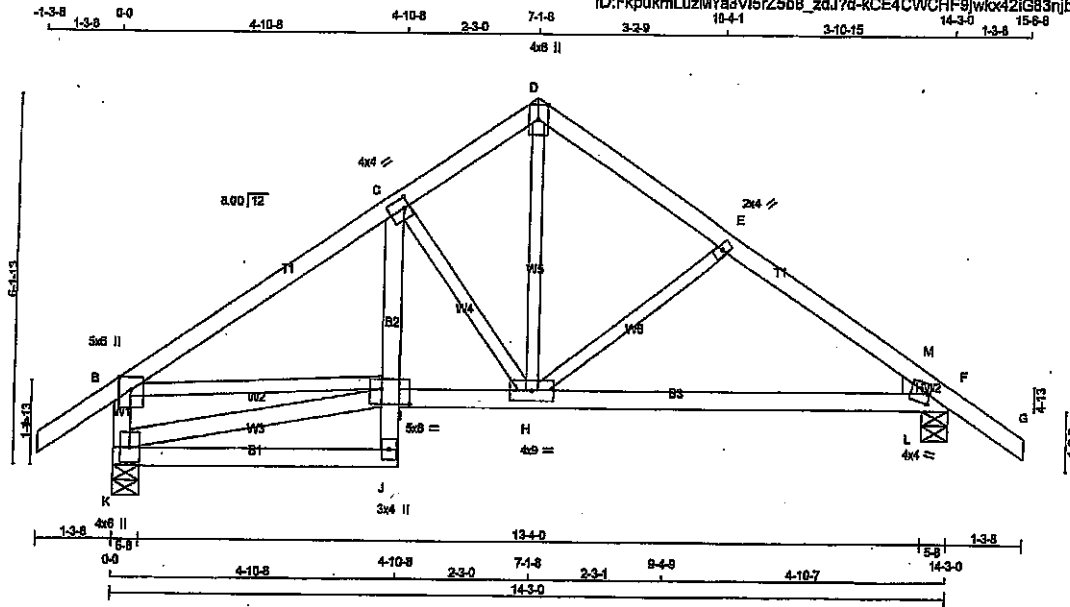
DRWG NO. TAM 17905363
STRUCTURAL
COMPONENT ONLY

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.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMA/W+p	MT20	5.0	6.0	Edge	
C	TMA/W+1	MT20	4.0	4.0	2.00	1.00
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMA/W+p	MT20	2.0	4.0		
F	TMSH+m	MT20	4.0	4.0	2.00	0.50
H	BMA/W+1	MT20	4.0	6.0		
I	BMA/W+1	MT20	5.0	8.0	3.00	6.50
J	BMA/p	MT20	3.0	4.0		
K	BMA/W+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	GROSS REACTION	MAXIMUM FACTORED	INPUT	RECORD	HEEL
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
K	992	0	992	0	0	5-8
F	992	0	992	0	0	5-8

UNFACTORED REACTIONS

1ST LOSE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED						
K	695	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
F	695	493 / 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	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX	WEBS	MAX. FACTORED	FORCE	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX	MEMB.	FORCE	MAX	FORCE	MAX
FR-TO	(LBS)	FROM	TO	CSI (LC)	UNBRAC	FR-TO	(LBS)	CSI (LC)		
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	-918 / 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	-1093 / 0	-102.1	-102.1	0.15 (1)	5.89	H-E	-372 / 0	0.11 (1)		
M-F	-1230 / 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)	7.81					
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 / 893	-17.5	-17.5	0.24 (1)	10.00					
H-L	0 / 933	-17.5	-17.5	0.24 (1)	10.00					
L-F	0 / 933	-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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2010, NBC 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 (0.48")
CALCULATED VERT. DEFL.(LL) = 1 / 999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = 1 / 999 (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

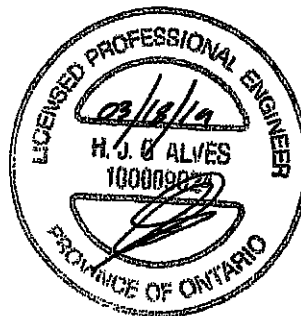
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1656

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)

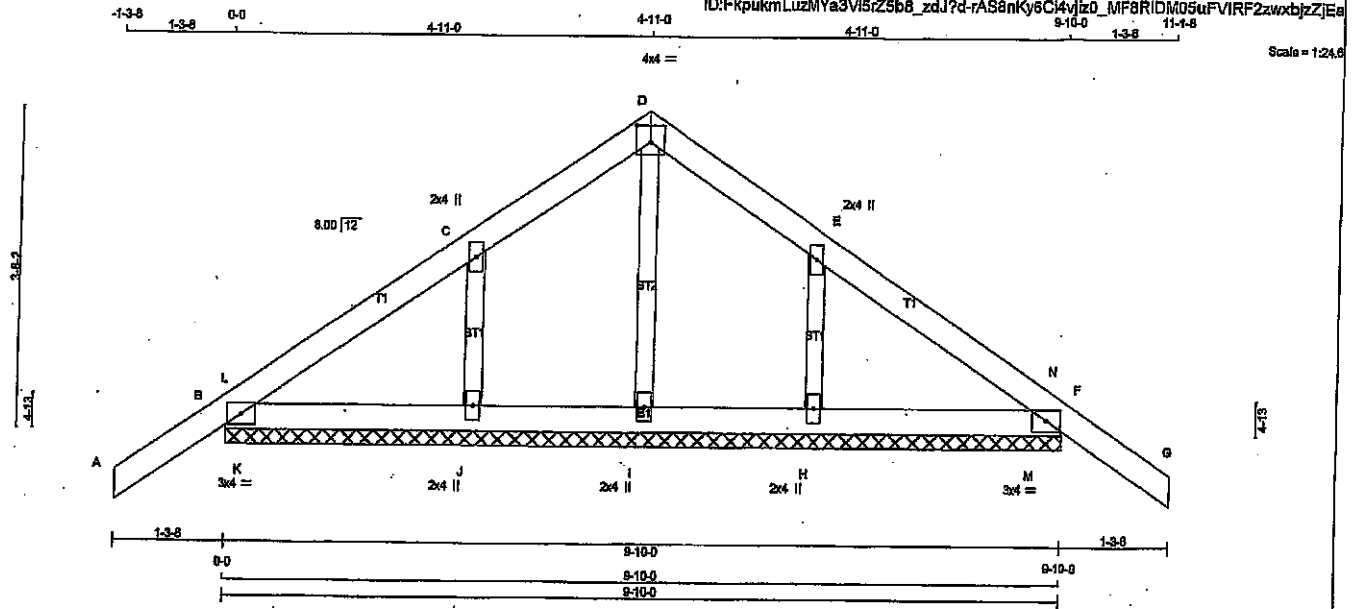


DWG NO. TAM 77905364
STRUCTURAL
COMPONENT ONLY

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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ID:FkpukmLuzMYa3VIsrZ5b8_zdJ?d-rASanKy6C4Vjz0_MF8RIDM05uFVIRF2zwxbjzJjEa



TOTAL WEIGHT = 34 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
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" O.C.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMAW-w	MT20	2.0	4.0		
D	TTV-p	MT20	4.0	4.0	2.25	2.00
E	TMAW-w	MT20	2.0	4.0		
F	TMB1-I	MT20	3.0	4.0		
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. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO		FROM TO		FR-TO		FROM TO	
A-B	0/38	-102.1 -102.1	0.14 (1)	10.00	I-D	-88/0	0.02 (1)
B-L	-50/0	-102.1 -102.1	0.01 (1)	6.25	J-C	-285/0	0.04 (1)
L-C	-55/0	-102.1 -102.1	0.09 (1)	6.25	H-E	-285/0	0.04 (1)
C-D	-71/0	-102.1 -102.1	0.08 (1)	6.25	K-L	-145/3	0.00 (1)
D-E	-71/0	-102.1 -102.1	0.08 (1)	6.25	M-N	-145/3	0.00 (1)
E-N	-55/0	-102.1 -102.1	0.08 (1)	6.25			
N-F	-50/0	-102.1 -102.1	0.01 (1)	6.25			
F-G	0/38	-102.1 -102.1	0.14 (1)	10.00			
B-K	0/58	-17.5 -17.5	0.06 (1)	10.00			
K-J	0/58	-17.5 -17.5	0.06 (1)	10.00			
J-I	0/44	-17.5 -17.5	0.04 (1)	10.00			
I-H	0/44	-17.5 -17.5	0.04 (1)	10.00			
H-M	0/58	-17.5 -17.5	0.08 (1)	10.00			
M-F	0/58	-17.5 -17.5	0.08 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 28.0	PSF
	DL	= 8.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.0	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, 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 28.0 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), SSI=0.12/1.00 (F-M-1)

DCL 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.

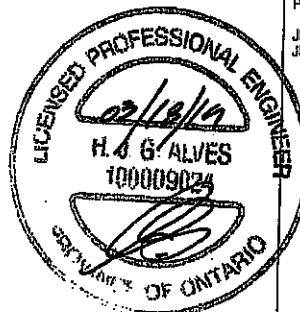
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	818	354	1667
	788	1987	1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

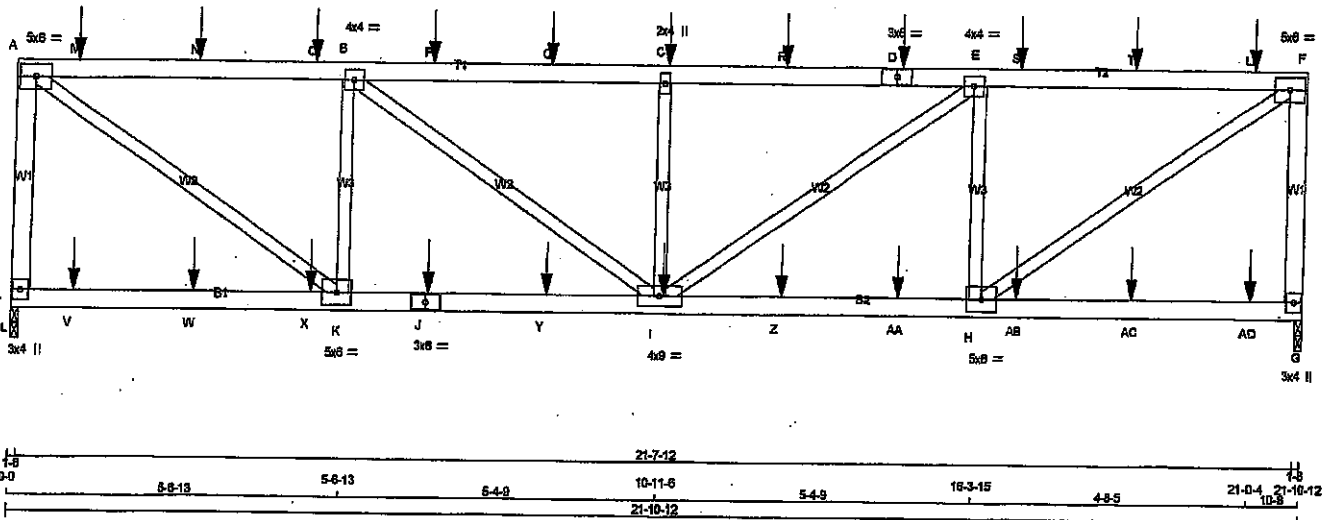
JSI GRIP= 0.26 (F) (INPUT = 0.80)
JSI METAL= 0.15 (C) (INPUT = 1.00)



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.	

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ID: FkpukmLuzMYa3V5rZ5b8_zdJ7d-gbLgcBEYhnzazFERqhAXaBgDwMhGQd1dK2_fuzZJED
16-3-15 21-0-4 21-10-12 10-8
Scale = 1:35.6



TOTAL WEIGHT = 4 X 87 = 348 lb

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(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 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-t	MT20	5.0	6.0		
B	TMVW-t	MT20	4.0	4.0		
C	TMVW-w	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	BMVW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-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 LCASE	MAX./MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
L	1491	1018/0	0/0
G	1502	1028/0	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	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC1)	MAX. HORIZ. LOAD (LC2)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. HORIZ. LOAD (LC2)
FR-TO						FR-TO		
L-A	-2050/0	0.0	0.0	0.28 (1)	7.72	H-F	0/2968	0.37 (1)
A-M	-2488/0	-102.1	-102.1	0.45 (1)	5.16	A-K	0/2961	0.37 (1)
M-N	-2488/0	-102.1	-102.1	0.45 (1)	5.16	H-E	-1502/0	0.20 (1)
N-O	-2488/0	-102.1	-102.1	0.45 (1)	5.16	K-B	-1503/0	0.20 (1)
O-B	-2488/0	-102.1	-102.1	0.45 (1)	5.16	E-I	0/824	0.10 (1)
B-P	-3138/0	-102.1	-102.1	0.47 (1)	4.68	I-C	0/821	0.10 (1)
P-Q	-3138/0	-102.1	-102.1	0.47 (1)	4.68			
Q-C	-3138/0	-102.1	-102.1	0.47 (1)	4.68			
C-R	-3138/0	-102.1	-102.1	0.47 (1)	4.68			
R-D	-3138/0	-102.1	-102.1	0.47 (1)	4.68			
D-E	-3138/0	-102.1	-102.1	0.47 (1)	4.68			
E-S	-2488/0	-102.1	-102.1	0.45 (1)	5.16			
S-T	-2488/0	-102.1	-102.1	0.45 (1)	5.16			
T-U	-2488/0	-102.1	-102.1	0.45 (1)	5.16			
U-F	-2488/0	-102.1	-102.1	0.45 (1)	5.16			
G-F	-2052/0	0.0	0.0	0.28 (1)	7.70			
L-V	0/0	-17.5	-17.5	0.12 (4)	10.00			
V-W	0/0	-17.5	-17.5	0.12 (4)	10.00			
W-X	0/0	-17.5	-17.5	0.12 (4)	10.00			
X-K	0/0	-17.5	-17.5	0.12 (4)	10.00			
K-Y	0/2468	-17.5	-17.5	0.28 (1)	10.00			
Y-I	0/2468	-17.5	-17.5	0.28 (1)	10.00			
I-Z	0/2468	-17.5	-17.5	0.28 (1)	10.00			
Z-AA	0/2468	-17.5	-17.5	0.28 (1)	10.00			
AA-H	0/2468	-17.5	-17.5	0.28 (1)	10.00			
H-AB	0/0	-17.5	-17.5	0.12 (4)	10.00			
AB-AC	0/0	-17.5	-17.5	0.12 (4)	10.00			
AC-AD	0/0	-17.5	-17.5	0.12 (4)	10.00			
AD-G	0/0	-17.5	-17.5	0.12 (4)	10.00			

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 = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 8.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. 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 NBC 2010, NBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(65 % 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) = U/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = U/999 (0.12")

CSI: TO=0.47/1.00 (C-E-1), BC=0.28/1.00 (H-I-1), WB=0.37/1.00 (A-K-1), SS=0.25/1.00 (A-B-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 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

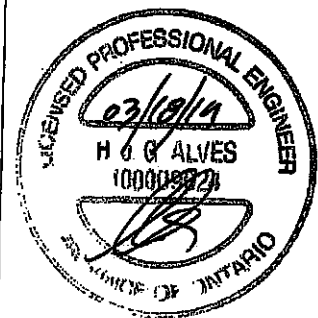
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (K) (INPUT = 0.90)
JSI METAL= 0.38 (J) (INPUT = 1.00)

DRWG NO. TAM 7905366
STRUCTURAL
COMPONENT ONLY 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T11	2	2	TRUSS DESC.		
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:16:58 2018 Page 2 ID: FkpuKmlLuzMYa3Vf5rZ5b8 zdJ7d-gbLqcBEYnmzeZFERghAXsBgDwMhGOd1dK2 fvuzZED		

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 77905366
 STRUCTURAL
 COMPONENT ONLY 3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T12	2	1	TRUSS DESC.		

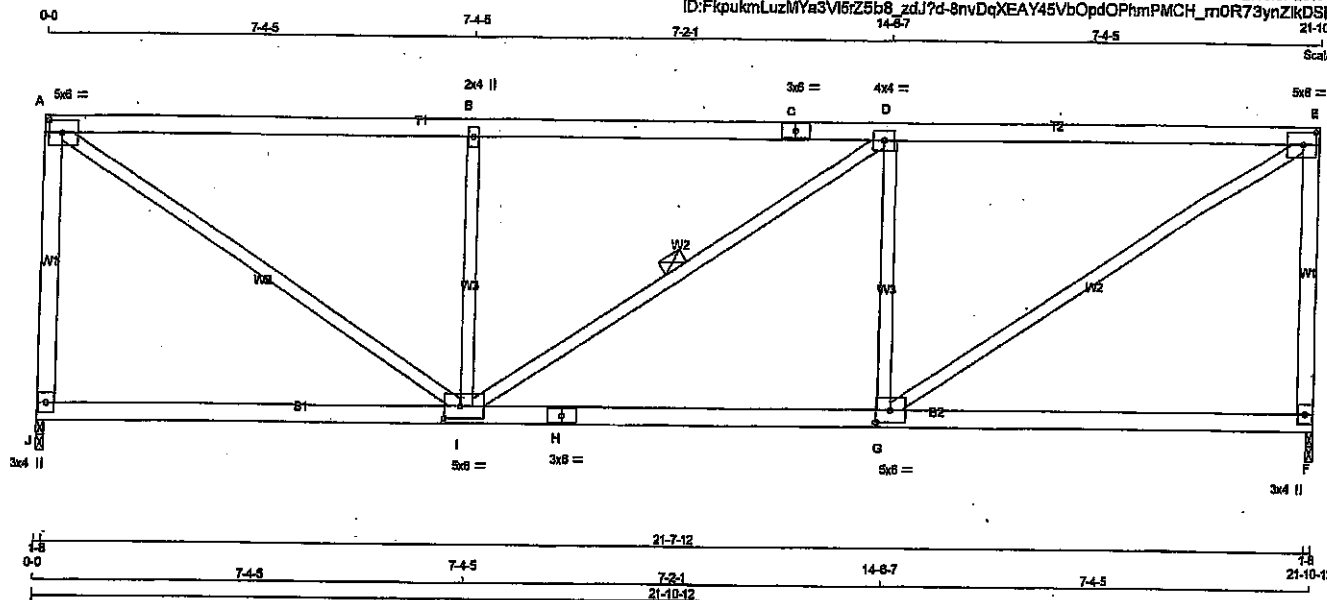
Tamarack Roof Truss, Burlington

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21-10-12

Scale = 1/32"



TOTAL WEIGHT = 2 X 88 = 176 lb

<u>LUMBER</u>					
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
F - E	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
DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	8.0	2.60	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	TMVW-t	MT20	5.0	6.0	2.50	2.75
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-t	MT20	5.0	6.0	2.50	2.75
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	5.0	6.0	2.50	3.25
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	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
J	1309	0	1309	0	1-8
F	1309	0	1309	0	1-8

UNFACTORED REACTIONS		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. 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.

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		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TD				FR-TD	
J-A	-1258 / 0	0.0	0.0 0.55 (1)	G-E	0 / 1740
A-B	-1455 / 0	-102.1	-102.1 0.80 (1)	A-I	0 / 1739
B-C	-1458 / 0	-102.1	-102.1 0.89 (1)	G-D	-814 / 0
C-D	-1455 / 0	-102.1	-102.1 0.89 (1)	I-B	-813 / 0
D-E	-1457 / 0	-102.1	-102.1 0.80 (1)	I-D	-1 / 0
F-E	-1256 / 0	0.0	0.0 0.55 (1)		
J-I	0 / 0	-17.5	-17.5 0.21 (4)		
I-H	0 / 1457	-17.5	-17.5 0.35 (1)		
H-G	0 / 1457	-17.5	-17.5 0.35 (1)		
G-F	0 / 0	-17.5	-17.5 0.21 (4)		

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

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 2010, NBCC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 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/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.90/1.00 (D-E-1), BC=0.35/1.00 (G-I-1), WB=0.35/1.00 (E-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.

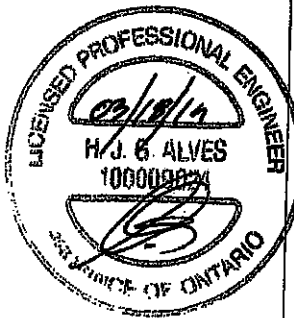
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

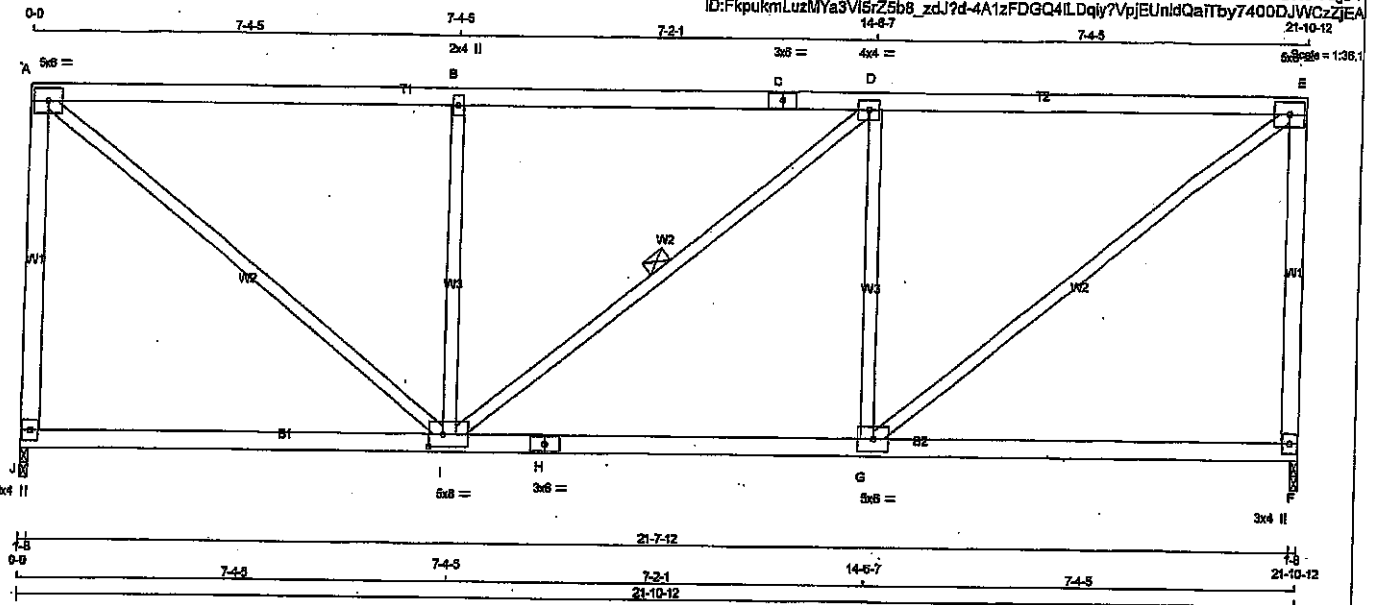
SI GRIP = 0.78 (E) (INPUT = 0.90)
SI METAL = 0.41 (H) (INPUT = 1.00)



DWG NO. TAM 77905367
STRUCTURAL
COMPONENT ONLY

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

Version 6.290 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:18:59 2019 Page 1
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TOTAL WEIGHT = 2 X 93 = 186 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	
F - J	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-t	MT20	5.0	6.0			
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 - TMVW-t	MT20	5.0	6.0			
F - BMV1+p	MT20	3.0	4.0			
G - BMVW-t	MT20	5.0	6.0			
H - BS-t	MT20	3.0	6.0			
I - BMVW-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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
J	1309	0	1309	0
F	1309	0	1309	0

UNFACTORED REACTIONS							
	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	838 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	838 / 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 = 4.32 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.

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	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	CS1 (LC)	UNBRAC. LENGTH
FR-TO					
J-A	-1258 / 0	0.0	0.0	0.91 (1)	7.17
A-B	-1208 / 0	-102.1	-102.1	0.86 (1)	4.35
B-C	-1208 / 0	-102.1	-102.1	0.86 (1)	4.32
C-D	-1208 / 0	-102.1	-102.1	0.86 (1)	4.32
D-E	-1207 / 0	-102.1	-102.1	0.86 (1)	4.32
E-F	-1258 / 0	0.0	0.0	0.91 (1)	7.17
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00
I-H	0 / 1207	-17.5	-17.5	0.31 (1)	10.00
H-G	0 / 1207	-17.5	-17.5	0.31 (1)	10.00
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 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 2010, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TO=0.81/1.00 (E-F-1), BC=0.31/1.00 (G-I-1), WE=0.48/1.00 (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

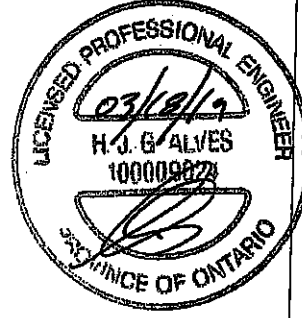
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1858

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

SI GRIP= 0.74 (E) (INPUT = 0.90)
SI METAL= 0.35 (4) (INPUT = 1.00)

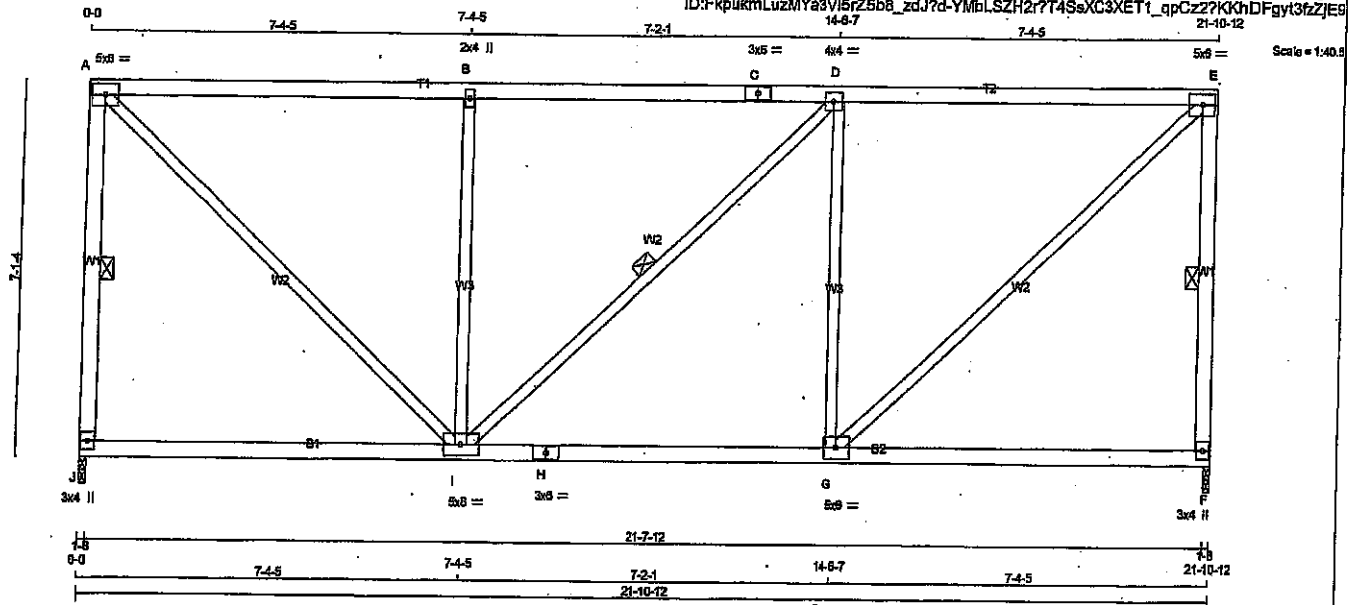


DRWG NO. TAM 17405361
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T14	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 98 = 197 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
F - H	2x4	DRY	No.2	SPF
H - F	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-t	MT20	5.0	6.0		
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	TMVW-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-t	MT20	6.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	5.0	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1308	0	1308	0
F	1308	0	1308	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	920	636 / 0	0 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	636 / 0	0 / 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 = 4.63 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

TOTAL LOAD CASES: (4)

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		
J-A	-1256 / 0	0.0	0.0 0.29 (1)	G-E	0 / 1404	0.32 (1)
A-B	-1029 / 0	-102.1	-102.1 0.83 (1)	A-I	0 / 1402	0.32 (1)
B-C	-1029 / 0	-102.1	-102.1 0.83 (1)	G-D	-814 / 0	0.71 (1)
C-D	-1029 / 0	-102.1	-102.1 0.83 (1)	I-B	-813 / 0	0.71 (1)
D-E	-1030 / 0	-102.1	-102.1 0.84 (1)	I-D	-2 / 0	0.00 (1)
F-E	-1257 / 0	0.0	0.0 0.29 (1)			
J-I	0 / 0	-17.5	-17.5 0.21 (4)			
I-H	0 / 1030	-17.5	-17.5 0.29 (4)			
H-G	0 / 1030	-17.5	-17.5 0.29 (4)			
G-F	0 / 0	-17.5	-17.5 0.21 (4)			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 20.0 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. 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, 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 (0.05")
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.

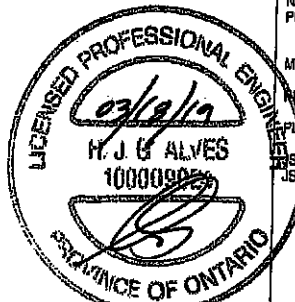
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	518	354	1687

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

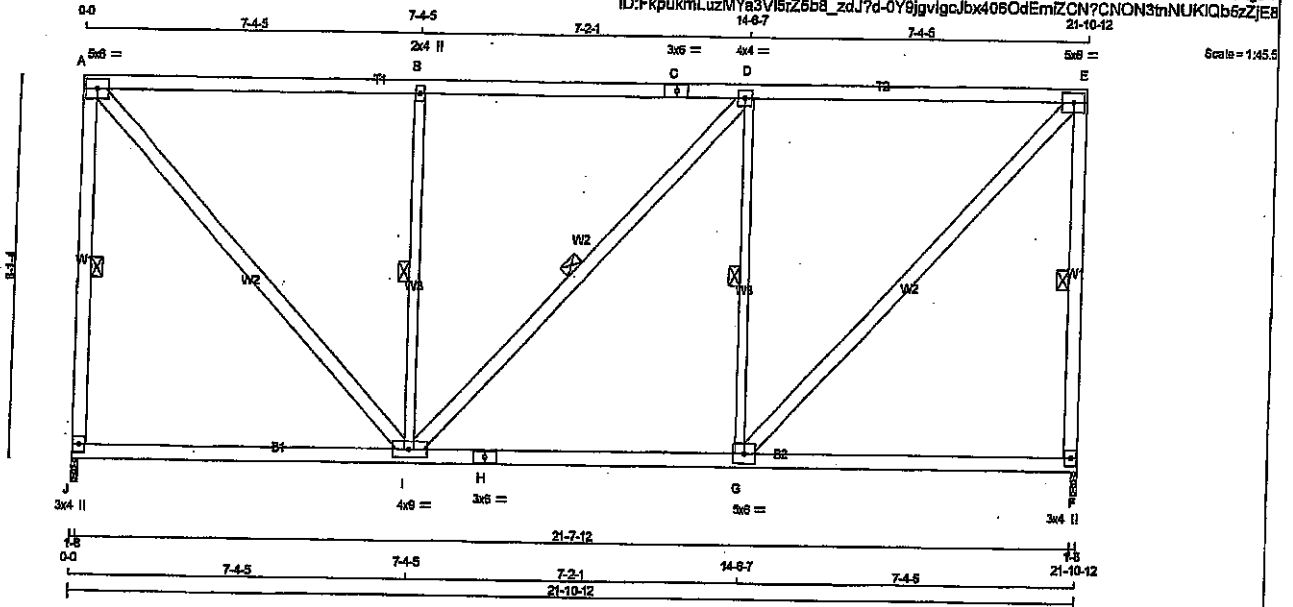
SLIP GRIP = 0.75 (I) (INPUT = 0.90)
SLIP METAL = 0.31 (I) (INPUT = 1.00)



DRWG NO. TAM 11405369
STRUCTURAL
COMPONENT ONLY

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

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ID:FkpukmLuzMYa3V15rZ6b8_zdJ7d-0Y9jgvlgcJbx408OdEmiZCN7CNON3tnNUKIQb62ZJE8
21-10-12
Scale = 1:45.5



TOTAL WEIGHT = 2 X 114 = 228 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0	
B	TMVW-w	MT20	2.0	4.0	
C	TS-1	MT20	3.0	8.0	
D	TMVW-1	MT20	4.0	4.0	
E	TMVW-1	MT20	5.0	6.0	
F	BMV1-p	MT20	3.0	4.0	
G	BMVW-1	MT20	5.0	6.0	
H	BS-1	MT20	3.0	6.0	
I	BMVW-1	MT20	4.0	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	HORZ	DOWN	HORZ
J	1309	0	1309	0
F	1309	0	1309	0

UNFACTORED REACTIONS

JT	1ST LCASE	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 = 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)

MEMB.	CHORDS	FACTORED	WEBS	MEMB.	FACTORED
	FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)		FORCE (LBS)
J-A	-1256 / 0	0.0	0.0	G-E	0 / 1311
A-B	-898 / 0	-102.1	-102.1	A-I	0 / 1309
B-C	-898 / 0	-102.1	-102.1	G-D	-814 / 0
C-D	-898 / 0	-102.1	-102.1	I-B	-814 / 0
D-E	-898 / 0	-102.1	-102.1	I-D	-2 / 0
E-F	-1257 / 0	0.0	0.0		
J-I	0 / 0	-17.5	-17.5		
I-H	0 / 898	-17.5	-17.5		
H-G	0 / 898	-17.5	-17.5		
G-F	0 / 0	-17.5	-17.5		

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 6, NBCC 2010, NBCC 2015

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

(55 % OF 37.6 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/980 (0.73")
CALCULATED VERT. DEFL. (LL) = L/989 (0.04")
ALLOWABLE DEFL. (TL) = L/980 (0.73")
CALCULATED VERT. DEFL. (TL) = L/989 (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), CSI=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

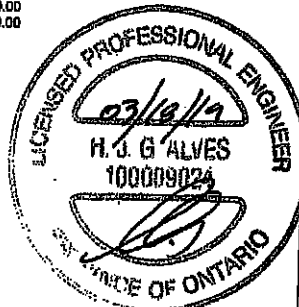
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1888

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)

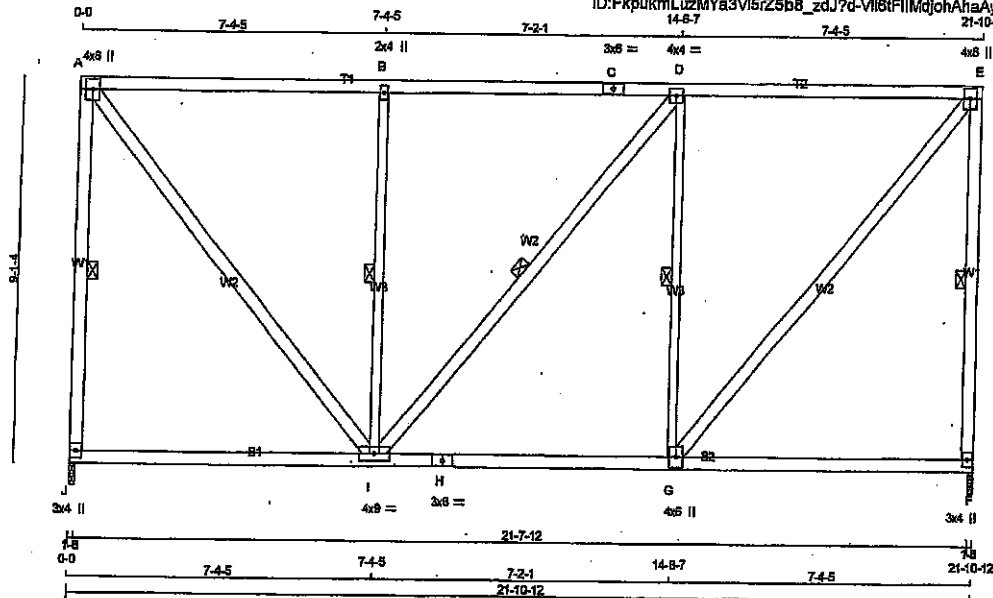


DRWG NO. TAM 71905370
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T16	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:50.7

TOTAL WEIGHT = 4 X 121 = 484 lb

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		

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0		
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	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-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		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX
J	1309	0	1309	0	0	1-8	1-8		
F	1309	0	1309	0	0	1-8	1-8		

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS		SNOW		LIVE		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	J	F	J	F	J	F	J	F	J	F	J	F	J	F	J	F
J	920	638	0	0	0	0	0	0	0	0	0	0	0	285	0	0	0
F	920	638	0	0	0	0	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 = 5.13 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-L

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	LC1	MAX. UNBRACED LENGTH	FR-TO	MEMB.	FORCE (LBS)	MAX. UNBRACED LENGTH	FR-TO
J-A	-1258	0	0.0	0.0	0.48 (1)	G-E	0/1243	0.20 (1)	
A-B	-798	0	-102.1	-102.1	0.80 (1)	A-I	0/1242	0.20 (1)	
B-C	-798	0	-102.1	-102.1	0.81 (1)	G-D	-814	0.44 (1)	
C-D	-798	0	-102.1	-102.1	0.81 (1)	I-B	-814	0.44 (1)	
D-E	-797	0	-102.1	-102.1	0.81 (1)	I-D	-2	0.00 (1)	
E-F	-1257	0	0.0	0.0	0.48 (1)				
J-I	0/0	-17.5	-17.5	0.21 (4)	10.00				
I-H	0/787	-17.5	-17.5	0.27 (4)	10.00				
H-G	0/787	-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. 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 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) = 1/898 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = 1/898 (0.10")

CS: 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

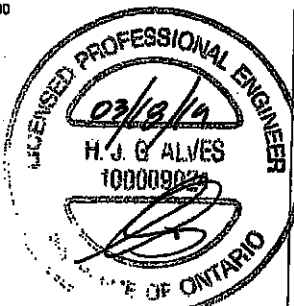
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 786 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

SI GRIP= 0.78 (I) (INPUT = 0.90)
SI METAL= 0.36 (E) (INPUT = 1.00)

