

CERTIFIED MODEL
PRE-APPROVED
FOR PERMIT APPLICATION AS PER THE
ONTARIO BUILDING CODE
TOWN OF CALEDON BUILDING DIVISION
REVIEWED BY JS SNEEL
DATE JULY 25/18
FILE # HORIZON 2 - ELEV 2

HORIZON 3E
TH 95-1 / 2
401779
20-10-00

HORIZON 2
TH 95-2 / 2
401780
22-03-12

HORIZON 2
TH 95-3 / 2
401781
22-03-12

HORIZON 3ES
TH 95-4 / 2
401782
21-04-00

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

HARDWARE:
LUS24 - (O)
LJS26DS - (V)
HGUS26-2 - (XX)

DENOTES
CONV.
FRAMING

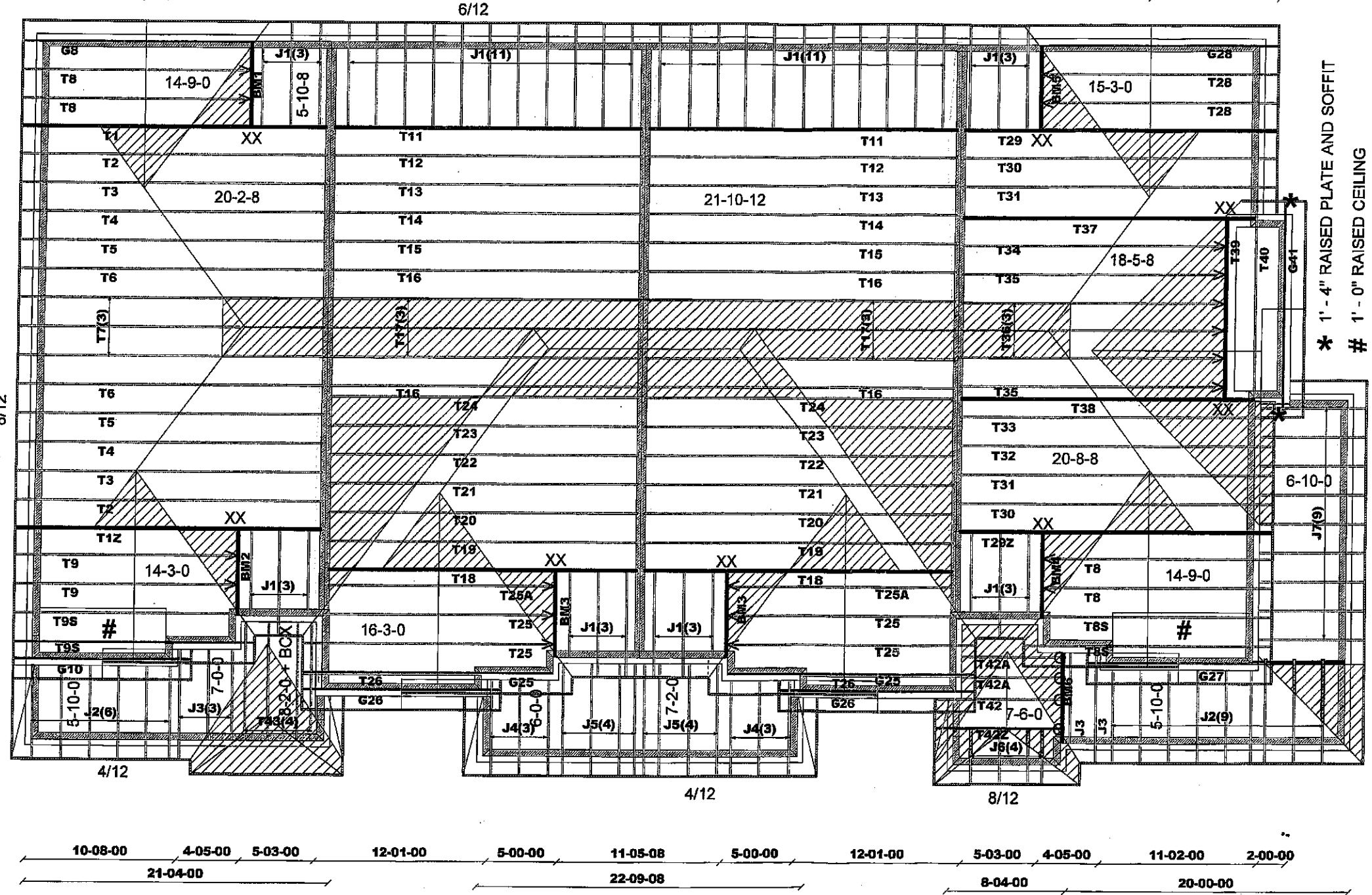
DESIGN CONFORMS
WITH O.B.C.2012 PART 9
DESIGN LOADS:
SNOW LOAD 29.02 PSF
TC DEAD 6 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

BM1 - BM6 = 2-2X10

RECEIVED
JUN 13 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO

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 6"
TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN
END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 8"

APPLICANT COPY



Job Track: 50033	Builder / Location: GREEN PARK HOMES / CALEDON	Model / Elevation: BLOCK 95 / TH95-1 - TH95-4	Milex ver 8.2.3.229
Plan Log: 200637	Project: LAMBERT LANE PH.2	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.	
Layout ID: 401769	Date: 3/8/2019	Sales: Mario DiCano	Designer: AC



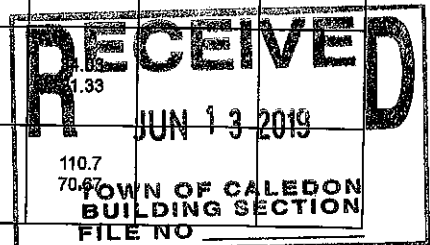
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-1 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401779
 Ref #
 Page: 1 of 2
 Date: 03/08/2019
 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	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	T12 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	329.86 208.00		
	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	G10 GABLE	8 / 12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	110.7 70.67		
	4	T43 Monopitch	4 / 12	8-02-00	3-00-10	2 x 4		3-15 3-00-10			



DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-1 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401779
 Ref #
 Page: 2 of 2
 Date: 03/08/2019
 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
	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	J2 Jack-Open	4 / 12	5-10-00	2-08-03	2 x 4	1-03-08	3-15 2-00-04	91.96 56.00		
	3	J3 Jack-Open	4 / 12	7-00-00	3-00-14	2 x 4	1-03-08	3-15 2-04-15	88.73 40.00		

TOTAL # TRUSS= 44

TOTAL BFT OF ALL TRUSSES= 1573.66

BFT.

TOTAL WEIGHT OF ALL TRSSES 2496.6 LBS

HARDWARE

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

TOTAL NUMBER OF ITEMS= 6



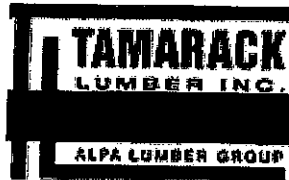
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-2 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401780
 Ref #
 Page: 1 of 2
 Date: 03/08/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T11 Flat Girder	0/12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 109.33		
	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		
	1	T15 Flat	0/12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	114.41 70.00		
	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 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	T19 Half Hip	8/12	21-10-12	5-01-04	2 x 4		1-07-02 5-01-04	89.94 56.33		
	1	T20 Half Hip	8/12	21-10-12	6-01-04	2 x 4		1-07-02 6-01-04	98.02 62.67		
	1	T21 Half Hip	8/12	21-10-12	7-01-04	2 x 4		1-07-02 7-01-04	97.25 61.83		
	1	T22 Half Hip	8/12	21-10-12	8-01-04	2 x 4		1-07-02 8-01-04	102.62 64.50		
	1	T23 Half Hip	8/12	21-10-12	9-01-04	2 x 4		1-07-02 9-01-04	108.04 67.17		
	1	T24 Half Hip	8/12	21-10-12	10-01-04	2 x 4		1-07-02 10-01-04	120.57 75.67		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-2 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401780
 Ref #
 Page: 2 of 2
 Date: 03/08/2019
 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	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	144.92 91.33		
	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		
	1	G25 GABLE	8 / 12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.69 46.17		
	1	T26 Common	8 / 12	11-03-00	5-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	46.73 29.83		
	1	G26 GABLE	8 / 12	11-03-00	5-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	49.01 31.83		
	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	J4 Jack-Open	4 / 12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	47.15 28.00		
	4	J5 Jack-Open	4 / 12	6-05-00	3-01-08	2 x 4	1-03-08	3-15 2-05-10	85.14 58.00		
TOTAL # TRUSS= 46 TOTAL BFT OF ALL TRUSSES= 1723.83 BFT. TOTAL WEIGHT OF ALL TRSSES 2763.12 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 95
 Lot #:
 Elevation: TH95-3 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401781
 Ref #
 Page: 1 of 2
 Date: 03/08/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T11 Flat Girder	0/12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 108.33		
	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		
	1	T15 Flat	0/12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	114.41 70.00		
	2	T16 Flat	0/12	21-10-12	9-01-04	2 x 4		9-01-04 9-01-04	241.79 148.87		
	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 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	T19 Half Hip	8/12	21-10-12	5-01-04	2 x 4		1-07-02 5-01-04	89.94 56.33		
	1	T20 Half Hip	8/12	21-10-12	6-01-04	2 x 4		1-07-02 6-01-04	98.02 62.67		
	1	T21 Half Hip	8/12	21-10-12	7-01-04	2 x 4		1-07-02 7-01-04	97.25 61.83		
	1	T22 Half Hip	8/12	21-10-12	8-01-04	2 x 4		1-07-02 8-01-04	102.52 64.50		
	1	T23 Half Hip	8/12	21-10-12	9-01-04	2 x 4		1-07-02 9-01-04	108.04 67.17		
	1	T24 Half Hip	8/12	21-10-12	10-01-04	2 x 4		1-07-02 10-01-04	120.57 75.67		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-3 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401781
 Ref #
 Page: 2 of 2
 Date: 03/08/2019
 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	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	144.92 91.33		
	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		
	1	G25 GABLE	8 /12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.89 46.17		
	1	T26 Common	8 /12	11-03-00	5-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	46.73 29.83		
	1	G26 GABLE	8 /12	11-03-00	5-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	49.01 31.83		
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	236.12 149.33		
	3	J4 Jack-Open	4 /12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	47.15 28.00		
	4	J5 Jack-Open	4 /12	6-05-00	3-01-08	2 x 4	1-03-08	3-15 2-05-10	85.14 58.00		

TOTAL # TRUSS= 46

TOTAL BFT OF ALL TRUSSES= 1723.83

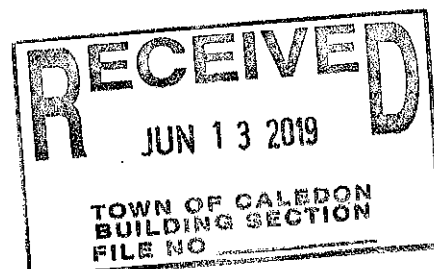
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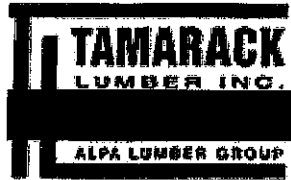
TOTAL WEIGHT OF ALL TRSSES 2763.12 LBS

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 95
 Lot #:
 Elevation: TH95-4 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401782
 Ref #
 Page: 1 of 3
 Date: 03/08/2019
 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	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		
	2	T8S Roof Special	8 / 12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 4-13	131.94 84.33		
	1	G27 GABLE	8 / 12	10-04-00	4-07-14	2 x 4	1-03-08 1-03-08	4-13 4-13	35.7 22.00		
	2	T28 Common	8 / 12	15-03-00	6-05-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	130.4 79.33		
	1	G28 GABLE	8 / 12	15-03-00	6-05-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	67.6 42.67		
	1 2-ply	T29 Half Hip Girder	8 / 12	20-08-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	199.48 127.33		
	1 2-ply	T29Z Half Hip Girder	8 / 12	20-08-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	199.48 127.33		
	2	T30 Half Hip	8 / 12	20-08-08	5-01-04	2 x 4	1-03-08	1-04-13 5-01-04	176.32 111.33		
	2	T31 Half Hip	8 / 12	20-08-08	6-01-04	2 x 4	1-03-08	1-04-13 6-01-04	192.48 119.67		
	1	T32 Half Hip	8 / 12	20-08-08	7-01-04	2 x 4	1-03-08	1-04-13 7-01-04	95.36 60.17		
	1	T33 Half Hip	8 / 12	20-08-08	8-01-04	2 x 4	1-03-08	1-04-13 8-01-04	100.76 63.17		
	1	T34 Half Hip	8 / 12	18-05-08	8-02-00	2 x 4		2-10-13 8-02-00	92.78 59.00		
	2	T35 Half Hip	8 / 12	18-05-08	9-02-00	2 x 4		2-10-13 9-02-00	202.04 128.67		
	3	T36 Half Hip	8 / 12	18-05-08	10-02-00	2 x 4		2-10-13 10-02-00	317.17 198.60		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 95
 Lot #:
 Elevation: TH95-4 / 2

Job Track: 50033
 PlanLog: 200637
 Layout ID: 401782
 Ref #
 Page: 2 of 3
 Date: 03/08/2019
 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	T37 Half Hip Girder	8 / 12	20-08-08	7-02-00	2 x 4 2 x 6		1-04-13 7-02-00	239.33 150.33		
	1 2-ply	T38 Half Hip Girder	8 / 12	20-08-08	8-08-08	2 x 4 2 x 6		1-04-13 8-08-08	237.1 145.67		
	1 2-ply	T39 Common Girder	8 / 12	12-04-00	9-01-12	2 x 4 2 x 6		3-00-13 7-00-00	152.14 98.00		
	1	T40 Common	8 / 12	12-04-00	7-09-12	2 x 4	1-03-08	1-08-13 5-08-00	81.81 40.00		
	1	G41 GABLE	8 / 12	12-04-00	5-10-02	2 x 4	1-03-08 1-03-08	1-08-13 1-08-13	56.35 37.67		
	1	T42 Common	6 / 12	7-06-00	2-10-03	2 x 4	1-03-08 1-03-08	6-12 6-12	24.55 15.67		
	2	T42A Common	6 / 12	6-11-00	2-10-03	2 x 4	1-03-08	6-12 10-04	50.52 33.00		
	1	T42Z Common Girder	6 / 12	7-06-00	2-10-03	2 x 4	1-03-08 1-03-08	6-12 6-12	24.55 15.67		
	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		
	9	J2 Jack-Open	4 / 12	5-10-00	2-08-03	2 x 4	1-03-08	3-15 2-00-04	137.94 84.00		
	2	J3 Jack-Open	4 / 12	7-00-00	3-00-14	2 x 4	1-03-08	3-15 2-04-15	44.49 26.67		
	4	J6 Jack-Open	8 / 12	2-05-08	2-10-03	2 x 4	1-03-08	9-10 2-05-04	34.27 24.00		
	9	J7 Jack-Open	4 / 12	6-01-00	3-00-03	2 x 4	1-03-08	3-15 2-04-04	183.01 118.50		

TOTAL # TRUSS= 66

TOTAL BFT OF ALL TRUSSES= 2154.68

BFT.