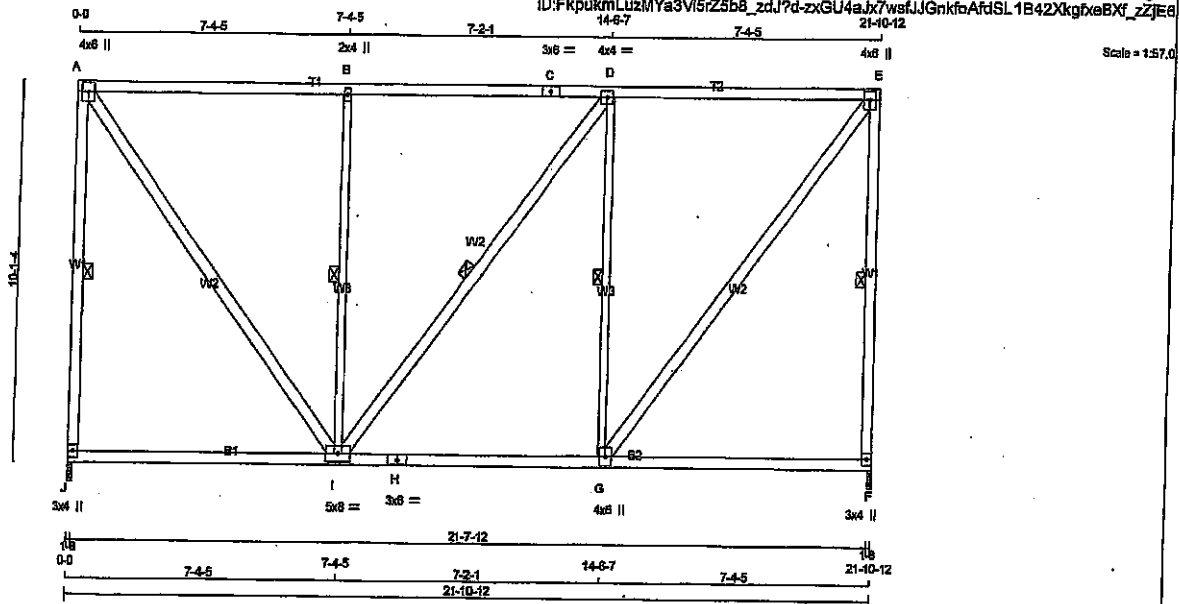


DWG NO. TAM 71905371
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T17	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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21-10-12



TOTAL WEIGHT = 6 X 128 = 768 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0		
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	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-H	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-w	MT20	5.0	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1309	0	1309	0
F	1309	0	1309	0

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

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 FITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-I, 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	CHORDS	WEBS
	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
	VERT. LOAD LC1 (PLF)	MAX. FACTORED FORCE (LBS)
	CS1 (LC)	MAX. FACTORED FORCE (LBS)
	UNBRACED LENGTH FR-TO	MAX. FACTORED FORCE (LBS)
	FR-TO	MAX. FACTORED FORCE (LBS)
J-A	-1258/0	0.0
A-B	-715/0	-102.1
B-C	-715/0	-102.1
C-D	-715/0	-102.1
D-E	-715/0	-102.1
E-F	-1257/0	0.0
J-I	0/0	-17.5
I-H	0/716	-17.5
H-G	0/716	-17.5
G-F	0/0	-17.5

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 2010, 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/998 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/998 (0.10")

CS1: TC=0.80/1.00 (D-E-1), SC=0.27/1.00 (G-I-4), WB=0.57/1.00 (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

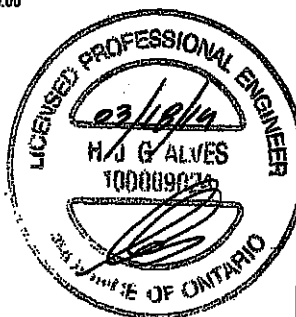
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 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= 0.32 (E) (INPUT = 1.00)



DRWG NO. TAM 1705372
STRUCTURAL
COMPONENT ONLY

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:19:05 2019 Page 1
ID:FkpukmLuzMYa3Vl5rZ5b8_zdJ?d=vKOEVL8Y8MYdQ8s4qsk2Ym3_fVYeZyPygeksszJJE4

0-0 3-9 3-9-3 4-6-12 8-3-15 12-9-7 4-3-13 17-1-4 17-3-9 19-1-4 21-1-4 21-10-12 2-0-0 9-3

Scale = 1:35.4



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

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL
F	17-1-4	-123	-123	---	FRONT	VERT	TOTAL	---
I	21-1-4	-27	-27	---	FRONT	VERT	TOTAL	---
J	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	18-1-0	-1829	-1829	---	FRONT	VERT	TOTAL	---
S	18-1-4	-25	-25	---	FRONT	VERT	TOTAL	---

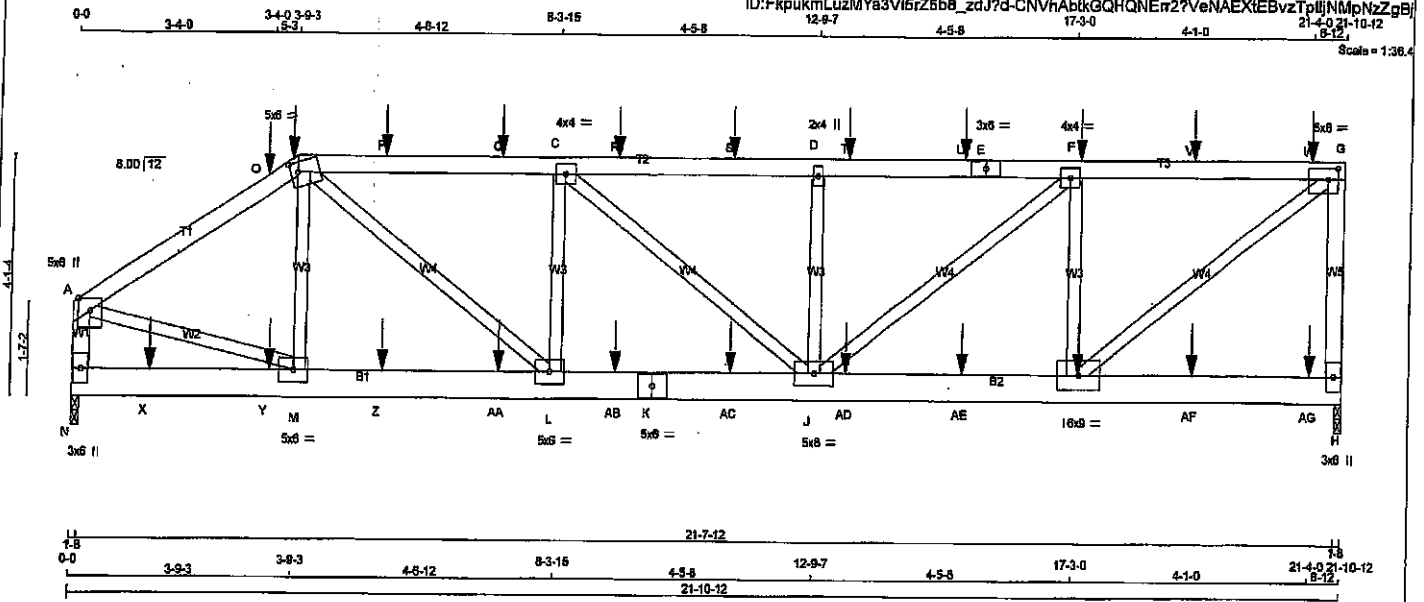
SI GRIP= 0.89 (J) (INPUT = 0.90)
SI METAL= 0.43 (J) (INPUT = 1.00)

DWG NO. TAM 77405373
STRUCTURAL
COMPONENT ONLY

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 Mitek Industries, Inc. Mon Mar 18 15:46:24 2019 Page 1
ID:FkpukmLuzMYa3V16rZ8b8_zdJ7d-CNVhAbtkGQHQNEr2?VeNAEXIEBvzToljNMphzZgBj



TOTAL WEIGHT = 2 X 102 = 203 lb

LUMBER	N. L. G. A. RULES	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 - A	2x4 DRY	No.2	SPF	
N - A	2x4 DRY	No.2	SPF	
K - K	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	12	SIDE(61.0)
B-E	12	SIDE(61.0)
E-G	12	SIDE(61.0)
G-H	12	TOP
N-A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
N-K	12	SIDE(0.0)
K-H	12	SIDE(163.1)
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)

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-l	MT20	4.0	4.0		
D	TMVW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMVW-l	MT20	4.0	4.0		
G	TMVW-l	MT20	5.0	6.0	2.25	2.00
H	BMV1+p	MT20	3.0	6.0		
I	BMVW-l	MT20	6.0	9.0		
J	BMVW-w	MT20	5.0	8.0		
K	BS-l	MT20	5.0	6.0		
L	BMVW-l	MT20	5.0	8.0		
M	BMVW-l	MT20	5.0	6.0		
N	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	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
H	2250	0	0	1-8
N	2301	0	0	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1585	1077 / 0	0 / 0	0 / 0	0 / 0	508 / 0	0 / 0
N	1618	1113 / 0	0 / 0	0 / 0	0 / 0	505 / 0	0 / 0

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

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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO					FR-TO		
A-O	-2482 / 0	-102.1 -102.1	0.19 (1)	5.52	M-B	-481 / 0	0.06 (1)
O-B	-2482 / 0	-102.1 -102.1	0.19 (1)	5.52	A-M	0 / 2185	0.27 (1)
B-P	-3248 / 0	-102.1 -102.1	0.32 (1)	4.80	I-G	0 / 2811	0.35 (1)
P-Q	-3248 / 0	-102.1 -102.1	0.32 (1)	4.80	B-L	0 / 1513	0.19 (1)
Q-C	-3248 / 0	-102.1 -102.1	0.32 (1)	4.80	I-F	-1650 / 0	0.21 (1)
C-R	-3229 / 0	-102.1 -102.1	0.32 (1)	4.82	L-C	-812 / 0	0.10 (1)
R-S	-3229 / 0	-102.1 -102.1	0.32 (1)	4.82	C-F	-812 / 0	0.10 (1)
S-D	-3229 / 0	-102.1 -102.1	0.32 (1)	4.82			
D-T	-3229 / 0	-102.1 -102.1	0.31 (1)	4.83			
T-U	-3229 / 0	-102.1 -102.1	0.31 (1)	4.83			
U-E	-3229 / 0	-102.1 -102.1	0.31 (1)	4.83			
E-F	-3229 / 0	-102.1 -102.1	0.31 (1)	4.83			
F-V	-2271 / 0	-102.1 -102.1	0.28 (1)	5.55			
V-W	-2271 / 0	-102.1 -102.1	0.28 (1)	5.55			
W-G	-2271 / 0	-102.1 -102.1	0.28 (1)	5.55			
H-G	-2170 / 0	0.0	0.0	27 (1)	7.5		
N-A	-2253 / 0	0.0	0.0	0.13 (1)	7.4		

N-X	0 / 0	-18.5	-18.5	0.03 (4)	10.00
X-Y	0 / 0	-18.5	-18.5	0.03 (4)	10.00
Y-M	0 / 0	-18.5	-18.5	0.03 (4)	10.00
M-Z	0 / 2075	-18.5	-18.5	0.16 (1)	10.00
Z-AA	0 / 2075	-18.5	-18.5	0.16 (1)	10.00
AA-L	0 / 2075	-18.5	-18.5	0.16 (1)	10.00
L-AB	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
AB-K	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
K-AC	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
AC-J	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
J-AD	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
AD-AE	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
AE-I	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
I-AF	0 / 0	-18.5	-18.5	0.04 (4)	10.00
AF-AG	0 / 0	-18.5	-18.5	0.04 (4)	10.00
AG-H	0 / 0	-18.5	-18.5	0.04 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	3-9-3	-50	-56		FRONT	VERT	DEAD		
B	3-9-3	-285	-285		FRONT	VERT	SNOW		
F	17-4-0	-123	-123		BACK	VERT	TOTAL		

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY 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. C/C

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

*** NON STANDARD GIRDER ***

ADDT'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 BCBC 2018, OBC 2012
- CSA D88-08, CSA D88-14
- 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 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TO=0.32/1.00 (B-C:1), BO=0.25/1.00 (J-L:1), WB=0.36/1.00 (G-I:1), SS=0.19/1.00 (B-C: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)	
MT20	618	354	1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (A) (INPUT = 0.90)
JSI METAL= 0.45 (A) (INPUT = 1.00)

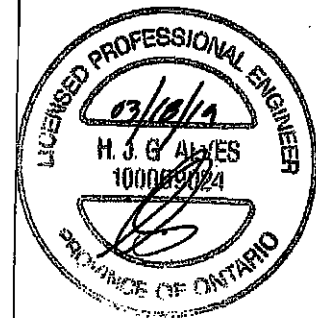
CONTINUED ON PAGE 2

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 Mitek Industries, Inc. Mon Mar 18 15:46:24 2019 Page 2
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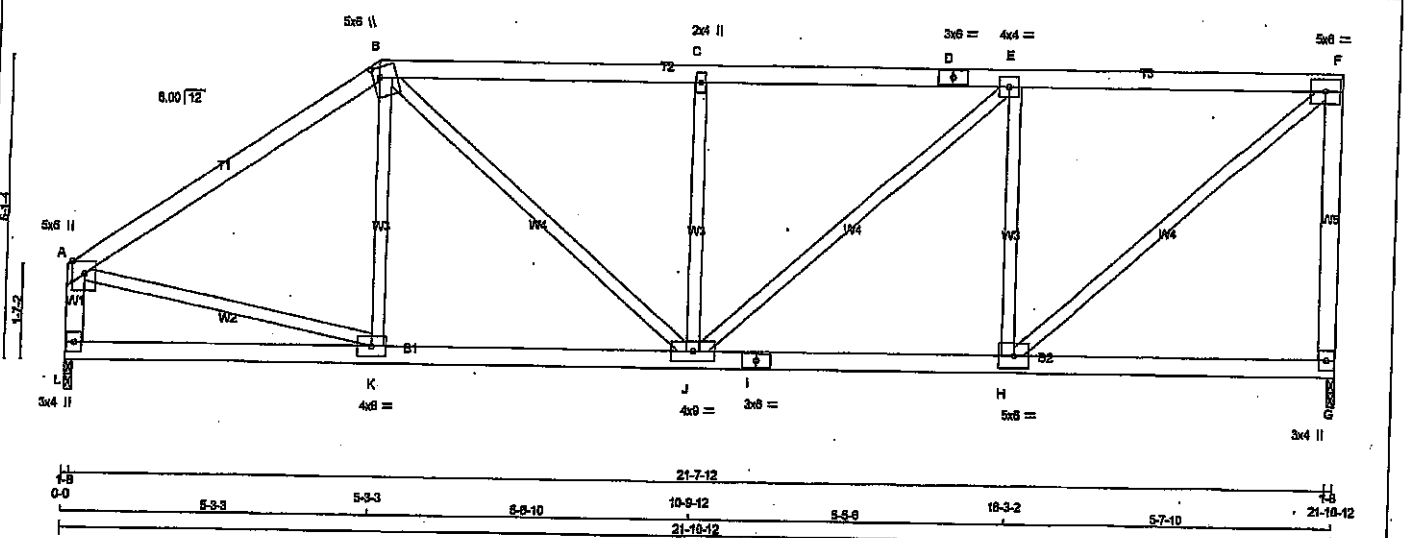
FACTORED CONCENTRATED LOADS (LBS)									
	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT	17-4-0	-26	-26	---	BACK	VERT	TOTAL	---	---
I	3-4-0	-152	-152	---	BACK	VERT	TOTAL	---	---
O	5-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
P	7-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
Q	9-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
R	11-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
S	13-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
T	15-4-0	-123	-123	---	BACK	VERT	TOTAL	---	---
U	17-4-0	-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	17-4-0	-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.	

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ID: FkpukmLuzMYa3V15rZ5b8_zdJ?d-NWycjLpQrEDAn?MPoLgtGF4vyO5rk8h6dcP8GzZJE3
Scale = 1/32.2



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
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

BEARINGS

JT	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	GROSS REACTION	DOWN	HORIZ		
G	1308	0	1308	0	1-8	1-8
L	1308	0	1308	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LOASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	920	638 / 0	0 / 0	0 / 0	0 / 0	265 / 0	0 / 0
L	920	638 / 0	0 / 0	0 / 0	0 / 0	265 / 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 = 4.66 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	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	FORCE	FACTORED	MAX				
	(LBS)	(LBS)	(PLF)		CSI (LC)	UNBRAC		(LBS)		CSI (LC)					
FR-TO		FROM	TO			LENGTH	FR-TO								
A-B	-1331 / 0	-102.1	-102.1	0.57 (1)	4.66	K-B	-154 / 39	0.06 (1)							
B-C	-1555 / 0	-102.1	-102.1	0.48 (1)	4.66	A-K	0 / 1137	0.28 (1)							
C-D	-1555 / 0	-102.1	-102.1	0.50 (1)	4.66	H-F	0 / 1585	0.36 (1)							
D-E	-1655 / 0	-102.1	-102.1	0.50 (1)	4.66	B-J	0 / 588	0.13 (1)							
E-F	-1213 / 0	-102.1	-102.1	0.47 (1)	5.16	H-E	-925 / 0	0.36 (1)							
F-G	-1269 / 0	0.0	0.0	0.66 (1)	7.15	J-C	-808 / 0	0.23 (1)							
L-A	-1272 / 0	0.0	0.0	0.13 (1)	7.14	J-E	0 / 467	0.10 (1)							
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										

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, NBC 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 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/998 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/998 (0.10")

CSI: TC=0.57/1.00 (A-B-1), BC=0.28/1.00 (H-J-1),
WB=0.38/1.00 (F-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.

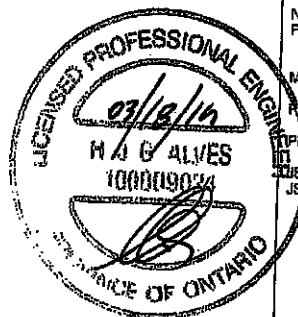
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354 1867 788 1867 1696	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JOIST GRIP = 0.82 (A) (INPUT = 0.80)
JS METAL = 0.54 (A) (INPUT = 1.00)



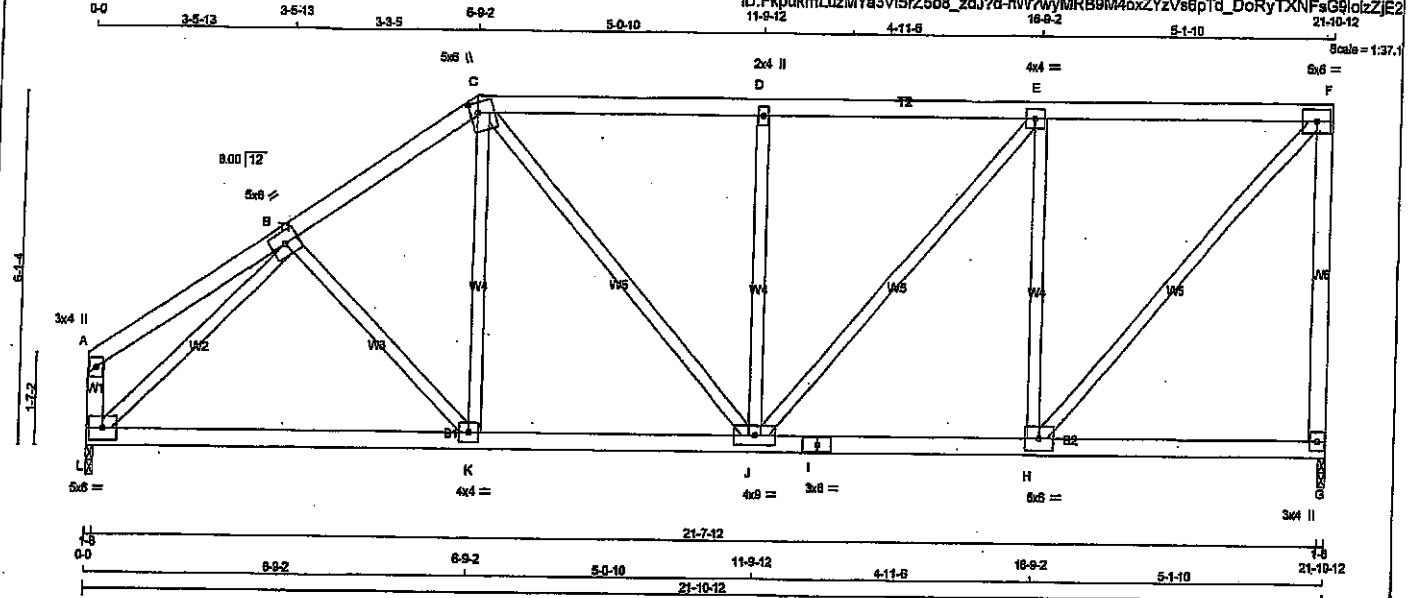
DRWG NO. TAM **TM05374**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T20	2	1	TRUSS DESC.		

Yamarrack Roof Truss, Burlington

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ID: FkpukmLuzMYa3V15rZ5b8_zdJ?d-rVW7wyMRB9M4oxZYzVs6pTd_DoRyTXNFsG9ldzZJ2



TOTAL WEIGHT = 2 X 88 = 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 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	6.0	6.0	
C	TTWW+m	MT20	5.0	6.0	2.00 1.50
D	TMWW-w	MT20	2.0	4.0	
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	BS-t	MT20	3.0	6.0	
J	BMWWV-t	MT20	4.0	9.0	
K	BMWW-t	MT20	4.0	4.0	
L	BMWW-t	MT20	5.0	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
G	1309 0	1309 0	1-8	1-8
L	1309 0	1309 0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX MIN COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	820	836 / 0	0 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
L	820	836 / 0	0 / 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

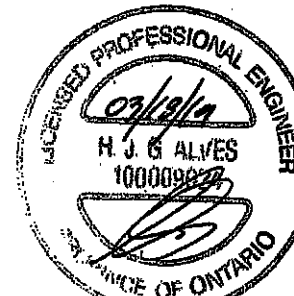
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.21 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX	CSI (LC)	UNBRAC LENGTH	FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	CSI (LC)
A-B	0 / 21	-102.1	-102.1	0.17 (1)	10.00	B-K	-15 / 40	0.01 (4)		
B-C	-1305 / 0	-102.1	-102.1	0.20 (1)	5.43	K-C	0 / 138	0.04 (4)		
C-D	-1269 / 0	-102.1	-102.1	0.37 (1)	5.24	L-B	-1557 / 0	0.59 (1)		
D-E	-1269 / 0	-102.1	-102.1	0.39 (1)	5.21	H-F	0 / 1415	0.32 (1)		
E-F	-937 / 0	-102.1	-102.1	0.36 (1)	5.85	C-J	0 / 305	0.07 (1)		
G-F	-1273 / 0	0.0	0.0	0.82 (1)	7.14	H-E	-957 / 0	0.56 (1)		
L-A	-135 / 0	0.0	0.0	0.01 (1)	7.81	J-D	-552 / 0	0.32 (1)		
L-K	0 / 1077	-17.5	-17.5	0.27 (1)	10.00	J-E	0 / 513	0.12 (1)		
K-J	0 / 1069	-17.5	-17.5	0.27 (1)	10.00					
J-I	0 / 937	-17.5	-17.5	0.21 (1)	10.00					
I-H	0 / 937	-17.5	-17.5	0.21 (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
DL = 6.0 PSF
BOT CH. LL = 0.0 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 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/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: TO=0.82/1.00 (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 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)	(PSI)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1967 1656

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)

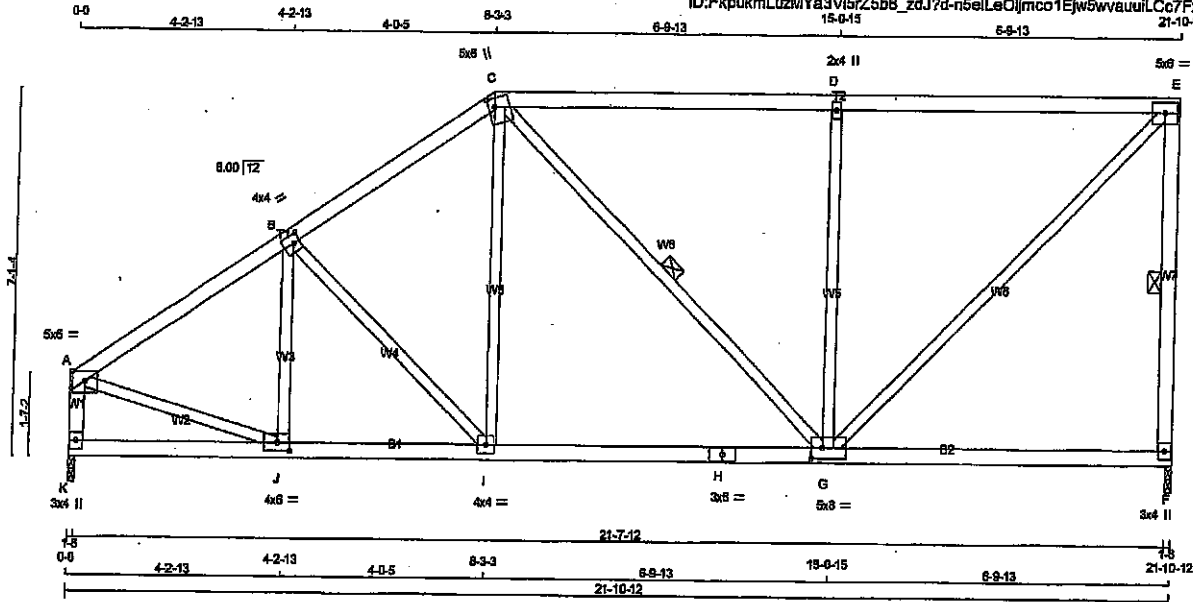
DRWG NO. TAM 1705375
STRUCTURAL
COMPONENT ONLY

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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TOTAL WEIGHT = 2 X 87 = 185 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 EXCEPT	2x3	DRY	No.2	SPF

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	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMVV-p	MT20	2.0	4.0		
E	TMVV-p	MT20	5.0	6.0		
F	BMV1-p	MT20	3.0	4.0		
G	BMWW-t	MT20	5.0	8.0	2.50	2.50
H	BS-t	MT20	3.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-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

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS	DEAD	SOIL
JT	COMBINED		
F	820 636 / 0	0 / 0	285 / 0
K	820 636 / 0	0 / 0	285 / 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 = 4.38 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.03 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO
A-B	-1349 / 0	-102.1	-102.1	0.32 (1)	5.19	J-B	-275 / 0	0.08 (1)	10.00
B-C	-1225 / 0	-102.1	-102.1	0.31 (1)	5.40	B-I	-212 / 0	0.12 (1)	10.00
C-D	-1002 / 0	-102.1	-102.1	0.88 (1)	4.39	I-C	0 / 245	0.05 (1)	10.00
D-E	-1002 / 0	-102.1	-102.1	0.88 (1)	4.39	C-G	-8 / 8	0.01 (4)	10.00
F-E	-1261 / 0	0.0	0.0	0.29 (1)	5.73	G-D	-884 / 0	0.78 (1)	10.00
K-A	-1276 / 0	0.0	0.0	0.13 (1)	7.13	G-E	0 / 1412	0.32 (1)	10.00
K-J	0 / 0	-17.5	-17.5	0.07 (4)	10.00	A-J	0 / 1196	0.27 (1)	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 = 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, NBCG 2010, NBCG 2015

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

(65% 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/960 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/960 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.89/1.00 (D-E:1), BC=0.28/1.00 (G-I:4), WS=0.78/1.00 (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

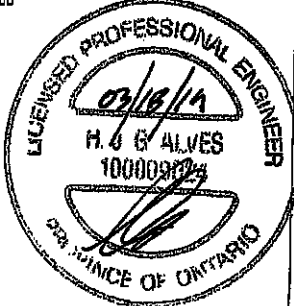
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 789 1987 1656

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)

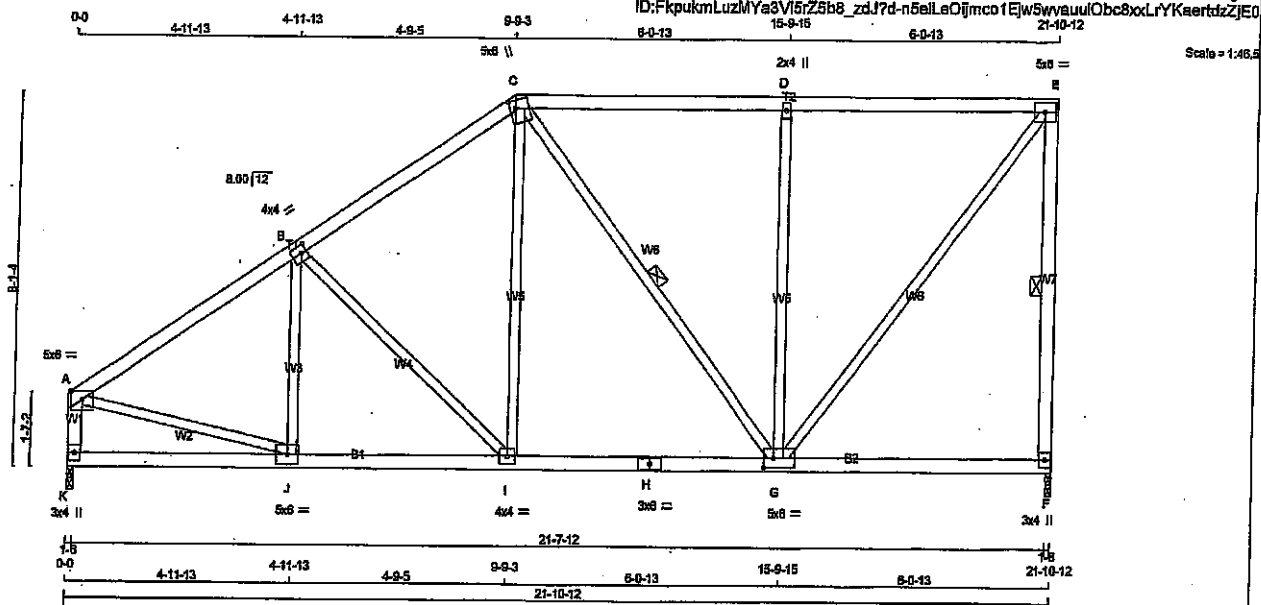


DRWG NO. TAM 71405376
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T22	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 103 = 205 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

C - E 2x4 DRY No.2

F - E 2x4 DRY No.2

K - A 2x4 DRY No.2

H - F 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES

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-t MT20 5.0 6.0

F BMVW+p MT20 3.0 4.0

G BMVW-w MT20 5.0 8.0 2.50 2.50

H BS-t MT20 3.0 6.0

I BMVW-t MT20 4.0 4.0

J BMVW-t MT20 5.0 6.0

K BMVW-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

JT VERT HORZ

F 1309 0

K 1309 0

MAXIMUM FACTORED

GROSS REACTION

DOWN HORZ UPLIFT

F 1309 0 0

K 1309 0 0

INPUT

BRG IN-SX

F 1-8 1-8

K 1-8 1-8

REQD

BRG IN-SX

F 1-8 1-8

K 1-8 1-8

UNFACTORED REACTIONS

1ST CASE

JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL

F 920 638 / 0 0 / 0 0 / 0 285 / 0 0 / 0

K 920 638 / 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 = 4.98 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 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

MAX. FACTORED

MEMB. FORCE (LBS)

FR-TO

A-B -1370 / 0

B-C -1128 / 0

C-D -804 / 0

D-E -804 / 0

F-E -1268 / 0

K-A -1272 / 0

FROM TO

-102.1 -102.1 0.47 (1)

-102.1 -102.1 0.45 (1)

-102.1 -102.1 0.87 (1)

-102.1 -102.1 0.87 (1)

0.0 0.0 0.38 (1)

0.0 0.0 0.13 (1)

-17.5 -17.5 0.09 (4)

-17.5 -17.5 0.24 (1)

-17.5 -17.5 0.23 (1)

-17.5 -17.5 0.23 (1)

-17.5 -17.5 0.16 (4)

10.00

10.00

10.00

10.00

10.00

10.00

10.00

WEBS

MAX. FACTORED

MEMB. FORCE (LBS)

FR-TO

J-B -207 / 16

B-I -354 / 0

I-C 0 / 334

C-G -179 / 0

G-D -788 / 0

D-E 0 / 1306

A-J 0 / 1204

0.07 (1)

0.28 (1)

0.08 (1)

0.12 (1)

0.97 (1)

0.29 (1)

0.27 (1)

0.07 (1)

0.28 (1)

0.08 (1)

0.12 (1)

0.97 (1)

0.29 (1)

0.27 (1)

0.07 (1)

0.28 (1)

0.08 (1)

0.12 (1)

0.97 (1)

0.29 (1)

0.27 (1)

0.07 (1)

0.28 (1)

0.08 (1)

0.12 (1)

0.97 (1)

0.29 (1)

0.27 (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/IC

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 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 (0.08")

CSI: TC=0.67/1.00 (D-E:1), BC=0.24/1.00 (I-J:1),

WB=0.97/1.00 (D-G:1), SSI=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

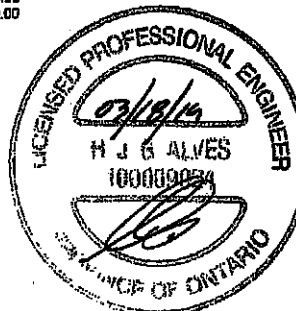
MT20 619 354 1687 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

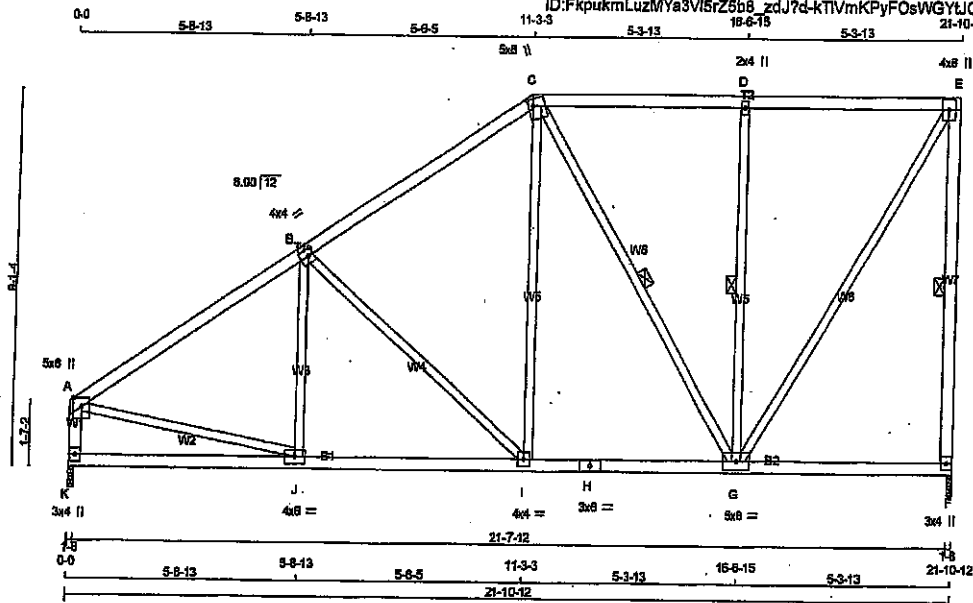
JSI GRIP= 0.75 (A) (INPUT = 0.80)

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



DRWG NO. TAM 17405377
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T23	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:18:11 2019 Page 1 ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-kTIVmKPyFOsWGYtJCLx2zJonvPp7PMkmu7yxWzZJE	



TOTAL WEIGHT = 2 X 108 = 216 lb

LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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 1.50
C	TTVW+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	BMVWVW-t	MT20	5.0	6.0
H	BS-1	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 REQD
	VERT	DOWN	BRG
F	1309	0	1-8
K	1309	0	1-8

UNFACTORED REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
F	920	636 / 0	0 / 0	0 / 0	0 / 0	265 / 0
K	920	636 / 0	0 / 0	0 / 0	0 / 0	265 / 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 = 4.89 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)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	-1373 / 0	J-B	-160 / 48
B-C	-1019 / 0	B-I	-466 / 0
C-D	-845 / 0	I-C	0 / 417
D-E	-648 / 0	C-G	-338 / 0
E-F	-1270 / 0	G-D	-672 / 0
K-A	-1288 / 0	G-E	0 / 1243
		A-J	0 / 1203
K-J	0 / 0		
J-I	0 / 1174		
I-H	0 / 818		
H-G	0 / 818		
G-F	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, OBC 2012
- CSA 085-09, CSA 085-14
- 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) = 1/360 (0.73")
CALCULATED VERT. DEFL.(LL) = 1/959 (0.04")
ALLOWABLE DEFL.(TL) = 1/360 (0.73")
CALCULATED VERT. DEFL.(TL) = 1/959 (0.08")

CSI: TC=0.49/1.00 (E-F), BC=0.28/1.00 (I-J), WB=0.55/1.00 (B-I), SS=0.28/1.00 (D-E)

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.

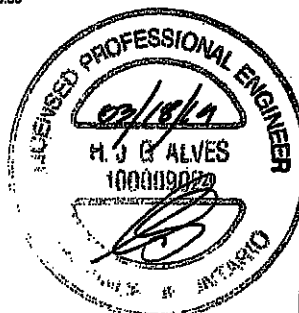
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1967 1868

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT = 0.90)
JSI METAL= 0.98 (A) (INPUT = 1.00)

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

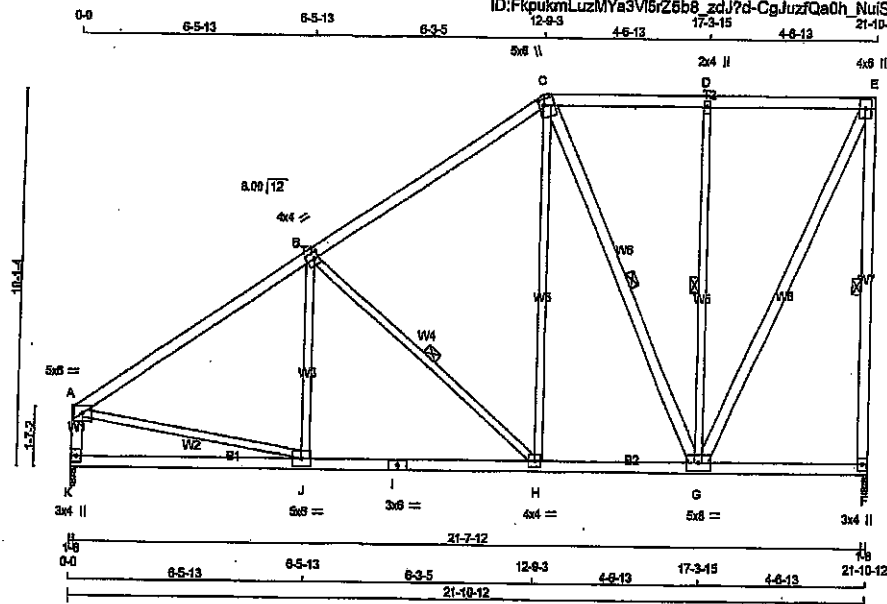


DWG NO. TAM 11705378
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

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Scale = 1:57.6



TOTAL WEIGHT = 2 X 121 = 241 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 - I	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF

ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
C - G	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TWVW+p	MT20	5.0	8.0	Edge
B	TWVW+1	MT20	4.0	4.0	2.00 1.50
C	TWVW+m	MT20	5.0	6.0	2.00 1.50
D	TWVW+v	MT20	2.0	4.0	
E	TWVW+p	MT20	4.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWVW+1	MT20	5.0	8.0	
H	BMVW+1	MT20	4.0	4.0	
I	BS+1	MT20	3.0	6.0	
J	BMVW+1	MT20	5.0	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	REQ'D BRG
	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	820	636/0	0/0	0/0	0/0	285/0	0/0
K	920	698/0	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 = 4.75 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.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, B-H, 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)	LC1 MAX. CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
A-B	-1364 / 0	-102.1	-102.1	0.80 (1)	4.75	J-B	-102 / 77	0.08 (1)
B-C	-900 / 0	-102.1	-102.1	0.85 (1)	5.64	B-H	-813 / 0	0.30 (1)
C-D	-514 / 0	-102.1	-102.1	0.27 (1)	6.25	H-C	0 / 498	0.10 (1)
D-E	-514 / 0	-102.1	-102.1	0.27 (1)	6.25	G-C	-481 / 0	0.31 (1)
E-F	-1275 / 0	0.0	0.0	0.64 (1)	5.71	G-D	-575 / 0	0.40 (1)
K-A	-1263 / 0	0.0	0.0	0.13 (1)	7.16	E-E	0 / 1208	0.18 (1)
						A-J	0 / 1193	0.27 (1)
K-J	0 / 0	-17.5	-17.5	0.18 (4)	10.00			
J-I	0 / 1171	-17.5	-17.5	0.28 (1)	10.00			
I-H	0 / 1171	-17.5	-17.5	0.28 (1)	10.00			
H-G	0 / 718	-17.5	-17.5	0.17 (1)	10.00			
G-F	0 / 0	-17.5	-17.5	0.08 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	29.0	PSF
	DL =	6.0	FSF
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 088-09, 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)= $L/360$ (0.73")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL)= $L/360$ (0.73")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

CSI: TC=0.64/1.00 (E-F:1), BC=0.28/1.00 (H-J:1),
WB=0.40/1.00 (D-G: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	GRIP (DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	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.

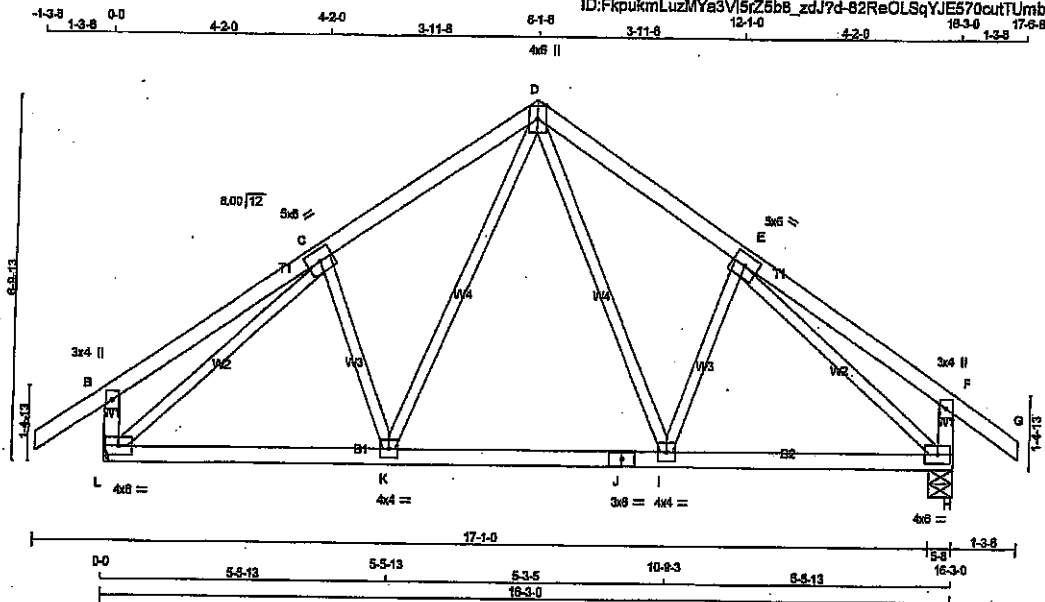
SI GRIP= 0.75 (A) (INPUT = 0.90)
SI METAL= 0.40 (I) (INPUT = 1.00)



DWG NO. TAM 71905377
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T25	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 M Tek Industries, Inc. Mon Mar 18 12:18:14 2018 Page 1
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TOTAL WEIGHT = 4 X 72 = 280 lb

LUMBER			
N L G A	RULES		
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
L - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - H	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+1	MT20	5.0	6.0
D	TTVW+1	MT20	4.0	6.0
E	TMVW+1	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	6.0
J	BS+1	MT20	3.0	6.0
K	BMVW+1	MT20	4.0	6.0
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
JT	GROSS REACTION	DOWN	GROSS REACTION	BRG	BRG
L	VERT	1112	0	0	0
H	HORIZ	1112	0	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	778	682/0	0/0	0/0	0/0	228/0	0/0
H	778	552/0	0/0	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 = 6.20 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH (L)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (L)	MAX. FACTORED FORCE (LBS)
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	-248/0	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)	8.20	C-K	-248/0	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 = 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. 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 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 (0.54")
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), BC=0.20/1.00 (K-L:1),
WB=0.57/1.00 (E-H:1), SB=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 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.61 (L) (INPUT = 0.90)
JSI METAL= 0.29 (C) (INPUT = 1.00)

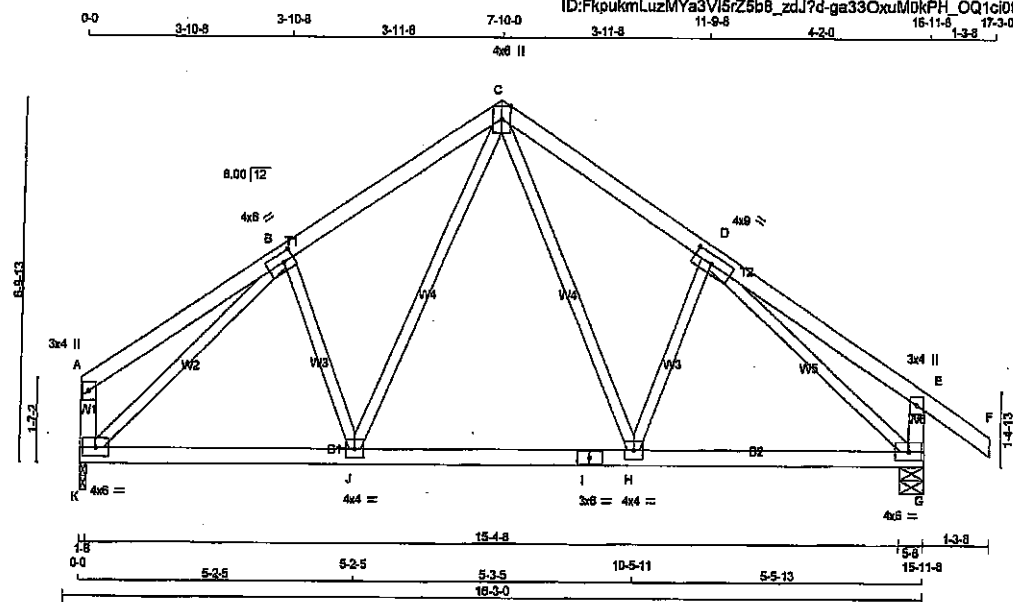


DWG NO. TAM 17905380
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T25A	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/40.0

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
K - A	2x4	DRY	No.2
G - E	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
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	8.0	2.00	2.25
C	TTVW+p	MT20	4.0	8.0	Edge	
D	TMVW-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	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-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	REQRD			
	GROSS REACTION	GROSS REACTION	BRG	BRG			
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	982	0	982	0	0	1-8	1-8
G	1102	0	1102	0	0	5-8	5-8

UNFACTORED REACTIONS							
1ST LCASE	MAX	MIN	COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	677	463 / 0	0 / 0	0 / 0	0 / 0	214 / 0	0 / 0
G	773	543 / 0	0 / 0	0 / 0	0 / 0	230 / 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				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	LENGTH	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)	8.25	H-D	-254 / 0	0.07 (1)
C-D	-903 / 0	-102.1 -102.1	0.21 (1)	8.23	J-C	0 / 316	0.07 (1)
D-E	0 / 28	-102.1 -102.1	0.27 (1)	10.00	B-J	-201 / 0	0.08 (1)
E-F	0 / 39	-102.1 -102.1	0.14 (1)	10.00	K-B	-1085 / 0	0.50 (1)
K-A	-148 / 0	0.0 0.0	0.02 (1)	7.81	D-G	-1113 / 0	0.58 (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 = 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 2010, OBC 2012
- CSA 086-09, 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 (0.53")
CALCULATED VERT. DEFL.(LL) = L/989 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/989 (0.05")

CSI: TC=0.27/1.00 (D-E:1), BC=0.20/1.00 (G-H:1), WB=0.58/1.00 (D-G:1), SI=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

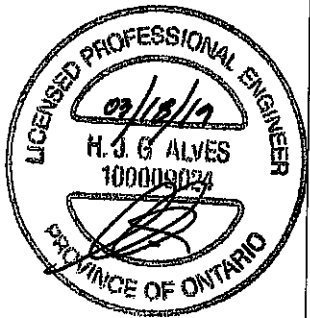
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.61 (K) (INPUT = 0.80)
JSI METAL= 0.28 (B) (INPUT = 1.00)

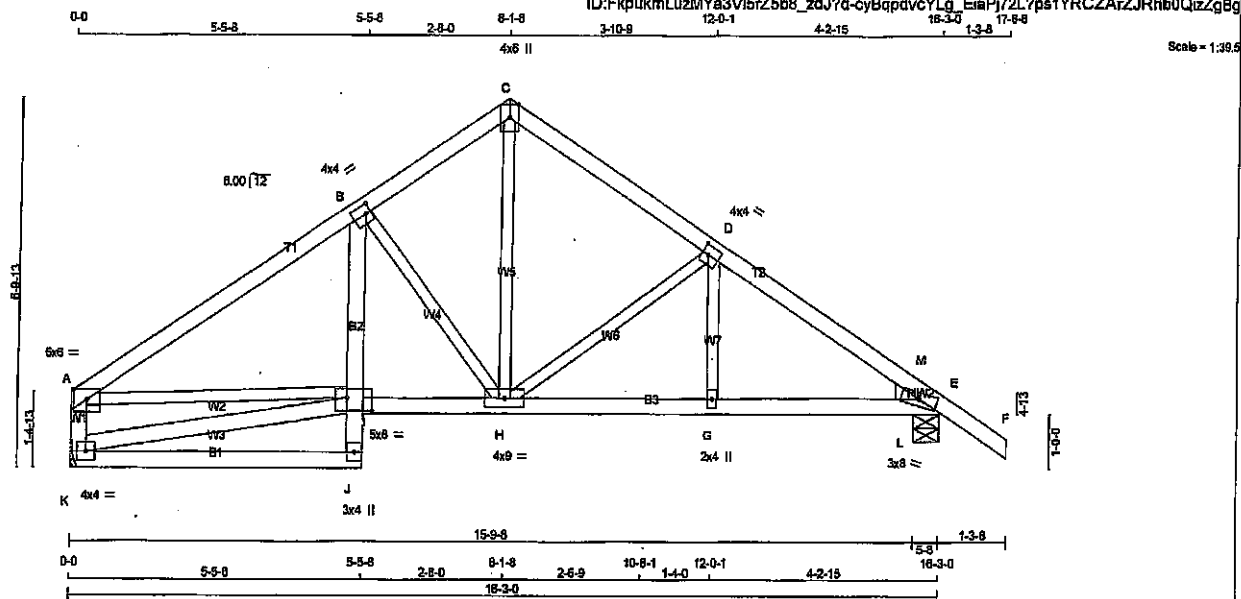


DRWG NO. TAM T7905420
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-cyBapdvCYLg_EiaPJ72L?ps1YRCZArZJRhb0QizZgBg



TOTAL WEIGHT = 4 X 73 = 291 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
K - A	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
I - E	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
K - I	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge
B	TMVW-i	MT20	4.0	4.0	2.00 1.00
C	TTW-p	MT20	4.0	8.0	Edge
D	TMVW-t	MT20	4.0	4.0	2.00 1.50
E	TMBH1-m	MT20	3.0	8.0	
G	BMVW-w	MT20	2.0	4.0	
H	BMVWVW-t	MT20	4.0	9.0	
I	BMVWVW-i	MT20	5.0	8.0	3.00 5.50
J	BMVW-p	MT20	3.0	4.0	
K	BMVWV1-i	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	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
K	980	0	980	0	0
E	1120	0	1120	0	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	690	472 / 0	0 / 0	0 / 0	0 / 0	0 / 0	218 / 0	0 / 0
E	768	552 / 0	0 / 0	0 / 0	0 / 0	0 / 0	234 / 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 = 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 (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1213 / 0	-102.1 -102.1	0.36 (1)	5.39	K-I	-22 / 0	0.01 (1)
B-C	-924 / 0	-102.1 -102.1	0.27 (1)	6.09	A-I	0 / 1031	0.23 (1)
C-D	-897 / 0	-102.1 -102.1	0.18 (1)	6.25	H-C	0 / 759	0.17 (1)
D-M	-1325 / 0	-102.1 -102.1	0.19 (1)	5.43	B-H	-505 / 0	0.17 (1)
M-E	-1411 / 0	-102.1 -102.1	0.04 (1)	5.46	G-D	0 / 93	0.03 (4)
E-F	0 / 36	-102.1 -102.1	0.14 (1)	10.00	H-D	-491 / 0	0.19 (1)
K-A	-927 / 0	0.0 0.0	0.10 (1)	7.81	L-M	-68 / 29	0.00 (1)
K-J	0 / 22	-18.5 -18.5	0.15 (4)	10.00			
J-I	0 / 55	0.0 0.0	0.04 (1)	10.00			
I-B	0 / 70	0.0 0.0	0.04 (1)	10.00			
I-H	0 / 1037	-18.5 -18.5	0.19 (1)	10.00			
H-G	0 / 1120	-18.5 -18.5	0.21 (1)	10.00			
G-L	0 / 1120	-18.5 -18.5	0.26 (1)	10.00			
L-E	0 / 1120	-18.5 -18.5	0.25 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	6.0	P8F
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 BCBC 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 (0.54")
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), SB=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.

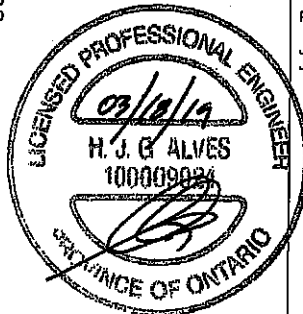
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1687

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.59 (1) (INPUT = 0.90)
JSI METAL= 0.25 (1) (INPUT = 1.00)

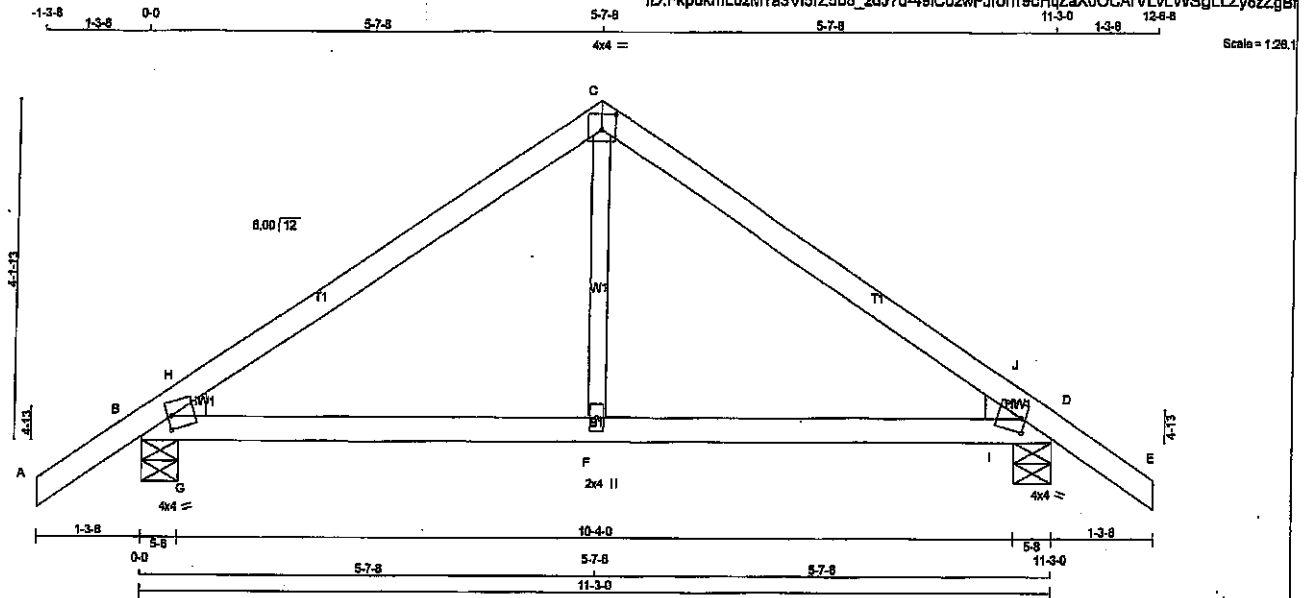


DWG NO. TAM 17905421
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T51	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:28 2019 Page 1
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TOTAL WEIGHT = 2 X 38 = 72 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	
B - D	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	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
	GROSS REACTION	DOWN	GROSS REACTION	UP			
JT	VERT	HORZ	DOWN	HORZ	BRG	BRG	WEDGE
B	819	0	819	0	5-8	5-8	2x4 L
D	819	0	819	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	574	406 / 0	0 / 0	0 / 0	0 / 0	167 / 0
D	574	406 / 0	0 / 0	0 / 0	0 / 0	167 / 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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LOC. 1	MAX. CS1 (LC)	MAX. UNBRAC. LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 / 36	-102.1	-102.1	0.14 (1)	10.00	F-C	0 / 268	0.06 (1)	
B-H	-582 / 0	-102.1	-102.1	0.13 (1)	6.25	G-H	-432 / 0	0.00 (1)	
H-C	-873 / 0	-102.1	-102.1	0.37 (1)	6.25	I-J	-432 / 0	0.00 (1)	
C-J	-873 / 0	-102.1	-102.1	0.37 (1)	6.25				
J-D	-582 / 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 = 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 CBC 2018, OBC 2012
- CSA 086-09, 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 (0.38")
CALCULATED VERT. DEFL.(LL) = L/998 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/998 (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), SSI=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

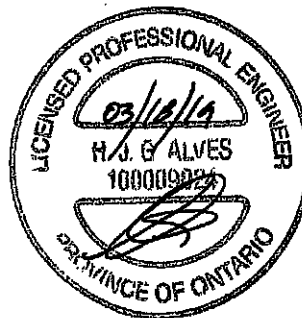
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1658

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)

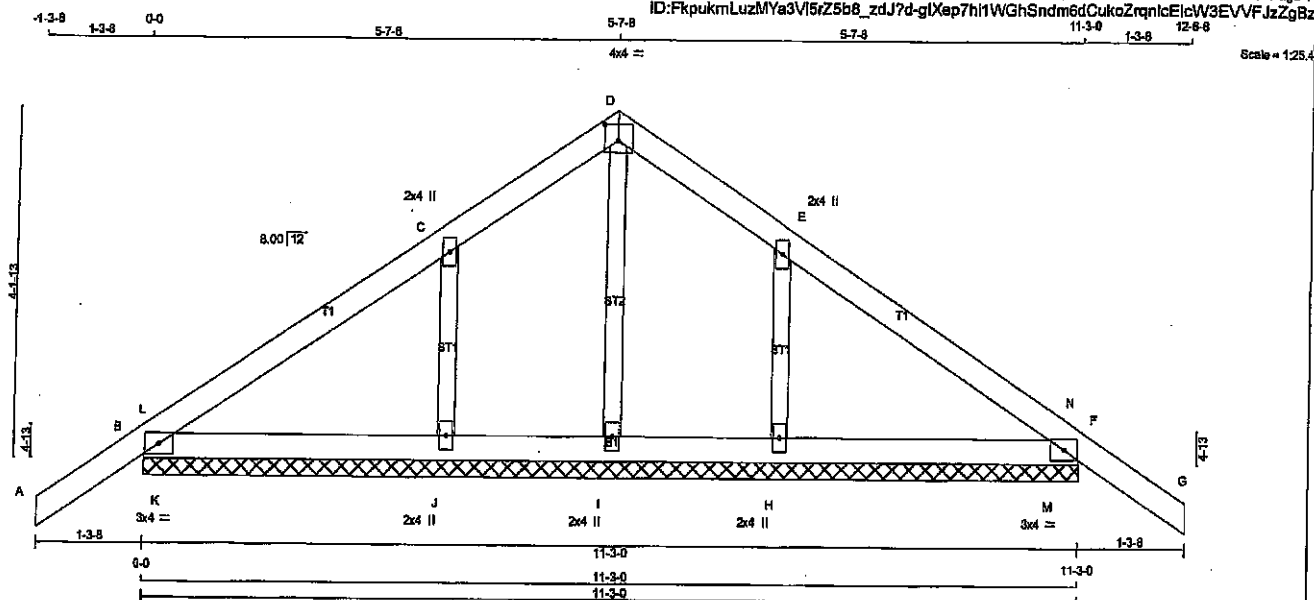


JWG NO. TAM 71905422
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:46:08 2019 Page 1
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TOTAL WEIGHT = 2 X 38 = 77 lb

LUMBER

N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
B - F	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" 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. UNBRACED LENGTH	MAX. LC1 (LC)
FR-TO		FROM 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	8.25	0.08 (1)
L-C	-70/0	-102.1 -102.1	0.13 (1)	H-E	-335/0	8.25	0.08 (1)
C-D	-85/0	-102.1 -102.1	0.13 (1)	K-L	-231/5	8.25	0.00 (1)
D-E	-85/0	-102.1 -102.1	0.13 (1)	M-N	-231/5	8.25	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	0/58	-18.5 -18.5	0.07 (1)				
I-H	0/58	-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 = 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

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 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

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), SSI=0.18/1.00 (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.

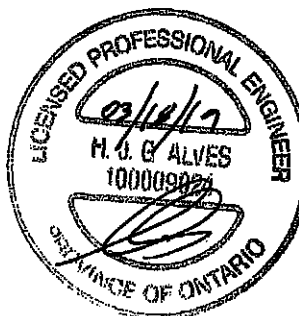
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	518 354	1887 788	1987 1856

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)



DWG NO. TAM 71905423
STRUCTURAL
COMPONENT ONLY

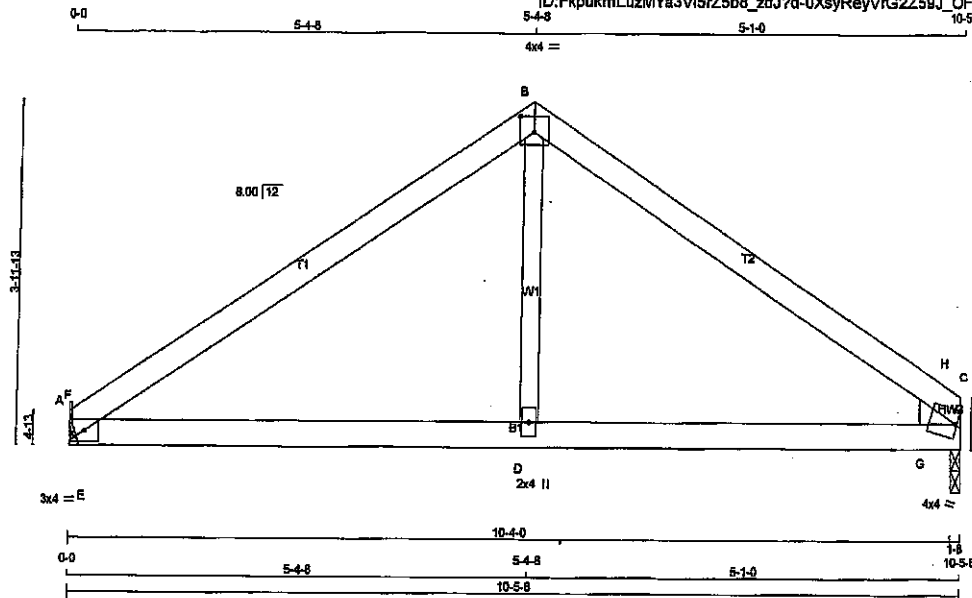
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T53	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-0XsyRyVrG2Z5Bj_OFc2dRTYqeCsNFB17qg01zZgBd

Scale = 1/24.7



TOTAL WEIGHT = 30 lb (M/F)

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
A - C	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	TMB1-I	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG	HEEL
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
A	631	0	631	0	0
C	631	0	631	0	0

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

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 = 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC1)	MAX. FACTORED FORCE (LBS)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO						FR-TO			
A-F	-277 / 0	-102.1	-102.1	0.17 (1)	6.25	D-B	0 / 217	0.05 (1)	
F-B	-605 / 0	-102.1	-102.1	0.36 (1)	6.25	E-F	-741 / 0	0.00 (1)	
B-H	-607 / 0	-102.1	-102.1	0.28 (1)	6.25	G-H	-362 / 17	0.00 (1)	
H-C	-495 / 0	-102.1	-102.1	0.17 (1)	6.25				
A-E	0 / 499	-18.5	-18.5	0.35 (1)	10.00				
E-D	0 / 499	-18.5	-18.5	0.35 (1)	10.00				
D-G	0 / 499	-18.5	-18.5	0.28 (1)	10.00				
G-C	0 / 499	-18.5	-18.5	0.28 (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 NBCC 2010, 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 (0.35")
CALCULATED VERT. DEFL.(LL) = L/689 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/689 (0.07")

CSI: TC=0.36/1.00 (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

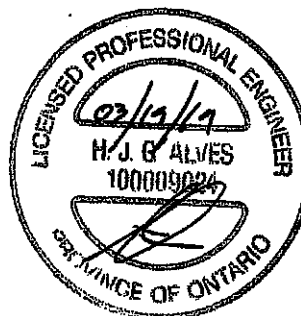
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (C) (INPUT = 0.90)
JSI METAL= 0.27 (C) (INPUT = 1.00)

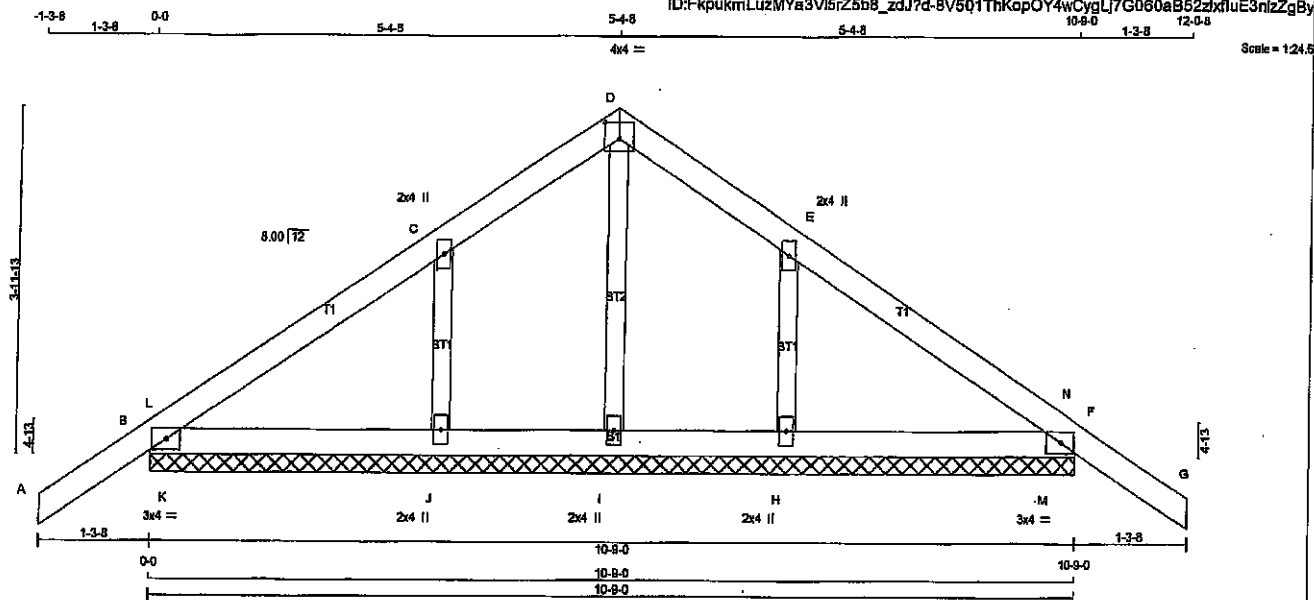


DRWG NO. TAM 17707425
STRUCTURAL
COMPONENT ONLY

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 (6)

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	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	BMV1+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. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0/36	-102.1	10.00	I-D	-59/0	10.00	0.01 (1)
B-L	-39/0	-102.1	10.00	J-C	-317/0	10.00	0.05 (1)
L-C	-84/0	-102.1	10.00	H-E	-317/0	10.00	0.05 (1)
C-D	-86/0	-102.1	10.00	K-L	-198/5	10.00	0.00 (1)
D-E	-86/0	-102.1	10.00	M-N	-198/5	10.00	0.00 (1)
E-N	-84/0	-102.1	10.00				
N-F	-39/0	-102.1	10.00				
F-G	0/36	-102.1	10.00				
B-K	0/84	-18.5	10.00				
K-J	0/84	-18.5	10.00				
J-I	0/53	-18.5	10.00				
I-H	0/53	-18.5	10.00				
H-M	0/64	-18.5	10.00				
M-F	0/64	-18.5	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 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

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)

DDL 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.

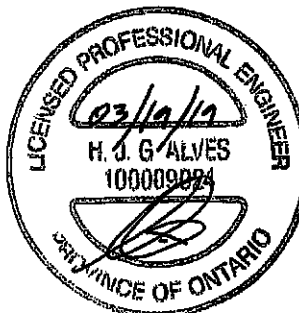
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN MAX MIN MAX MIN		
MT20 618 354 1667 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)

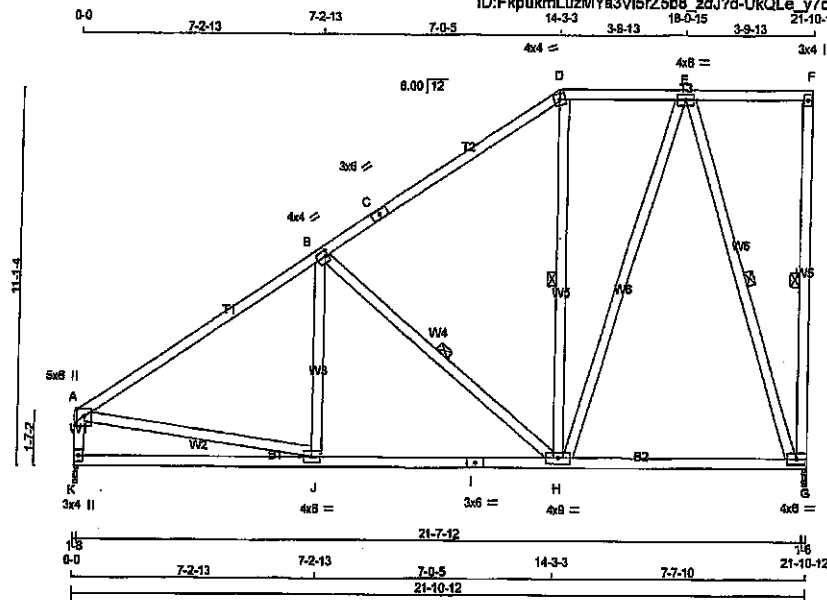


DRWG NO. TAM 7905426
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T54	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/8" = 1'-0"

TOTAL WEIGHT = 3 X 129 = 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.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	8.0	Edge	
B	TMVW-t	MT20	4.0	4.0	2.00	1.00
C	TS-t	MT20	3.0	8.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	8.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	8.0		
H	BMVW-t	MT20	4.0	8.0		
I	BS-t	MT20	3.0	8.0		
J	BMVW-t	MT20	4.0	8.0		
K	BMV+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	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1320	0	1320	0	1-8	1-8
K	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

1ST LOASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	929	636 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0
K	929	636 / 0	0 / 0	0 / 0	0 / 0	283 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
		FROM	TO				
FR-TO							
A-B	-1355 / 0	-102.1	-102.1	0.77 (1)	4.37	J-B	-63 / 89
B-C	-784 / 0	-102.1	-102.1	0.71 (1)	5.52	B-H	-733 / 0
C-D	-784 / 0	-102.1	-102.1	0.71 (1)	5.52	H-D	-9 / 62
D-E	-809 / 0	-102.1	-102.1	0.19 (1)	8.25	A-J	0 / 1186
E-F	0 / 0	-102.1	-102.1	0.25 (1)	10.00	H-E	0 / 670
G-F	-147 / 0	0.0	0.0	0.09 (1)	6.25	E-G	-1185 / 0
K-A	-1265 / 0	0.0	0.0	0.13 (1)	7.16		
K-J	0 / 0	-18.5	-18.5	0.22 (4)	10.00		
J-I	0 / 1168	-18.5	-18.5	0.32 (4)	10.00		
I-H	0 / 1168	-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 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 (0.73")
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), BC=0.32/1.00 (H-J-4),
WB=0.89/1.00 (E-G-1), SS=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.

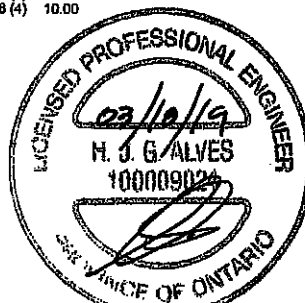
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (J) (INPUT = 0.80)
JSI METAL= 0.57 (A) (INPUT = 1.00)



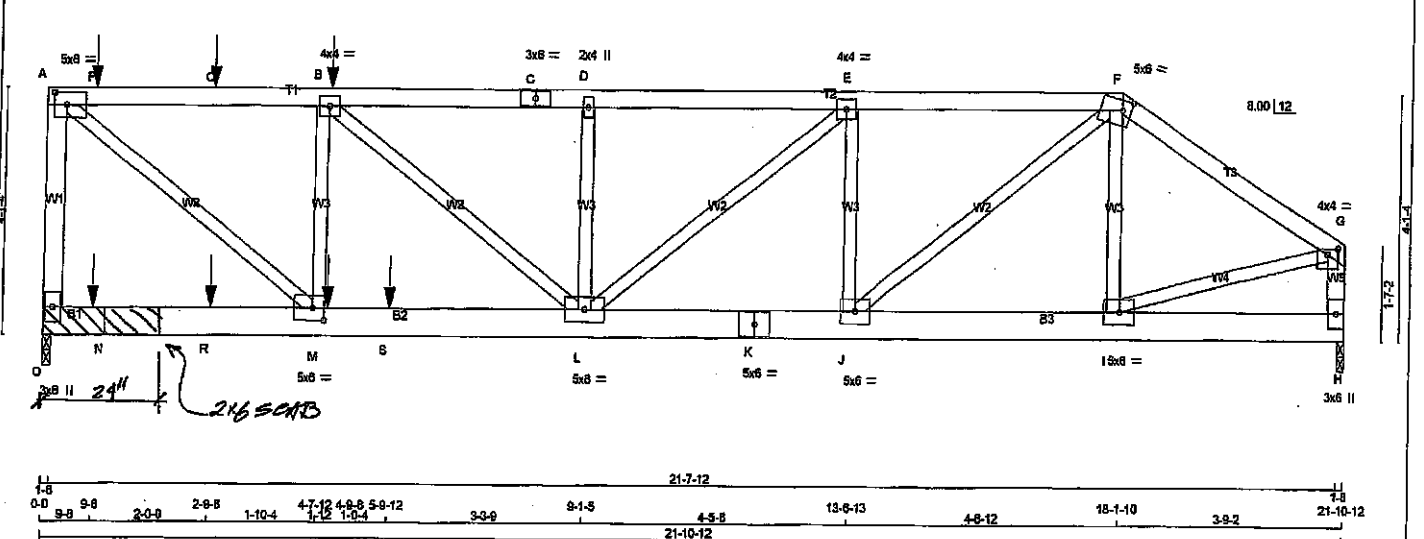
DRWG NO. TAM 71905427
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T55	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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0.0 9-8 2-9-8 1-10-4 4-7-12 4-9-8 4-3-13 9-1-5 4-5-8 13-8-13 4-6-12 18-1-10 3-5-10 21-7-4 21-10-12
Scale = 1:35.6



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(81.0)
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	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 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-I	MT20	5.0	8.0	2.50	2.25
B	TMVW-I	MT20	4.0	4.0		
C	TS-I	MT20	3.0	6.0		
D	TMVW-I	MT20	2.0	4.0		
E	TMVW-I	MT20	4.0	4.0		
F	TTVW-m	MT20	5.0	6.0	2.00	1.75
G	TMVW-p	MT20	4.0	4.0	1.25	2.00
H	BMV1+p	MT20	3.0	6.0		
I	BMVW-I	MT20	5.0	6.0		
J	BMVW-I	MT20	5.0	6.0		
K	BS-I	MT20	5.0	6.0		
L	BMVW-W-I	MT20	5.0	6.0		
M	BMVW-I	MT20	5.0	6.0	2.50	2.25
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	VERT: 3081	DOWN 3051	0	1-8 & BLOCK
O	HORZ: 0	UP 0	0	1-8
H	VERT: 1880	DOWN 1860	0	1-8

UNFACTORED REACTIONS

	1ST CASE	MAX./MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
O	2151	1469 / 0	0 / 0
H	1308	902 / 0	0 / 0

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

2x6 DRY SPF NO.2 BEARING BLOCK 2' 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 PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

FR-TO	CHORDS		FACTORED		WEBS		FACTORED	
	MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX. UNBRAC LENGTH	FR-TO
O-A	-3080 / 0	0.0	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	-367 / 0	0.05 (1)	
P-Q	-3431 / 0	-102.1	-102.1	0.30 (1)	J-E	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 / 4399	0.54 (1)	
D-E	-3840 / 0	-102.1	-102.1	0.23 (1)	M-B	-1128 / 0	0.44 (1)	
E-F	-3081 / 0	-102.1	-102.1	0.21 (1)	B-L	0 / 1791	0.07 (1)	
F-G	-2028 / 0	-102.1	-102.1	0.16 (1)	I-G	0 / 1791	0.07 (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 / 1872	-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-	MAX+	FACE	DIR.	TOTAL
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 = 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 BCBC 2018, OSC 2012
- CSA 088-08, 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 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=0.39/1.00 (A-C:1), BC=0.85/1.00 (L-M:1), WB=0.54/1.00 (A-M:1), SS=0.47/1.00 (L-M:1)

DOL LUMBER=1.00 NAIL=1.00 L3 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 SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1987 1658

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)

DRWG NO. TAM T1905428
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T56	1	1	TRUSS DESC.		