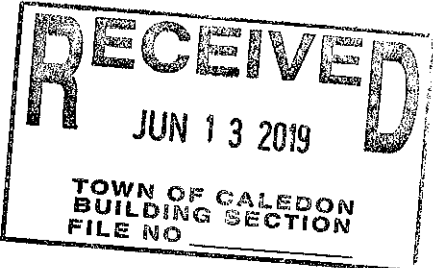
TOTAL WEIGHT OF ALL TRSSES 3414.98 LBS

DELIVERY SHIPLIST		
 TAMARACK LUMBER INC. ALPHA LUMBER GROUP	Lumber Yard: TAMARACK LUMBER Builder: GREEN PARK HOMES Project: LAMBERT LANE PH.2 Location: CALEDON Model: BLOCK 95 Lot #: Elevation: TH95-4 / 2	Job Track: 50033 PlanLog: 200637 Layout ID: 401782 Ref # Page: 3 of 3 Date: 03/08/2019 Designer: Andrew Conway Sales Rep: Mario DiCano

HARDWARE

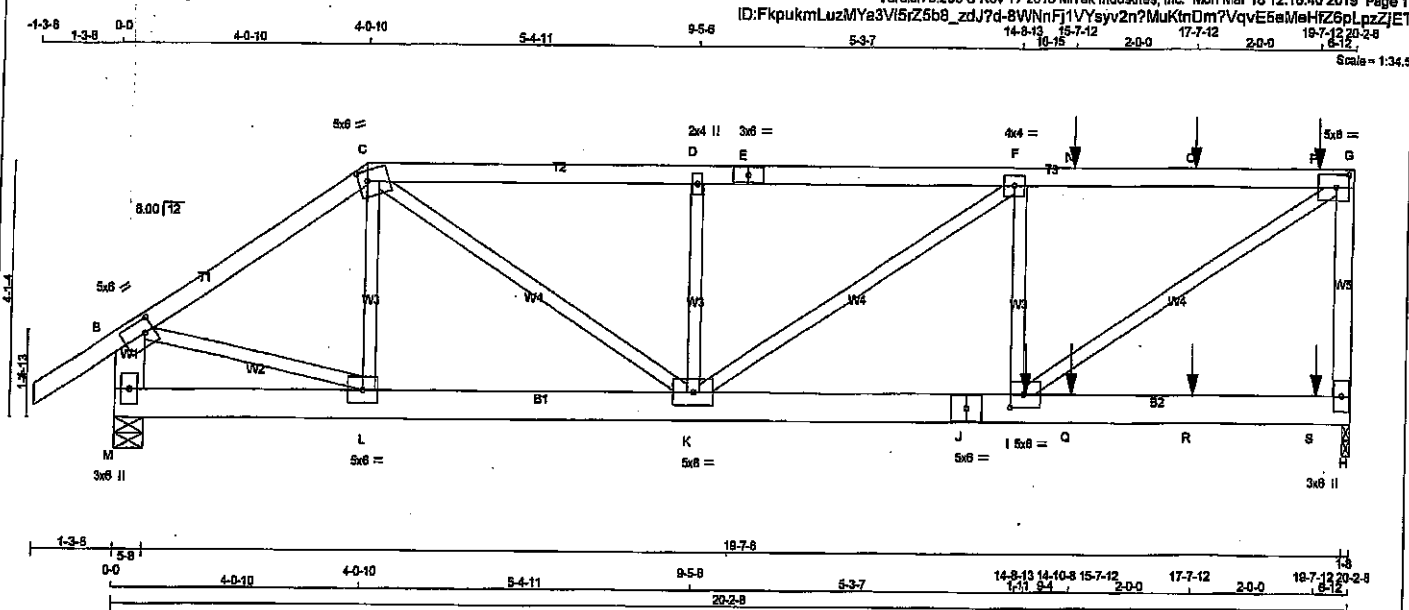
QTY	TYPE	MODEL	LENGTH
4	Hardware	LUS24	
10	Hardware	LJS26DS	
4	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 18



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:40 2019 Page 1
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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 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	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	TMW-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	TMW-1	MT20	4.0	4.0		
G	TMW-1	MT20	5.0	6.0	2.50	2.50
H	BMV1+p	MT20	3.0	8.0		
I	BMW-1	MT20	5.0	6.0	2.50	2.60
J	BS-1	MT20	5.0	6.0		
K	BMW-1	MT20	5.0	8.0		
L	BMW-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	REQD
JT	VERT	DOWN	UP	BRG
H	2828	0	0	1-8
M	1780	0	0	5-8

UNFACTORED REACTIONS	1ST LOASE	MAX./MIN. COMPONENT REACTIONS	PERMA	LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	0/0	0/0	0/0	552/0	0/0
H	1844	1293/0	0/0	0/0	0/0	364/0	0/0
M	1247	863/0	0/0	0/0	0/0	364/0	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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. LIVE (LBS)	MAX. WIND (LBS)	MAX. DEAD (LBS)	MAX. SOIL (LBS)
FR-TO							
A-B	0/39	-102.1	-102.1	0.08 (1)	10.00	L-C -285/0	0.03 (1)
B-C	-1860/0	-102.1	-102.1	0.18 (1)	8.18	B-L 0/1589	0.20 (1)
C-D	-2778/0	-102.1	-102.1	0.25 (1)	5.23	I-G 0/3735	0.46 (1)
D-E	-2778/0	-102.1	-102.1	0.36 (1)	5.07	C-K 0/1507	0.19 (1)
E-F	-2778/0	-102.1	-102.1	0.36 (1)	5.07	I-F -810/0	0.08 (1)
F-G	-3087/0	-102.1	-102.1	0.42 (1)	4.78	K-D -552/0	0.07 (1)
G-H	-3087/0	-102.1	-102.1	0.42 (1)	4.78	K-F -377/0	0.07 (1)
H-I	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
I-J	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
J-K	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
K-L	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
L-M	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
M-N	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
N-O	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
O-P	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
P-Q	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
Q-R	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
R-S	-3087/0	-102.1	-102.1	0.42 (1)	4.78		
S-H	-3087/0	-102.1	-102.1	0.42 (1)	4.78		

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL
JT	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	19-7-12	-29	-29			BACK	VERT	

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012
- CSA 088-09, CSA 089-14
- TPC 2011, TPC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.42/1.00 (F-G:1), BC=0.24/1.00 (I-K:1), WB=0.46/1.00 (G-I:1), SSI=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

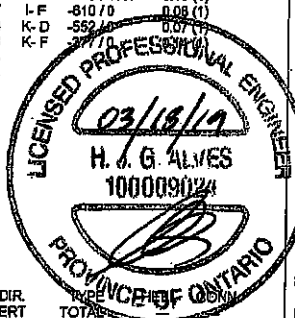
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667
	788	1987	1836

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.76 (G) (INPUT = 0.80)
JSI METAL = 0.39 (I) (INPUT = 1.00)



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JUN 13 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO

DRWG NO. TAM T1905352
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T1Z	1	2	TRUSS DESC.		

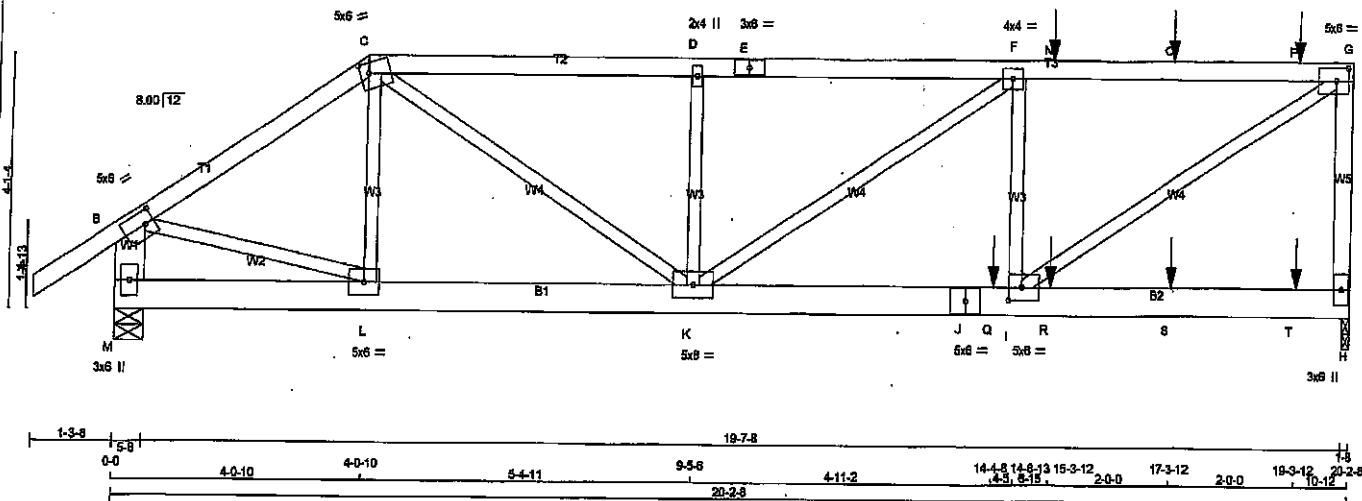
Tamarack Roof Truss, Burlington

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1-3-8 1-3-8 0-0 4-0-10 4-0-10 5-4-11 9-5-6 5-3-7 14-8-13 15-3-12 8-15 2-0-0 17-3-12 2-0-0 19-3-12 20-2-8 10-12

Scale = 1:34.5



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	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	SIDE(0.0)
G - H	12	TOP
M - B	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M - J	12	TOP
J - H	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
B TMVW-t	MT20	5.0	6.0	2.50	1.75
C TTVW-m	MT20	5.0	6.0	2.00	1.75
D TMW-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 SS-t	MT20	5.0	6.0		
K BMWVW-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	REQRD BRG
JT	VERT	DOWN	UP	IN-SX
H	2575	0	1-8	1-8
M	1810	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOASE	MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
H	1808	1266 / 0	0 / 0	0 / 0	540 / 0	0 / 0
M	1258	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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO
FR-TO				FR-TO		
A-B	0 / 39	-102.1 -102.1	0.08 (1)	10.00	L-C	-283 / 0
B-C	-1895 / 0	-102.1 -102.1	0.18 (1)	8.13	B-L	0 / 1818
C-D	-2875 / 0	-102.1 -102.1	0.25 (1)	5.18	I-G	0 / 3784
D-E	-2875 / 0	-102.1 -102.1	0.36 (1)	5.00	C-K	0 / 1590
E-F	-2875 / 0	-102.1 -102.1	0.38 (1)	5.00	I-F	0 / 1590
F-N	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-D	0 / 1590
N-O	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-D	0 / 1590
O-P	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-D	0 / 1590
P-G	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-D	0 / 1590
H-G	-2518 / 0	0.0 0.0	0.31 (1)	7.14	K-D	0 / 1590
M-B	-1779 / 0	0.0 0.0	0.08 (1)	7.81	K-D	0 / 1590
M-L	0 / 0	-17.5 -17.5	0.02 (4)	10.00		
L-K	0 / 1598	-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	-123	-123		FRONT	VERT	TOTAL		
S	17-3-12	-123	-123		FRONT	VERT	TOTAL		
T	19-3-12	-128	-128		FRONT	VERT	TOTAL		

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

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 BCSC 2018, OBC 2012
- CSA 085-09, CSA 085-14
- 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/899 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
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), SG=0.45/1.00 (I-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

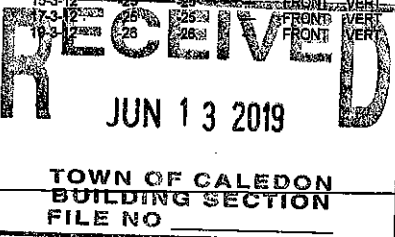
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1997 1656