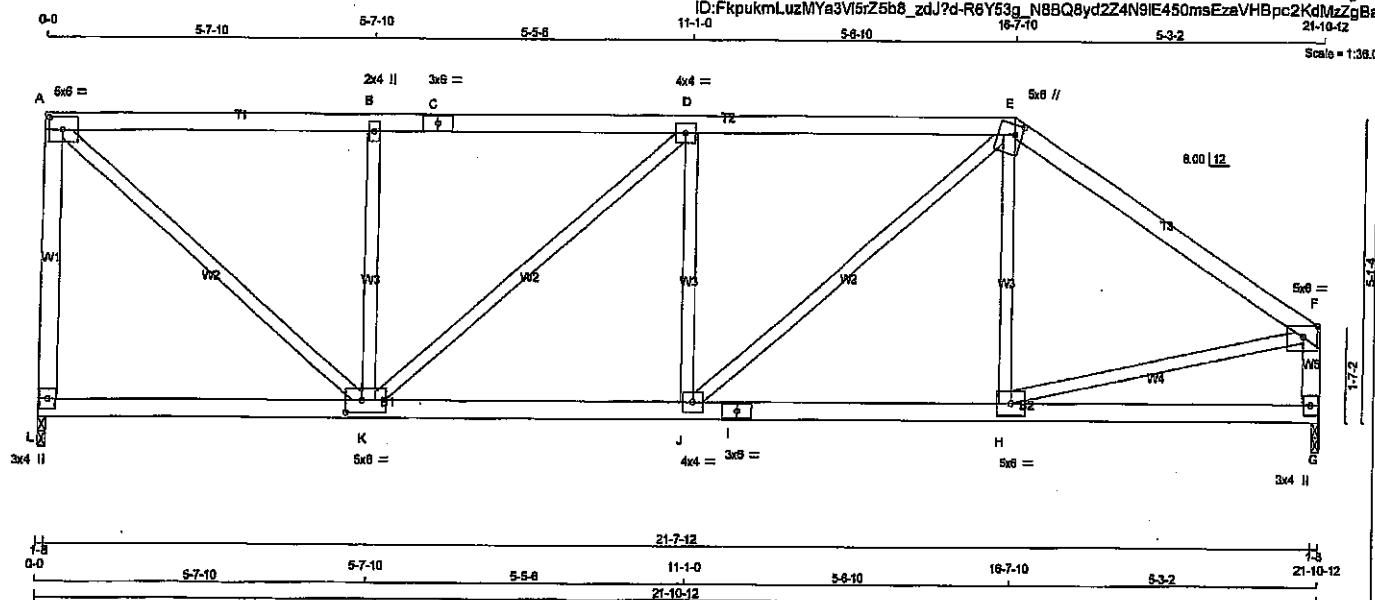
Tamarack Roof Truss, Burlington

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21-10-12

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 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	8.0	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	8.0	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	8.0	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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1320	0	1320	0
G	1320	0	1320	0

UNFACTORED REACTIONS

	1ST LCASE	MAX	MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE	PERM. LIVE
L	929	636 / 0	0 / 0	0 / 0
G	929	636 / 0	0 / 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 = 4.65 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. LOCAL CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
L-A	-1277 / 0	0.0	0.0	0.58 (1)	7.13	H-E	-151 / 43
A-B	-1221 / 0	-102.1	-102.1	0.47 (1)	5.18	H-F	0 / 1147
B-C	-1221 / 0	-102.1	-102.1	0.47 (1)	5.16	K-B	-821 / 0
C-D	-1221 / 0	-102.1	-102.1	0.47 (1)	5.16	A-K	0 / 1608
D-E	-1570 / 0	-102.1	-102.1	0.49 (1)	4.66	J-E	0 / 805
E-F	-1343 / 0	-102.1	-102.1	0.57 (1)	4.82	J-D	-302 / 0
G-F	-1281 / 0	0.0	0.0	0.13 (1)	7.13	K-D	-485 / 0
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 = 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, 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 28.0 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 (0.10")

CSI: TC=0.57/1.00 (E-F), BC=0.32/1.00 (J-K), WB=0.47/1.00 (D-K), SSI=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.

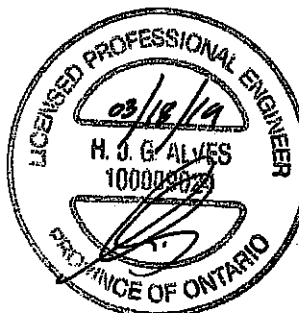
NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

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)

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



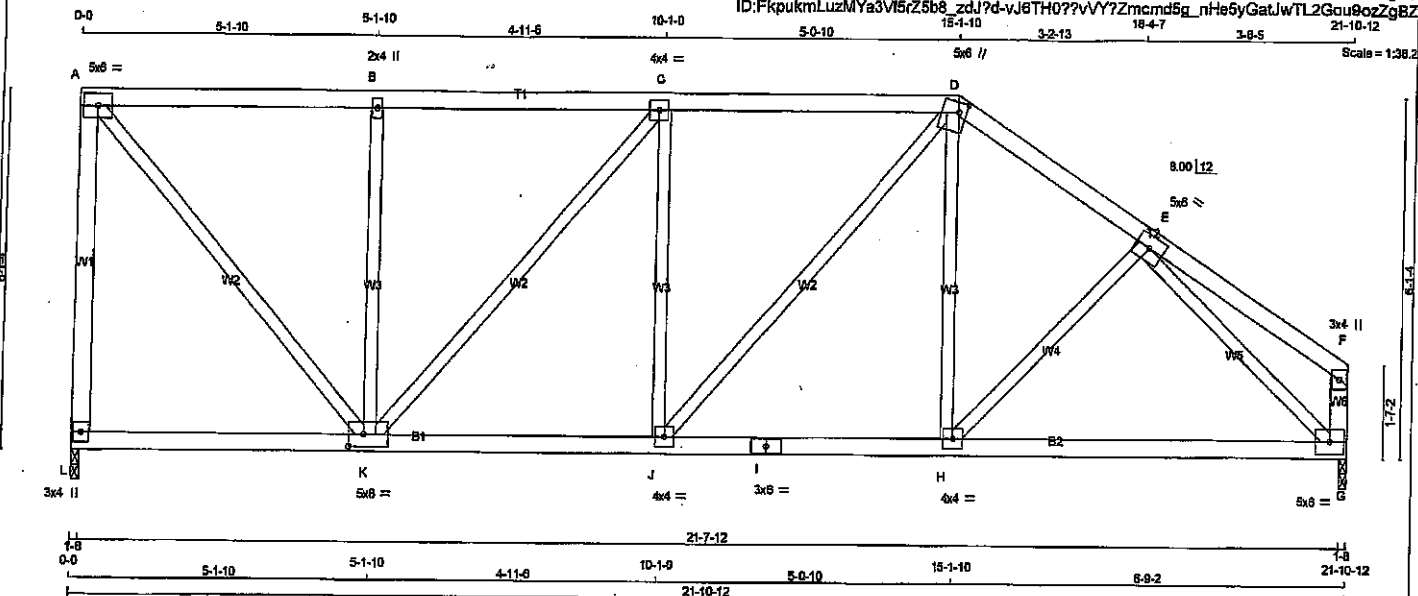
DWG NO. TAM T1909429
STRUCTURAL
COMPONENT ONLY

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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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 - I	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	TTVW-w	MT20	5.0	8.0	2.00	1.50
E	TMVW-t	MT20	5.0	6.0		
F	TMVW-p	MT20	3.0	4.0		
G	BMVW-1	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-w	MT20	5.0	8.0	2.50	3.00
L	BMV-1-p	MT20	3.0	4.0		

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

JT	FACTORED		MAXIMUM FACTORED		INPUT	RECORD
	GROSS REACTION	GROSS REACTION	GROSS REACTION	GROSS REACTION		
L	1320	0	1320	0	1-8	1-8
G	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
L	929	836 / 0	0 / 0	0 / 0	293 / 0	0 / 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)

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	
L-A	-1281 / 0	0.0 0.0 0.92 (1)	7.13	H-D 0 / 143 0.04 (4)
A-B	-943 / 0	-102.1 -102.1 0.37 (1)	5.85	A-K 0 / 1425 0.32 (1)
B-C	-943 / 0	-102.1 -102.1 0.37 (1)	5.85	K-B -564 / 0 0.33 (1)
C-D	-1282 / 0	-102.1 -102.1 0.38 (1)	5.20	J-D 0 / 309 0.07 (1)
D-E	-1317 / 0	-102.1 -102.1 0.20 (1)	5.41	J-C -158 / 28 0.09 (1)
E-F	0 / 20	-102.1 -102.1 0.17 (1)	10.00	K-C -522 / 0 0.61 (1)
G-F	-137 / 0	0.0 0.0 0.01 (1)	7.81	H-E -16 / 42 0.01 (4)
L-K	0 / 0	-18.5 -18.5 0.12 (4)	10.00	E-G -1568 / 0 0.80 (1)
K-J	0 / 1282	-18.5 -18.5 0.28 (1)	10.00	
J-I	0 / 1078	-18.5 -18.5 0.27 (1)	10.00	
I-H	0 / 1078	-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 = 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/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), WB=0.61/1.00 (C-K:1), SS=0.24/1.00 (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 LEFT HEEL ONLY

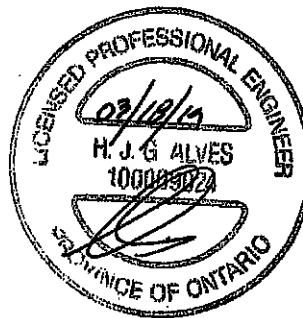
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

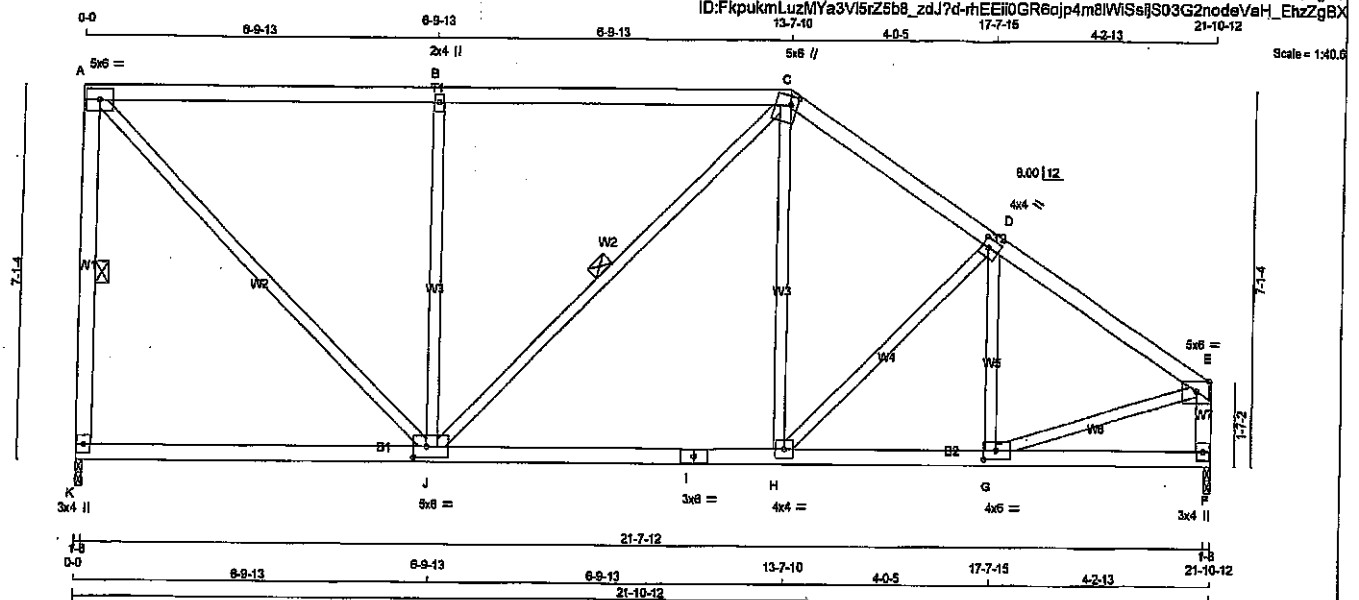
PLATE ROTATION TOL = 5.0 Deg.

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 401794	TRUSS NAME T58	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 15:46:35 2019 Page 1 ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-rHEE10GR6ojp4m8lWISelS03G2nodeVaH_EhzZgBX	



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-1	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-1	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-1	MT20	4.0	6.0	2.00	2.75
H	BMVW-1	MT20	4.0	4.0		
I	BS-1	MT20	3.0	6.0		
J	BMVW-1	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

FACTORED GROSS REACTION			MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	1320	0	1320	0	0	1-8	1-8
F	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
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)

CHORDS	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)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO												
K-A	-1289 / 0	0.0	0.0	0.29 (1)	5.71	A-J	0 / 1424	0.32 (1)				
A-B	-1010 / 0	-102.1	-102.1	0.89 (1)	4.37	J-B	-864 / 0	0.76 (1)				
B-C	-1010 / 0	-102.1	-102.1	0.89 (1)	4.37	J-C	-9 / 5	0.01 (4)				
C-D	-1236 / 0	-102.1	-102.1	0.32 (1)	5.38	H-C	0 / 251	0.08 (1)				
D-E	-1361 / 0	-102.1	-102.1	0.32 (1)	5.18	H-D	-214 / 0	0.12 (1)				
E-F	-1285 / 0	0.0	0.0	0.14 (1)	7.11	G-D	-273 / 0	0.08 (1)				
K-J	0 / 0	-18.5	-18.5	0.22 (4)	10.00	G-E	0 / 1206	0.27 (1)				
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 NBCC 2010, NBCC 2015
- 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=0.89/1.00 (A-B:1), BC=0.30/1.00 (H-J:4), WB=0.76/1.00 (B-J: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

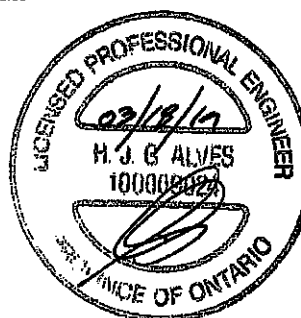
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.90)
JSI METAL= 0.34 (I) (INPUT = 1.00)



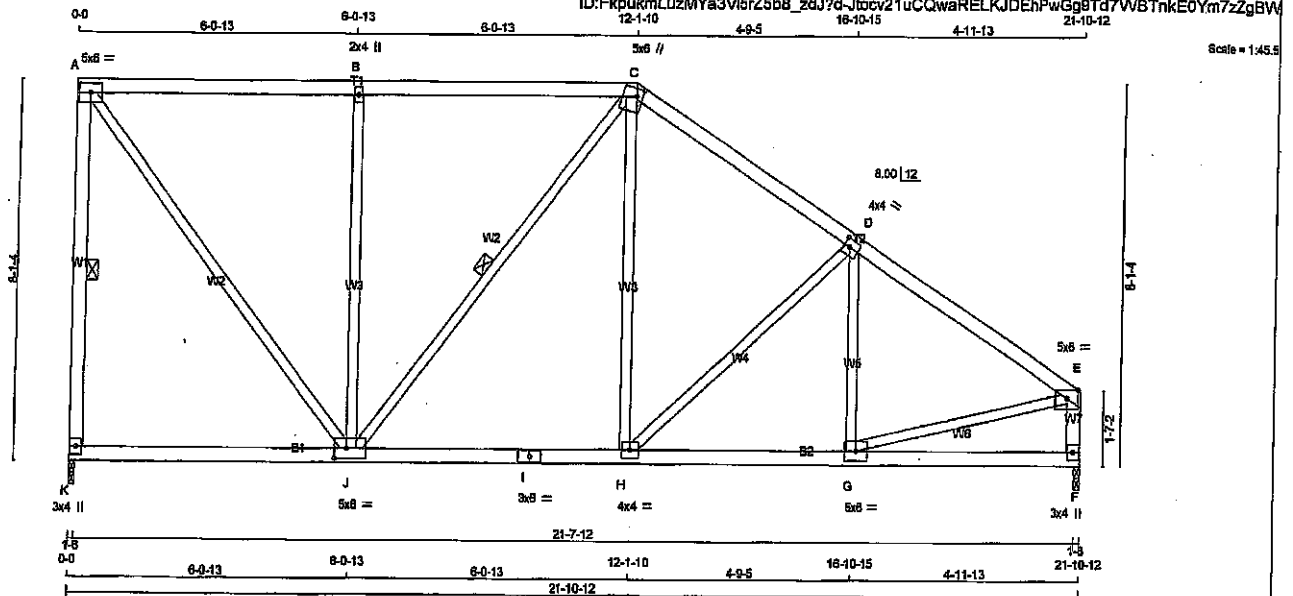
DRWG NO. TAM 71905431
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T59	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 103 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER	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 - 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-1	MT20	3.0	6.0		
J	BMVWVW-1	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
K	1320	0	1320	0	1-8	1-8
F	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
K	929	638 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0
F	929	638 / 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 = 4.94 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				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		
K-A	-1274 / 0	0.0	0.0 0.38 (1)	5.71	A-J	0 / 1317	0.30 (1)
A-B	-811 / 0	-102.1	-102.1 0.87 (1)	5.51	J-B	-768 / 0	0.97 (1)
B-C	-811 / 0	-102.1	-102.1 0.87 (1)	5.51	J-C	-181 / 0	0.12 (1)
C-D	-1138 / 0	-102.1	-102.1 0.45 (1)	5.34	H-C	0 / 341	0.08 (1)
D-E	-1381 / 0	-102.1	-102.1 0.47 (1)	4.94	H-D	-356 / 0	0.29 (1)
F-E	-1281 / 0	0.0	0.0 0.14 (1)	7.13	G-D	-204 / 20	0.07 (1)
					G-E	0 / 1214	0.27 (1)
K-J	0 / 0	-18.5	-18.5 0.17 (4)	10.00			
J-I	0 / 922	-18.5	-18.5 0.24 (4)	10.00			
I-H	0 / 922	-18.5	-18.5 0.24 (4)	10.00			
H-G	0 / 1176	-18.5	-18.5 0.24 (1)	10.00			
G-F	0 / 0	-18.5	-18.5 0.10 (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 NBCC 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 28.0 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 (0.08")

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), SS=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

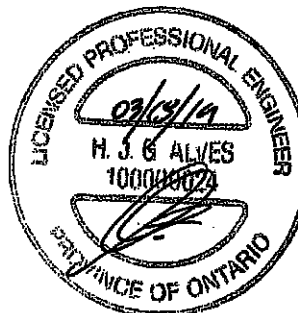
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

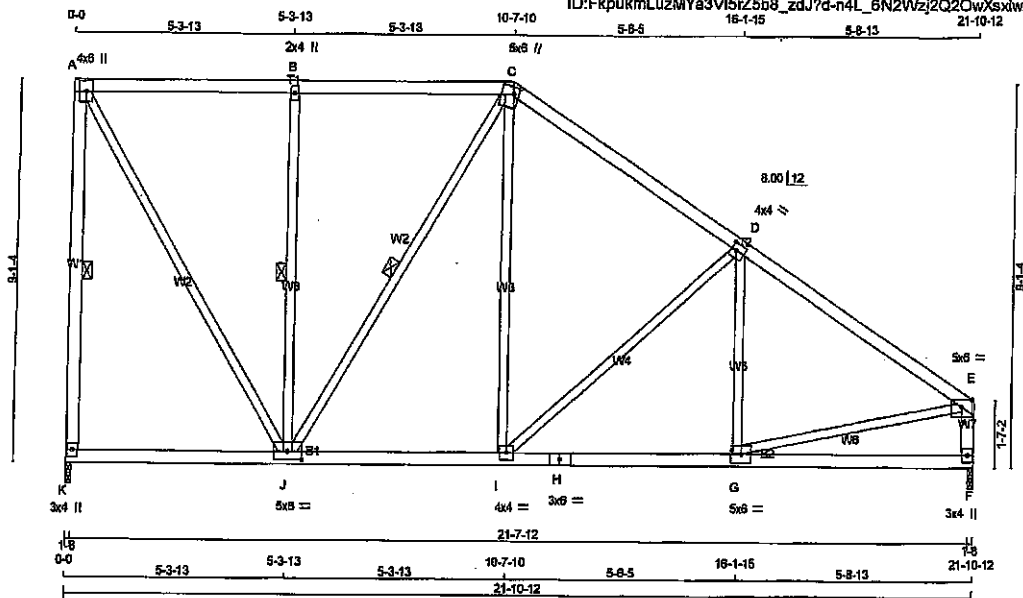
JSI GRIP= 0.75 (J) (INPUT = 0.90)
JSI METAL = 0.33 (I) (INPUT = 1.00)



DWG NO. TAM 1705432
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T60	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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TOTAL WEIGHT = 108 LB

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
K - 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 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		
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	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMVW-t	MT20	5.0	6.0	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	UP	IN-SX
K	1320	0	1320	0
F	1320	0	1320	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
K	928	636 / 0	0 / 0	293 / 0	0 / 0
F	928	636 / 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 = 4.98 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. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO	K-A	-1279 / 0	0.0	0.0	FR-TO	A-J	0 / 1253	0.28 (1)
	A-B	-651 / 0	-102.1	-102.1		J-B	-672 / 0	0.36 (1)
	B-C	-651 / 0	-102.1	-102.1		C-D	-340 / 0	0.28 (1)
	C-D	-1027 / 0	-102.1	-102.1		D-E	0 / 424	0.10 (1)
	D-E	-1385 / 0	-102.1	-102.1		E-F	-490 / 0	0.57 (1)
	E-F	-1278 / 0	0.0	0.0		F-G	-146 / 53	0.06 (1)
	F-G	0 / 0	-18.5	-18.5		G-H	0 / 1213	0.27 (1)
	G-H	0 / 0	-18.5	-18.5		H-I	0 / 828	0.19 (1)
	H-I	0 / 1184	-18.5	-18.5		I-J	0 / 1184	0.28 (1)
	I-J	0 / 1184	-18.5	-18.5		J-K	0 / 0	0.14 (4)
	J-K	0 / 0	-18.5	-18.5				

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 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) = $L/360$ (0.73")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
 ALLOWABLE DEFL.(TL) = $L/360$ (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-H:1), $WB=0.57/1.00$ (D-I:1), $SI=0.26/1.00$ (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)
MT20	618	354

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (E) (INPUT = 0.90)
 JSI METAL= 0.37 (H) (INPUT = 1.00)



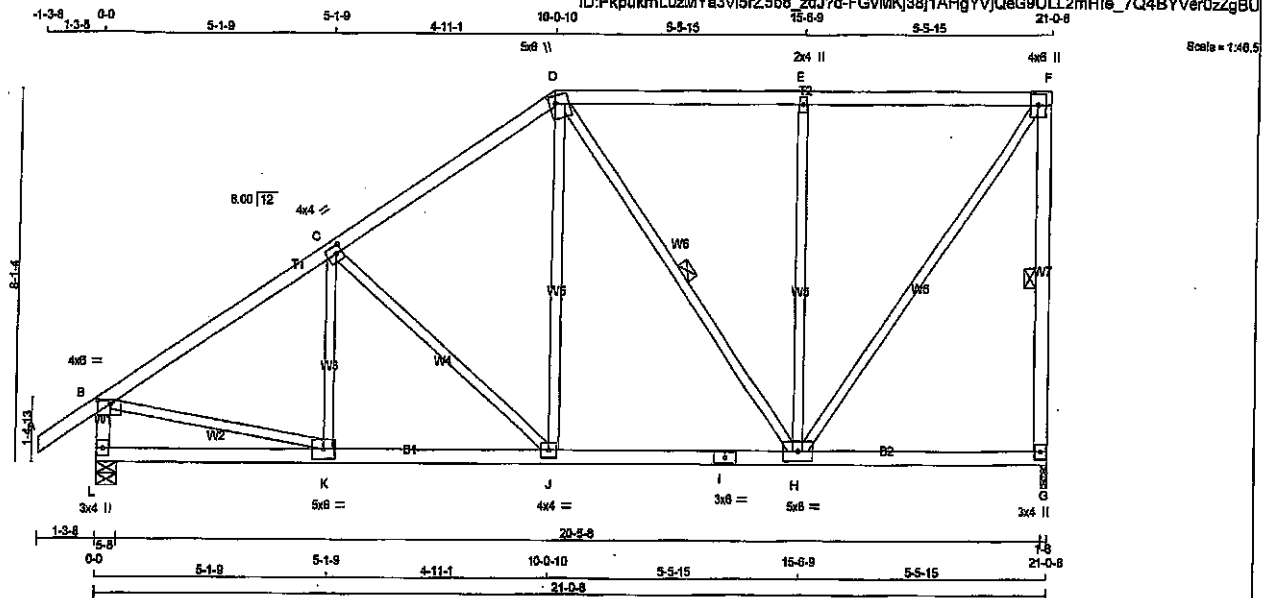
DRWG NO. TAM 71905433
 STRUCTURAL
 COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T65	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 102 lb

N. L. G. A. RULES	CHORDS	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	TMWW-p	MT20	4.0	6.0	1.00	3.25
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMWW-w	MT20	2.0	4.0		
F	TMWW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWV-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
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		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
G	1269	0	0	1269	0	0	1-8	1-8	
L	1409	0	0	1409	0	0	5-8	5-8	

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	
G	893	611/0	0/0	0/0	0/0	0/0	282/0	0/0	
L	989	691/0	0/0	0/0	0/0	0/0	299/0	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 = 4.90 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/39	-102.1 -102.1	0.14 (1)	K-C	-145/42	0.05 (1)	
B-C	-1374/0	-102.1 -102.1	0.50 (1)	C-J	-425/0	0.36 (1)	
C-D	-1063/0	-102.1 -102.1	0.47 (1)	J-D	0/378	0.08 (1)	
D-E	-716/0	-102.1 -102.1	0.54 (1)	D-H	-249/0	0.16 (1)	
E-F	-717/0	-102.1 -102.1	0.54 (1)	H-E	-694/0	0.88 (1)	
G-F	-1227/0	0.0 0.0	0.35 (1)	H-F	0/1240	0.28 (1)	
L-B	-1369/0	0.0 0.0	0.14 (1)	B-K	0/1197	0.27 (1)	
L-K	0/0	-18.5 -18.5	0.11 (4)				
K-J	0/1171	-18.5 -18.5	0.24 (1)				
J-I	0/859	-18.5 -18.5	0.21 (1)				
I-H	0/859	-18.5 -18.5	0.21 (1)				
H-G	0/0	-18.5 -18.5	0.14 (4)				

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/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 NBC 2018, NBC 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 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 (0.07")

CSI: TC=0.54/1.00 (E-F:1), BC=0.24/1.00 (J-K:1),
WB=0.68/1.00 (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

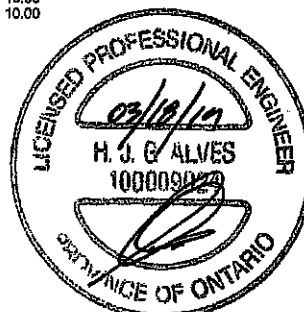
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.75 (H) (INPUT = 0.50)
JSI METAL = 0.33 (B) (INPUT = 1.00)



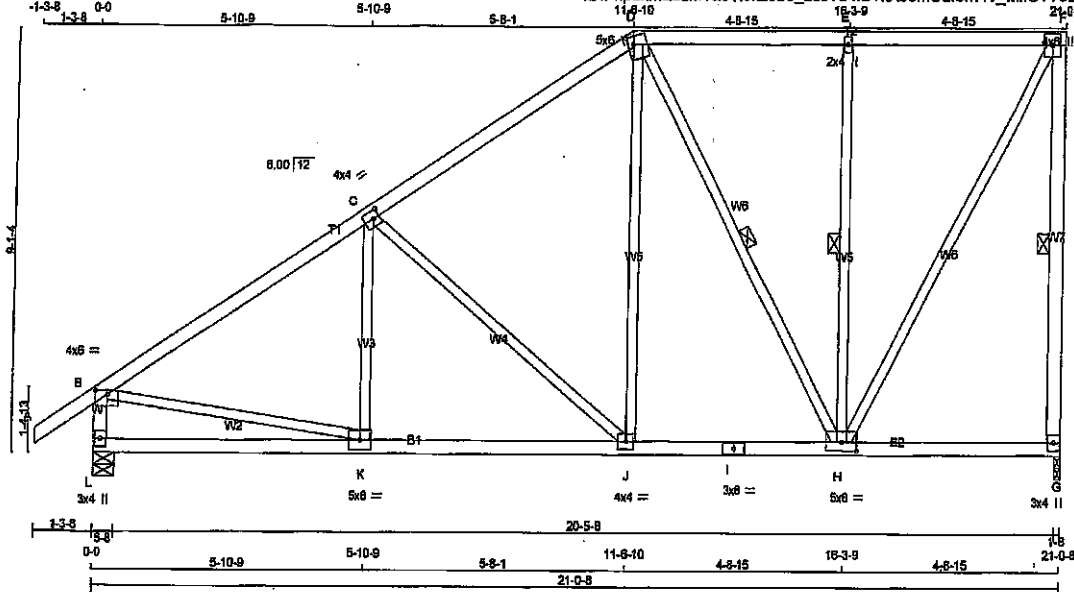
DRWG NO. TAM 77905434
STRUCTURAL
COMPONENT ONLY

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" = 1'-0"

TOTAL WEIGHT = 107 lb

LUMBER	N. L. G. A. RULES	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - I	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	TTVW+m	MT20	5.0	8.0	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	2.25	4.00
I	BS-1	MT20	3.0	8.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
G	1269	0	1269	0	1-8	1-8
L	1409	0	1409	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
G	893	611 / 0	0 / 0	0 / 0	0 / 0	282 / 0	0 / 0
L	989	691 / 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 = 4.96 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)	LC1	MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)				
FR-TO		FROM TO				FR-TO		FROM TO			FR-TO		FROM TO						
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-93 / 73	0.04 (1)											
B-C	-1366 / 0	-102.1	-102.1	0.48 (1)	4.96	C-J	-554 / 0	0.85 (1)											
C-D	-844 / 0	-102.1	-102.1	0.45 (1)	5.75	J-D	0 / 455	0.10 (1)											
D-E	-587 / 0	-102.1	-102.1	0.29 (1)	6.25	D-H	-400 / 0	0.28 (1)											
E-F	-567 / 0	-102.1	-102.1	0.29 (1)	6.25	H-E	-588 / 0	0.32 (1)											
G-F	-1231 / 0	0.0	0.0	0.47 (1)	5.79	H-F	0 / 1188	0.27 (1)											
L-B	-1354 / 0	0.0	0.0	0.14 (1)	6.95	B-K	0 / 1188	0.27 (1)											
L-K	0 / 0	-18.5	-18.5	0.15 (4)	10.00														
K-J	0 / 1169	-18.5	-18.5	0.27 (1)	10.00														
J-I	0 / 756	-18.5	-18.5	0.17 (1)	10.00														
I-H	0 / 756	-18.5	-18.5	0.17 (1)	10.00														

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 28.0	PSF
	DL = 6.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 42.4	PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00H2 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 089-09, 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 (0.70")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = 1/998 (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), SSI=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 818 354 1687 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

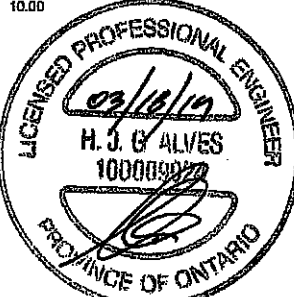
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (H) (INPUT = 0.90)

JSI METAL= 0.33 (B) (INPUT = 1.00)

DWG NO. TAM 77905435
STRUCTURAL
COMPONENT ONLY

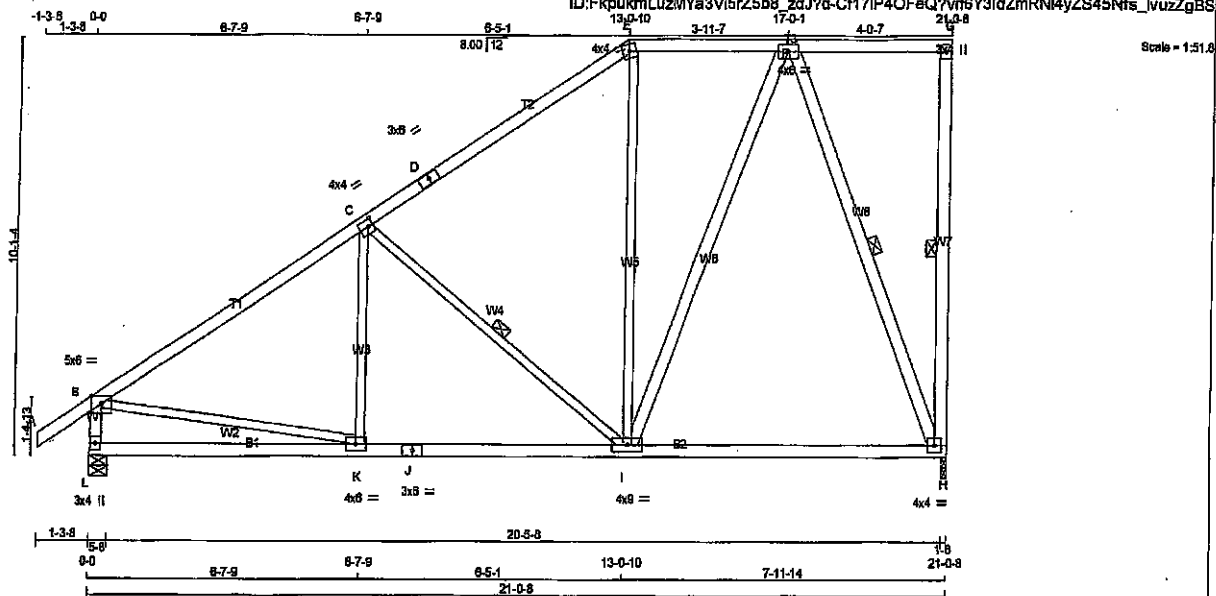
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T67	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 112 = 224 lb
(MIT)

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		
J - 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 in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVV-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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	DOWN	GROSS REACTION	BRG	BRG
H	1289 0	1289 0	0	1-8	1-8
L	1409 0	1409 0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
H	893	611 / 0	0 / 0	0 / 0	0 / 0	282 / 0	0 / 0	
L	989	691 / 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MAX. CS1 (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	K-C	-64 / 84	0.03 (1)
B-C	-1345 / 0	-102.1 -102.1	0.83 (1)	4.72	C-I	-665 / 0	0.33 (1)
C-D	-825 / 0	-102.1 -102.1	0.58 (1)	5.78	I-E	0 / 74	0.03 (4)
D-E	-825 / 0	-102.1 -102.1	0.58 (1)	5.78	E-F	0 / 598	0.09 (1)
E-F	-647 / 0	-102.1 -102.1	0.21 (1)	6.25	F-H	-1138 / 0	0.68 (1)
F-G	0 / 0	-102.1 -102.1	0.27 (1)	10.00	B-K	0 / 1171	0.25 (1)
H-G	-157 / 0	0.0 0.0	0.08 (1)	6.25			
L-B	-1357 / 0	0.0 0.0	0.14 (1)	6.97			
L-K	0 / 0	-18.5 -18.5	0.16 (4)	10.00			
K-J	0 / 1158	-18.5 -18.5	0.34 (4)	10.00			
J-I	0 / 1158	-18.5 -18.5	0.34 (4)	10.00			
I-H	0 / 433	-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, 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 6.4 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/380 (0.70")
CALCULATED VERT. DEFL (TL) = L/999 (0.12")

CSI: TC=0.63/1.00 (B-C:1), BC=0.34/1.00 (L-K:4), WB=0.68/1.00 (F-H:1), SI=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

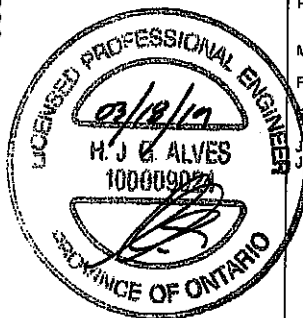
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1658

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)

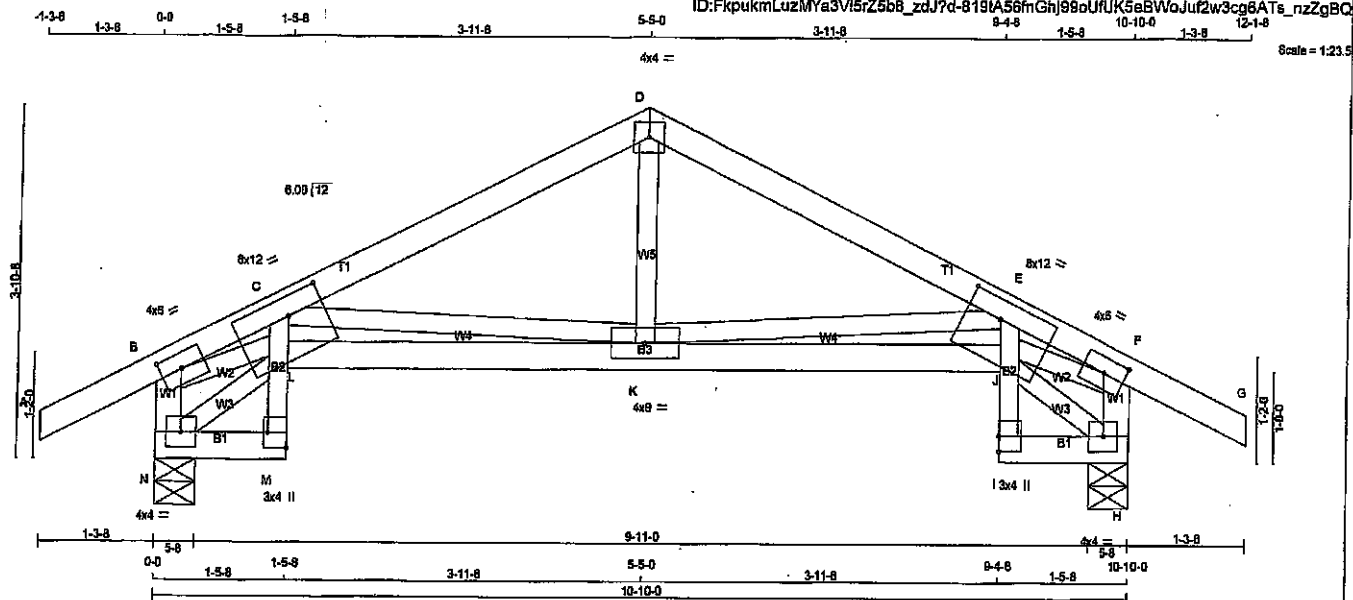


DRWG NO. TAM 11905436
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.																																																																																																																																																
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Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:59:08 2019 Page 1 ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-qMgWXq7zK9Y01eFgoSCoLtH5CvF_u3KQaRnd5zZg?n																																																																																																																																																						
Scale = 1:57.9																																																																																																																																																						
TOTAL WEIGHT = 3 X 143 = 430 lb																																																																																																																																																						
LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - D 2x4 DRY No.2 SPF D - F 2x4 DRY No.2 SPF G - F 2x4 DRY No.2 SPF M - A 2x8 DRY No.2 SPF I - I 2x8 DRY No.2 SPF I - G 2x8 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT - B 2x4 DRY No.2 SPF - H 2x4 DRY No.2 SPF - F 2x4 DRY No.2 SPF LUMBER: SEASONED LUMBER. DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS: CHORDS #ROWS SURFACE SPACING (IN) LOAD(PLF) OP CHORDS : (.0122"x3") SPIRAL NAILS - D 1 12 TOP - F 1 12 TOP - G 1 12 TOP - A 2 12 TOP BOTTOM CHORDS : (.0122"x3") SPIRAL NAILS - I 3 4 SIDE(1556.5) - G 2 12 TOP WEBS : (.0122"x3") SPIRAL NAILS - L 1 6 SIDE(70.3) - I 1 6 - A 1 6 TAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES. ORDER 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. DE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED ON 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. ATES (Table in inches) TYPE PLATES W LEN Y X TMVV-p MT20 5.0 6.0 1.50 3.00 TMWW-t MT20 4.0 6.0 TMWW-t MT20 4.0 4.0 2.00 1.50 TTWW+mt MT20 5.0 6.0 2.00 1.50 TMW+w MT20 2.0 4.0 TMW-w MT20 4.0 4.0 BMV1+p MT20 3.0 8.0 BMWVV-t MT20 5.0 8.0 BS-t MT20 6.0 9.0 BMWVV-t MT20 5.0 8.0 BMWVV-t MT20 5.0 6.0 BMWVV-t MT20 6.0 9.0 5.50 2.50 BMV1+p MT20 3.0 8.0																																																																																																																																																						
DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED GROSS REACTION MAXIMUM FACTORED GROSS REACTION INPUT REQ'D JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX G 1849 0 1849 0 0 1-8 1-8 M 6858 0 6858 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST CASE MAX./MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL G 1300 897 / 0 0 / 0 0 / 0 408 / 0 0 / 0 M 4813 3367 / 0 0 / 0 0 / 0 1446 / 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 = 4.55 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. 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) <table border="1"><thead><tr><th colspan="4">CHORDS</th><th colspan="4">WEBS</th></tr><tr><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>VERT. LOAD LC1 (PLF)</th><th>MAX. CS1 (LC)</th><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>MAX. CS1 (LC)</th><th></th></tr></thead><tbody><tr><td>FR-TO</td><td></td><td>FROM TO</td><td></td><td>FR-TO</td><td></td><td></td><td></td></tr><tr><td>A-B</td><td>-8577 / 0</td><td>-102.1 -102.1 0.09 (1)</td><td>4.55</td><td>L-B</td><td>0 / 2875</td><td>0.15 (1)</td><td></td></tr><tr><td>B-C</td><td>-2977 / 0</td><td>-102.1 -102.1 0.18 (1)</td><td>6.07</td><td>B-K</td><td>-3243 / 0</td><td>0.82 (1)</td><td></td></tr><tr><td>C-D</td><td>-1463 / 0</td><td>-102.1 -102.1 0.18 (1)</td><td>6.25</td><td>K-C</td><td>0 / 1652</td><td>0.12 (1)</td><td></td></tr><tr><td>D-E</td><td>-752 / 0</td><td>-102.1 -102.1 0.10 (1)</td><td>6.25</td><td>C-J</td><td>-1941 / 0</td><td>0.80 (1)</td><td></td></tr><tr><td>E-F</td><td>-752 / 0</td><td>-102.1 -102.1 0.10 (1)</td><td>6.25</td><td>J-D</td><td>0 / 1429</td><td>0.11 (1)</td><td></td></tr><tr><td>G-F</td><td>-1815 / 0</td><td>0.0 0.0 0.26 (1)</td><td>6.25</td><td>D-H</td><td>-1100 / 0</td><td>0.19 (1)</td><td></td></tr><tr><td>M-A</td><td>-3285 / 0</td><td>0.0 0.0 0.14 (1)</td><td>7.01</td><td>H-E</td><td>-530 / 0</td><td>0.11 (1)</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>H-F</td><td>0 / 1811</td><td>0.10 (1)</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>A-L</td><td>0 / 8059</td><td>0.45 (1)</td><td></td></tr><tr><td>M-L</td><td>0 / 0</td><td>-18.5 -18.5 0.18 (1)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr><tr><td>L-K</td><td>0 / 5491</td><td>-18.5 -18.5 0.34 (1)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr><tr><td>K-J</td><td>0 / 2488</td><td>-18.5 -18.5 0.11 (1)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr><tr><td>J-I</td><td>0 / 1203</td><td>-18.5 -18.5 0.05 (1)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr><tr><td>I-H</td><td>0 / 1203</td><td>-18.5 -18.5 0.05 (1)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr><tr><td>H-G</td><td>0 / 0</td><td>-18.5 -18.5 0.01 (4)</td><td>10.00</td><td></td><td></td><td></td><td></td></tr></tbody></table> FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX- MAX+ FACE DIR. L 1-11-12 -6189 -8169 BACK VERT. 							CHORDS				WEBS				MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)		FR-TO		FROM TO		FR-TO				A-B	-8577 / 0	-102.1 -102.1 0.09 (1)	4.55	L-B	0 / 2875	0.15 (1)		B-C	-2977 / 0	-102.1 -102.1 0.18 (1)	6.07	B-K	-3243 / 0	0.82 (1)		C-D	-1463 / 0	-102.1 -102.1 0.18 (1)	6.25	K-C	0 / 1652	0.12 (1)		D-E	-752 / 0	-102.1 -102.1 0.10 (1)	6.25	C-J	-1941 / 0	0.80 (1)		E-F	-752 / 0	-102.1 -102.1 0.10 (1)	6.25	J-D	0 / 1429	0.11 (1)		G-F	-1815 / 0	0.0 0.0 0.26 (1)	6.25	D-H	-1100 / 0	0.19 (1)		M-A	-3285 / 0	0.0 0.0 0.14 (1)	7.01	H-E	-530 / 0	0.11 (1)						H-F	0 / 1811	0.10 (1)						A-L	0 / 8059	0.45 (1)		M-L	0 / 0	-18.5 -18.5 0.18 (1)	10.00					L-K	0 / 5491	-18.5 -18.5 0.34 (1)	10.00					K-J	0 / 2488	-18.5 -18.5 0.11 (1)	10.00					J-I	0 / 1203	-18.5 -18.5 0.05 (1)	10.00					I-H	0 / 1203	-18.5 -18.5 0.05 (1)	10.00					H-G	0 / 0	-18.5 -18.5 0.01 (4)	10.00				
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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, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2018, OBC 2012 - CSA 086-09, CSA 086-14 - TPIC 2011, TPIC 2014 (5% 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 (0.70") CALCULATED VERT. DEFL.(LL) = L/999 (0.03") ALLOWABLE DEFL.(TL)= L/360 (0.70") CALCULATED VERT. DEFL.(TL) = L/999 (0.08") CSI: TC=0.28/1.00 (F-G:1), BC=0.34/1.00 (K-L:1), WB=0.80/1.00 (C-J:1), SST=0.10/1.00 (L-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 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 619 354 1667 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. SI GRIP= 0.89 (L) (INPUT = 0.90) SI METAL= 0.55 (L) (INPUT = 1.00) DWG NO. TAM 7905437 STRUCTURAL COMPONENT ONLY																																																																																																																																																						

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T70S	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 5 Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:43 2019 Page 1	

ID: FkpkumLuzMYa3V15rZ5b8_zdJ7d-819A56mGhJ98oUfUK5aBVWoJuf2w3cg6ATs_nzZgBQ



TOTAL WEIGHT = 45 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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 in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW-t	MT20	4.0	6.0	2.00	3.00
C, E, J, L					
C	TMVWVWVW-t	MT20	8.0	12.0	2.50 4.75
D	TTW-p	MT20	4.0	4.0	
E	TMVWVWVW-t	MT20	8.0	12.0	2.50 4.75
F	TMVW-t	MT20	4.0	6.0	2.00 3.00
H	BMVWV-t	MT20	4.0	4.0	
I	BMV-p	MT20	3.0	4.0	
K	BMVWVW-t	MT20	4.0	9.0	
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
N	792	0	792	0	0
H	792	0	792	0	0

UNFACTORED REACTIONS

1ST LCASE	MAX /MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	555	393 / 0	0 / 0	0 / 0	0 / 0	161 / 0	0 / 0
H	555	393 / 0	0 / 0	0 / 0	0 / 0	161 / 0	0 / 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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 31	K-D	0 / 280
B-C	-1450 / 0	K-E	-715 / 0
C-D	-753 / 0	C-K	-715 / 0
D-E	-753 / 0	N-L	-80 / 0
E-F	-1450 / 0	B-L	0 / 1293
F-G	0 / 31	J-H	-80 / 0
N-B	-744 / 0	J-F	0 / 1293
H-F	-744 / 0		
N-M	0 / 48		
M-L	0 / 14		
L-C	0 / 140		
L-K	0 / 1376		
K-J	0 / 1376		
I-J	0 / 14		
J-E	0 / 140		
I-H	0 / 48		

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

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

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) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.03")
ALLOWABLE DEFL. (TL) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.06")

CSI: TO=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

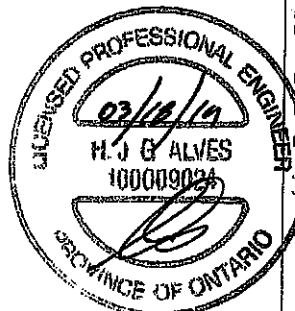
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	
PLATE GRIP (DRY) SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN
MT20 818 354	1657 786

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.64 (C) (INPUT = 0.90)
JS METAL= 0.36 (B) (INPUT = 1.00)

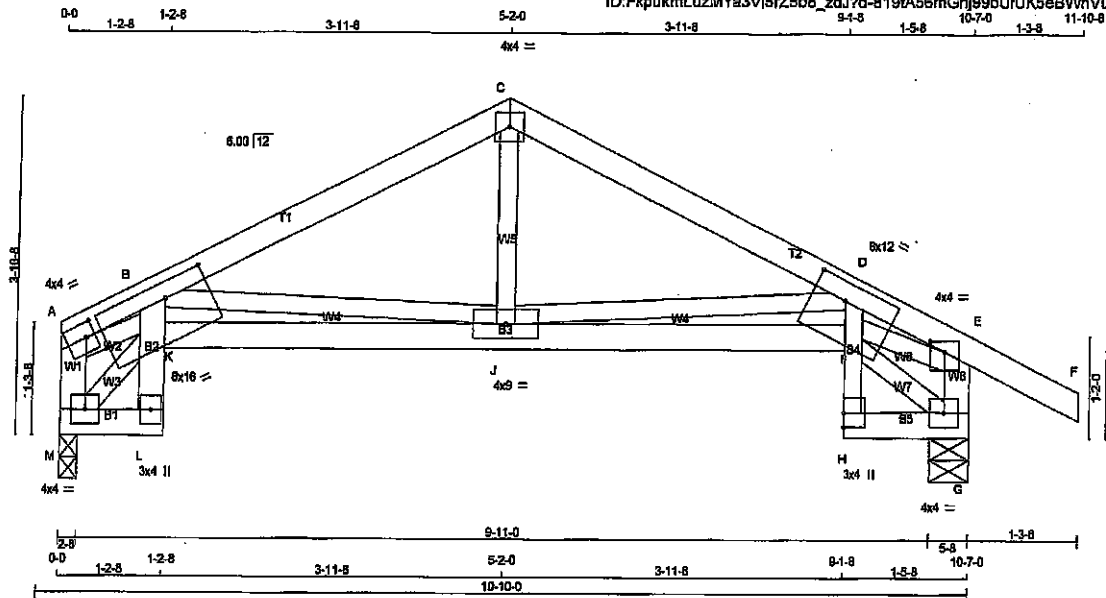


DRWG NO. TAM 77905438
STRUCTURAL
COMPONENT ONLY

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 = 1/24.5

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	2x4	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-4	MT20	4.0	4.0	2.00	1.25
B, D, I, K						
B						
C	TTW-p	MT20	4.0	4.0		
D	TMBVWW-4	MT20	8.0	12.0	2.50	4.75
E	TMVW-p	MT20	4.0	4.0	1.50	2.00
G	BMVW-1	MT20	4.0	4.0		
H	BMVW-p	MT20	3.0	4.0		
J	TMBVWW-4	MT20	4.0	9.0		
K	TMBVWW-4	MT20	8.0	16.0	2.25	6.00
L	BMVW-p	MT20	3.0	4.0		
M	BMVW-1	MT20	4.0	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		
M	629	0	629	0	2-8	2-8
G	788	0	788	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	443	302 / 0	0 / 0	0 / 0	0 / 0	141 / 0	0 / 0
G	550	391 / 0	0 / 0	0 / 0	0 / 0	159 / 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 = 5.29 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. FACTORED	WEBS		MAX. FACTORED
	FORCE (LBS)	VERT. LOAD	LC1	MAX		MEMB. FORCE (LBS)	MAX	
FR-TO								
A-B	-5 / 15	-102.1	-102.1	0.05 (1)	10.00	J-C	0 / 257	0.06 (1)
B-C	-735 / 0	-102.1	-102.1	0.30 (1)	8.25	J-D	-714 / 0	0.21 (1)
C-D	-735 / 0	-102.1	-102.1	0.28 (1)	6.25	B-J	-801 / 0	0.18 (1)
D-E	-1435 / 0	-102.1	-102.1	0.15 (1)	5.29	M-B	-729 / 0	0.10 (1)
E-F	0 / 31	-102.1	-102.1	0.13 (1)	10.00	I-G	-59 / 0	0.01 (1)
M-A	-16 / 0	0.0	0.0	0.00 (4)	7.81	I-E	0 / 1280	0.29 (1)
G-E	-739 / 0	0.0	0.0	0.07 (1)	7.81			
M-L	0 / 405	-18.5	-18.5	0.07 (1)	10.00			
L-K	0 / 11	0.0	0.0	0.55 (1)	10.00			
K-B	0 / 152	0.0	0.0	0.58 (1)	10.00			
K-J	0 / 1262	-18.5	-18.5	0.25 (1)	10.00			
J-I	0 / 1352	-18.5	-18.5	0.27 (1)	10.00			
H-I	0 / 14	0.0	0.0	0.13 (1)	10.00			
I-D	0 / 139	0.0	0.0	0.16 (1)	10.00			
H-G	0 / 48	-18.5	-18.5	0.01 (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 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 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.30/H.00 (B-C:1), BC=0.56/H.00 (B-K:1), WB=0.29/H.00 (E-I:1), SSI=0.65/H.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

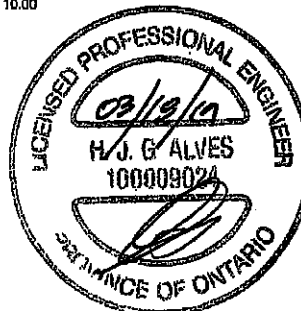
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN 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= 0.89 (E) (INPUT = 0.90)
JSI METAL= 0.45 (E) (INPUT = 1.00)

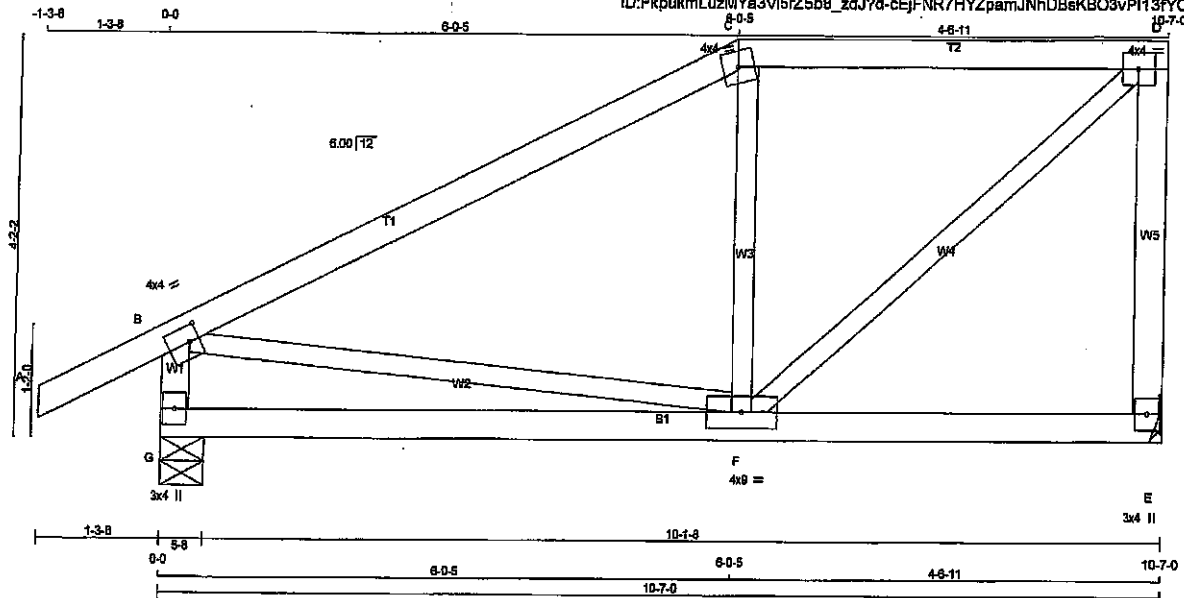


DWG NO. TAM 71905439
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T71	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Tamarack Roof Truss, Burlington

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Scale = 1:22.3

TOTAL WEIGHT = 44 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

Q - D 2x4 DRY

E - D 2x4 DRY

G - B 2x4 DRY

G - E 2x4 DRY

ALL WEBS 2x3 DRY

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
E	638	638	0	0
G	777	777	0	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN COMPONENT REACTIONS	PERM	LIVE	WIND	DEAD	SOIL
E	449	307 / 0	0 / 0	0 / 0	0 / 0	142 / 0	0 / 0
G	544	386 / 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 = 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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO					FR-TO			
A-B	0 / 31	-102.1	-102.1	0.13 (1)	F-C	-319 / 0	0.08 (1)	
B-C	-495 / 0	-102.1	-102.1	0.48 (1)	F-D	0 / 572	0.13 (1)	
C-D	-428 / 0	-102.1	-102.1	0.27 (1)	B-F	0 / 447	0.10 (1)	
E-D	-612 / 0	0.0	0.0	0.17 (1)				
G-B	-729 / 0	0.0	0.0	0.07 (1)				
G-F	0 / 0	-18.5	-18.5	0.16 (4)				
F-E	0 / 0	-18.5	-18.5	0.16 (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. 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, 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 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) = $L/999$ (0.05")

CSI: 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 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.

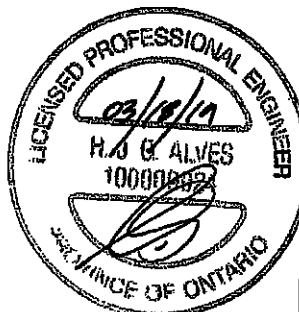
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

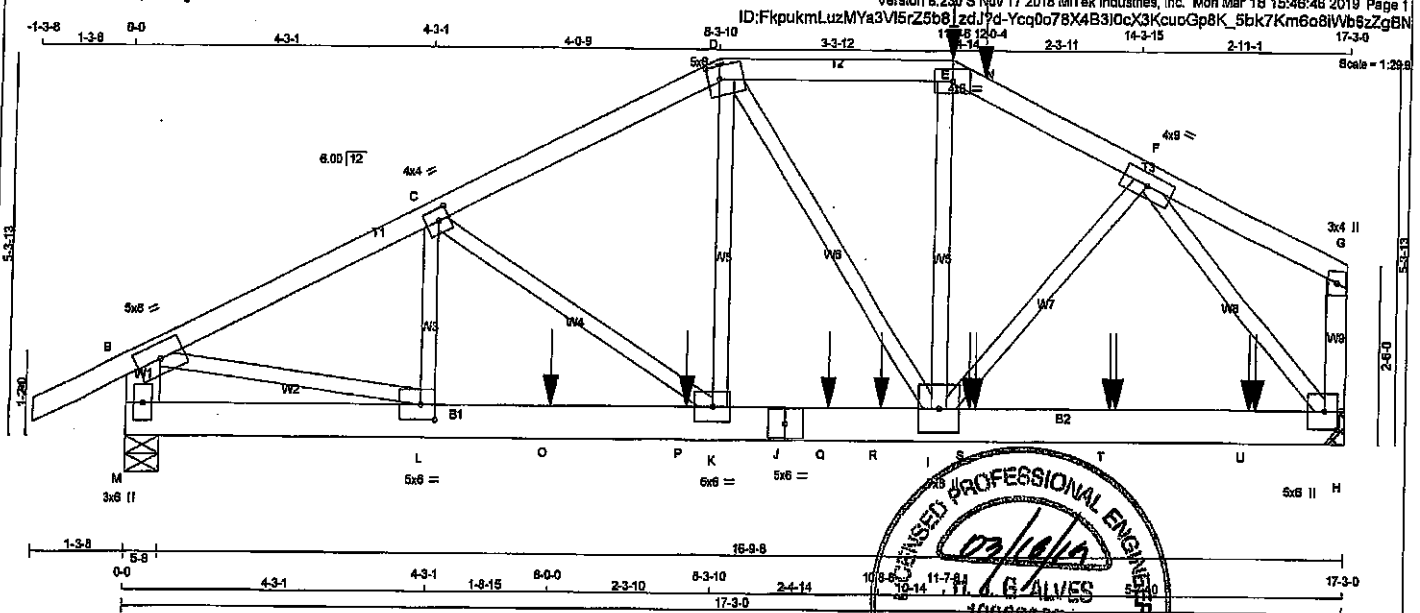
JSI GRIP= 0.82 (B) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)



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	CHORDS	SIZE	LUMBER	DESCR.
N. L. G. A. RULES				
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 EXCEPT

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(81.5)
E-G	12	SIDE(81.5)
H-G	12	TOP
M-B	12	TOP
BOTTOM CHORDS : (0.122\"X3\") SPIRAL NAILS		
M-J	12	SIDE(780.8)
J-H	12	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 TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table in inches)	PLATES	W	LEN	Y	X
JT TYPE					
B	TMWV-t	MT20	5.0	8.0	
C	TMWV-t	MT20	4.0	4.0	2.00 1.75
D	TTWV-m	MT20	5.0	6.0	2.25 2.00
E	TTWV	MT20	4.0	6.0	
F	TMWV-t	MT20	4.0	9.0	
G	TMV+p	MT20	3.0	4.0	
H	BMWV1+p	MT20	5.0	8.0	3.00 2.25
I	BMWVW1+p	MT20	7.0	8.0	
J	BS4	MT20	5.0	6.0	
K	BMWVW-t	MT20	5.0	6.0	
L	BMWVW-t	MT20	5.0	6.0	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	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UPLIFT	IN-SX
M	4422	0	4422	0
H	8187	0	8187	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 3-6.

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
JT	3104	2170 / 0
M	4342	3042 / 0
H		

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	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	LENGTH	FR-TO	
A-B	0 / 31	-102.1 -102.1	0.04 (1)	L-C	0 / 132
B-C	-8779 / 0	-102.1 -102.1	0.15 (1)	C-K	-644 / 0
C-D	-8223 / 0	-102.1 -102.1	0.13 (1)	K-D	0 / 2894
D-E	-5442 / 0	-102.1 -102.1	0.10 (1)	D-I	-288 / 0
E-N	-8038 / 0	-102.1 -102.1	0.09 (1)	I-E	0 / 2046
N-F	-8038 / 0	-102.1 -102.1	0.09 (1)	F-I	0 / 2380
F-G	0 / 5	-102.1 -102.1	0.04 (1)	I-F	0 / 6176
M-B	-4468 / 0	0.0 0.0	0.10 (1)	B-L	-8221 / 0
H-G	-133 / 0	0.0 0.0	0.01 (1)	L-C	0 / 132
M-L	0 / 0	-18.5 -18.5	0.03 (1)		
L-O	0 / 6078	-18.5 -18.5	0.59 (1)		
O-P	0 / 6078	-18.5 -18.5	0.59 (1)		
P-K	0 / 6078	-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)	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
JT	11-7-6	-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	-1797	-1797	-	BACK	VERT	TOTAL	-	-
P	7-11-4	-1120	-1120	-	BACK	VERT	TOTAL	-	-
Q	9-11-4	-1120	-1120	-	BACK	VERT	TOTAL	-	-
R	10-8-8	-572	-572	-	FRONT	VERT	TOTAL	-	-
S	11-11-4	-1120	-1120	-	BACK	VERT	TOTAL	-	-
T	12-0-4	-15	-15	-	FRONT	VERT	TOTAL	-	-
U	13-11-4	-1120	-1120	-	BACK	VERT	TOTAL	-	-
H	14-0-4	-15	-15	-	FRONT	VERT	TOTAL	-	-

DESIGN CRITERIA

SPECIAL LOADS ANALYSIS
RECURRY 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 = 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

NON STANDARD GIRDER
ADDT'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 NBCC 2010, 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 (0.57")
CALCULATED VERT. DEFL.(LL)= L/999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.57")
CALCULATED VERT. DEFL.(TL)= L/999 (0.12")

CSI: TC=0.15/1.00 (B-C-1), BC=0.59/1.00 (I-K-1), WB=0.65/1.00 (F-H-1), SS=0.48/1.00 (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
	(PBI)	(PLI)	(PLI)	
	MAX MIN	MAX MIN	MAX MIN	
	618	354	1897	788 1897 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.79 (L) (INPUT = 0.90)
JSI METAL= 0.51 (L) (INPUT = 1.00)

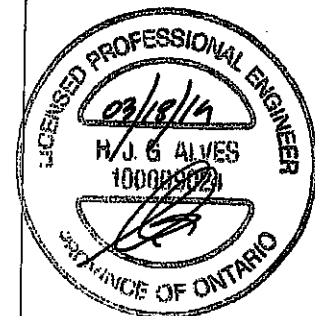
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T72	1	3	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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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	—	—



DWG NO. TAM 7705441
STRUCTURAL
COMPONENT ONLY

2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T73	1	2	GREEN PARK HOMES	
TRUSS DESC.					

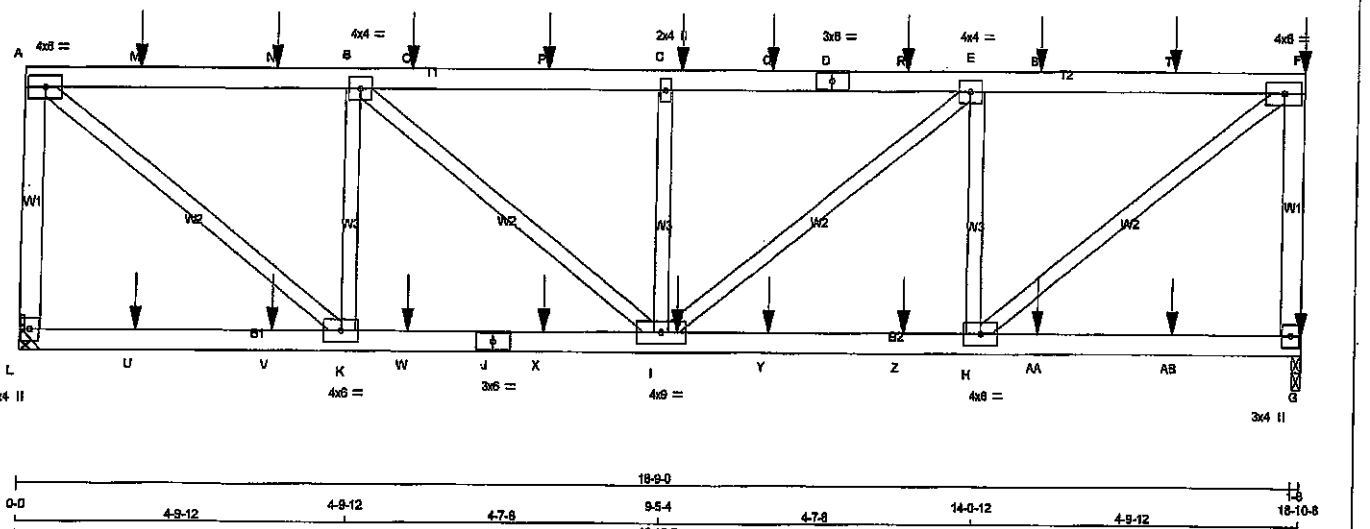
Tamarack Roof Truss, Burlington

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ID: FkpukmLuzMYa3V5rZ5b8_zdJ?d=0p00?S99rUB9dm6FuKp1p1hS7V1vtWF1oR47YzZgBM

0-0 4-9-12 4-9-12 4-7-8 9-3-4 4-7-8 14-0-12 4-9-12 18-10-8

Scale = 1/31.2



TOTAL WEIGHT = 2 X 73 = 156 lb

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(0.0)
F - G	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
L - J	12	SIDE(0.0)
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 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	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	BMV-1	MT20	3.0	4.0		
H	BMWV-1	MT20	4.0	6.0		
I	BMWV-1	MT20	4.0	9.0		
J	BS-1	MT20	3.0	6.0		
K	BMWV-1	MT20	4.0	6.0		
L	BMV-1	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	UPLIFT	IN-SX
L	1815	0	1815	0
G	1999	0	1999	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT L. MINIMUM BEARING LENGTH AT JOINT L = 3-8.

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
L	1279	885 / 0
G	1409	952 / 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	MAX. FACTORED	FACTORED	MAX. FACTORED	W E B S	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		FR-TO	
L-A	-1780 / 0	0.0	0.0	0.24 (1)	7.81
A-M	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
M-N	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
N-B	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
B-O	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
O-P	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
P-C	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
C-Q	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
Q-D	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
D-R	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
R-E	-2404 / 0	-102.1	-102.1	0.33 (1)	5.39
E-S	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
S-T	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
T-F	-1878 / 0	-102.1	-102.1	0.32 (1)	5.94
G-F	-1913 / 0	0.0	0.0	0.26 (1)	7.81
L-U	0 / 0	-18.5	-18.5	0.09 (4)	10.00
U-V	0 / 0	-18.5	-18.5	0.09 (4)	10.00
V-K	0 / 0	-18.5	-18.5	0.09 (4)	10.00
K-W	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
W-J	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
J-X	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
X-I	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
I-Y	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
Y-Z	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
Z-H	0 / 1878	-18.5	-18.5	0.21 (1)	10.00
H-AA	0 / 0	-18.5	-18.5	0.09 (4)	10.00
AA-AB	0 / 0	-18.5	-18.5	0.09 (4)	10.00
AB-G	0 / 0	-18.5	-18.5	0.09 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	9-8-4	-123	-123	-	-	BACK	VERT	TOTAL	-	-
F	18-10-8	-161	-161	-	-	BACK	VERT	TOTAL	-	-
G	18-10-8	-33	-33	-	-	BACK	VERT	TOTAL	-	-
I	9-8-4	-28	-28	-	-	BACK	VERT	TOTAL	-	-

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 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 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/888 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.63")
CALCULATED VERT. DEFL. (TL) = L/998 (0.08")

CSI: TC=0.33/1.00 (C-E:1), BC=0.21/1.00 (I-K:1), WB=0.30/1.00 (A-K:1), SS=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.

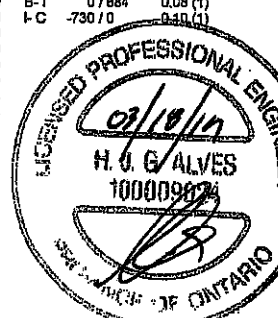
NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1958

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (F) (INPUT = 0.90)

JSI METAL= 0.32 (J) (INPUT = 1.00)



DRWG NO. TAM 77905442
STRUCTURAL
COMPONENT ONLY 1/2

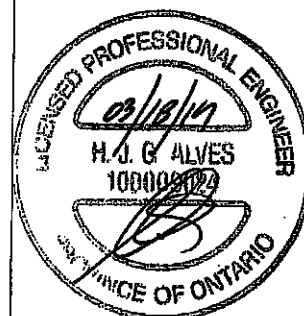
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T73	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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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	---	---

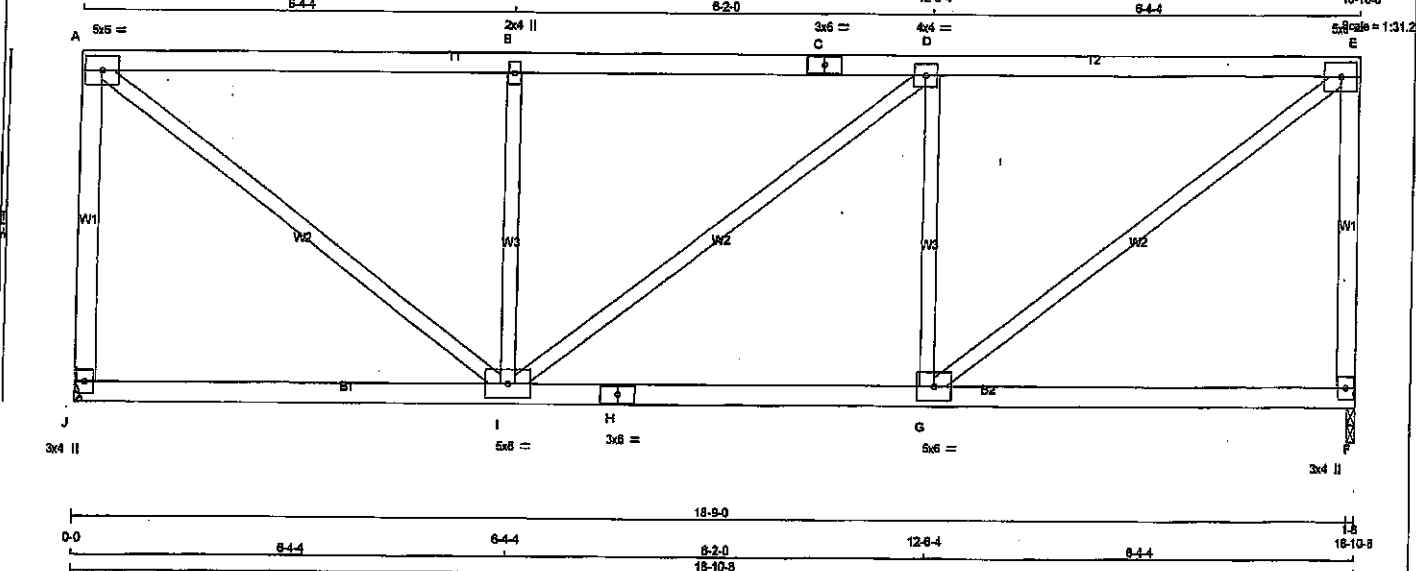


DWG NO. TAM 77905442
STRUCTURAL
COMPONENT ONLY

3/2

JOB NAME 401794	TRUSS NAME T74	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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LUMBERS			
N.L.G.A. RULES	SIZE	DRY	DESCR.
CHORDS	2x4	DRY	No.2
J - A	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - H	2x4	DRY	No.2
H - J	2x4	DRY	No.2
J - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
I - 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
A	TMVW-t	MT20	5.0	6.0
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	TMVW-t	MT20	5.0	6.0
F	BMV1+p	MT20	3.0	4.0
G	BMVW-t	MT20	5.0	6.0
H	BS-t	MT20	3.0	6.0
I	BMVW-t	MT20	5.0	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
	GROSS REACTION	GROSS REACTION	DOWN	UP/LIFT		
JT	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
J	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					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 MAX. CSI (LC)	MEMB.
FR-TO		FROM TO	LENGTH	FR-TO		FROM TO	LENGTH
J-A	-1089 / 0	0.0	0.0 0.48 (1)	7.57	G-E	0 / 1370	0.31 (1)
A-B	-1089 / 0	-102.1	-102.1 0.80 (1)	5.14	A-I	0 / 1368	0.31 (1)
B-C	-1089 / 0	-102.1	-102.1 0.80 (1)	5.13	G-D	-701 / 0	0.27 (1)
C-D	-1089 / 0	-102.1	-102.1 0.80 (1)	5.13	I-B	-700 / 0	0.27 (1)
D-E	-1082 / 0	-102.1	-102.1 0.81 (1)	5.12	I-D	-2 / 0	0.00 (1)
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 / 1092	-18.5	-18.5 0.28 (1)	10.00			
H-G	0 / 1092	-18.5	-18.5 0.28 (1)	10.00			
G-F	0 / 0	-18.5	-18.5 0.16 (4)	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, 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 37.8 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) = $L/899$ (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=0.26/1.00 (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

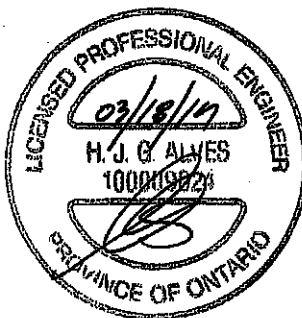
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

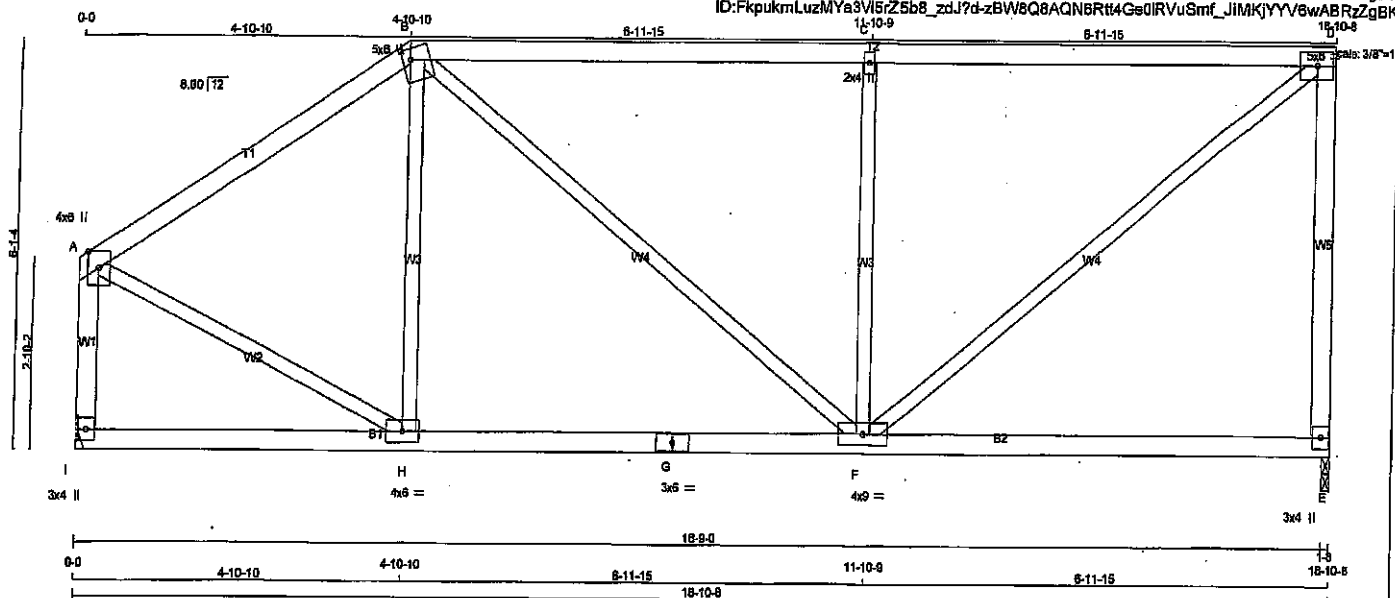


DWG NO. TAM **71905443**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T75	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 81 lb

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

ALL WEBS 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	TTWW+m	MT20	5.0	6.0	2.00	1.50
C	TMVW+w	MT20	2.0	4.0		
D	TMVW-t	MT20	5.0	6.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVWV-t	MT20	4.0	9.0		
G	BS-t	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	HORZ	DOWN	HORZ
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	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
I	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) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN 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	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	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 0.93 (1)	B-F	0 / 340
C-D	-984 / 0	-102.1	-102.1 0.94 (1)	F-C	-867 / 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. 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 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) = $L/999$ (0.09")

CSI: $T_C=0.84/1.00$ (C-D:1), $BC=0.28/1.00$ (F-H:4),
WB= $0.52/1.00$ (C-F:1), $SSI=0.35/1.00$ (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

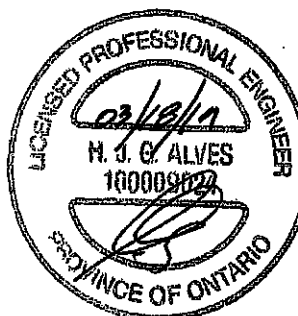
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1967 1656

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)

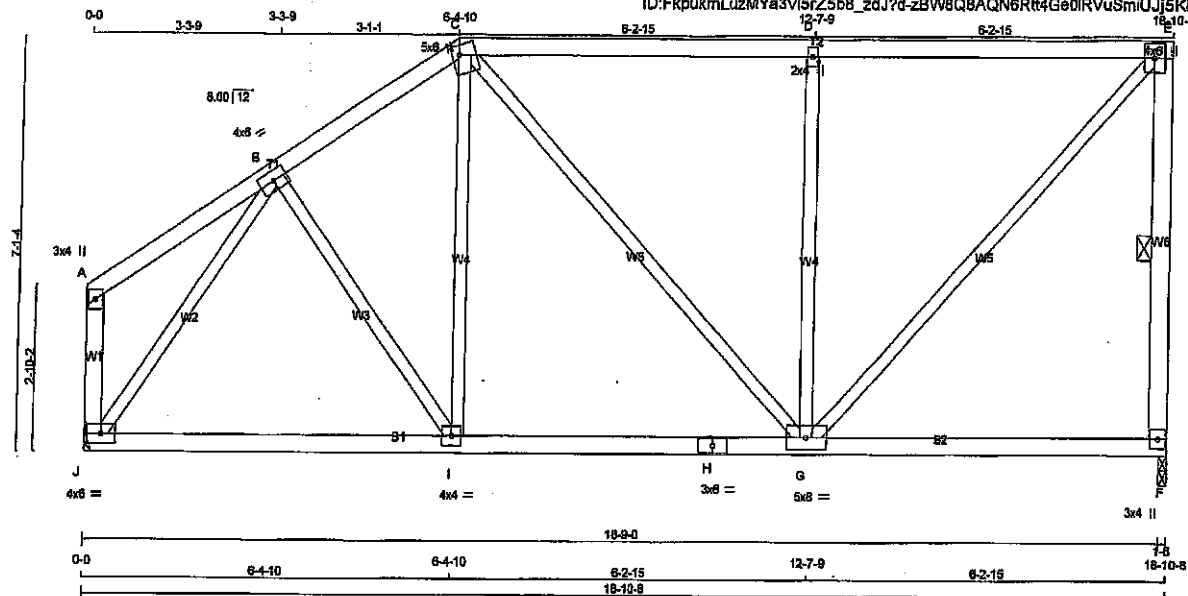


DRWG NO. TAM 77905444
STRUCTURAL
COMPONENT ONLY

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 = 1:38.7

TOTAL WEIGHT = 88 lb

LUMBER	N. L. G. A. RULE	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	TTWV+w	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	8.0		
H	BS+t	MT20	3.0	6.0		
I	BMVW+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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORZ	UPLIFT
F	1138	0	0	1-8
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	1ST LCASE	MAX MIN. COMPONENT REACTIONS	DEAD	SOIL
F	801	548 / 0	0 / 0	0 / 0
J	801	548 / 0	0 / 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.