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 77905353
STRUCTURAL
COMPONENT ONLY



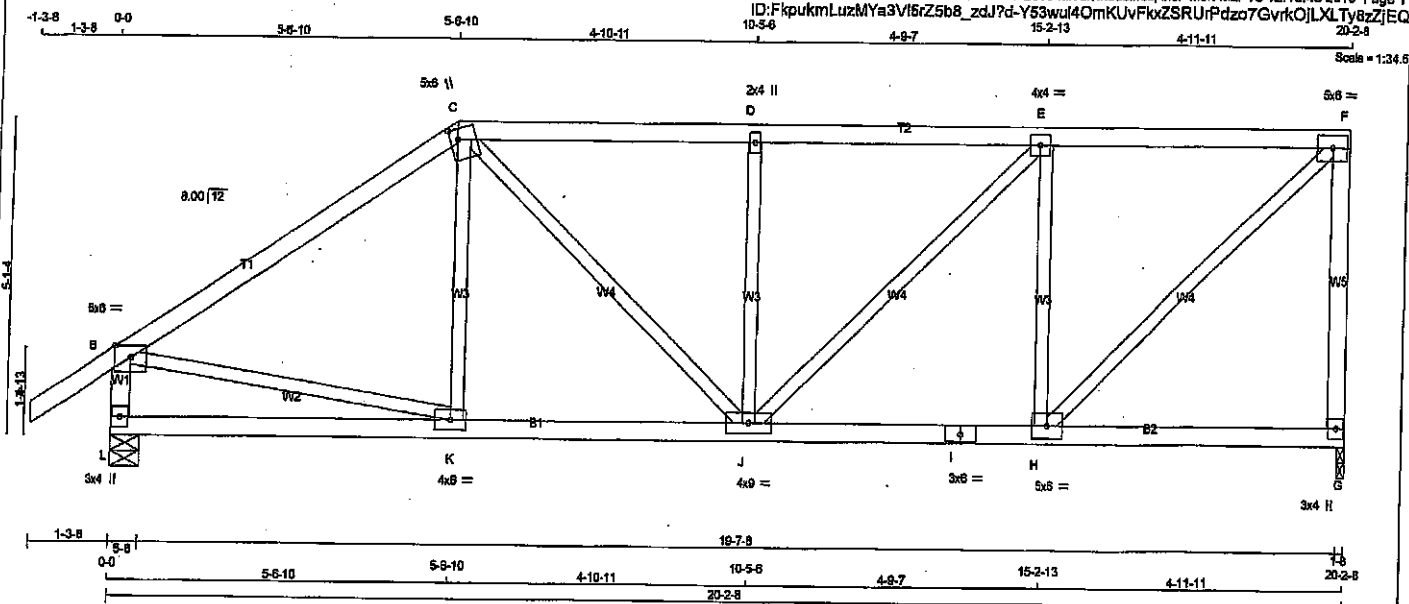
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T2	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:34.6



TOTAL WEIGHT = 2 X 87 = 173 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - 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 SPF

EXCEPT DRY, SEASONED LUMBER.

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

BUILDING DESIGNER											
<u>BEARINGS</u>											
		FACTORED		MAXIMUM FACTORED				INPUT		REQD	
		GROSS REACTION		GROSS REACTION				BRG		BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX		IN-SX		
G		1208	0	1208	0	0	1-8		1-8		
L		1348	0	1348	0	0	5-8		5-8		

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL
G	849 587 / 0 0 / 0 0 / 0 285 / 0 0 / 0
L	848 586 / 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 = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 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	-88 / 59	0.03 (1)
B-C	-1237 / 0	-102.1 -102.1	0.83 (1)	4.88	B-K	0 / 1047	0.24 (1)
C-D	-1317 / 0	-102.1 -102.1	0.35 (1)	5.20	H-F	0 / 1380	0.31 (1)
D-E	-1317 / 0	-102.1 -102.1	0.37 (1)	5.17	C-J	0 / 407	0.09 (1)
E-F	-959 / 0	-102.1 -102.1	0.35 (1)	5.76	H-E	-865 / 0	0.33 (1)
G-F	-1173 / 0	0.0 0.0	0.52 (1)	7.38	J-D	-534 / 0	0.21 (1)
L-B	-1308 / 0	0.0 0.0	0.13 (1)	7.05	J-E	0 / 451	0.10 (1)
L-K	0 / 0	-17.5 -17.5	0.12 (4)	10.00			
K-J	0 / 1026	-17.5 -17.5	0.23 (1)	10.00			
J-I	0 / 999	-17.5 -17.5	0.21 (1)	10.00			
I-H	0 / 999	-17.5 -17.5	0.21 (1)	10.00			
H-G	0 / 0	-17.5 -17.5	0.10 (4)	10.00			

PLATES (table is in inches)

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

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

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 086-09, 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 (0.67")
CALCULATED VERT. DEFL.(LL)= L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.67")
CALCULATED VERT. DEFL.(TL)= L/ 999 (0.08")

CSI: TC=0.83/1.00 (E-C:1), BC=0.23/1.00 (J-K:1),
WB=0.33/1.00 (E-H:1), SB=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.

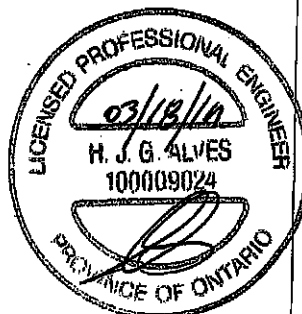
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PL)	SECTION (PL)
(PS)	(PS)	(PS)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1887 788 1987 1656	

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)



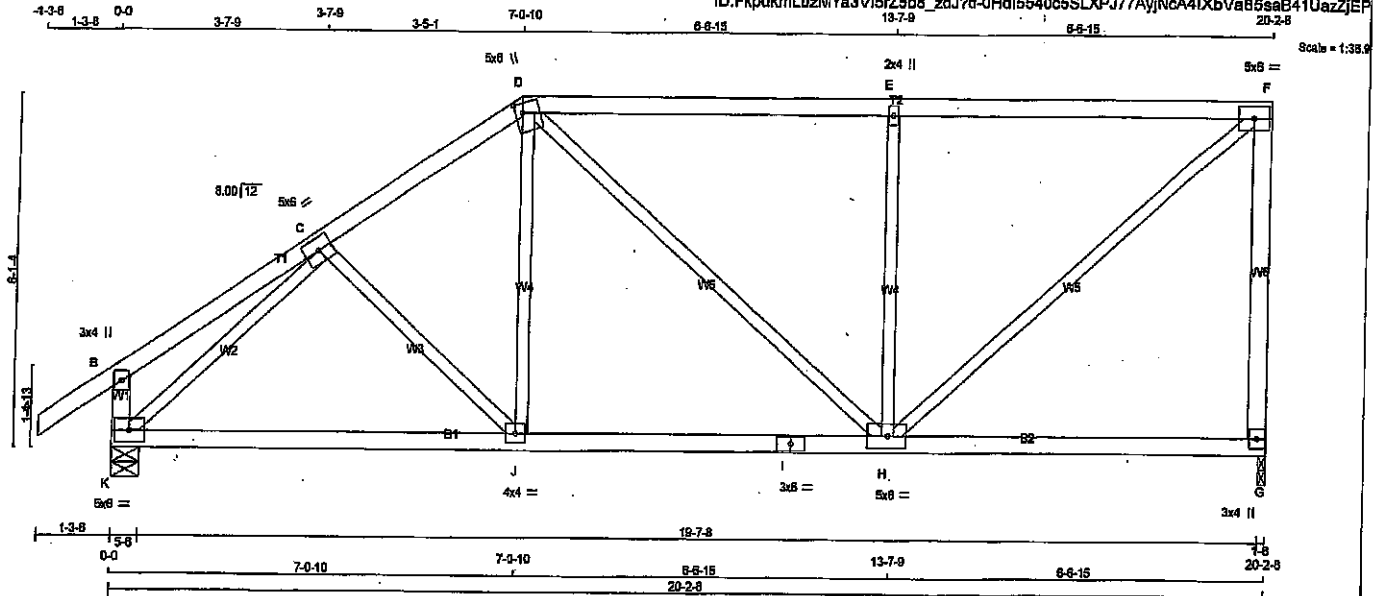
DRWG NO. TAM 7905354
STRUCTURAL
COMPONENT ONLY

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:FpkukmLuzMYa3V15rZ5b8_zdJ7d-0Hd15540c5SLXPJ77AyiNcA4IXbVaB5saB41UazZjEP



TOTAL WEIGHT = 2 X 87 = 174 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
K - B	2x4	DRY No.2
K - I	2x4	DRY No.2
I - G	2x4	DRY No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMWW+t	MT20	5.0	8.0		
D TTWW+m	MT20	5.0	8.0	2.00	1.50
E TMV+w	MT20	2.0	4.0		
F TMV+t	MT20	5.0	8.0		
G BMV1+p	MT20	3.0	4.0		
H BMVWW+t	MT20	5.0	8.0		
I BS-t	MT20	3.0	6.0		
J BMVW+t	MT20	4.0	4.0		
K BMVW1-t	MT20	5.0	8.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
G	1208	0	1208	0
K	1349	0	1349	0

UNFACTORED REACTIONS

	1ST CASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
G	849	587 / 0 0 / 0 0 / 0 0 / 0 263 / 0 0 / 0
K	946	688 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO		FROM TO	CSI (LC)	UNBRACED	FR-TO		
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	C-J	-105 / 16	0.04 (1)
B-C	0 / 22	-102.1 -102.1	0.19 (1)	10.00	J-D	0 / 204	0.05 (4)
C-D	-1188 / 0	-102.1 -102.1	0.22 (1)	5.60	D-H	0 / 76	0.02 (1)
D-E	-1029 / 0	-102.1 -102.1	0.82 (1)	4.81	H-E	-833 / 0	0.49 (1)
E-F	-1029 / 0	-102.1 -102.1	0.82 (1)	4.81	H-F	0 / 1369	0.31 (1)
F-G	-1160 / 0	0.0 0.0	0.84 (1)	7.39	K-C	-1458 / 0	0.56 (1)
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 / 972	-17.5 -17.5	0.27 (4)	10.00			
I-H	0 / 972	-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 = 8.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.0 PSF	
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. G.C.

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012
- CSA C88-09, CSA C88-14
- TPIC 2011, TPIC 2014

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

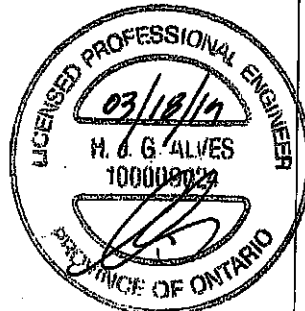
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1857 788	1857 1856

PLATE PLACEMENT TOL = 0.250 inches

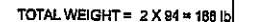
PLATE ROTATION TOL = 5.0 Deg.

SI GRIP= 0.73 (H) (INPUT = 0.50)
SI METAL= 0.35 (C) (INPUT = 1.00)



DRWG NO. TAM 71905355
STRUCTURAL
COMPONENT ONLY

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 12:18:45 2019 Page 1
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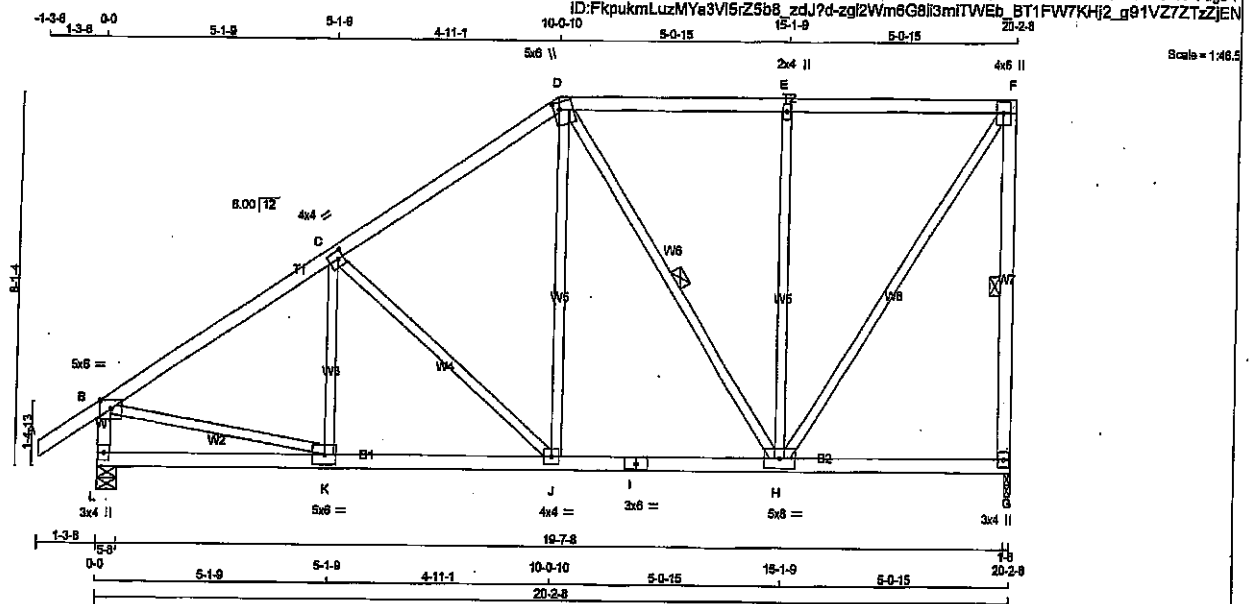