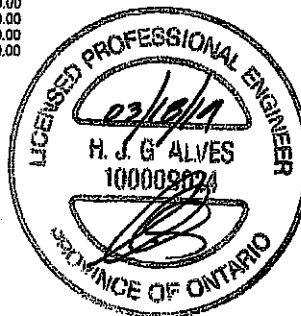
1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F.

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	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)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-B	0 / 20	-102.1	-102.1	0.18 (1)	10.00	B-I	0 / 98	0.02 (4)					
B-C	-865 / 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 / 91	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	-1090 / 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 = 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 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 8 OF CBC 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 28.0 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 (0.07")

CSI: TC=0.71/1.00 (D-E:1), BC=0.23/1.00 (G-I:4), WB=0.69/1.00 (D-G:1), SS=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 1657 789 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

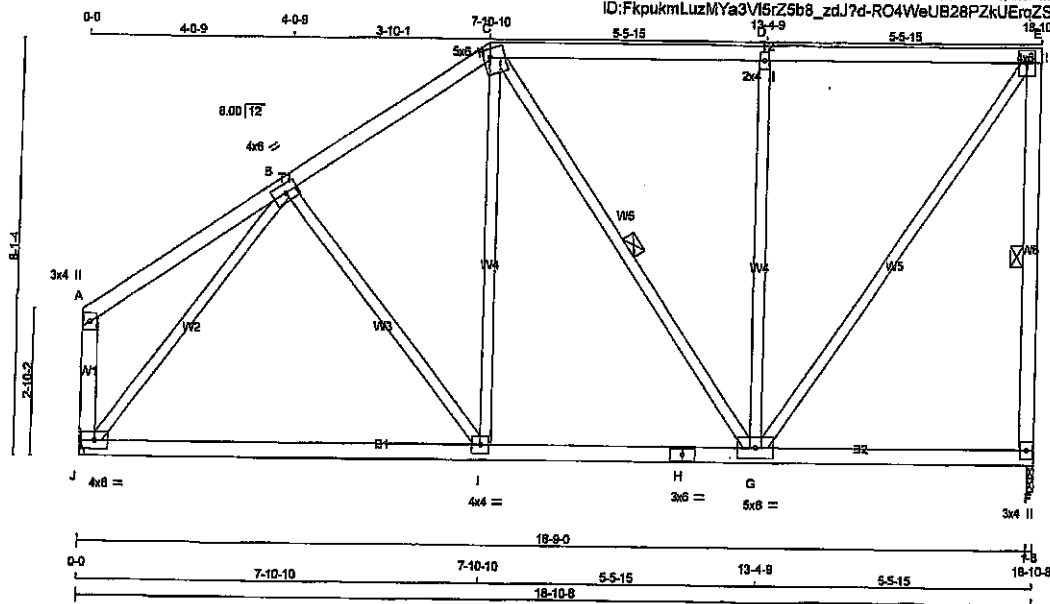
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (J) (INPUT = 0.90)
JSI METAL= 0.35 (E) (INPUT = 1.00)

DRWG NO. TAM 17905445
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T77	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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Scale = 1:41.8

TOTAL WEIGHT = 94 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF
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+I	MT20	4.0	6.0		
C	TTWV+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+I	MT20	5.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW+I	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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
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

1ST LCASE		MAX./MIN. COMPONENT 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	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	MEMB.	FORCE (LBS)	CS1 (LC)	MAX
FR-TO		FROM	TO				FR-TO			
A-B	0 / 26	-102.1	-102.1	0.28 (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 / 161	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	-622 / 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	-1182 / 0	0.85 (1)		
J-I	0 / 707	-18.5	-18.5	0.29 (4)	10.00					
I-H	0 / 884	-18.5	-18.5	0.30 (4)	10.00					
H-G	0 / 884	-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 = 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, 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 (0.63")
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=0.30/1.00 (G-H:4), WB=0.89/1.00 (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.

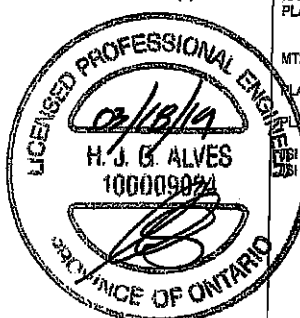
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	818	354	1687
		788	1987
			1656

PLATE PLACEMENT TOL. = 0.250 inches

TE ROTATION TOL. = 5.0 Deg.

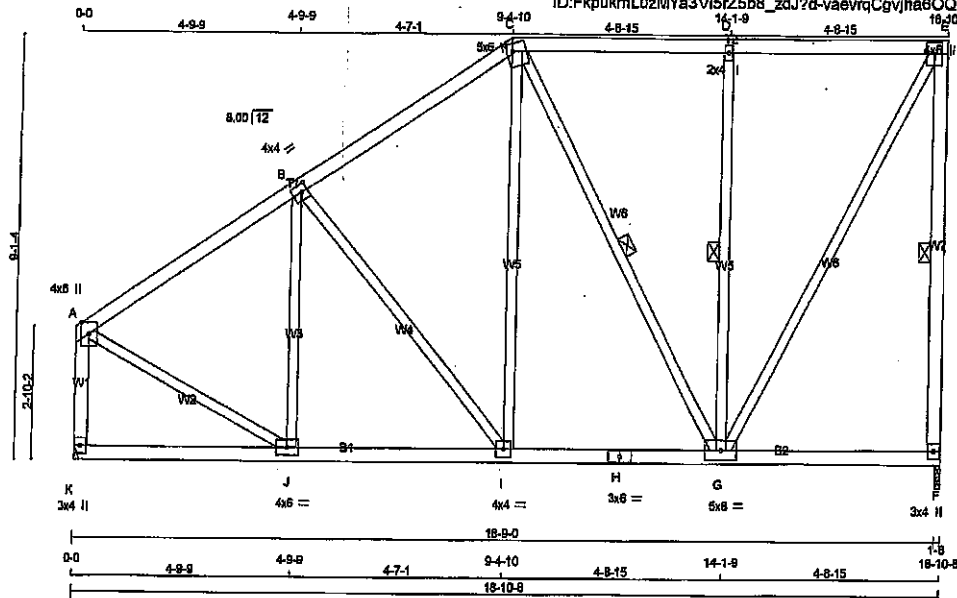
GRIP = 0.73 (J) (INPUT = 0.90)
METAL = 0.28 (E) (INPUT = 1.00)



DRWG NO. TAM 1705446
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T78	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
TRUSS DESC.					

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Scale = 1/4\"/>

TOTAL WEIGHT = 102 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
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	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	BMVWW-t	MT20	5.0	8.0		
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		

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	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. FURLIN 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 (PLF)	MAX. FACTORED UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-889 / 0	-102.1 -102.1	0.41 (1)	J-B	-305 / 0	0.17 (1)	
B-C	-788 / 0	-102.1 -102.1	0.40 (1)	B-I	-245 / 0	0.28 (1)	
C-D	-498 / 0	-102.1 -102.1	0.38 (1)	I-C	0 / 271	0.08 (1)	
D-E	-498 / 0	-102.1 -102.1	0.38 (1)	C-G	-249 / 0	0.18 (1)	
E-F	-1101 / 0	0.0 0.0	0.42 (1)	G-D	-598 / 0	0.32 (1)	
K-A	-1102 / 0	0.0 0.0	0.17 (1)	G-E	0 / 1040	0.23 (1)	
				A-J	0 / 886	0.19 (1)	
K-J	0 / 0	-18.5 -18.5	0.10 (4)				
J-I	0 / 788	-18.5 -18.5	0.17 (1)				
I-H	0 / 814	-18.5 -18.5	0.15 (4)				
H-G	0 / 814	-18.5 -18.5	0.15 (4)				
G-F	0 / 0	-18.5 -18.5	0.10 (4)				

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. 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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 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) = $L/360$ (0.63")
CALCULATED VERT. DEFL.(LL) = $L/999$ (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.

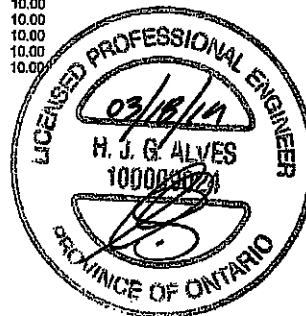
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)
JSI METAL= 0.47 (A) (INPUT = 1.00)

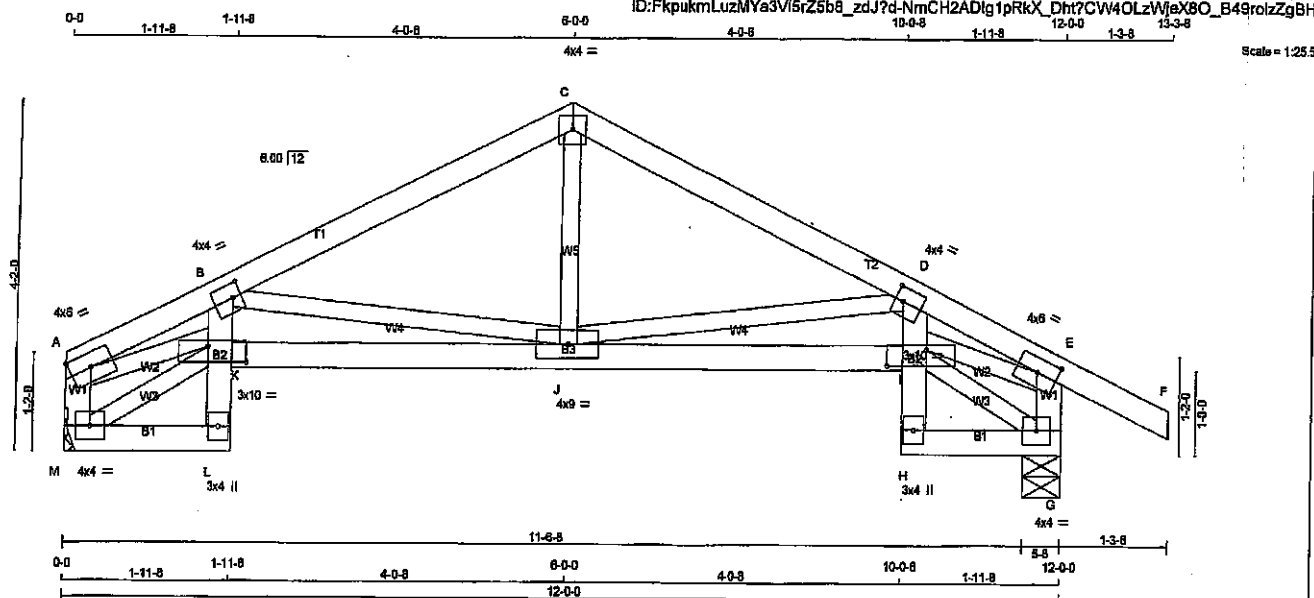


DRWG NO. T78 7702947
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T79S	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-NmCH2ADlg1pRKX_Dht?CW4OLzVjeX8O_B49rolzZgBH



TOTAL WEIGHT = 2 X 50 = 100 lb
(M/F)

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
M - A	2x4	DRY	No.2
G - E	2x4	DRY	No.2
M - L	2x4	DRY	No.2
L - B	2x4	DRY	No.2
K - I	2x4	DRY	No.2
H - D	2x4	DRY	No.2
H - G	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF

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	BMVWWH	MT20	3.0	10.0	2.25	5.75
J	BMVWWH	MT20	4.0	9.0		
K	BMVWWH	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	HORZ	DOWN	HORZ
M	716	0	716	0
G	870	0	870	0

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. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1559 / 0	-102.1 -102.1	0.12 (1)	J-C	0 / 371	0.08 (1)	
B-C	-856 / 0	-102.1 -102.1	0.24 (1)	J-D	-716 / 0	0.22 (1)	
C-D	-856 / 0	-102.1 -102.1	0.25 (1)	B-J	-815 / 0	0.25 (1)	
D-E	-1484 / 0	-102.1 -102.1	0.12 (1)	M-K	-125 / 0	0.02 (1)	
E-F	0 / 31	-102.1 -102.1	0.13 (1)	A-K	0 / 1419	0.32 (1)	
M-A	-838 / 0	0.0 0.0	0.05 (1)	I-G	-119 / 0	0.02 (1)	
G-E	-795 / 0	0.0 0.0	0.08 (1)	I-E	0 / 1329	0.30 (1)	
M-L	0 / 110	-18.5 -18.5	0.03 (1)				
L-K	0 / 19	0.0 0.0	0.15 (1)				
K-B	0 / 97	0.0 0.0	0.16 (1)				
K-J	0 / 1559	-18.5 -18.5	0.30 (1)				
J-I	0 / 1462	-18.5 -18.5	0.29 (1)				
H-I	0 / 19	0.0 0.0	0.15 (1)				
I-D	0 / 92	0.0 0.0	0.16 (1)				
I-G	0 / 105	-18.5 -18.5	0.03 (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. G/G

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 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) = 1/360 (0.40")
CALCULATED VERT. DEFL. (LL) = 1/899 (0.04")
ALLOWABLE DEFL. (TL) = 1/360 (0.40")
CALCULATED VERT. DEFL. (TL) = 1/899 (0.07")

CSI: TC=0.25/1.00 (C-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)

COL 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.

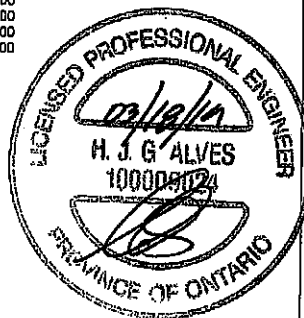
PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1587
	788	1987	1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

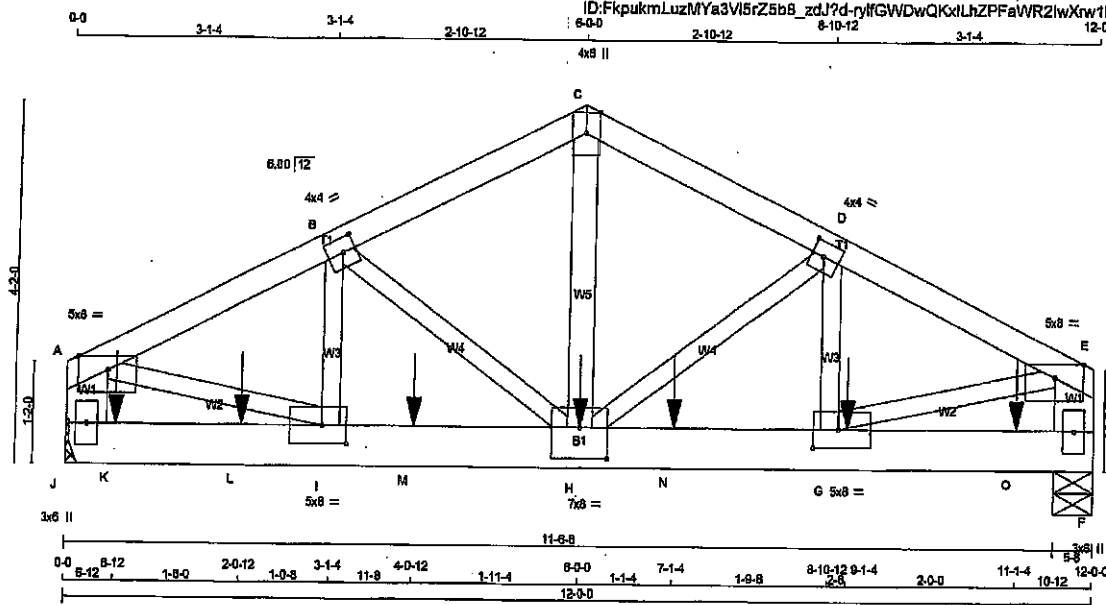
ISI GRIP=0.88 (B) (INPUT = 0.90)
ISI METAL=0.44 (K) (INPUT = 1.00)

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



DWG NO. TAM 71905448
STRUCTURAL
CONCRETE ONLY

JOB NAME 401794	TRUSS NAME T80	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2016 MTEK Industries, Inc. Mon Mar 18 15:48:53 2019 Page 1			
		ID:FkpukmLuzMYa3V5rZ5bB_zdJ2d-ryWGDWQKXlHhZPFaWR2lwXrw1IGWS8PkuOKCzZgBG			



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		
J - 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-t	MT20	4.0	4.0	2.00	1.75
C TTW+p	MT20	4.0	6.0	Edge	
D TMVW-t	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-t	MT20	5.0	8.0	2.50	3.50
H BMVW-t	MT20	7.0	8.0	4.25	4.00
I BMVW-t	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
	VERT	HORZ	DOWN	HORZ		
JT	4740	0	4740	0	0	MECHANICAL
F	3602	0	3602	0	5-8	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 2-6.

UNFACTORED REACTIONS

1ST LOASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	3326	2329 / 0	0 / 0	0 / 0	0 / 0	987 / 0
F	2733	1943 / 0	0 / 0	0 / 0	0 / 0	791 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. FACTORED UNBRAC LENGTH	WEBS MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
		FROM	TO			
A-B	-5142 / 0	-102.1	-102.1	0.18 (1)	4.14	H-C 0 / 3588
B-C	-4321 / 0	-102.1	-102.1	0.14 (1)	4.48	H-D -492 / 0
C-D	-4322 / 0	-102.1	-102.1	0.13 (1)	4.50	G-D 0 / 171
D-E	-4741 / 0	-102.1	-102.1	0.18 (1)	4.30	B-H -850 / 0
J-A	-3600 / 0	0.0	0.0	0.13 (1)	7.40	I-B 0 / 842
F-E	-3329 / 0	0.0	0.0	0.12 (1)	7.62	A-I 0 / 4742
J-K	0 / 0	-18.5	-18.5	0.27 (1)	10.00	G-E 0 / 4375
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 / 4602	-18.5	-18.5	0.44 (1)	10.00	
M-H	0 / 4602	-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.
G	9-1-4	-760	-760		BACK	VERT
H	6-0-0	-1748	-1748		BACK	VERT
K	6-12	-1058	-1058		BACK	VERT
L	2-0-12	-1054	-1054		BACK	VERT
M	4-0-12	-1054	-1054		BACK	VERT
N	7-1-4	-760	-760		BACK	VERT
O	11-1-4	-761	-761		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

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 D88-09, CSA D88-14
- 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 (0.40")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = 1/989 (0.07")

CSI: TC=0.18/1.00 (A-B:1), BC=0.44/1.00 (H-I:1), WB=0.58/1.00 (A-I:1), SSI=0.38/1.00 (I-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

AUTOSOLVE HEELS OFF

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

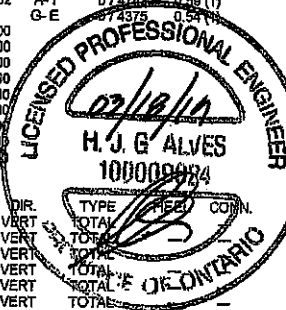
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

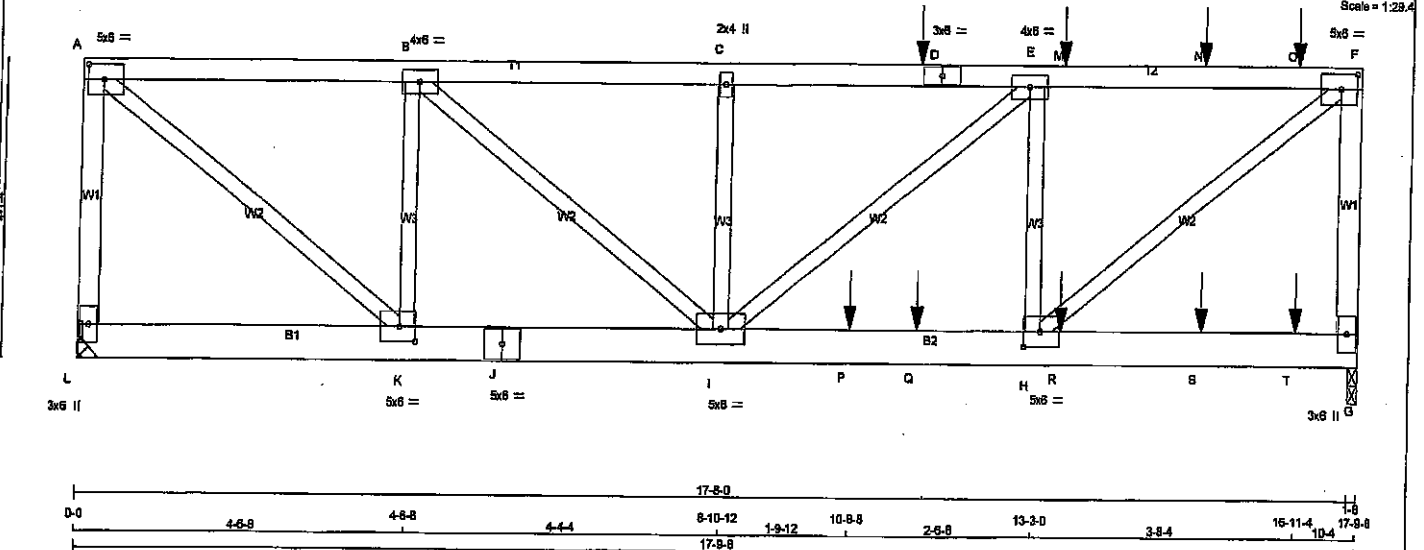
JSI GRIP= 0.78 (H) (INPUT = 0.90)
JSI METAL= 0.43 (I) (INPUT = 1.00)



DRWG NO. TAM 71905449
STRUCTURAL
CONSTRUCTION

JOB NAME 401794	TRUSS NAME T81	QUANTITY 1	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 15:46:54 2019 Page 1	

ID: FkpukmLuzMYa3V15rZ5b6_zdJ7d-J9J1TsEYBz39zr8cof1gbVTgXKKN70RHeOxtezZgBF



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	2x6	DRY	No.2	SPF	
J - G	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		
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 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-t	MT20	5.0	6.0	2.50	2.75	
B	TMWV-t	MT20	4.0	6.0			
C	TMWV-t	MT20	2.0	4.0			
D	TS-t	MT20	3.0	6.0			
E	TMWV-t	MT20	4.0	6.0			
F	TMWV-t	MT20	5.0	6.0	2.50	2.75	
G	BMV-t+p	MT20	3.0	6.0			
H	BMWV-t	MT20	5.0	6.0	2.50	2.75	
I	BMWV-t	MT20	5.0	6.0			
J	BS-t	MT20	5.0	6.0			
K	BMWV-t	MT20	5.0	6.0	2.50	2.75	
L	BMV-t+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	1786	0	1786	0
G	2450	0	2450	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT L. MINIMUM BEARING LENGTH AT JOINT L = 3'-8."

UNFACTORED REACTIONS	1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
L	1240	885 / 0
G	1721	1198 / 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)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1	MAX. CSI (LC)	UNBRAC LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO				FR-TO		
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)	8.20	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)	4.83	K-B	-1582 / 0	0.20 (1)
D-E	-3079 / 0	-102.1	-102.1	0.31 (1)	4.83	E-I	0 / 669	0.08 (1)
E-M	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30	B-I	0 / 1625	0.05 (1)
M-N	-2578 / 0	-102.1	-102.1	0.30 (1)	5.30	I-C	0 / 1625	0.05 (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-	MAX+	FACE	DIR.	TOTAL
JT	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	-26	-26			FRONT	VERT	TOTAL
R	13-7-12	-26	-26			FRONT	VERT	TOTAL
S	15-7-12	-26	-26			FRONT	VERT	TOTAL
T	16-11-4	-26	-26			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, OSC 2012
- CSA C88-09, CSA C88-14
- 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) = 1/360 (0.69")
CALCULATED VERT. DEFL.(LL) = 1/958 (0.07")
ALLOWABLE DEFL.(TL) = 1/360 (0.59")
CALCULATED VERT. DEFL.(TL) = 1/958 (0.12")

CSI: TC=0.31/1.00 (C-E:1), BC=0.81/1.00 (H-I:1), WS=0.41/1.00 (F-H:1), SS=0.30/1.00 (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 (PSI)	SECTION (PLI)
MT20	818	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

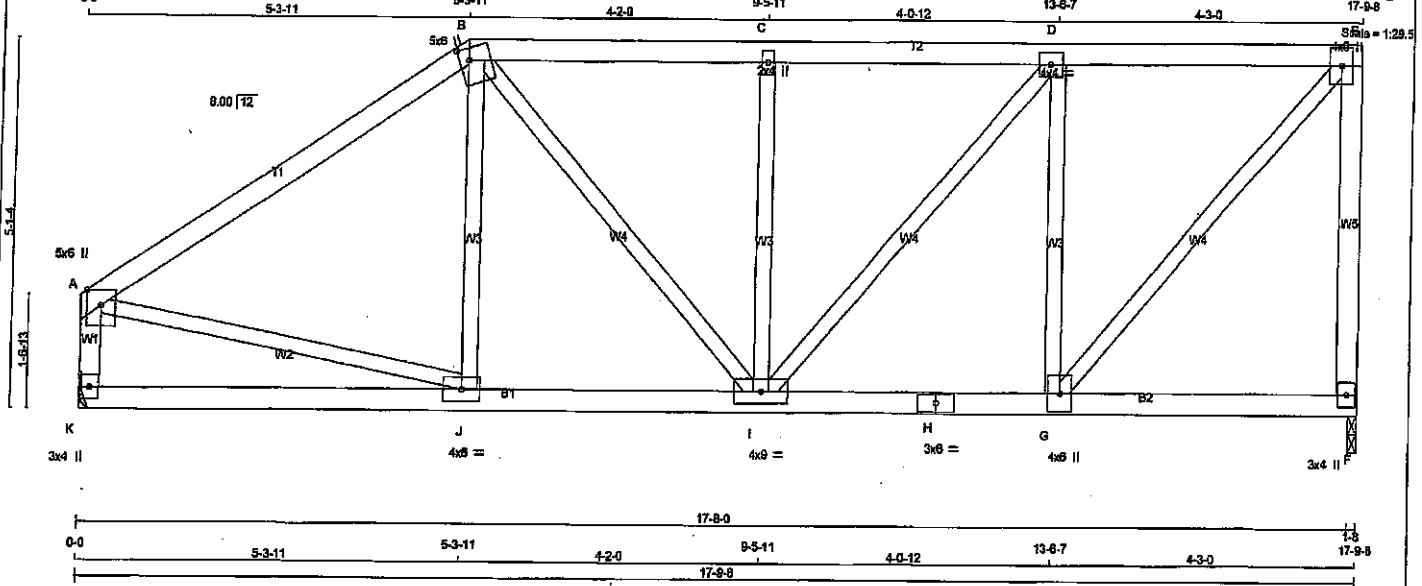
JSI GRIP= 0.75 (F) (INPUT = 0.80)

JSI METAL= 0.45 (J) (INPUT = 1.00)

DRWG NO. TAM 17905450
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T82	QUANTITY 1	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	CHORDS	SIZE	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 EXCEPT	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW+p	MT20	5.0	6.0	Edge	
B	TMW+m	MT20	5.0	6.0	2.00	1.50
C	TMW+w	MT20	2.0	4.0		
D	TMW+t	MT20	4.0	4.0		
E	TMW+p	MT20	4.0	6.0		
F	BMV+p	MT20	3.0	4.0		
G	BMW+m	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMW+t	MT20	4.0	6.0		
J	BMW+t	MT20	4.0	6.0		
K	BMV+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	REQRD BRG
JT	VERT	DOWN	HORZ	UPLIFT
K	1073	0	0	1-8
F	1073	0	0	MECHANICAL

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	755	517 / 0	0 / 0	0 / 0	238 / 0	0 / 0
K	755	517 / 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 = 5.33 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 (FLF)	LC1	MAX	CS1 (LC)	UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX	CS1 (LC)
FR-TO								FR-TO				
A-B	-1017 / 0		-102.1	-102.1	0.55 (1)	5.36	J-B	-88 / 56	0.03 (1)			
B-C	-1022 / 0		-102.1	-102.1	0.24 (1)	5.89	A-J	0 / 867	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	-763 / 0		-102.1	-102.1	0.25 (1)	6.25	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)			
K-J	0 / 0		-18.5	-18.5	0.12 (4)	10.00	I-D	0 / 401	0.09 (1)			
J-I	0 / 843		-18.5	-18.5	0.20 (1)	10.00						
I-H	0 / 763		-18.5	-18.5	0.18 (1)	10.00						
H-G	0 / 763		-18.5	-18.5	0.16 (1)	10.00						
G-F	0 / 0		-18.5	-18.5	0.08 (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 086-08, CSA 088-14
- 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) = $L/999$ (0.05")

CS1: TC=0.55/1.00 (A-B-1), BC=0.20/1.00 (J-K-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

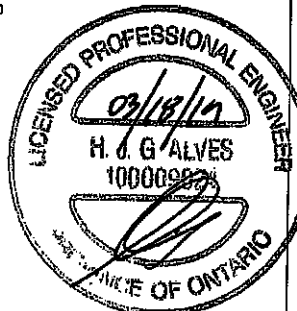
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

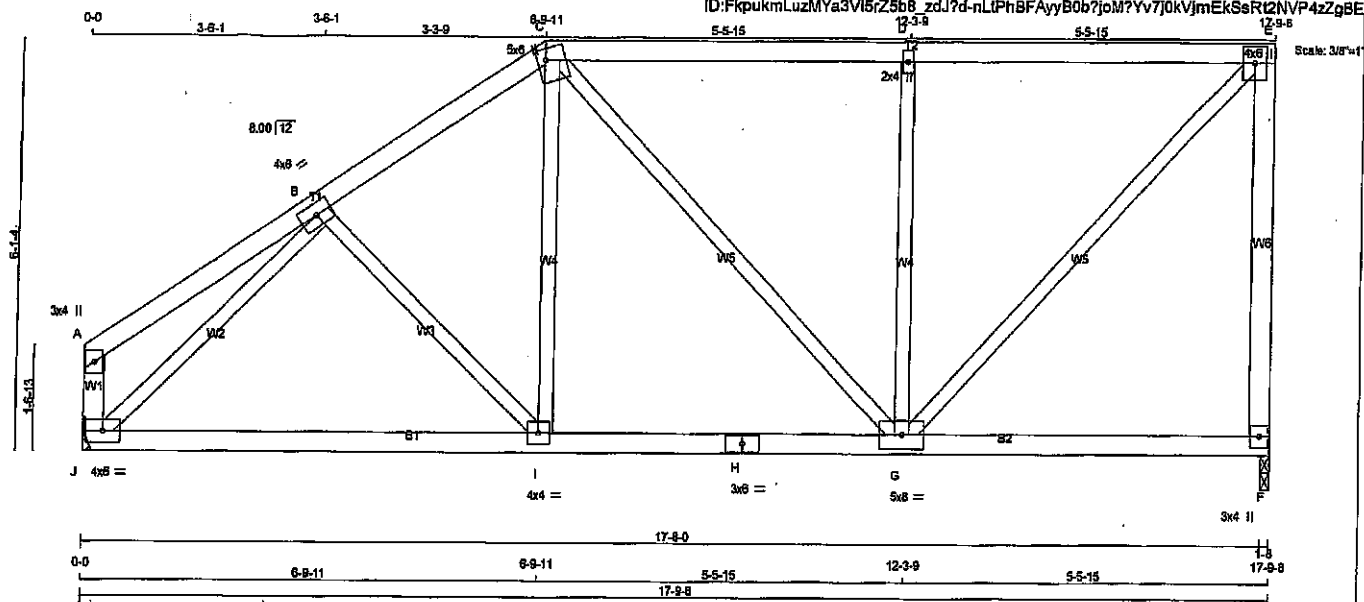
JT GRIP = 0.74 (E) (INPUT = 0.80)
JT METAL = 0.43 (A) (INPUT = 1.00)



DRWG NO. TAM 77905457
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T83	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 79 lb

LUMBER				
N. L. G. A. RULES	SIZE	LUMBER	DESCR.	
CHORDS				
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 to 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	TTWV+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	6.0	6.0	
H	BS-t	MT20	3.0	6.0	
I	BMVW-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

FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	
F	1073	0	1073	0	1-8	1-8	
J	1073	0	1073	0	MECHANICAL		

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. FURLIN 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.

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-B	0 / 21	-102.1	-102.1 0.18 (1)	10.00	B-I	-98 / 17	0.04 (1)
B-C	-970 / 0	-102.1	-102.1 0.20 (1)	6.07	I-C	0 / 198	0.05 (4)
C-D	-775 / 0	-102.1	-102.1 0.54 (1)	5.93	C-G	-29 / 0	0.04 (4)
D-E	-775 / 0	-102.1	-102.1 0.54 (1)	5.93	G-D	-694 / 0	0.41 (1)
F-E	-1028 / 0	0.0	0.0 0.74 (1)	7.74	G-E	0 / 1123	0.25 (1)
J-A	-135 / 0	0.0	0.0 0.01 (1)	7.81	J-B	-1231 / 0	0.47 (1)
J-I	0 / 858	-18.5	-18.5 0.24 (4)	10.00			
I-H	0 / 791	-18.5	-18.5 0.25 (4)	10.00			
H-G	0 / 791	-18.5	-18.5 0.25 (4)	10.00			
G-F	0 / 0	-18.5	-18.5 0.12 (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 BCBC 2018, OBC 2012
- CSA 086-09, 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 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 (0.08")

CSI: TC=0.74/1.00 (E-F:1), BC=0.25/1.00 (G-H:4), WB=0.47/1.00 (B-J: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

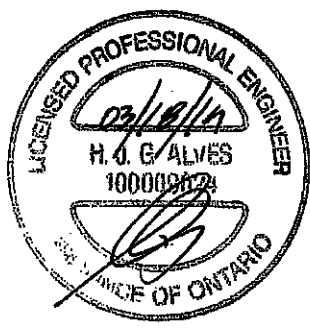
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE GRIP(DRY)	SHEAR	SECTION			
(PSI)	(PLI)	(PLI)			
MAX	MIN	MAX	MIN	MAX	MIN
MT20	518	354	1867	788	1987

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 3.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.80)
JSI METAL= 0.95 (E) (INPUT = 1.00)

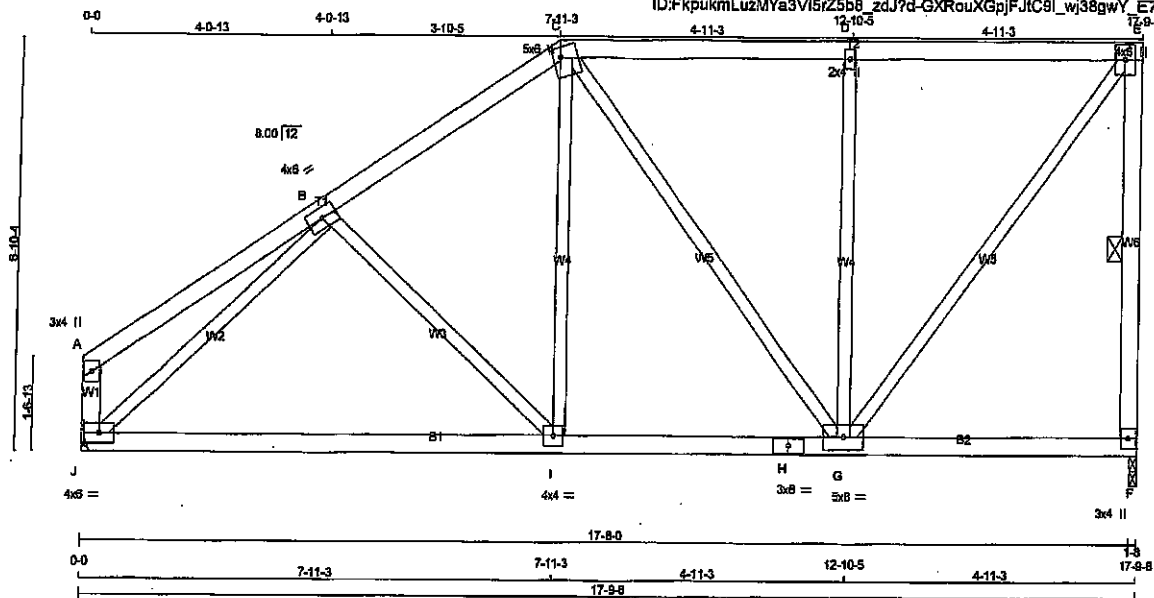


DRWG NO. TAM **T805452**
STRUCTURAL
CONNECTION ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T84	1	1	GREEN PARK HOMES	
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 82 lb

LUMBER

N. L. G. A. RULES

CHORDS

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 No.2

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	TTWV+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-1	MT20	3.0	6.0		
I	BMVW-1	MT20	4.0	4.0		
J	BMVW1-1	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

1ST LOASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0
J	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH FR-TO	
FR-TO							
A-B	0 / 26	-102.1	-102.1 0.28 (1)	10.00	B-I	-193 / 0	0.10 (1)
B-C	-907 / 0	-102.1	-102.1 0.27 (1)	6.10	I-C	0 / 281	0.08 (1)
C-D	-834 / 0	-102.1	-102.1 0.42 (1)	6.25	C-G	-171 / 0	0.24 (1)
D-E	-834 / 0	-102.1	-102.1 0.42 (1)	6.25	G-D	-622 / 0	0.49 (1)
E-F	-1031 / 0	0.0	0.0 0.22 (1)	6.18	G-E	0 / 1050	0.24 (1)
J-A	-155 / 0	0.0	0.0 0.02 (1)	7.81	J-B	-1222 / 0	0.61 (1)
I-H	0 / 872	-18.5	-18.5 0.31 (4)	10.00			
H-G	0 / 737	-18.5	-18.5 0.31 (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 2.00/12 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 088-09, 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 (0.59")
CALCULATED VERT. DEFL.(LL) = L/888 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.59")
CALCULATED VERT. DEFL.(TL) = L/888 (0.14")

CSI: TC=0.42/1.00 (D-E-1), BC=0.31/1.00 (H-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.

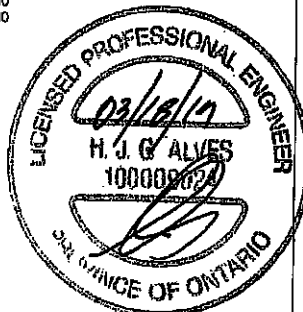
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX	MIN	MAX
MT20	618	354
	1667	788
	1667	1668

PLATE PLACEMENT TOL. = 0.250 inches

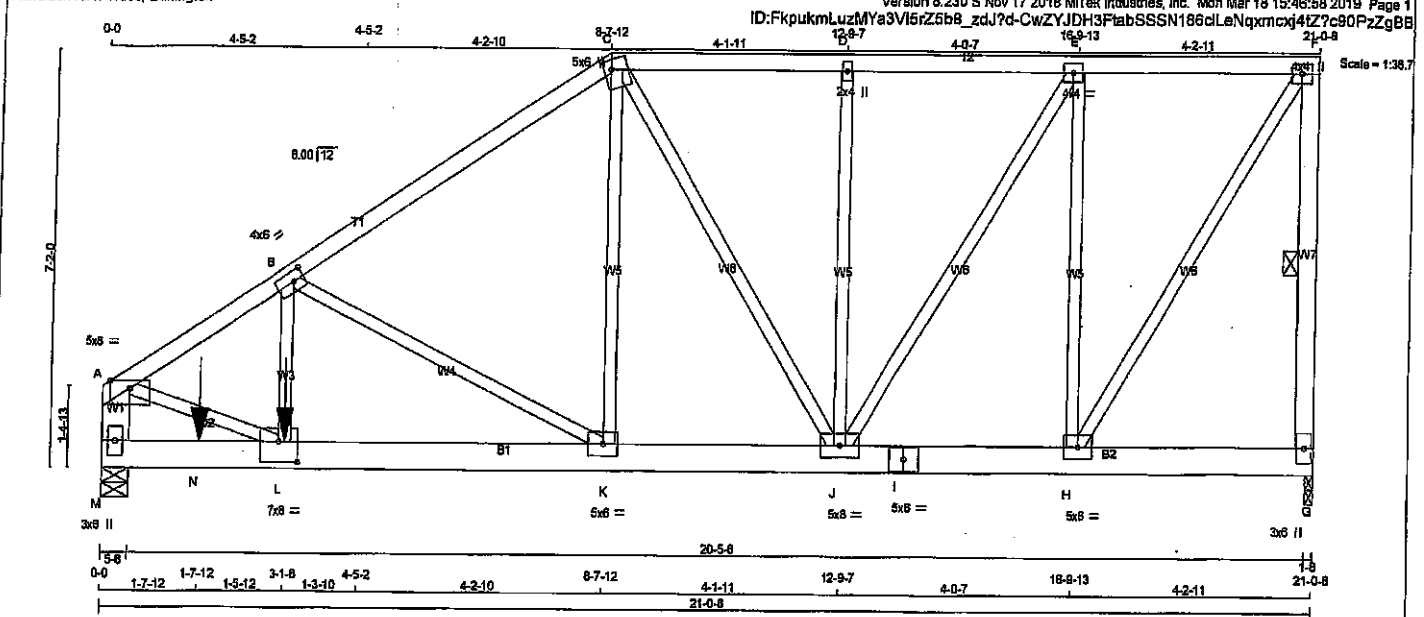
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (J) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)



DRWG NO. TAM 719052453
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T85	1	3	TRUSS DESC.		
Tamarack Roof Truss, Burlington						



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	12	SIDE(1007.1)
I-G 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
B-L 1	6	SIDE(299.4)
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 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 TMVW-p	MT20	5.0	8.0	Edge	
B TMVW-l	MT20	4.0	6.0	2.00	2.25
C TTWW+m	MT20	5.0	6.0	2.00	1.50
D TMVW-w	MT20	2.0	4.0		
E TMVW-l	MT20	4.0	4.0		
F TMVW-p	MT20	4.0	4.0		
G BMV1+p	MT20	3.0	6.0		
H BMVW-l	MT20	5.0	6.0		
I BS-l	MT20	5.0	6.0		
J BMVWVW-l	MT20	6.0	8.0		
K BMVW-l	MT20	5.0	8.0		
L BMVW-l	MT20	7.0	8.0	4.25	4.00
M 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 IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	2025	0	2025	0	1-8	1-8
G	5932	0	5932	0	5-8	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	438 / 0	0 / 0
M	4163	2911 / 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		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-6556 / 0	-102.1 -102.1	0.16 (1)	4.48	L-B	0 / 3287	0.25 (1)
B-C	-2814 / 0	-102.1 -102.1	0.16 (1)	6.22	B-K	-3510 / 0	0.88 (1)
C-D	-1875 / 0	-102.1 -102.1	0.08 (1)	6.25	K-C	0 / 1908	0.14 (1)
D-E	-1875 / 0	-102.1 -102.1	0.08 (1)	6.25	A-L	0 / 5769	0.43 (1)
E-F	-1128 / 0	-102.1 -102.1	0.08 (1)	6.25	H-F	0 / 2135	0.16 (1)
G-F	-1991 / 0	0.0 0.0	0.15 (1)	6.25	C-J	-910 / 0	0.38 (1)
M-A	-5497 / 0	0.0 0.0	0.12 (1)	7.38	H-E	-1721 / 0	0.48 (1)
M-N	0 / 0	-18.5 -18.5	0.15 (1)	10.00	J-D	-447 / 0	0.12 (1)
N-L	0 / 0	-18.5 -18.5	0.15 (1)	10.00	J-E	0 / 1484	0.14 (1)
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	DIR.
L	3-1-8	-4722	-4722	-	FRONT	VERT
N	1-7-12	-697	-697	-	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. 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 2018, OBC 2012
- CSA 085-08, 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 (0.70")
CALCULATED VERT. DEFL.(LL) = L/988 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/988 (0.07")

CSI: TC=0.18/1.00 (A-B-1), BC=0.27/1.00 (K-L-1), WB=0.88/1.00 (B-K-1), SS=0.09/1.00 (L-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

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 (PLI)
MT20	618	354 1657 768 1957 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

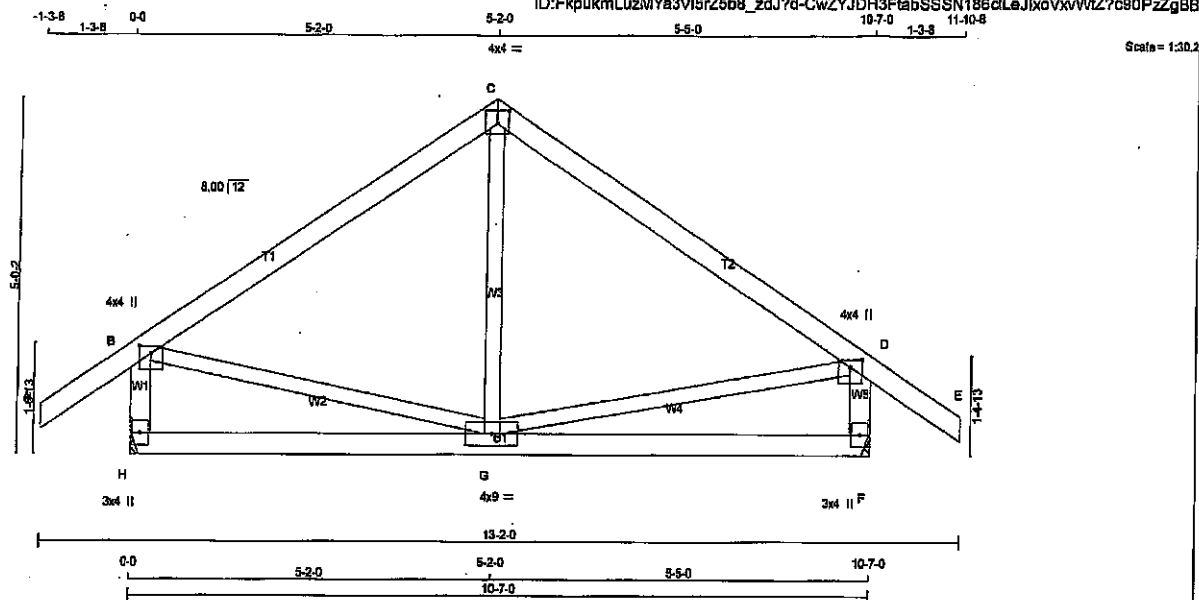
SI GRIP= 0.80 (L) (INPUT = 0.80)
SI METAL= 0.34 (A) (INPUT = 1.00)

DWG NO. TAM 11905454
STRUCTURAL
COMPUTER GENERATED

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T86	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 15:45:58 2019 Page 1
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TOTAL WEIGHT = 3 X 45 = 134 lb

LUMBER

N.L.G.A. RULES	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	BMVWW-t	MT20	4.0	8.0		
H	BMV1+p	MT20	3.0	4.0		

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

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
H	778	0	778	0	0	MECHANICAL	
F	778	0	778	0	0	MECHANICAL	

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
H	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
H	545	387 / 0 0 / 0 0 / 0 0 / 0 158 / 0 0 / 0
F	545	387 / 0 0 / 0 0 / 0 0 / 0 158 / 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				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-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	G-C	-44 / 80	
B-C	-447 / 0	-102.1 -102.1	0.35 (1)	5.25	B-G	0 / 383	
C-D	-447 / 0	-102.1 -102.1	0.39 (1)	8.25	G-D	0 / 380	
D-E	0 / 39	-102.1 -102.1	0.14 (1)	10.00			
H-B	-742 / 0	0.0 0.0	0.08 (1)	7.81			
F-D	-739 / 0	0.0 0.0	0.08 (1)	7.81			
H-G	0 / 0	-18.5 -18.5	0.15 (4)	10.00			
G-F	0 / 0	-18.5 -18.5	0.15 (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. 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 086-08, 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 (0.35")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = 1/998 (0.02")

CSI: TC=0.38/1.00 (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 1667 768 1687 1655

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)

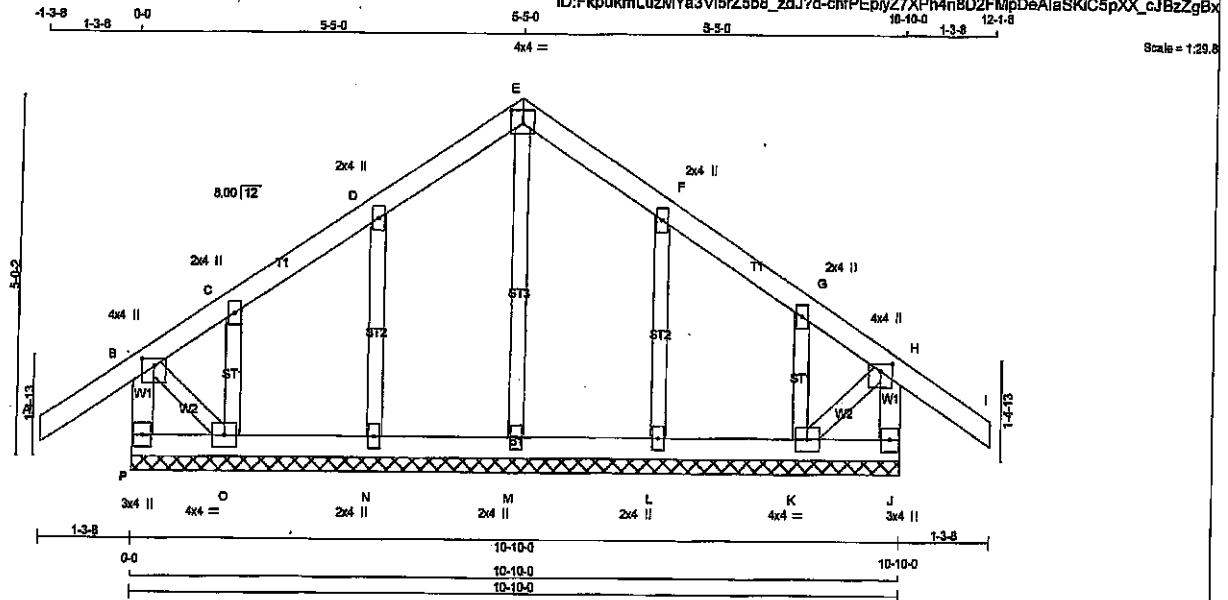


DWG NO. TAM 1705453
STRUCTURAL
GEOMETRIC ONLY

JOB NAME 401794	TRUSS NAME G86	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1/20.0

TOTAL WEIGHT = 47 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - J	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.		

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 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
P-B	-294 / 0	0.0 0.0 0.03 (1)	7.81	M-E	-160 / 0	0.06 (1)	
A-B	0 / 39	-102.1 -102.1 0.14 (1)	10.00	N-D	-248 / 0	0.05 (1)	
B-C	-53 / 0	-102.1 -102.1 0.13 (1)	6.25	O-C	-82 / 0	0.01 (1)	
C-D	-1 / 0	-102.1 -102.1 0.07 (1)	10.00	L-F	-248 / 0	0.05 (1)	
D-E	-18 / 0	-102.1 -102.1 0.07 (1)	6.25	K-G	-82 / 0	0.01 (1)	
E-F	-18 / 0	-102.1 -102.1 0.07 (1)	6.25	B-O	0 / 17	0.00 (1)	
F-G	-1 / 0	-102.1 -102.1 0.07 (1)	10.00	K-H	0 / 17	0.00 (1)	
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	-294 / 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				

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 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 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(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

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 SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 785 1887 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (B) (INPUT = 0.80)
JSI METAL = 0.13 (F) (INPUT = 1.00)

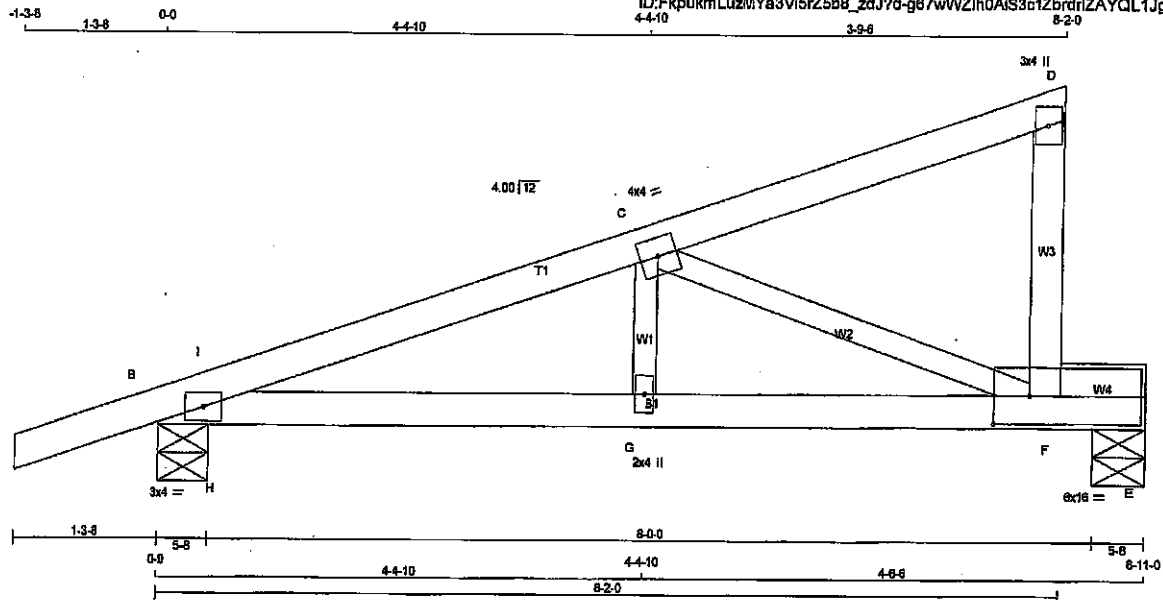


DRWG NTA TAM 17905456
STRUCTURAL
CONSULTANT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T87	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 29 = 88 lb (M/F)

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
B - E	2x4	DRY	No.2	SPF
F - 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	TMB1-I	MT20	3.0	4.0		
C	TMBWW-I	MT20	4.0	4.0		
D	TMBV-P	MT20	3.0	4.0		
F	TMBWW-I	MT20	6.0	16.0	3.00	4.00
G	TMBV-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	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	671	0	671	0	5-8	5-8
E	464	0	464	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
B	470	335 / 0	0 / 0	0 / 0	0 / 0	135 / 0
E	328	217 / 0	0 / 0	0 / 0	0 / 0	111 / 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 = 6.03 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)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS			MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
		VERT. LOAD (PLF)	LC1	MAX				
FR-TO		FROM	TO					
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	C-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)	8.03	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 / 671	-18.5	-18.5	0.29 (1)	10.00			
H-G	0 / 671	-18.5	-18.5	0.31 (1)	10.00			
G-F	0 / 671	-18.5	-18.5	0.52 (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 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 (0.30")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = L/875 (0.12")

CSI: TC=0.17/1.00 (C-E: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.

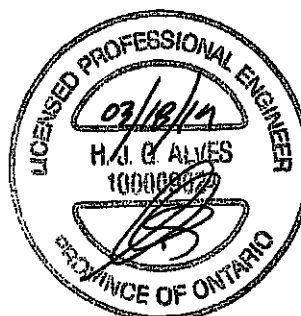
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 334 1667 788 1987 1696	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.69 (C) (INPUT = 0.90)
JSI METAL= 0.41 (B) (INPUT = 1.00)



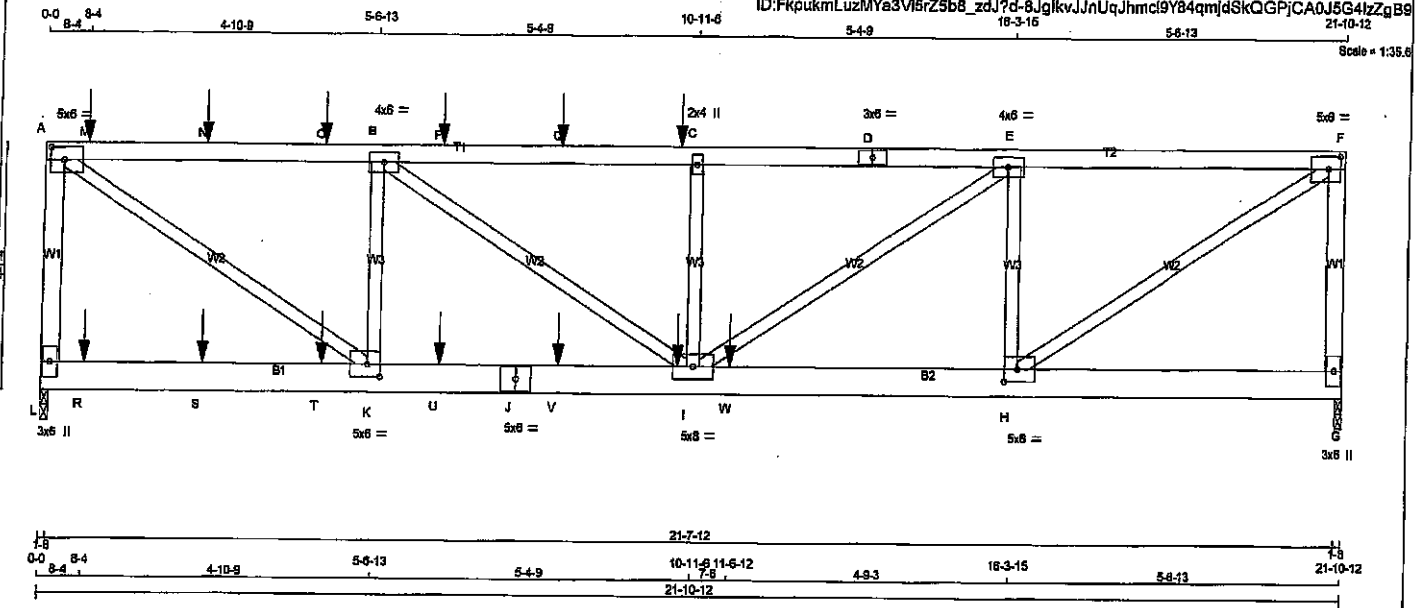
DWG NO. TAM 71905457
STRUCTURAL
CONCRETEMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T110	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32



TOTAL WEIGHT = 2 X 100 = 200 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
L - A	2x4	DRY	No.2	SPF
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
J - G	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		
L-A	12	TOP
A-D	12	SIDE(61.0)
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 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	2.50
B TMVW-1	MT20	4.0	6.0		
C TMVW-w	MT20	2.0	4.0		
D TS-t	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-t	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
L	2540	0	2540	0	1-8	1-8
G	2197	0	2197	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SC
L	1788	1223 / 0	0 / 0	0 / 0	0 / 0	584 / 0	0 / 0
G	1545	1066 / 0	0 / 0	0 / 0	0 / 0	479 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.99 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)		MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO		FR-TO				
L-A	-2442 / 0	0.0	0.0	0.30 (1)	7.22	H-F	0 / 3485	0.43 (1)	
A-M	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	A-K	0 / 3708	0.46 (1)	
M-N	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	H-E	-1884 / 0	0.21 (1)	
N-O	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	K-B	-1938 / 0	0.25 (1)	
O-B	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	I-E	0 / 1844	0.23 (1)	
B-P	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99	B-I	0 / 1621	0.20 (1)	
P-Q	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99	I-C	-873 / 0	0.08 (1)	
Q-C	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99				
C-D	-4412 / 0	-102.1	-102.1	0.38 (1)	4.24				
D-E	-4412 / 0	-102.1	-102.1	0.38 (1)	4.24				
E-F	-2896 / 0	-102.1	-102.1	0.29 (1)	5.09				
G-F	-2188 / 0	0.0	0.0	0.27 (1)	7.55				
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 / 2896	-18.5	-18.5	0.38 (1)	10.00				
W-H	0 / 2896	-18.5	-18.5	0.38 (1)	10.00				
H-G	0 / 0	-18.5	-18.5	0.05 (4)	10.00				

03/18/16

H.J. G. ALLEN

1000199229

LICENSED PROFESSIONAL

PROVIDENCE, RI

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
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 = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 42.4 PSF	

SPACING = 240 IN.GIC

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, 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) = $L/360$ (0.73")
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), BC=0.38/1.00 (H-I), WB=0.48/1.00 (A-K), SS=0.39/1.00 (H-I)

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)
MT20	618	354
	1667	788
	1987	1656

PLATE PLACEMENT TOL = 0.250 inches

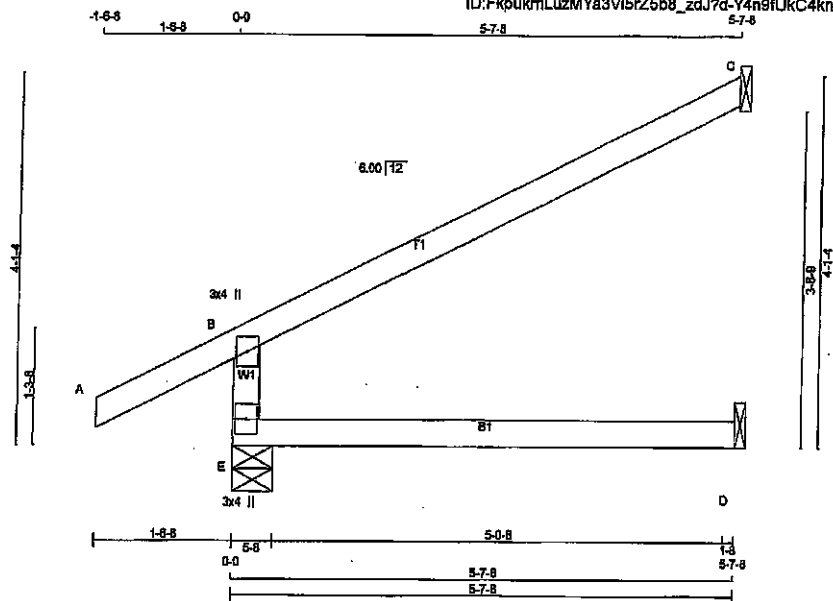
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.90)
JSI METAL= 0.38 (H) (INPUT = 1.00)

DRWG NO. TAW 710545B
STRUCTURAL
03/03/2016

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	J11	6	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1/2" = 1'-0"

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	BMVt+p	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	IN-SX	IN-SX
E	584	0	5-8	5-8
C	215	0	1-8	1-8
D	43	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
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 = 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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	MEMB. FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MEMB. 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				

TOTAL WEIGHT = 6 X 17 = 100 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. CC

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

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) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/899$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/899$ (0.03")

CSI: TC=0.55/1.00 (B-C:1), EC=0.12/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SS=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.

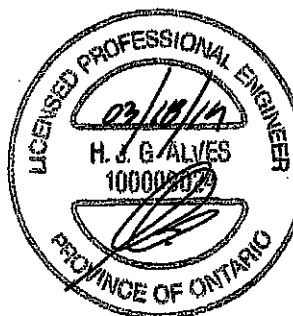
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667	788	1897

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (E) (INPUT = 0.80)
JSI METAL= 0.15 (B) (INPUT = 1.00)

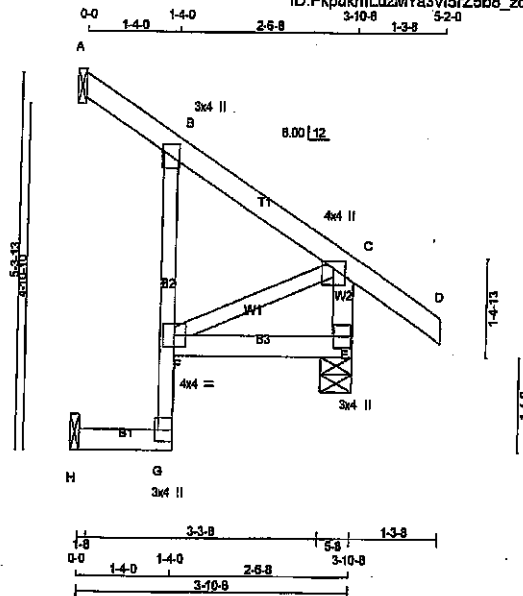


DRWG NO. TAM 7405454
STRUCTURAL
CONSTRUCTION / R.V.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	J51S	3	1	GREEN PARK HOMES.	
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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Scale = 1:30.2

TOTAL WEIGHT = 3 X 18 = 54 lb

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

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
A	134	2	134	2
E	440	0	440	0
H	33	-2	33	-2

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) A, H

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	94	67/0	0/0	0/0	0/0	0/0	27/0	0/0
E	307	228/0	0/0	0/0	0/0	0/0	78/0	0/0
H	24	10/0	0/0	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.

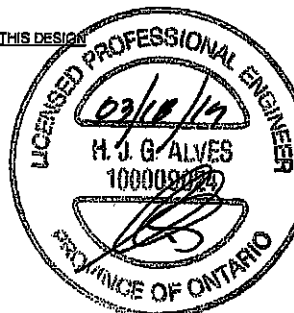
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (6)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	CS1 (LC)	MEMB. FORCE (LBS)
FR-TO		FROM TO	UNBRAC LENGTH	FR-TO
A-B	0/38	-102.1 -102.1	0.13 (1)	10.00
B-C	-74/0	-102.1 -102.1	0.20 (1)	8.25
C-D	0/39	-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	-86/0	-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 = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- 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/989 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/989 (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), SS=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)	SECTION (PLI)
MT20	618	354	1667
	788	1987	1856

PLATE PLACEMENT TOL = 0.250 inches

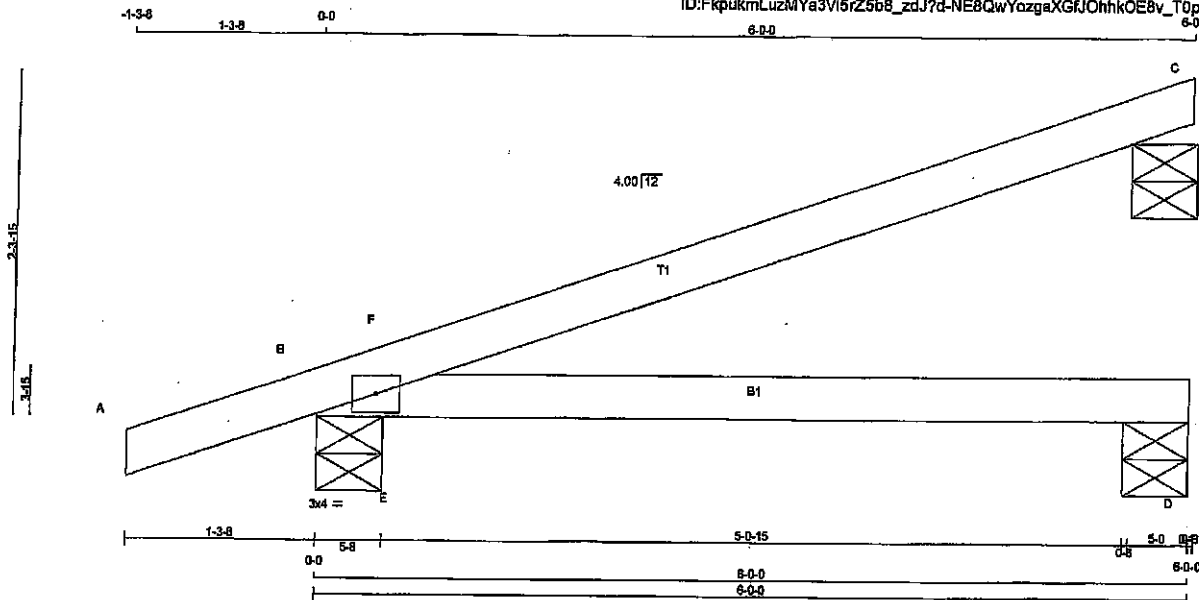
PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP= 0.23 (C) (INPUT = 0.30)
ISI METAL= 0.07 (C) (INPUT = 1.00)

DRWG NO. TAM 77905460
STRUCTURAL
COMPONENTS

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	J54	8	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:46:18 2019 Page 1
ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-NE8QwYozgaXGfJOhhkOE8v_Top6Gaay_Mnw1bkzZgBp



TOTAL WEIGHT = 8 X 16 = 128 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

DESCR.

SPF

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
C	267	0	5-8 (5-2)	5-8
B	498	0	5-8	5-8
D	95	0	5-8	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

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	96/0	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)	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	0.13 (1)	10.00	E-F	-389 / 13	0.00 (1)
B-F	-20 / 26	-102.1 -102.1	0.07 (4)	6.25			
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
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, CBC 2012
- CSA 084-09, 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) = 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), SS=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.

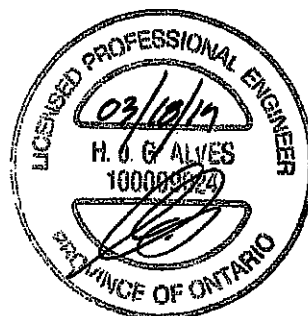
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	618	354	1667

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)

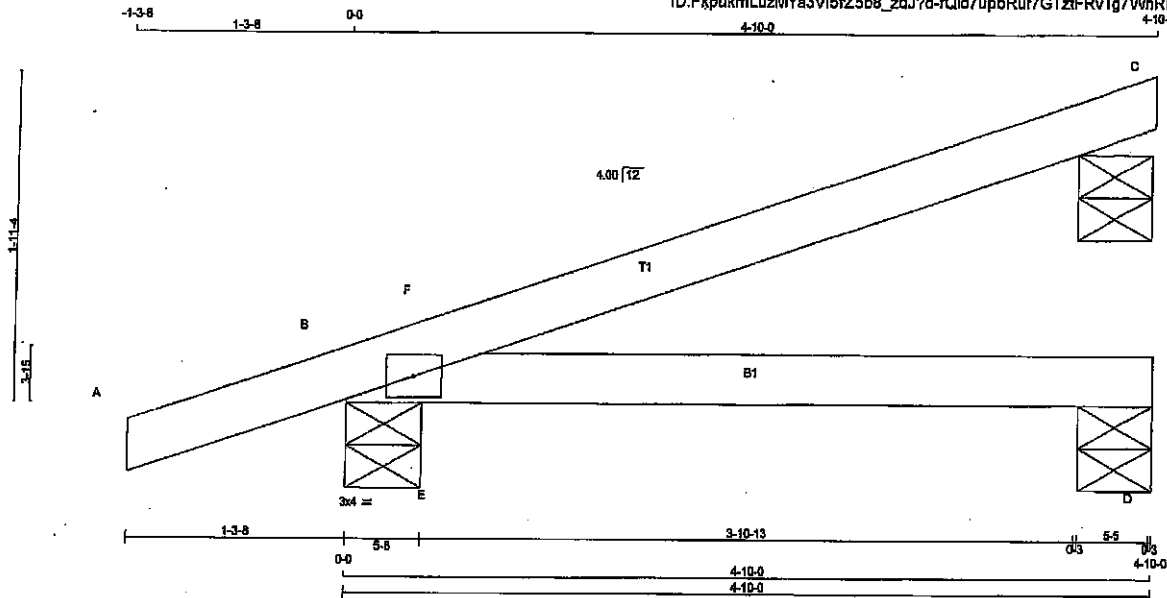


DRWG NO. TAM 1705463
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J55	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 8 X 13 = 78 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 TMB1-1 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
C	214	0	214	0	0	5-8	5-8
B	428	0	428	0	0	5-8	5-8
D	78	0	78	0	0	5-8	5-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

JT	1ST LCASE	MAX MIN COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
COMBINED								
C	147	118 / 0	0 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0
B	299	218 / 0	0 / 0	0 / 0	0 / 0	0 / 0	81 / 0	0 / 0
D	58	23 / 0	0 / 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				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LG1 MAX CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED CS1 (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	E-F	-264 / 8	0.00 (1)
B-F	-15 / 5	-102.1	-102.1	0.06 (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. GIC

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 (0.18")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.18")
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), SS=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.