DWG NO. TAM **77905356**
STRUCTURAL
COMPONENT ONLY

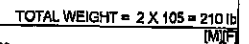
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T5	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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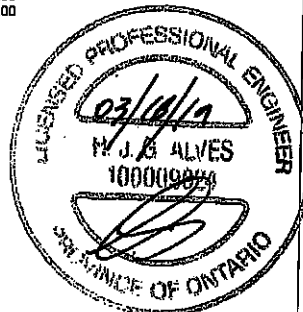
Version 8.230 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 12:18:48 2018 Page 1
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11-6-11 4-3-15 15-10-9 4-3-15 20-2-8
5x8 II
Scale = 1:51.8



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

CHORDS				WEBBS			
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			
A-B	0/38	-102.1	-102.1 0.14 (1)	10.00	K-C	-87/71	0.06 (1)
C-D	-1285/0	-102.1	-102.1 0.48 (1)	5.09	C-J	-560/0	0.06 (1)
D-E	-857/0	-102.1	-102.1 0.45 (1)	5.96	J-D	0/451	0.10 (1)
E-F	-497/0	-102.1	-102.1 0.24 (1)	6.25	D-H	-425/0	0.28 (1)
F-G	-498/0	-102.1	-102.1 0.34 (1)	6.25	H-E	-544/0	0.28 (1)
G-B	-1176/0	0.0	0.0 0.45 (1)	5.88	H-F	0/1120	0.25 (1)
B-F	-1308/0	0.0	0.0 0.13 (1)	7.08	B-K	0/1120	0.25 (1)
K-A	0/0	-17.5	-17.5 0.15 (4)	10.00			
J-I	0/1101	-17.5	-17.5 0.25 (1)	10.00			
I-H	0/884	-17.5	-17.5 0.15 (1)	10.00			
H-G	0/884	-17.5	-17.5 0.15 (1)	10.00			
G-F	0/0	-17.5	-17.5 0.07 (4)	10.00			

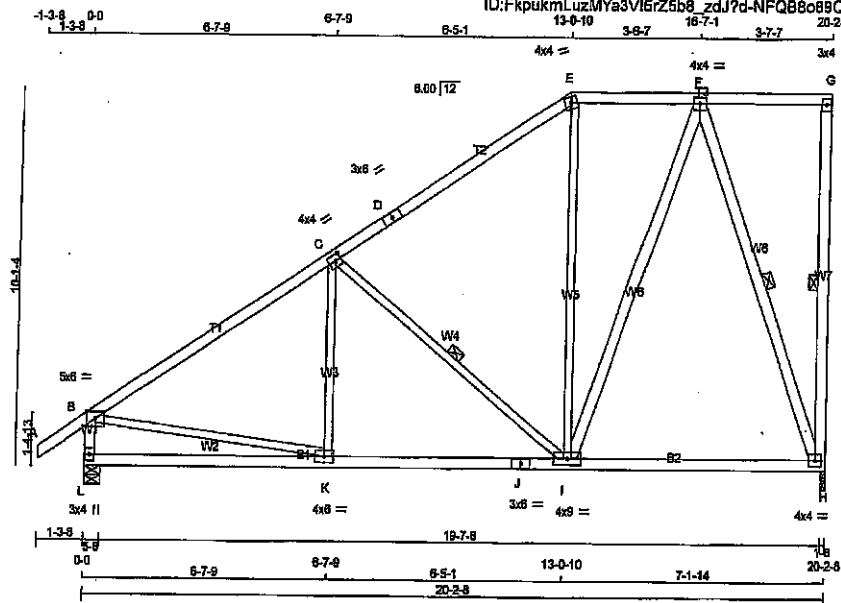
DWG NO. TAM 11905358
STRUCTURAL
COMPONENT ONLY



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T7	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:18:49 2019 Page 1
ID:FkpukmLuzMYa3Vl6rZ5b8_zdJ7d-NFQ88o89Qd5edAB4wJYu4gt_JYIUfOMbJTooAozZ[EK



Scale = 1:57.3

TOTAL WEIGHT = 3 X 110 = 330 lb
[M/F]

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 EXCEPT		2x3	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF	
F - H	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B 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	4.0		
G TMV-p	MT20	3.0	4.0		
H BMVW1-t	MT20	4.0	4.0		
I BMVW-t	MT20	4.0	9.0		
J BS-t	MT20	3.0	6.0		
K BMVW-t	MT20	4.0	6.0		
L 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 IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	1208	0	1208	0	1-8	1-8
H	1349	0	1349	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
H	849	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	946	686 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
		FROM	TO					
FR-TO								
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-56 / 85	0.03 (4)
B-C	-1262 / 0	-102.1	-102.1	0.63 (1)	4.85	C-I	-573 / 0	0.34 (1)
C-D	-736 / 0	-102.1	-102.1	0.58 (1)	8.02	I-E	0 / 57	0.02 (4)
D-E	-736 / 0	-102.1	-102.1	0.58 (1)	8.02	B-K	0 / 1102	0.25 (1)
E-F	-573 / 0	-102.1	-102.1	0.17 (1)	6.25	F-H	0 / 589	0.10 (1)
F-G	0 / 0	-102.1	-102.1	0.22 (1)	10.00			
H-G	-141 / 0	0.0	0.0	0.07 (1)	6.25			
L-B	-1300 / 0	0.0	0.0	0.13 (1)	7.08			
L-K	0 / 0	-17.5	-17.5	0.17 (4)	10.00			
K-J	0 / 1088	-17.5	-17.5	0.28 (1)	10.00			
J-I	0 / 1088	-17.5	-17.5	0.28 (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. O.C.

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 37.8 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 (0.08")

CS1: TC=0.83/1.00 (B-C-1), BC=0.29/1.00 (I-K-1), WB=0.62/1.00 (F-H-1), SS=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

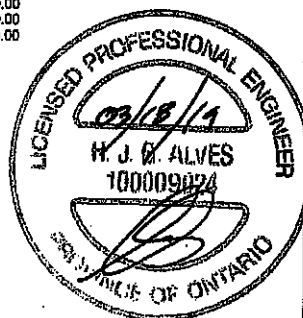
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.77 (B) (INPUT = 0.90)
JSI METAL= 0.86 (J) (INPUT = 1.00)



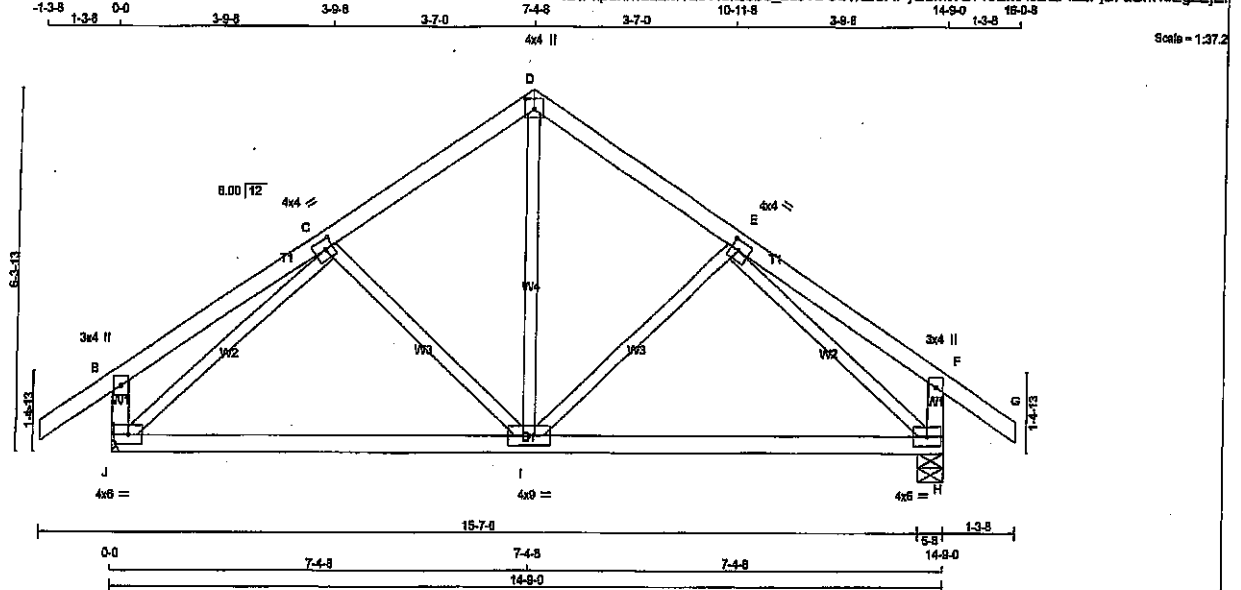
DRWG NO. TAM 71905359
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T8	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FpkukmLuzMYa3V16rZ5b8_zdJ7d-JdYxZUAPyELMTLT18aMA5zQALzPJL7uBnHuEgzZJEI



TOTAL WEIGHT = 4 X 63 = 252 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
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)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVWV-t	MT20	4.0	4.0	2.00	1.75
D TTW+p	MT20	4.0	4.0	2.25	2.00
E TMVWV-t	MT20	4.0	4.0	2.00	1.75
F TMV+p	MT20	3.0	4.0		
H BMVWV-t	MT20	4.0	6.0		
I BMVWV-t	MT20	4.0	9.0		
J BMVWV-t	MT20	4.0	6.0		

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

BEARINGS			MAXIMUM FACTORED			INPUT	REQD
GROSS REACTION			GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
	1022	0	1022	0	0	MECHANICAL	
H	1022	0	1022	0	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					
	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	716	508 / 0	0 / 0	0 / 0	208 / 0	0 / 0
H	716	508 / 0	0 / 0	0 / 0	208 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FORCE (LBS)	FACTORED MAX CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	I-D	0 / 458
B-C	0 / 24	-102.1	-102.1	0.22 (1)	10.00	I-E	-215 / 0
C-D	-898 / 0	-102.1	-102.1	0.17 (1)	6.25	C-I	-215 / 0
D-E	-898 / 0	-102.1	-102.1	0.17 (1)	6.25	J-C	-893 / 0
E-F	0 / 24	-102.1	-102.1	0.22 (1)	10.00	E-H	-893 / 0
F-G	0 / 39	-102.1	-102.1	0.14 (1)	10.00		
J-B	-285 / 0	0.0	0.0	0.03 (1)	7.81		
H-F	-285 / 0	0.0	0.0	0.03 (1)	7.81		
J-I	0 / 716	-17.5	-17.5	0.32 (4)	10.00		
I-H	0 / 716	-17.5	-17.5	0.32 (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. O.C.

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/998 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/998 (0.07")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

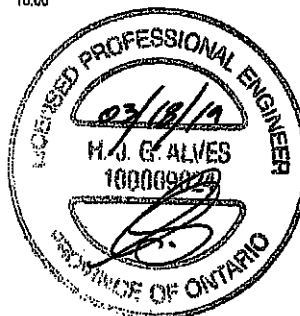
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.72 (C) (INPUT = 0.80)
JSI METAL= 0.35 (C) (INPUT = 1.00)



DRWG NO. TAM 71905360
STRUCTURAL
COMPONENT ONLY

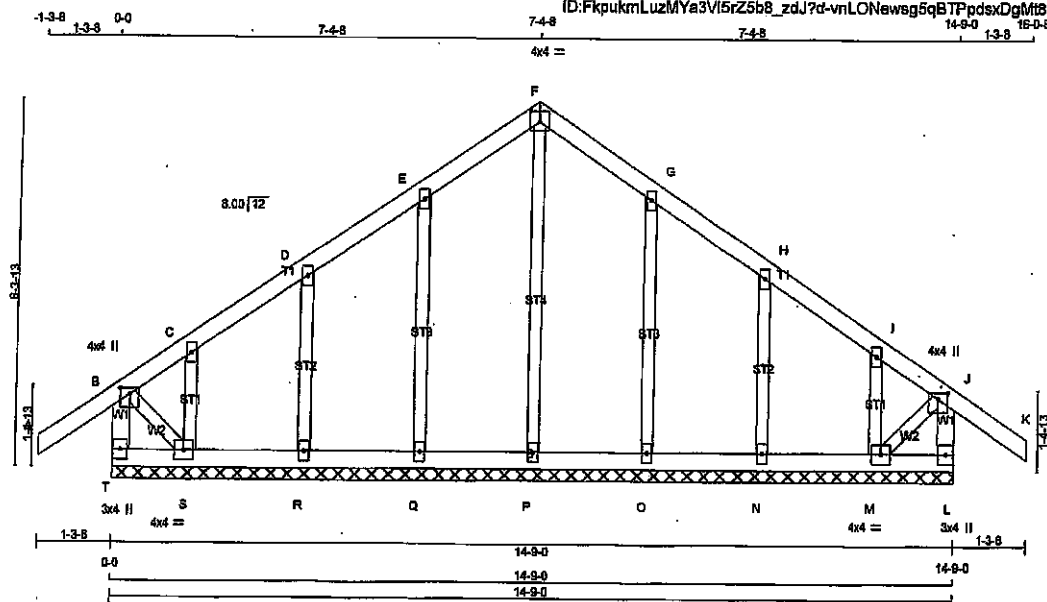
DWG NO. TAM 71905362
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401789	G8	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID: FkpukmLuzMYa3Vf5rZ5b8_zdJ?d-vnLONewsg5qBTPpdxDgM81VHDX1N4yagRrXqzZJEd



Scale = 1/32

TOTAL WEIGHT = 65 lb

LUMBER

N. L. G. A. RULES

CHORDS

T - B 2x4 DRY No.2

A - F 2x4 DRY No.2

F - K 2x4 DRY No.2

L - J 2x4 DRY No.2

T - L 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

ALL GABLE WEBS 2x3 DRY No.2

DRY; SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

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, D, E, G, H, I					
C TMW+w	MT20	2.0	4.0		
F TMVW+p	MT20	4.0	4.0	2.25	2.00
J TMVW+p	MT20	4.0	4.0	1.25	2.00
L BMV1+p	MT20	3.0	4.0		
M BMVW1-1	MT20	4.0	4.0		
N, O, P, Q, R					
N BMW1+w	MT20	2.0	4.0		
S BMVW1-1	MT20	4.0	4.0		
T BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
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)	8.25	R-D	-211 / 0	0.05 (1)	
C-D	-14 / 0	-102.1 -102.1 0.05 (1)	6.25	S-C	-88 / 0	0.01 (1)	
D-E	-13 / 0	-102.1 -102.1 0.06 (1)	6.25	O-G	-229 / 0	0.08 (1)	
E-F	-22 / 0	-102.1 -102.1 0.06 (1)	6.25	N-H	-211 / 0	0.05 (1)	
F-G	-22 / 0	-102.1 -102.1 0.06 (1)	6.25	M-I	-88 / 0	0.01 (1)	
G-H	-13 / 0	-102.1 -102.1 0.06 (1)	6.25	B-S	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 / 19	-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				
D-N	0 / 12	-17.5 -17.5 0.01 (4)	10.00				
N-M	0 / 16	-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

CL = 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, 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

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

(P8) (PL) (PL)

MAX MIN MAX MIN MAX MIN

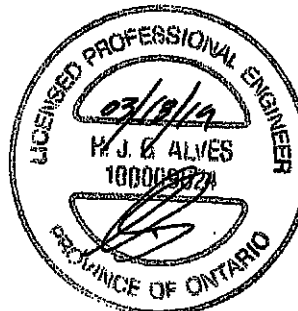
MT20 818 354 1657 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (J) (INPUT = 0.50)

JSI METAL= 0.12 (G) (INPUT = 1.00)



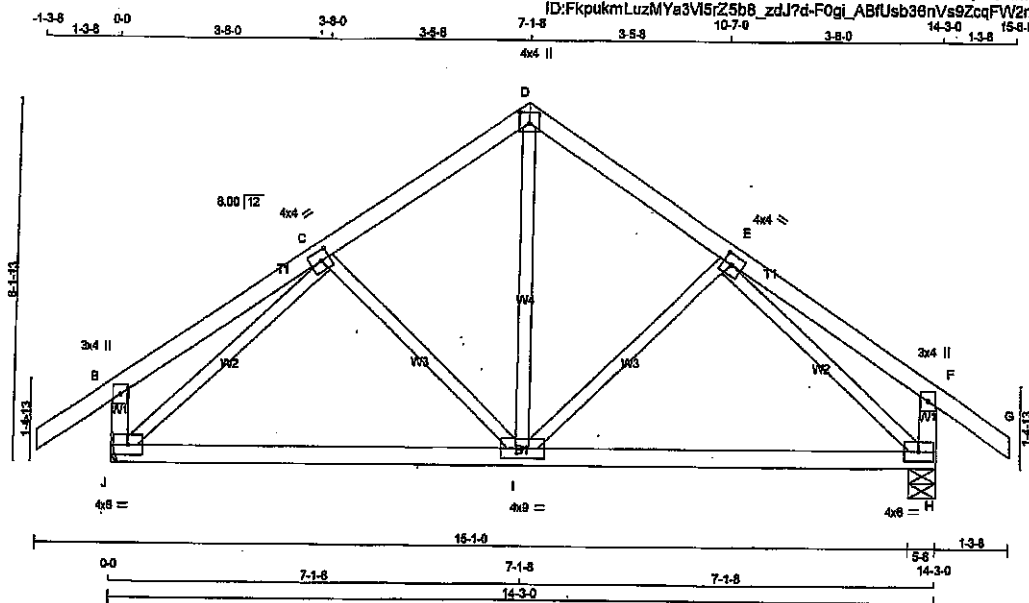
DWG NO. TAM 7905361
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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Scale = 1/32.3

TOTAL WEIGHT = 2 X 61 = 123 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - D 2x4 DRY

D - G 2x4 DRY

J - B 2x4 DRY

H - F 2x4 DRY

J - H 2x4 DRY

ALL WEBS 2x3 DRY

EXCEPT

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

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

BUILDING DESIGNER

BEARINGS

FACTORED

GROSS REACTION

JT VERT

J 992 0

H 992 0

MAXIMUM FACTORED

GROSS REACTION

DOWN

992 0

992 0

INPUT

BRG

IN-SX

0 0

5-8 5-8

REQD

BRG

IN-SX

0 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 LCASE

JT COMBINED

J 695 493 / 0

H 695 493 / 0

MAX/MIN. COMPONENT REACTIONS

LIVE

0 / 0

0 / 0

PERM. LIVE

0 / 0

0 / 0

0 / 0

WIND

0 / 0

0 / 0

0 / 0

DEAD

202 / 0

202 / 0

0 / 0

SOIL

0 / 0

0 / 0

0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 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)

FR-TO

A-B

0 / 39

B-C

0 / 23

C-D

-870 / 0

D-E

-870 / 0

E-F

0 / 23

F-G

0 / 39

J-B

-280 / 0

H-F

-280 / 0

J-I

0 / 684

I-H

0 / 684

FACTORED

VERT. LOAD

LC1

MAX

CS1 (LC)

FROM

TO

-102.1

-102.1

0.14 (1)

0.20 (1)

0.18 (1)

0.16 (1)

0.20 (1)

0.20 (1)

0.14 (1)

0.0

0.0

0.03 (1)

0.0

0.0

0.03 (1)

-17.5

-17.5

0.30 (4)

0.30 (4)

MAX.

UNBRAC

LENGTH

FR-TO

A-B

10.00

10.00

8.25

8.25

10.00

10.00

10.00

7.81

7.81

10.00

10.00

WEBS

MEMB.

MAX. FACTORED

FORCE

(LBS)

FR-TO

I-D

0 / 435

I-E

-203 / 0

O-I

-203 / 0

J-C

-954 / 0

E-H

-954 / 0

0.10 (1)

0.08 (1)

0.08 (1)

0.37 (1)

0.37 (1)

0.37 (1)

0.37 (1)

0.37 (1)

0.37 (1)

0.37 (1)

PLATES (table is in inches)

JT TYPE

PLATES

W

LEN

Y

X

B TMV+p MT20 3.0 4.0

C TMWW-1 MT20 4.0 4.0 2.00 1.75

D TTW+p MT20 4.0 4.0 2.25 2.00

E TMWW-1 MT20 4.0 4.0 2.00 1.75

F TMV+p MT20 3.0 4.0

H BMVW1-1 MT20 4.0 6.0

I BMVWW1-1 MT20 4.0 9.0

J BMVW1-1 MT20 4.0 6.0

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

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 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) = 1/320 (0.47")

CALCULATED VERT. DEFL.(LL) = 1/999 (0.02")

ALLOWABLE DEFL.(TL) = 1/320 (0.47")

CALCULATED VERT. DEFL.(TL) = 1/999 (0.06")

CSI: TC=0.20/1.00 (B-C:1), BC=0.30/1.00 (I-J:4),

WS=0.37/1.00 (C-I: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

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN

THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

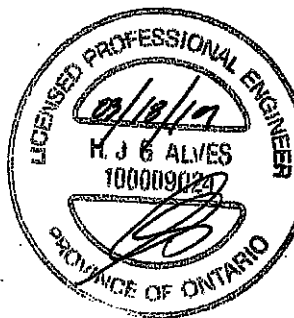
MT20 616 354 1667 768 1967 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

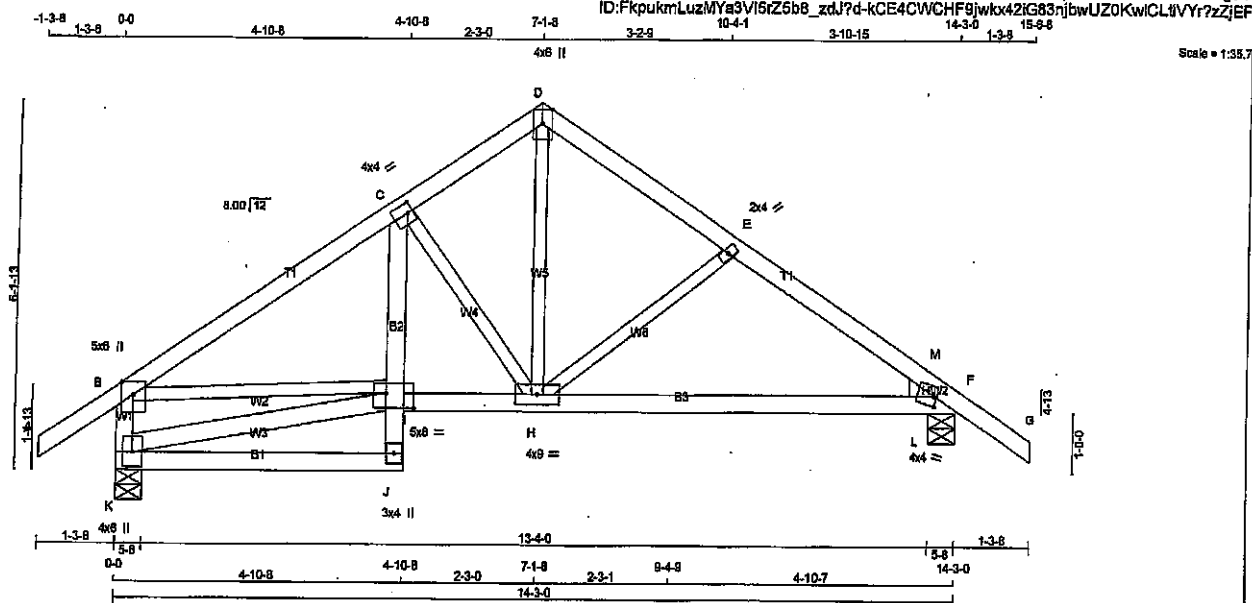
JSI GRIP= 0.70 (E) (INPUT = 0.90)

JSI METAL= 0.34 (C) (INPUT = 1.00)



DRWG NO. TAM 17905363
STRUCTURAL
COMPONENT ONLY

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LUMBER				LUMBER	
N. L. G. A. RULES					
CHORDS	SIZE				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 EXCEPT	2x3	DRY	No.2		SPF
K - I	2x4	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	Edgs	
C	TMWV-t	MT20	4.0	4.0	2.00	1.00
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMW-w	MT20	2.0	4.0		
F	TMH1-m	MT20	4.0	4.0	2.00	0.50
H	BMWVWV-t	MT20	4.0	9.0		
I	BVWVWV-I	MT20	5.0	8.0	3.00	5.60
J	BNV+p	MT20	3.0	4.0		
K	BMWV1+p	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

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
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					WEBS				
MEMB.	MAX. FACTORED (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	0/39	-102.1	-102.1	0.14 (1)	10.00	K-I	-21/0		
B-C	-1043/0	-102.1	-102.1	0.26 (1)	5.82	B-D	0/887		
C-D	-818/0	-102.1	-102.1	0.21 (1)	6.25	H-D	0/889		
D-E	-785/0	-102.1	-102.1	0.16 (1)	6.25	C-H	-421/0		
E-M	-1083/0	-102.1	-102.1	0.15 (1)	5.88	E-E	-372/0		
M-F	-1230/0	-102.1	-102.1	0.08 (4)	5.75	L-M	0/113		
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)	10.63				
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	0.18 (1)	10.00				

TOTAL WEIGHT = 2 X 64 = 128 lb

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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 8 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 (0.48")
CALCULATED VERT. DEFL(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL(TL) = L/ 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-L:1), SSI=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

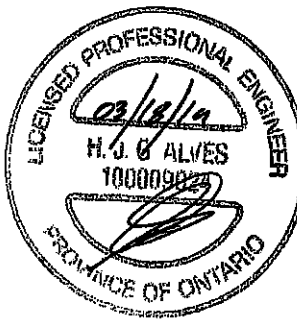
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP(DRY)		SHEAR		SECTION
	(PSI)		(FLI)		(FLI)
	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= 0.78 (F) (INPUT = 0.80)
JSI METAL= 0.47 (F) (INPUT = 1.00)