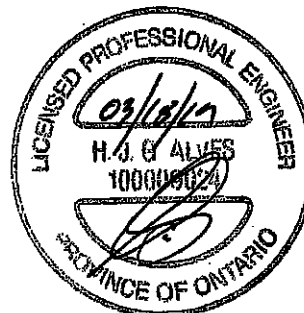
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

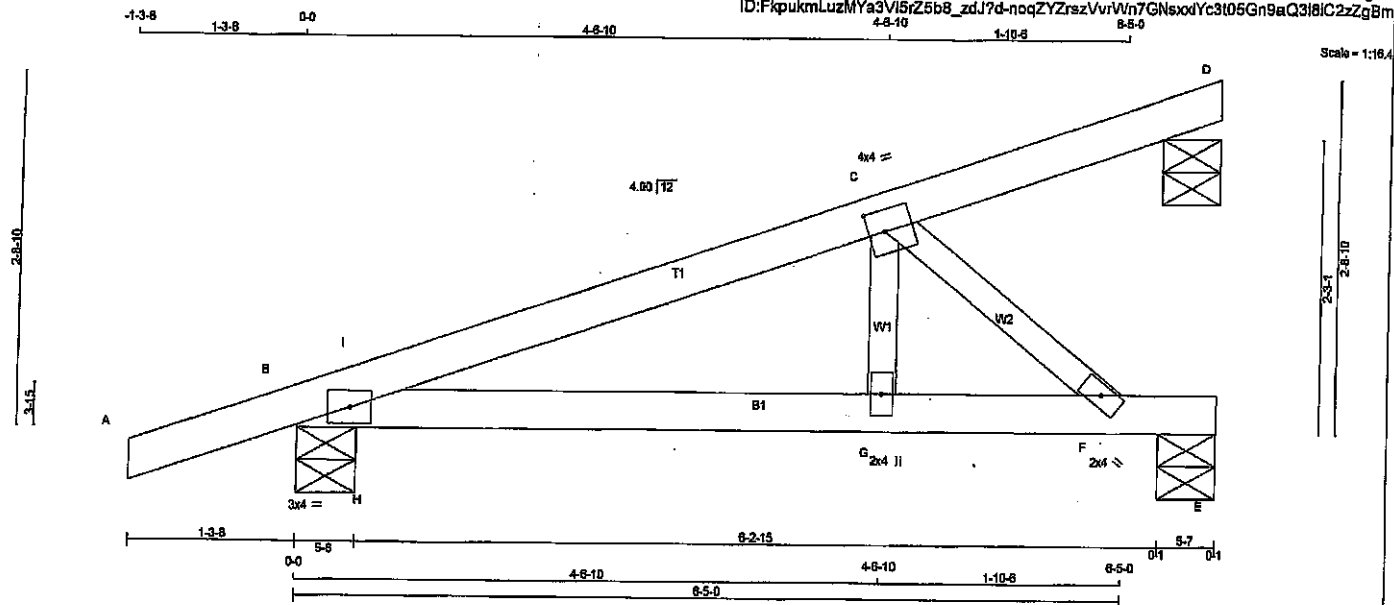
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



DWG NO. TAM 17905464
STRUCTURAL
COMPILED BY V

JOB NAME 401794	TRUSS NAME J56	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:46:21 2019 Page 1 ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-noqZYrSzVvWn7GNsxdYc3t05Gn9aQ3t8tC2zZg8m		



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 No.2
DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMBW-W	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	589	0	589	0	5-8	5-8
E	336	0	336	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

JT	1ST CASE COMBINED		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM	LIVE			
B	398	288 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 / 0
E	238	154 / 0	0 / 0	0 / 0	0 / 0	84 / 0	0 / 0
D	88	54 / 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				
A-B	0 / 20	-102.1 -102.1 0.13 (1)	10.00	C-F -808 / 0 0.14 (1)
B-I	-828 / 0	-102.1 -102.1 0.03 (1)	6.25	G-C 0 / 345 0.08 (1)
I-C	-824 / 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)	8.25	
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 / 802	-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

(M/F)

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, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2015
- CSA 086-09, 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 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.05")

CSI: TC=0.18/1.00 (C-I:1), BC=0.50/1.00 (F-G:1), WB=0.14/1.00 (C-F:1), SSI=0.26/1.00 (E-F:1)

DOI 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 1667 788 1667 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.70 (F) (INPUT = 0.90)
JSI METAL= 0.43 (F) (INPUT = 1.00)

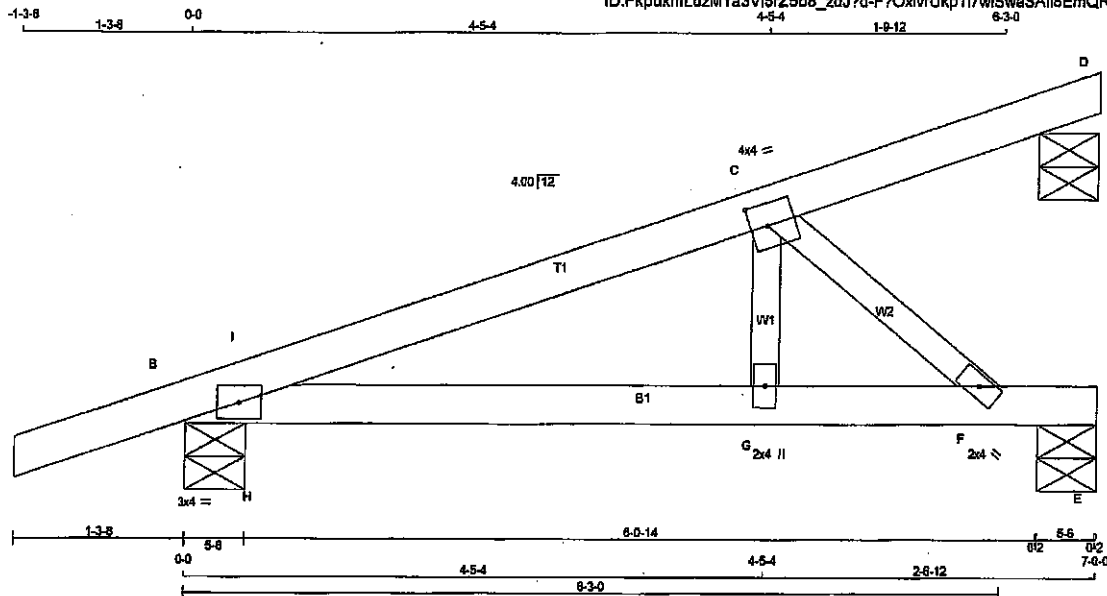


DRWG NO. TAM 7405465
STRUCTURAL
COMPONENTS

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J57	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:16.2

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4 DRY	No.2	SPF		
B - E	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	TMB1-1	MT20	3.0	4.0		
C	TMBW-1	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

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	SO
B	391	281/0	0/0	0/0	0/0	110/0	0/
E	232	150/0	0/0	0/0	0/0	82/0	0/
D	85	53/0	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 = 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)	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	C-F	-791/0	0.13 (1)			
B-I	-613/0	-102.1	-102.1	0.02 (1)	6.25	G-C	0/342	0.08 (1)			
I-C	-608/0	-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, 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 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=0.49/1.00 (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
(FSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.69 (F) (INPUT = 0.90)
JSI METAL= 0.42 (F) (INPUT = 1.00)



DWG NO. TAM P405466
STRUCTURAL
CONSTRUCTION



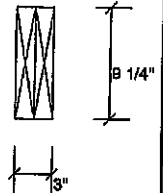
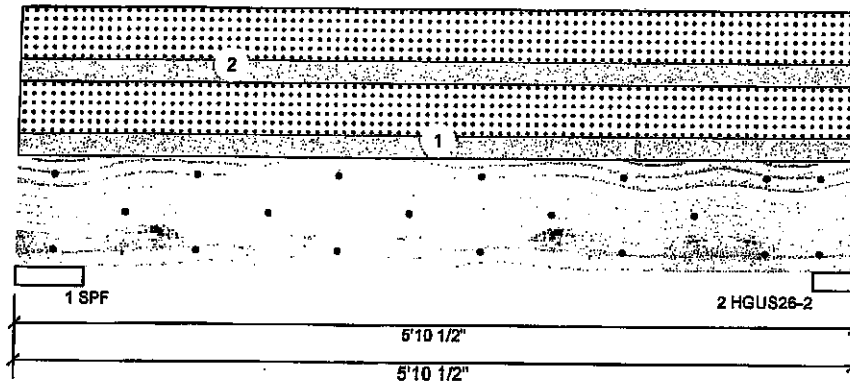
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
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

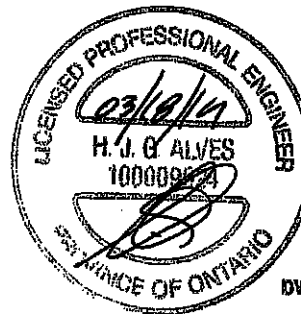
Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	411 / 1138	1550 L	1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1464 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	8039 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	0.018 (L/3998)	3' 1/4"	0.175 (L/360)	0.080 (8%)	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 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 7905467
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	

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until 12/11/2021





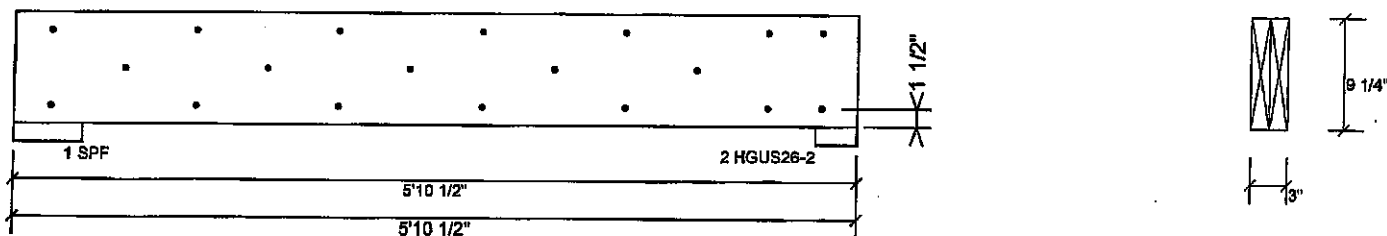
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Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401704
Project #:

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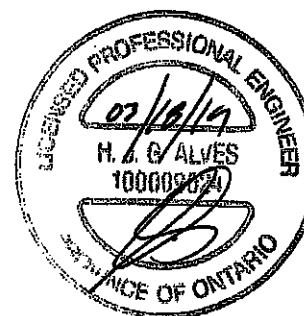
BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

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	66.4 %
Load	225.9 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 11905467
STRUCTURAL
COMPONENT ONLY 4/2

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

This design is valid until 12/11/2021





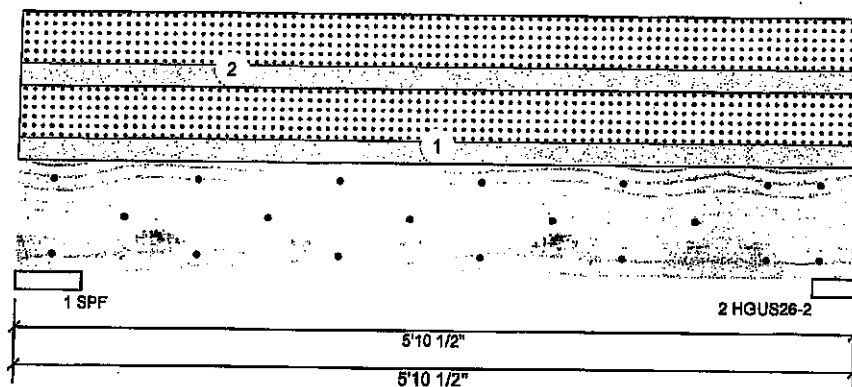
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Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information****Unfactored Reactions UNPATTERNED lb (Uplift)**

Type: Girder
Piles: 2
Moisture Condition: Dry
Deflection LL: 380
Deflection TL: 380
Importance: Normal

Application: Floor (Residential)
Design Method: LSD
Building Code: NBCC 2015 / OBC 2012
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

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	5.500"	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 piles 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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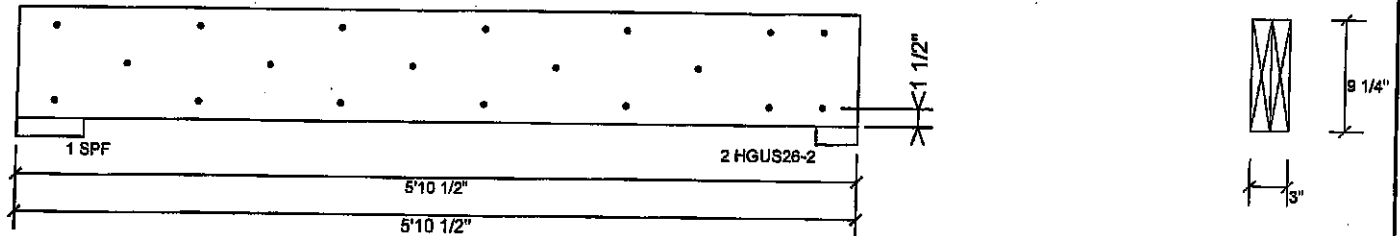
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

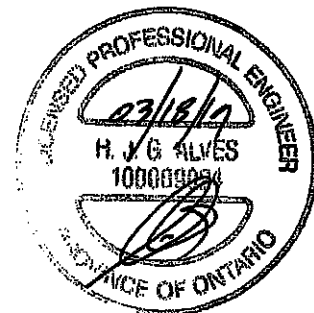


Multi-Ply Analysis

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

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



DWG NO. TAM 11905468
STRUCTURAL
COMPONENT ONLY

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC ALFA LUMBER GROUP

This design is valid until 12/11/2021





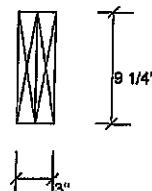
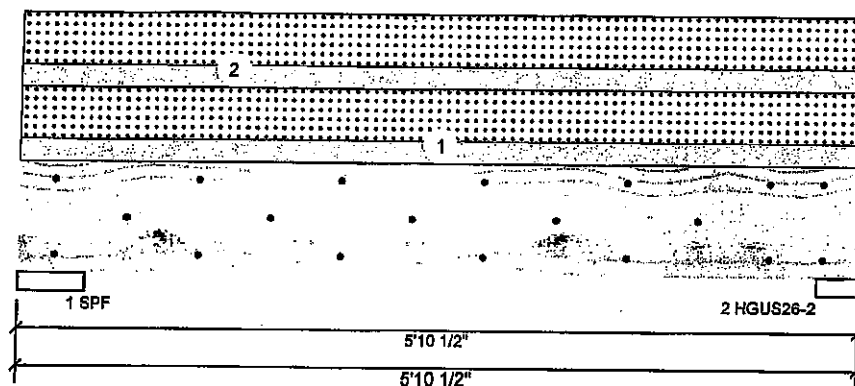
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Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM3 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	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

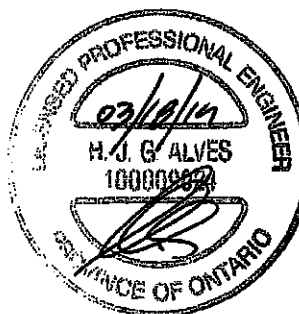
Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1926 ft-lb	3' 1/4"	8039 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/8488)	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.

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	



DWG NO. TAM 1905469
STRUCTURAL
SYNOPSIS ONLY 1/4

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



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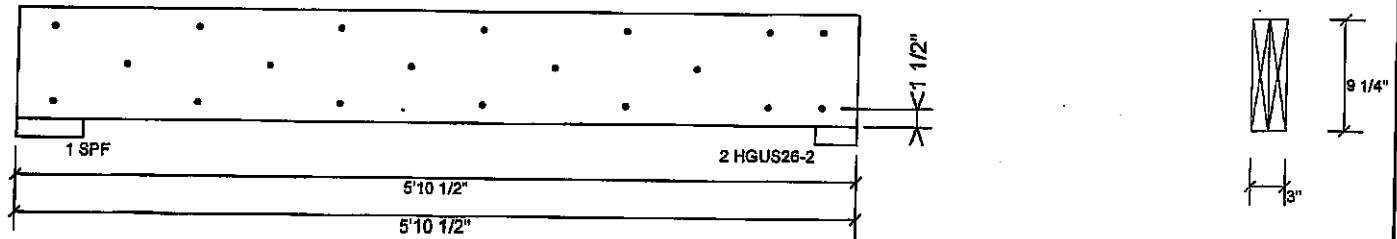
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM3 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	73.2 %
Load	248.8 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 7905469
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBERING ALMA LUMBER GROUP

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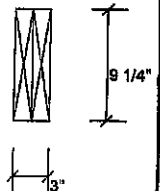
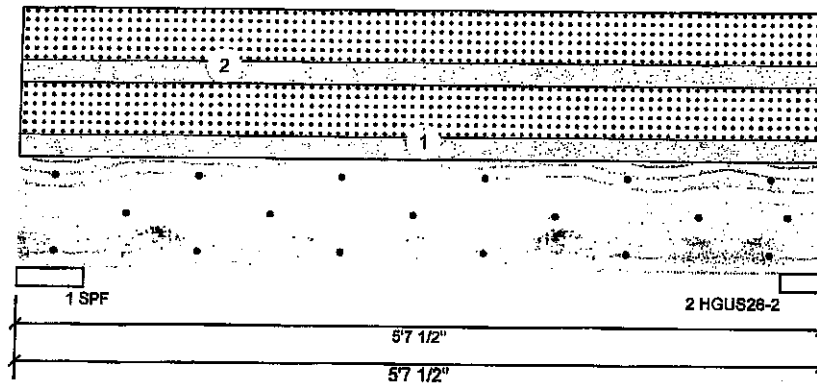
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Address:Date: 3/18/2019
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Job Name: 401794
Project #:

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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)

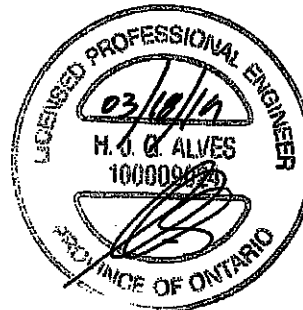
Brg	Live	Dead	Snow	Wind
1	0	230	530	0
2	0	217	500	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	11%	267 / 795	1083 L	1.25D+1.5S
2 - HGUS...	3.500"	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"	8039 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

**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. SAM **P905470**
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		5-1-4	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



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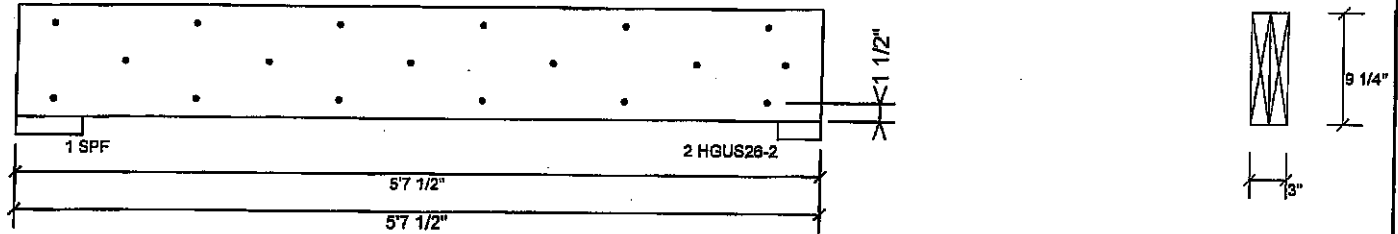
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM4 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

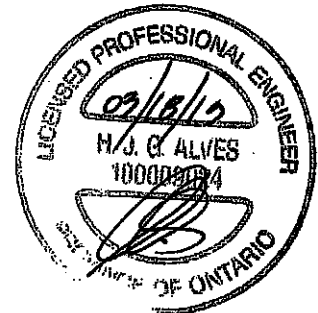
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Multi-Ply Analysis

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. TAM 11905470
STRUCTURAL
COMPONENT ONLY 3/2

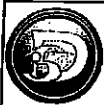
Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until 12/11/2021





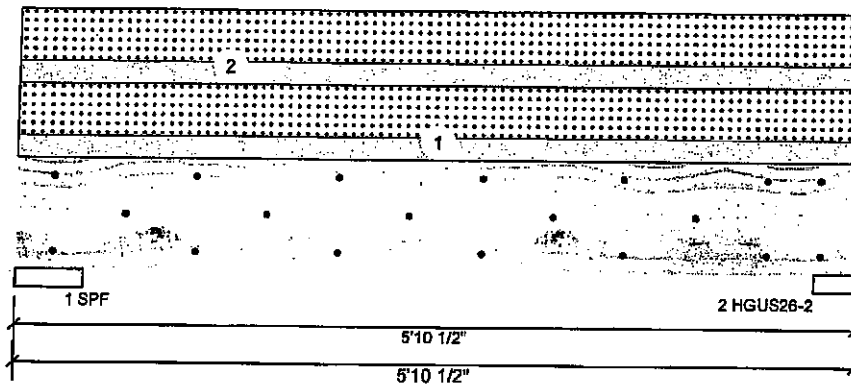
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Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM5 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Floor (Residential)
Piles:	2	Design Method:	LSD
Moisture Condition:	Dry	Building Code:	NBCC 2015 / OBC 2012
Deflection LL:	380	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal	Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

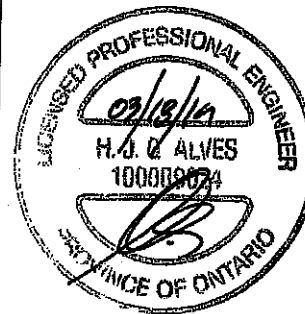
Brg	Live	Dead	Snow	Wind
1	0	247	570	0
2	0	233	539	0

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
2 - HGUS...	3.500"	17%	292 / 808	1100 L

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 71905471
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	

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

Manufacturer InfoTamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

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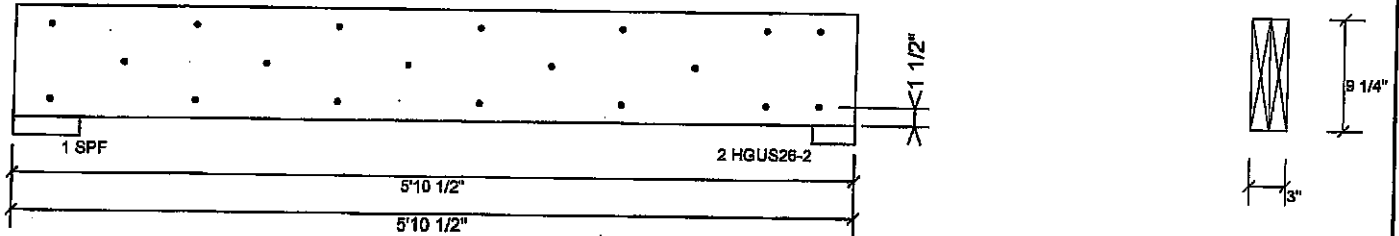
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM5 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	47.7 %
Load	162.1 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
COMPONENT ONLY

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC. ALPHA LUMBER GROUP

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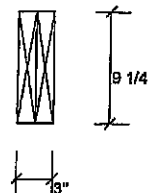
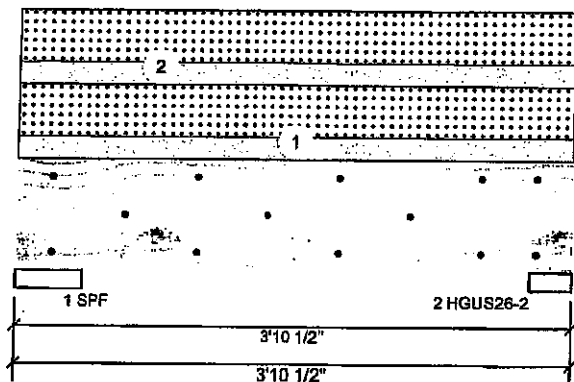
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Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information****Unfactored Reactions UNPATTERNED lb (Uplift)**

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

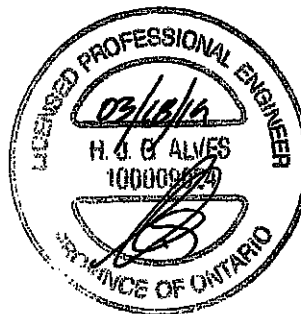
Brg	Live	Dead	Snow	Wind
1	0	165	381	0
2	0	152	350	0

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 - HGU826-2	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. (L/51772)	0.001	2' 1/4"	0.108 (L/360)	0.010 (1%)	D	Uniform
LL Defl inch (L/22435)	0.002	2' 1/4"	0.108 (L/360)	0.020 (2%)	S	L
TL Defl inch (L/15852)	0.002	2' 1/4"	0.108 (L/360)	0.020 (2%)	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 1905472
 STRUCTURAL
 COMPOUND ONLY

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 info
 Tamarack Roof Trusses
 3255 North Service Road, ON
 L7N 3G2
 905-335-1115


This design is valid until 12/11/2021





isDesign™

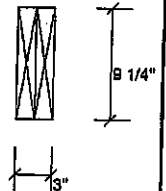
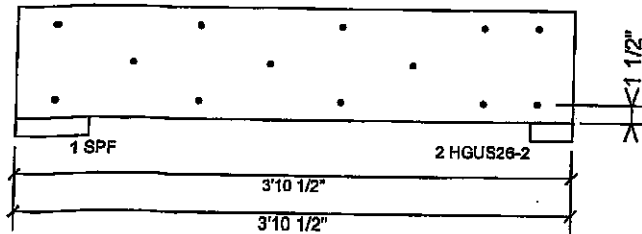
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 12 of 12

BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

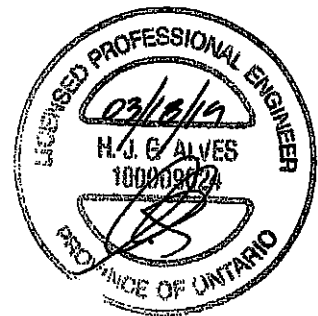
Level: Level



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	47.7 %
Load	162.1 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 11905472
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info	Tamarack Roof Trusses 3256 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC. ALMA LUMBER GROUP

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:

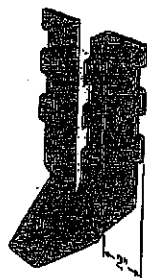
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 128.



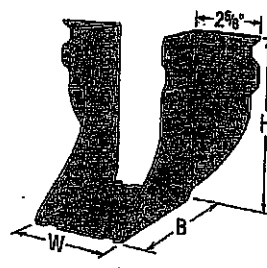
✓ LUS28



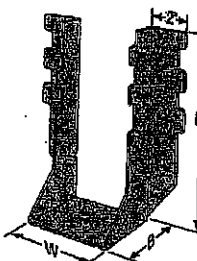
LU26L



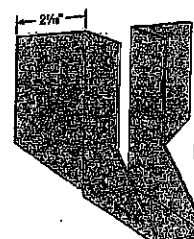
✓ HUS210
(HUS26, HUS28,
and HHUS similar)



✓ HGUS28-2



✓ HHUS210-2



LJS26DS



Double-Shear
Nailing
Top View

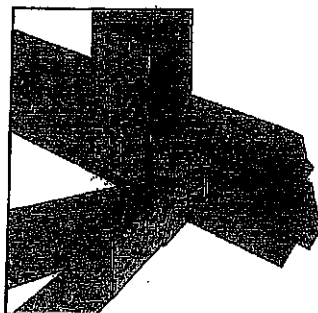


Double-Shear
Nailing
Side View;
Do not
bend tab



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)



Plated Truss Connectors

LUL/LUS/LJS/HUS/HHUS/HGUS**HHUS/HGUS**

See Hanger Options Information on pp. 125–127.

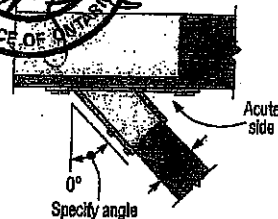
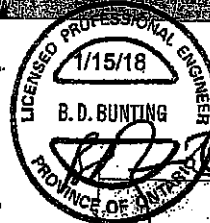
HHUS — Sloped and/or Skewed Seat

- 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	0.67 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.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance					
		W	H	B	d _o	Header	Joist	Uplift		Normal			
								lb.	lb.	lb.	lb.		
								lb.	lb.	lb.	lb.		
Single 2x Sizes													
LUS24	18	1 1/2	3 1/4	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1155		
								2487	574				
LU24L	22	1 1/2	3	1 1/4	2 1/4	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	725		
								342	822				
LU24V	22	1 1/2	5	1 1/4	4 1/4	(6) 10d	(4) 10d x 1 1/2"	720	1605	645	1140		
								2487	574				
LUS26	18	1 1/2	4 1/4	1 1/4	3 1/4	(4) 10d	(4) 10d	1420	2170	1290	1630		
								2487	574				
LUS26	16	1 1/2	5 1/4	3	3 1/4	(4) 16d	(6) 16d	2705	4940	2065	3675		
								2487	574				
LUS26S	18	1 1/2	5	3 1/4	4 1/4	(16) 16d	(6) 16d	2055	4265	1480	4115		
								2487	574				
HGUS26	12	1 1/2	5 1/4	5	4 1/4	(20) 16d	(8) 16d	2885	6625	2685	5700		
								2487	574				
LU28L	20	1 1/2	6 1/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550		
								2487	574				
LUS28	18	1 1/2	6 1/4	1 1/4	3 1/4	(8) 10d	(4) 10d	1420	2520	1290	1790		
								2487	574				
HUS28	16	1 1/2	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3605	5365	2675	4345		
								2487	574				
HGUS28	12	1 1/2	7 1/4	5	6 1/4	(36) 16d	(12) 16d	3310	7675	3310	6900		
								2487	574				
LU210L	20	1 1/2	8	1 1/4	7 1/4	(10) 10d	(6) 10d x 1 1/2"	1140	2485	1020	1770		
								2487	574				
LUS210	18	1 1/2	7 1/4	1 1/4	3 1/4	(8) 10d	(4) 10d	1420	2785	1290	2210		
								2487	574				

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. d_o 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-G-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.

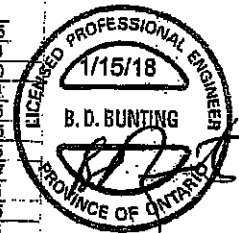
Face-Mount Hangers

SIMPSON
Strong-Tie

These products are available with additional corrosion protection. For more information, see p. 24.

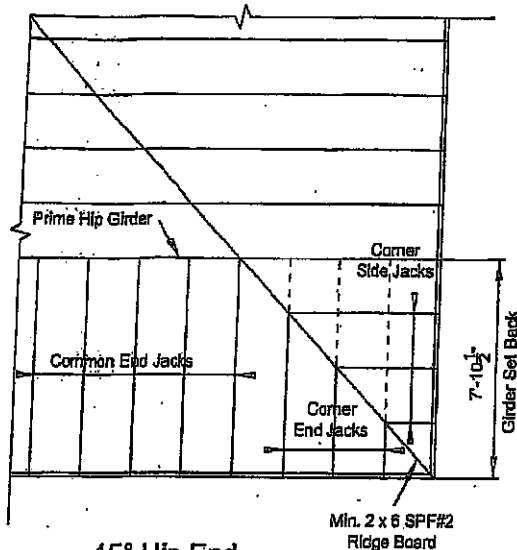
These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _p	Header	Joist	S-P-F		Uplift (K _u = 1.6)	Normal (K _n = 1.0)
								lb.	lb.		
Double 2x Sizes											
LUS24-2	18	3 1/4	8 1/2	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435
LUS26-2	18	3 1/4	4 1/2	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS26-2	14	3 1/4	5 1/2	3	3 1/4	(14) 16d	(6) 16d	2850	7335	2065	5205
HGUS26-2	12	3 1/4	5 1/2	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS28-2	18	3 1/4	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS28-2	14	3 1/4	7 1/2	3	6 1/4	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS28-2	12	3 1/4	7 1/2	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS210-2	18	3 1/4	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS210-2	14	3 1/4	9 1/2	3	8	(30) 16d	(10) 16d	4670	9860	4235	7000
HGUS210-2	12	3 1/4	9 1/2	4	8 1/4	(46) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes											
HGUS26-3	12	4 1/4	5 1/2	4	4 1/4	(24) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/4	7 1/2	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-3	14	4 1/4	9	3	7 1/4	(30) 16d	(10) 16d	4670	9870	4235	6885
HGUS210-3	12	4 1/4	9 1/2	4	8 1/4	(46) 16d	(16) 16d	6840	14045	4855	10400
Quadruple 2x Sizes											
HGUS26-4	12	6 1/4	5 1/2	4	4 1/4	(24) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 1/4	7 1/2	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 1/4	9	3	7 1/4	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 1/4	9 1/2	4	8 1/4	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	8 1/4	10 1/2	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	8 1/4	12 1/2	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11645
4x Sizes											
LUS48	18	3 1/4	4 1/2	2	3 1/2	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS48	14	3 1/4	5 1/2	3	3 1/4	(14) 16d	(6) 16d	2540	7335	2065	5205
HGUS48	12	3 1/4	5 1/2	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 1/4	6 1/2	2	3 1/2	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS48	14	3 1/4	7 1/2	3	6 1/4	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS48	12	3 1/4	7 1/2	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 1/4	8 1/2	2	5 1/2	(8) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 1/4	9	4	8 1/4	(46) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 1/4	10 1/2	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS414	12	3 1/4	12 1/2	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11645



Plated Truss Connectors

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



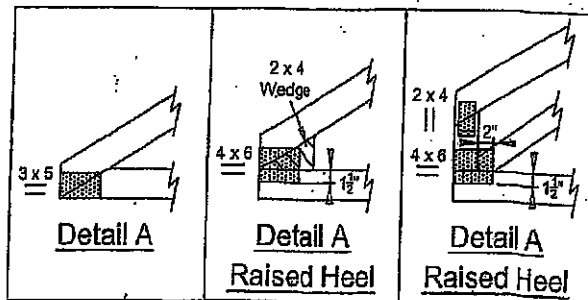
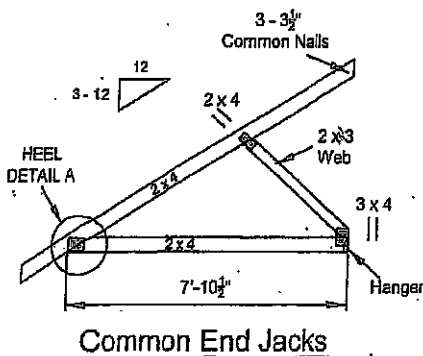
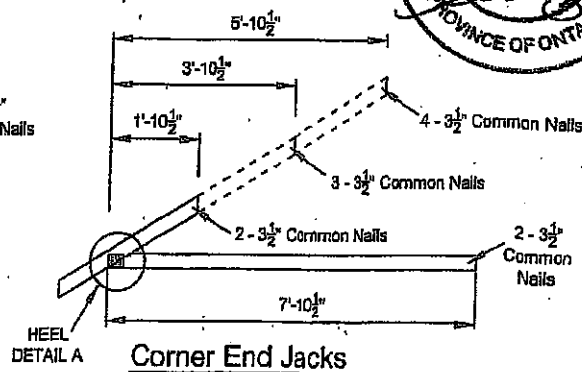
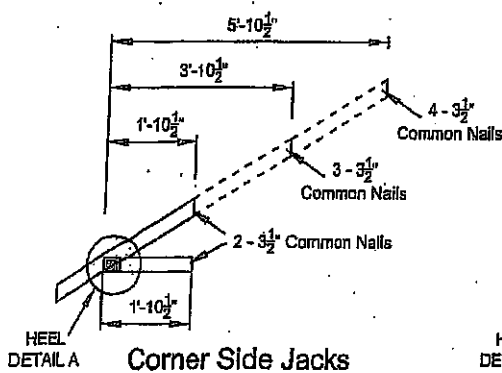
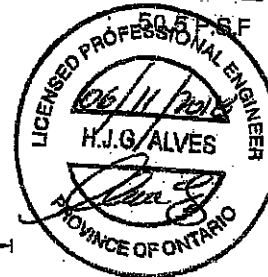
LUMBER SPECIFICATION

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

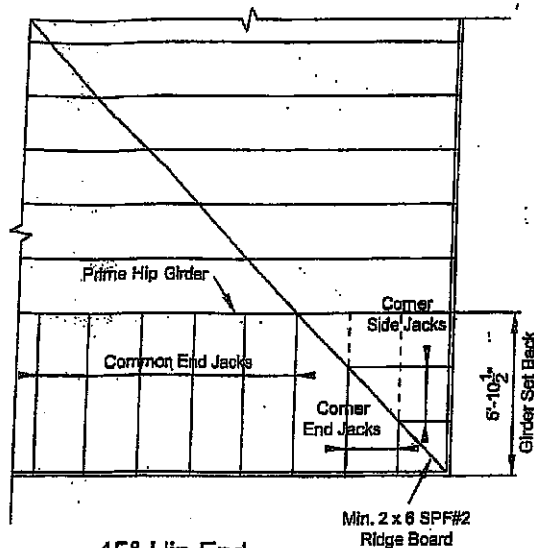
TOP CHORD SNOW LOAD : 40.5 P.S.F.
TOP CHORD DEAD LOAD : 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800217



45° Hip End

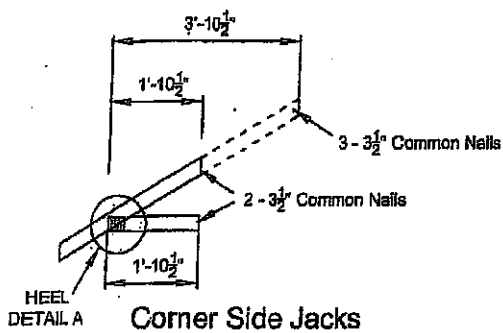
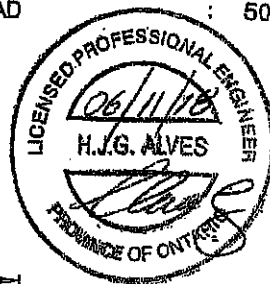
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

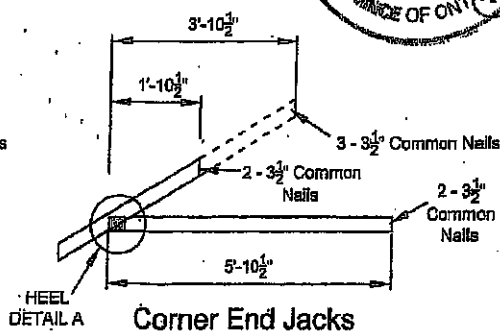
DESIGN LOAD

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.

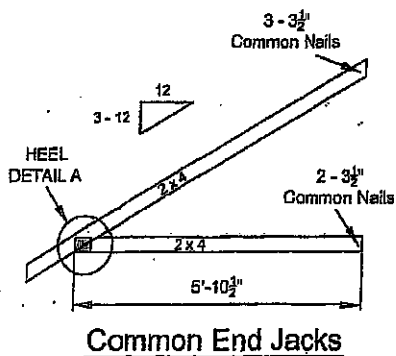
TOTAL LOAD : 50.5 P.S.F.



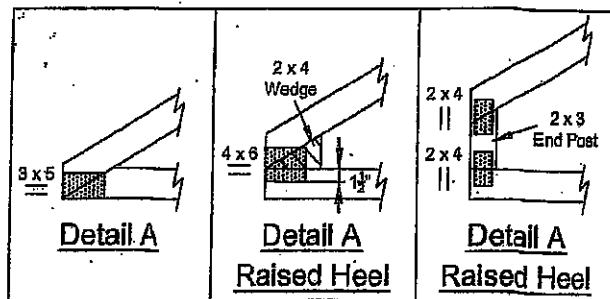
Corner Side Jacks



Corner End Jacks



Common End Jacks

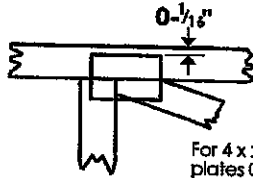
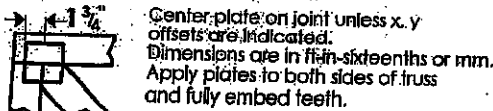


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800216

Symbols

PLATE LOCATION AND ORIENTATION



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



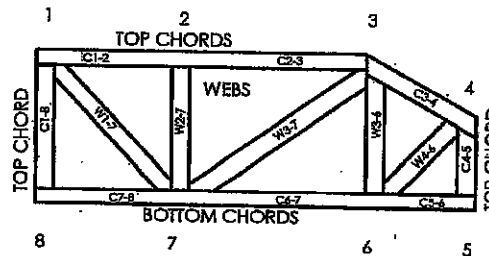
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
DSB-89: Design Standard for Bracing
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



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
POWER TO PERFORM.™

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.



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.

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