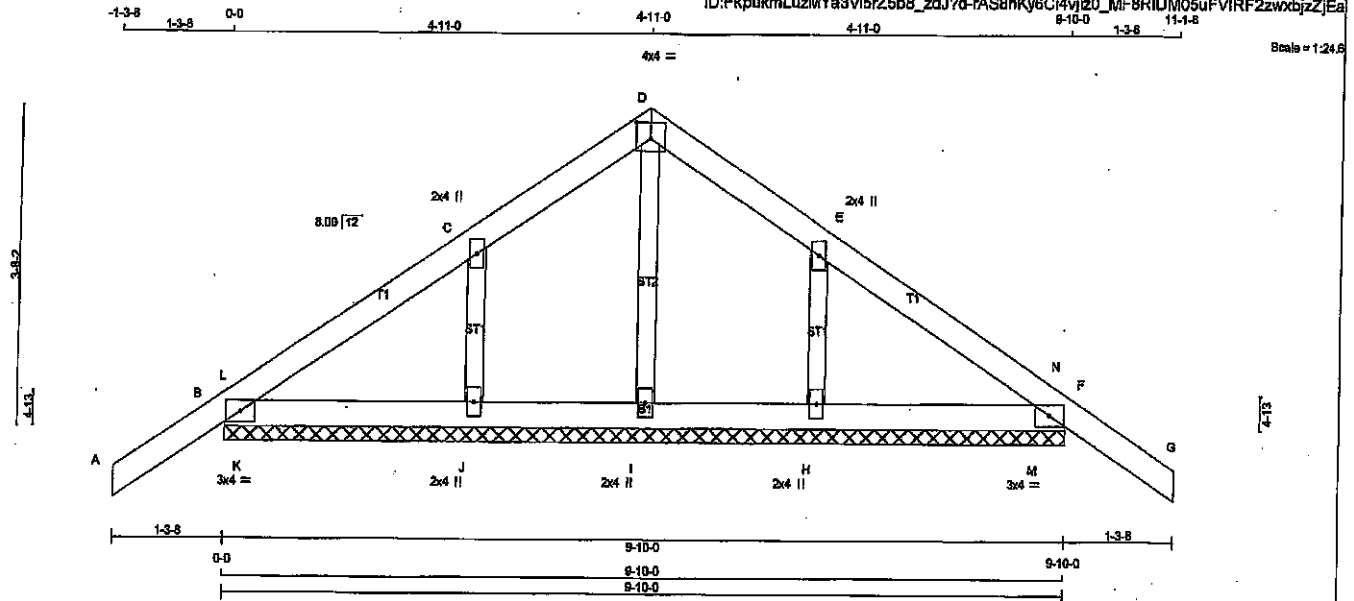


DWG NO. TAM 77905364
STRUCTURAL
COMPONENT ONLY

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:FkpukmLuzMYa3V15rZ5b8_zdJ7d-rASnKy6C14vjz0_MF8RIDM05uFVIRF2zwxjzJJa



TOTAL WEIGHT = 34 lb

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

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table in inches)	W	LEN	Y	X
JT TYPE				
B TMB1-I	MT20	3.0	4.0	
C TMB1-w	MT20	2.0	4.0	
D TTW-p	MT20	4.0	4.0	2.25 2.00
E TMB1-w	MT20	2.0	4.0	
F TMB1-I	MT20	3.0	4.0	
H, I, J				
H BMB1-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 = 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. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/36	-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)	8.25	J-C	-285/0	0.04 (1)
L-C	-55/0	-102.1 -102.1	0.09 (1)	8.25	H-E	-285/0	0.04 (1)
C-D	-71/0	-102.1 -102.1	0.08 (1)	8.25	K-L	-145/3	0.00 (1)
D-E	-71/0	-102.1 -102.1	0.09 (1)	8.25	M-N	-145/3	0.00 (1)
E-N	-55/0	-102.1 -102.1	0.08 (1)	8.25			
N-F	-50/0	-102.1 -102.1	0.01 (1)	8.25			
F-G	0/36	-102.1 -102.1	0.14 (1)	10.00			
B-K	0/56	-17.5 -17.5	0.08 (1)	10.00			
K-J	0/56	-17.5 -17.5	0.08 (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	0/56	-17.5 -17.5	0.08 (1)	10.00			
M-F	0/56	-17.5 -17.5	0.08 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 20.0 PSF
	DL = 8.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

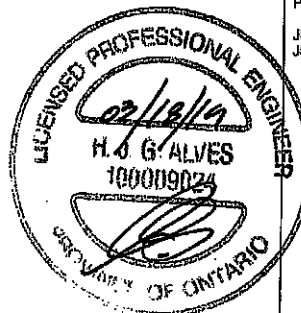
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MT20	618	354	1667
	768	1957	1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.26 (F) (INPUT = 0.90)
JSI METAL= 0.15 (C) (INPUT = 1.00)



DRWG NO. TAM 11905365
STRUCTURAL
COMPONENT ONLY

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CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T11	2	2	TRUSS DESC.		

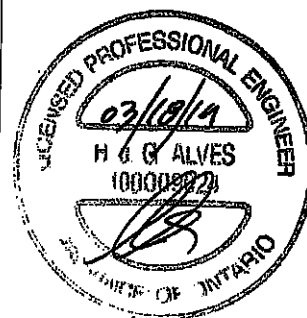
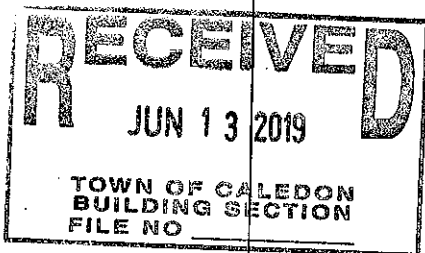
Tamarack Roof Truss, Burlington

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FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
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	-128	-128	—	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	-26	-26	—	BACK	VERT	TOTAL	—	—



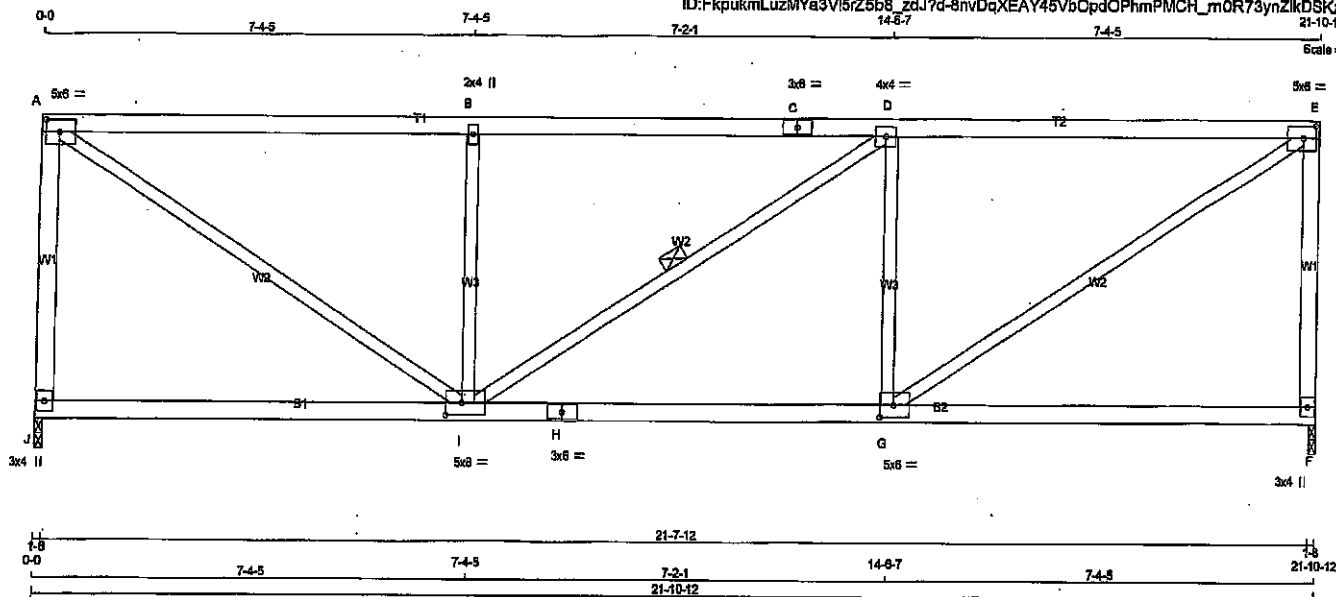
DWG NO. TAM *T1905366*
STRUCTURAL
COMPONENT ONLY *3/2*

JOB NAME 401769	TRUSS NAME T12	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:25.1



TOTAL WEIGHT = 2 X 88 = 176 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		
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	6.0	2.50	2.75
B	TMW-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

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	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 = 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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	FACTORED VERT. LOAD (LC1)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LC)		
FR-TO		FROM	TO		FR-TO				
J-A	-1256 / 0	0.0	0.0	0.55 (1)	7.17	G-E	0 / 1740	0.39 (1)	
A-B	-1455 / 0	-102.1	-102.1	0.89 (1)	3.98	A-I	0 / 1739	0.39 (1)	
B-C	-1455 / 0	-102.1	-102.1	0.89 (1)	3.98	G-D	-814 / 0	0.31 (1)	
C-D	-1455 / 0	-102.1	-102.1	0.89 (1)	3.98	I-B	-813 / 0	0.31 (1)	
D-E	-1457 / 0	-102.1	-102.1	0.89 (1)	3.98	I-D	-1 / 0	0.00 (1)	
F-E	-1256 / 0	0.0	0.0	0.55 (1)	7.17				
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00				
I-H	0 / 1457	-17.5	-17.5	0.35 (1)	10.00				
H-G	0 / 1457	-17.5	-17.5	0.35 (1)	10.00				
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.0 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, 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) = $L/360$ (0.73")
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=0.80/1.00 (D-E:1), BC=0.35/1.00 (G-I:1), WB=0.39/1.00 (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

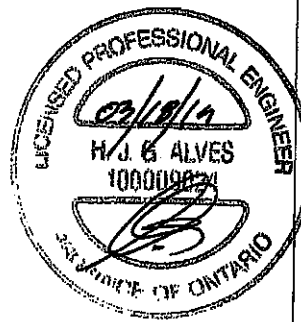
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
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.

SI GRIP= 0.76 (E) (INPUT = 0.90)
SI METAL= 0.41 (H) (INPUT = 1.00)

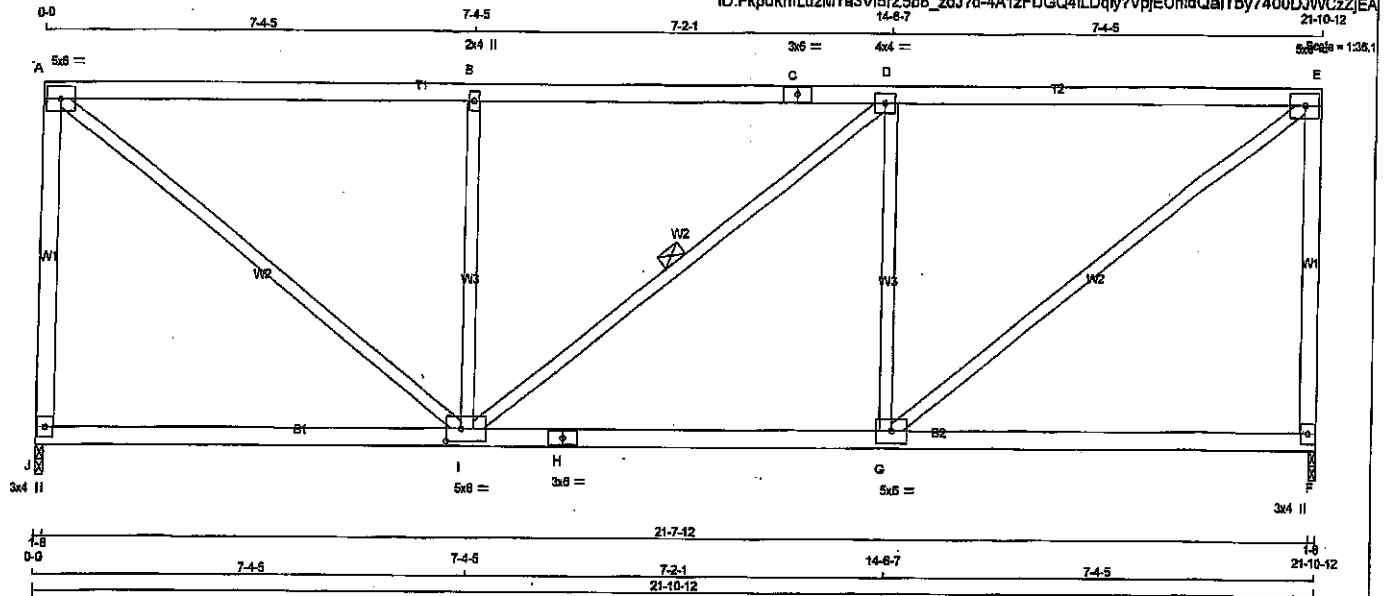


DRWG NO. TAM 77905367
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T13	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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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

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	BMVWW-t	MT20	5.0	8.0	2.50	3.00
J	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT	REQRD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG 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					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	636 / 0	0 / 0	0 / 0	0 / 0	265 / 0	0 / 0
F	920	636 / 0	0 / 0	0 / 0	0 / 0	265 / 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)

MEMB.	CHORDS				WEBS			
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 (LC)	MAX UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 (LC)	MAX UNBRACED LENGTH
FR-TO		FROM TO			FR-TO			
J-A	-1258 / 0	0.0	0.0	0.91 (1)	7.17	G-E	0 / 1538	0.35 (1)
A-B	-1208 / 0	-102.1	-102.1	0.88 (1)	4.35	A-I	0 / 1538	0.35 (1)
B-C	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	G-D	-814 / 0	0.48 (1)
C-D	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	I-B	-813 / 0	0.48 (1)
D-E	-1207 / 0	-102.1	-102.1	0.88 (1)	4.32	I-D	-2 / 0	0.00 (1)
E-F	-1256 / 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	0.21 (1)	10.00			
H-G	0 / 1207	-17.5	-17.5	0.21 (1)	10.00			
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. G/C

LOADING IN PLAT 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) = $L/999$ (0.06")
ALLOWABLE DEFL (TL) = $L/360$ (0.73")
CALCULATED VERT. DEFL (TL) = $L/999$ (0.12")

CSI: TC=0.91/1.00 (E-F:1), BC=0.31/1.00 (G-I:1), WB=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

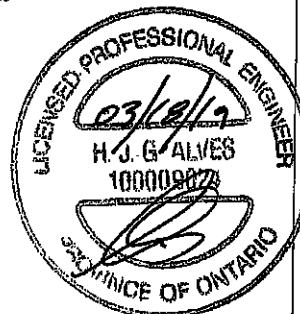
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

SI GRIP= 0.74 (E) (INPUT = 0.80)
SI METAL= 0.35 (H) (INPUT = 1.00)

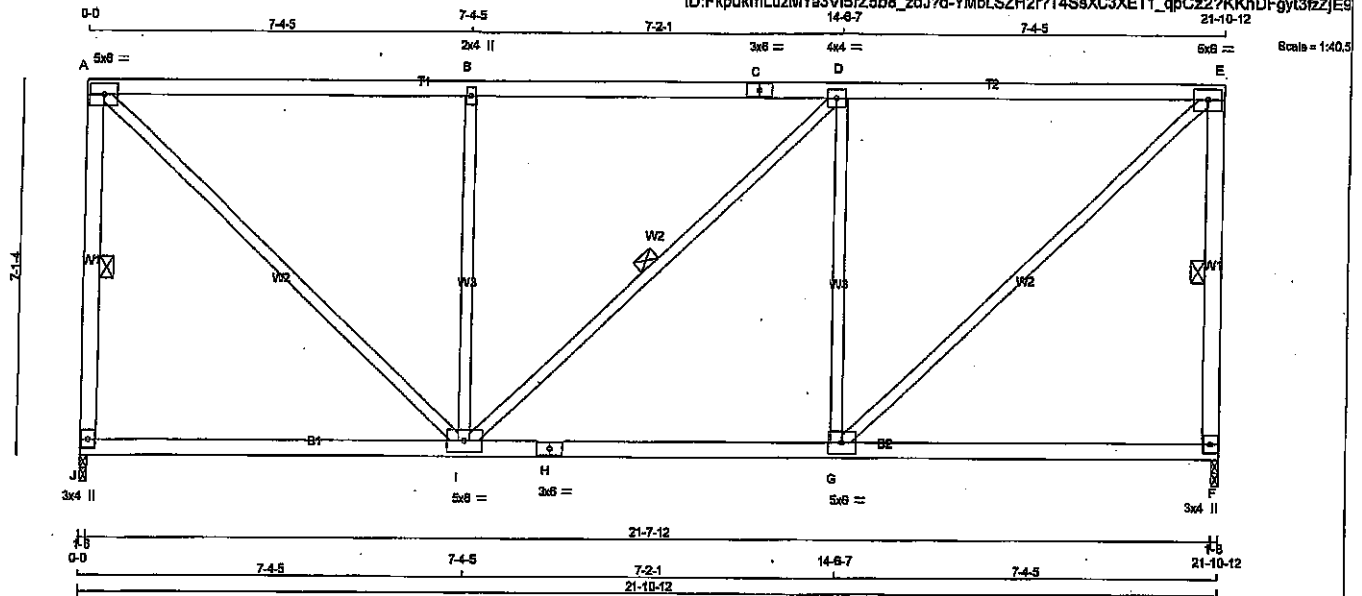


DRWG NO. TAM 17405361
STRUCTURAL
COMPONENT ONLY

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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21-10-12



TOTAL WEIGHT = 2 X 99 = 197 lb

LUMBER				DESCR.	
N. L. G. A. RULES	SIZE	LUMBER			
CHORDS					
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 - 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		
J	BMV1+p	MT20	3.0	4.0		

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

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

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

BRACING

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

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CSI (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)	
E-F	-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 = 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 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/380 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/380 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

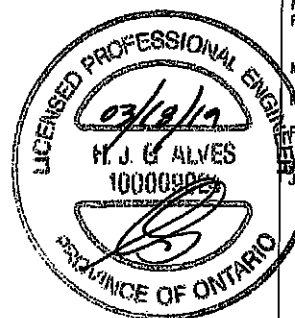
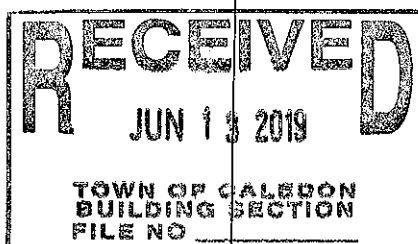
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1897 789 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

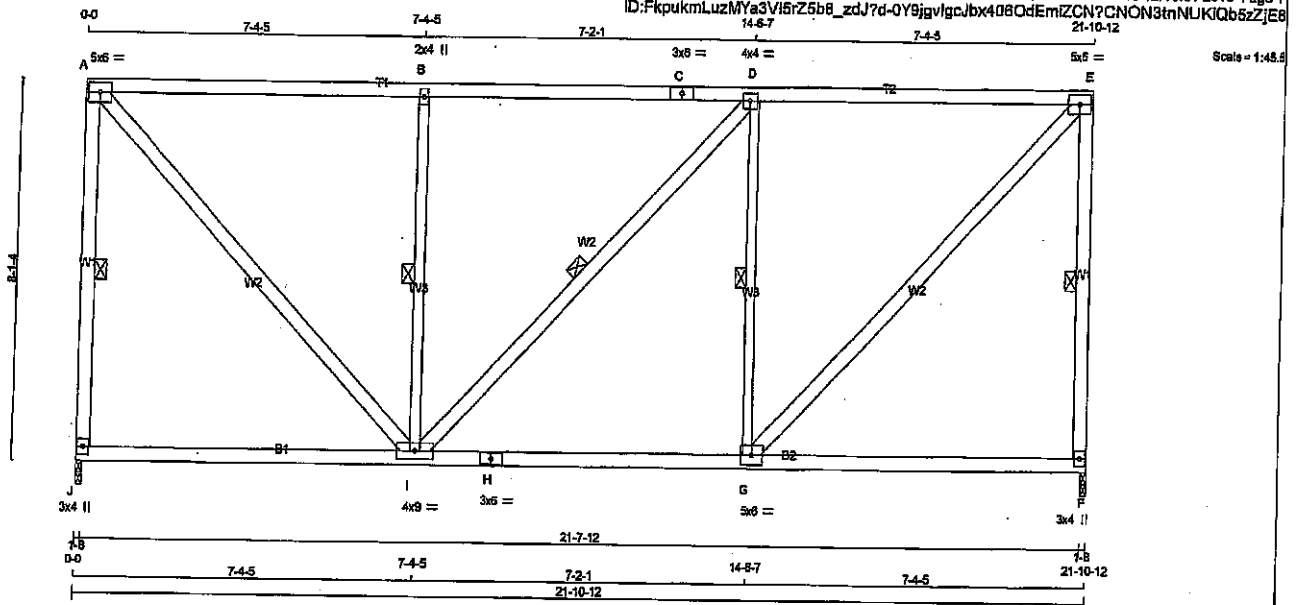
GRIP=0.75 (I) (INPUT = 0.90)
JS METAL = 0.31 (I) (INPUT = 1.00)



DRWG NO. TAM 1405369
STRUCTURAL
COMPONENT ONLY

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

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TOTAL WEIGHT = 2 X 114 = 229 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	2x4	DRY	No.2		
EXCEPT					
G - D	2x3	DRY	No.2		
I - B	2x3	DRY	No.2		

DRY: SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TMVW-t	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	4.0	9.0		
J	BMV1-p	MT20	3.0	4.0		

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

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

UNFACTORED REACTIONS

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBB				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)		
FR-TO		FROM TO		FR-TO					
J-A	-1258 / 0	0.0	0.0	0.37 (1)	5.74	G-E	0 / 1311		
A-B	-888 / 0	-102.1	-102.1	0.82 (1)	4.82	A-I	0 / 1309		
B-C	-888 / 0	-102.1	-102.1	0.82 (1)	4.90	G-D	-814 / 0		
C-D	-888 / 0	-102.1	-102.1	0.82 (1)	4.90	I-B	-814 / 0		
D-E	-888 / 0	-102.1	-102.1	0.82 (1)	4.88	I-D	-2 / 0		
E-F	-1257 / 0	0.0	0.0	0.37 (1)	5.74				
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00				
I-H	0 / 889	-17.5	-17.5	0.28 (4)	10.00				
H-G	0 / 889	-17.5	-17.5	0.28 (4)	10.00				
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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 D88-09, CSA D85-14
- 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) = $L/999$ (0.11")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

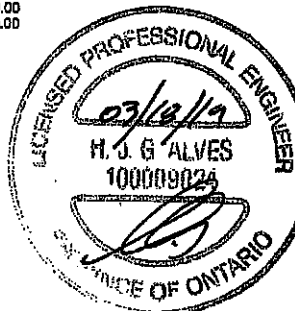
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1887 1686

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.76 (I) (INPUT = 0.80)
JSI METAL = 0.29 (I) (INPUT = 1.00)

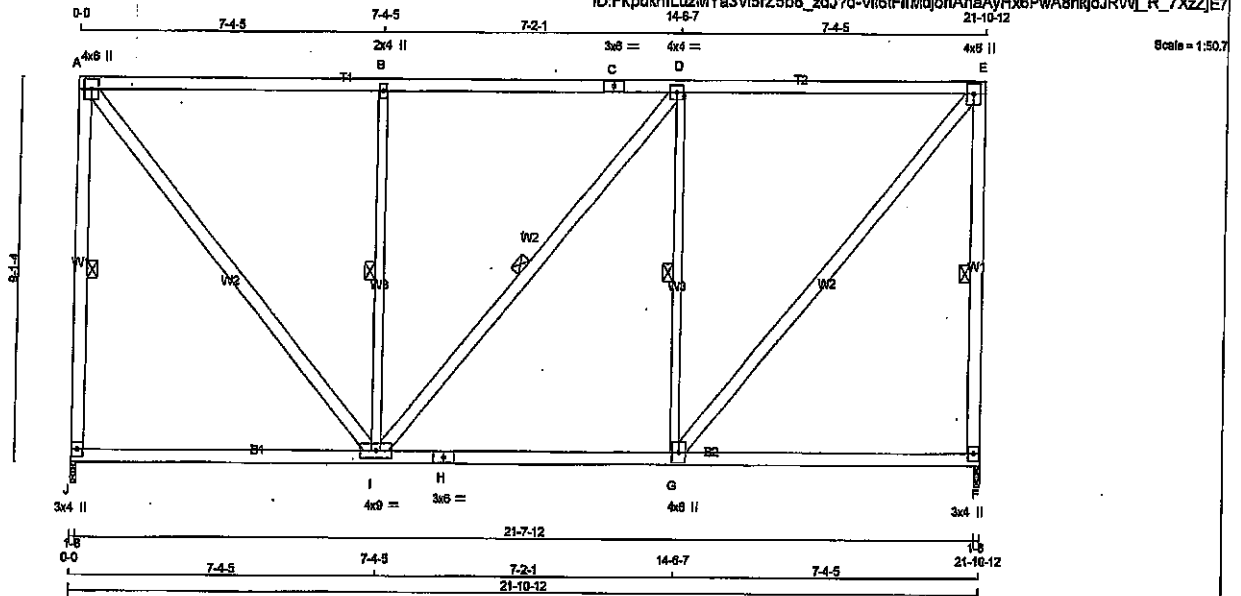


DRWG NO. TAM 7905370
STRUCTURAL
COMPONENT ONLY

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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TOTAL WEIGHT = 4 X 121 = 484 lb

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

DRY: SEASONED LUMBER.

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
J	1308	0	1308	0	0	1-8	1-8
F	1308	0	1308	0	0	1-8	1-8

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE
J	820	636 / 0	0 / 0
F	820	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 = 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-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
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
J-A	-1258 / 0	0.0	0.0	0.48 (1)	5.74	G-E	0 / 1243
A-B	-789 / 0	-102.1	-102.1	0.80 (1)	5.18	A-I	0 / 1242
B-C	-789 / 0	-102.1	-102.1	0.81 (1)	5.14	G-D	-814 / 0
C-D	-786 / 0	-102.1	-102.1	0.81 (1)	5.14	I-B	-814 / 0
D-E	-787 / 0	-102.1	-102.1	0.81 (1)	5.13	I-D	-2 / 0
F-E	-1257 / 0	0.0	0.0	0.48 (1)	5.74		
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00		
I-H	0 / 797	-17.5	-17.5	0.27 (4)	10.00		
H-G	0 / 797	-17.5	-17.5	0.27 (4)	10.00		
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00		

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMVW+p	MT20	4.0	8.0
B	TMVW+w	MT20	2.0	4.0
C	TS-1	MT20	3.0	6.0
D	TMVW-i	MT20	4.0	4.0
E	TMVW+p	MT20	4.0	6.0
F	BMVW+p	MT20	3.0	4.0
G	BMVW+i	MT20	4.0	6.0
H	BS-1	MT20	3.0	6.0
I	BMVWV+i	MT20	4.0	9.0
J	BMVW+p	MT20	3.0	4.0

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. GC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 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) = 1/360 (0.73")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = 1/360 (0.73")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.10")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

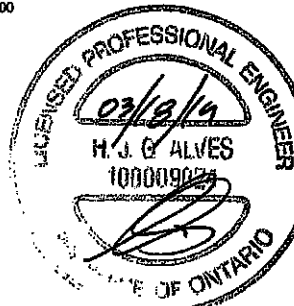
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

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)

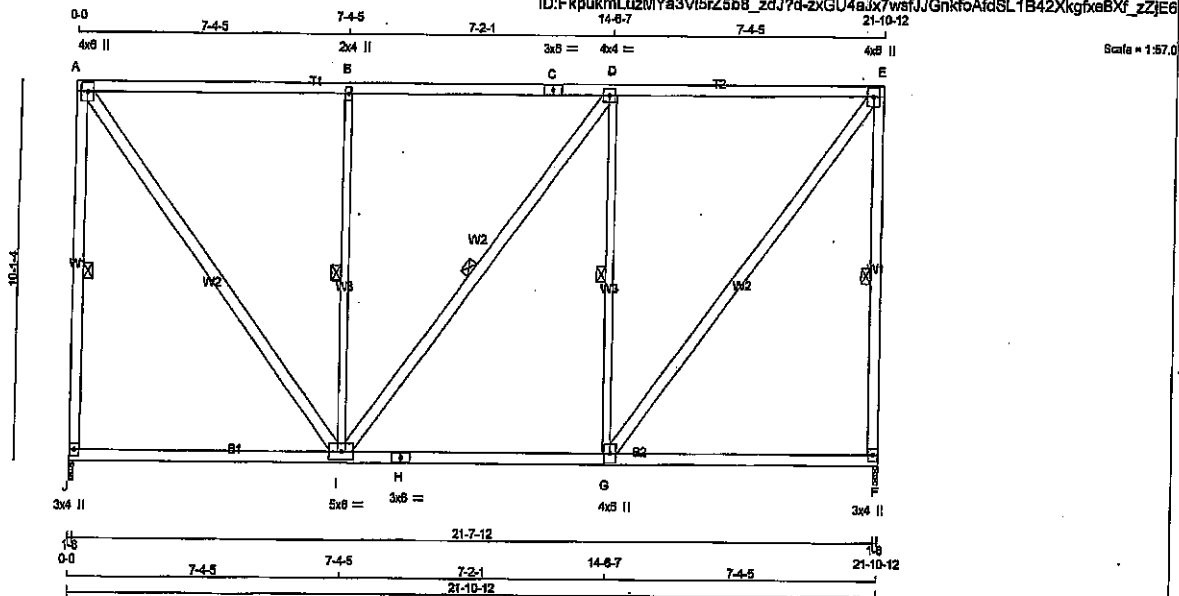


DRWG NO. TAM 77905371
STRUCTURAL
COMPONENT ONLY

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 - G	2x4	DRY	No.2
G - 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	TMW+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	BMVWV-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 GROSS REACTION	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1309	0	1309	0
F	1309	0	1309	0

UNFACTORED REACTIONS

1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	COMBINED					
J	920	636/0	0/0	0/0	285/0	0/0
F	920	636/0	0/0	0/0	285/0	0/0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO						FR-TO			
J-A	-1258/0	0.0	0.0	0.63 (1)	5.74	G-E	0/1183	0.19 (1)	
A-B	-715/0	-102.1	-102.1	0.79 (1)	5.40	A-I	0/1181	0.19 (1)	
B-C	-715/0	-102.1	-102.1	0.80 (1)	5.36	G-D	-814/0	0.57 (1)	
C-D	-715/0	-102.1	-102.1	0.80 (1)	5.36	I-B	-813/0	0.57 (1)	
D-E	-718/0	-102.1	-102.1	0.80 (1)	5.36	I-D	-2/0	0.00 (1)	
E-F	-1257/0	0.0	0.0	0.63 (1)	5.74				
J-I	0/0	-17.5	-17.5	0.21 (4)	10.00				
I-H	0/718	-17.5	-17.5	0.27 (4)	10.00				
H-G	0/718	-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 = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = $L/380$ (0.73")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/380$ (0.73")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.10")

CSI: TO=0.80/1.00 (D-E-1), BC=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

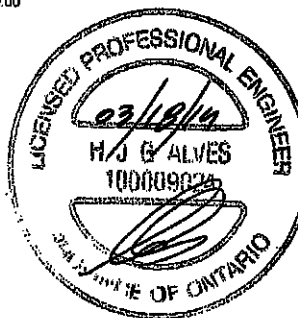
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.68 (E) (INPUT = 0.60)
JSI METAL=0.32 (E) (INPUT = 1.00)

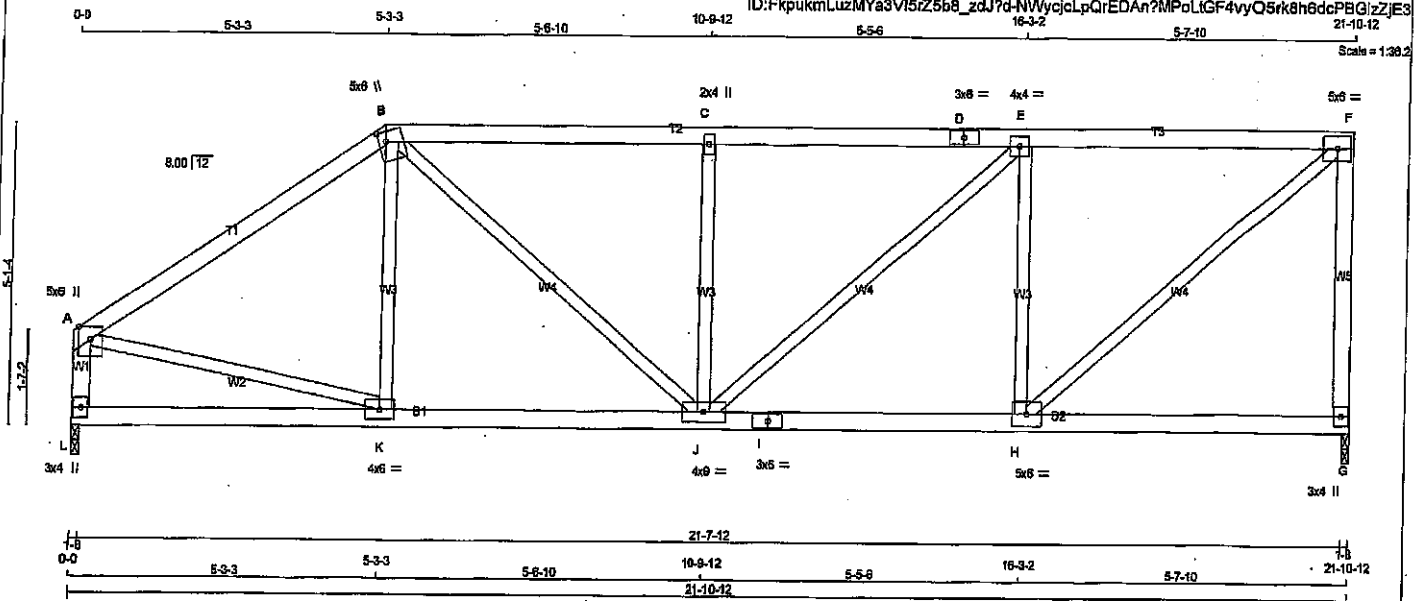


DWG NO. TAM 1705372
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T19	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 90 = 180 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF		
B - D	2x4	DRY	No.2	SPF		
D - 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	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	5.0	6.0	Edge	
B	TTWW+m	MT20	5.0	6.0	2.00	1.50
C	TMVW+w	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	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

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

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.66 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 FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)		
FR-TO		FROM TO			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)	4.89	A-K	0 / 1137	0.28 (1)	
C-D	-1555 / 0	-102.1	-102.1	0.50 (1)	4.66	H-F	0 / 1595	0.35 (1)	
D-E	-1555 / 0	-102.1	-102.1	0.50 (1)	4.68	B-J	0 / 598	0.13 (1)	
E-F	-1213 / 0	-102.1	-102.1	0.47 (1)	5.18	H-E	-825 / 0	0.36 (1)	
G-F	-1269 / 0	0.0	0.0	0.58 (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 / 457	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	0.28 (1)	10.00				
I-H	0 / 1213	-17.5	-17.5	0.28 (1)	10.00				
H-G	0 / 0	-17.5	-17.5	0.13 (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. O.C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/998 (0.08")
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=0.39/1.00 (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

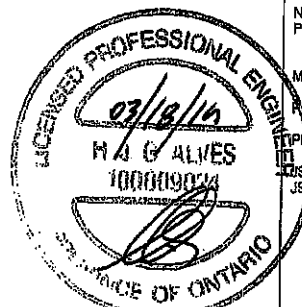
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 918 354 1667 788 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.82 (A) (INPUT = 0.90)
JS METAL= 0.64 (A) (INPUT = 1.00)

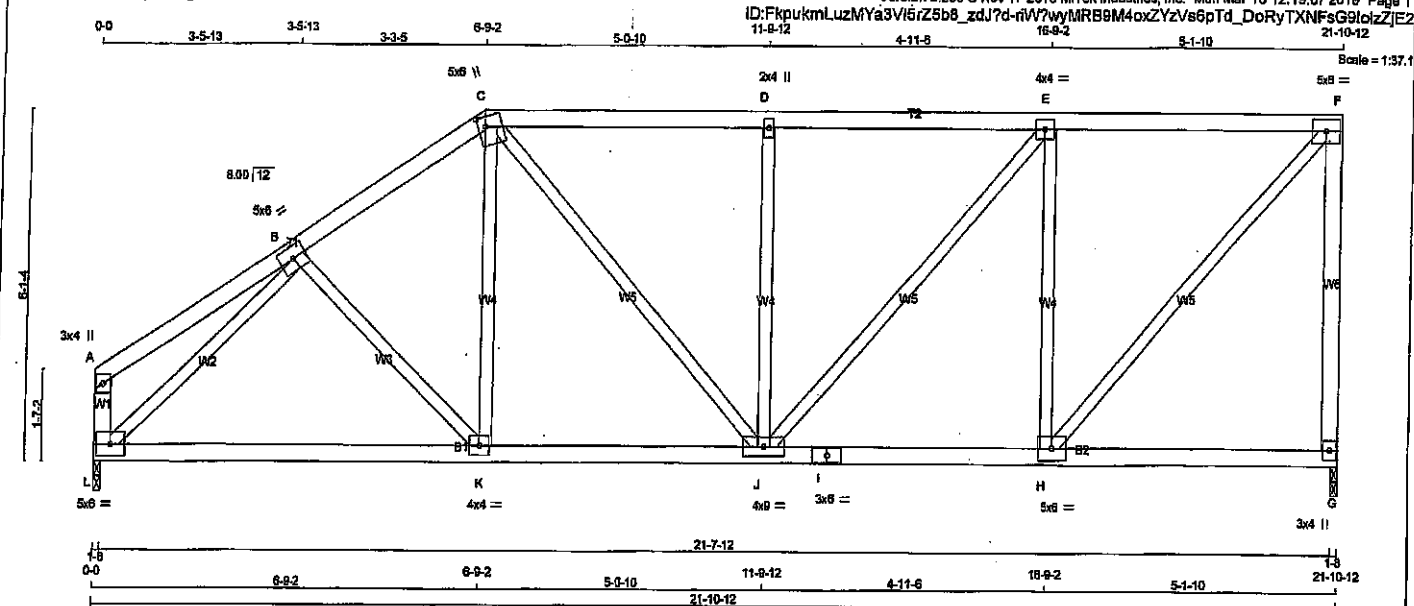


DWG NO. TAM T1905374
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 98 = 196 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 - H	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 - C	TMV+p	MT20	3.0	4.0		
B - D	TMVW-t	MT20	3.0	6.0		
C - E	TTWW+m	MT20	5.0	6.0	2.00	1.50
D - F	TMVW-t	MT20	2.0	4.0		
E - H	TMVW-t	MT20	4.0	4.0		
F - I	TMVW-t	MT20	5.0	6.0		
G - J	BMV1+p	MT20	3.0	4.0		
H - K	BMVW-t	MT20	5.0	6.0		
I - L	BS-t	MT20	3.0	6.0		
J - M	BMVW-t	MT20	4.0	9.0		
K - N	BMVW-t	MT20	4.0	4.0		
L - O	BMVW-t	MT20	5.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	JT VERT	IN-SX	IN-SX	
G	1309 0	1309 0	0	1-8
L	1309 0	1309 0	0	1-8

UNFACTORED REACTIONS							
1ST LCASE		MAX / MIN, COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SO
G	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 /
L	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 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 (PLF)	MAX. LC1 MAX (PLF)	MAX. UNBRAC (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 MAX (PLF)
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH	FR-TO
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 / 136	0.04 (4)
C-D	-1269 / 0	-102.1	-102.1	0.37 (1)	5.24	L-B	-1567 / 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	0.38 (1)	5.88	C-J	0 / 305	0.07 (1)
G-F	-1273 / 0	0.0	0.0	0.92 (1)	7.14	H-E	-957 / 0	0.59 (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 / 1059	-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 = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. G.C

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

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

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

(55 % CF 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) = 1/998 (0.05")
ALLOWABLE DEFL. (TL) = 1/360 (0.73")
CALCULATED VERT. DEFL. (TL) = 1/598 (0.09")

CS: TO=0.92/1.00 (F-G-1), BC=0.27/1.00 (K-L-1), WB=0.59/1.00 (B-L-1), SB=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 (PLI)	SECTION (PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1667 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (H) (INPUT = 0.90)
JSI METAL= 0.38 (B) (INPUT = 1.00)



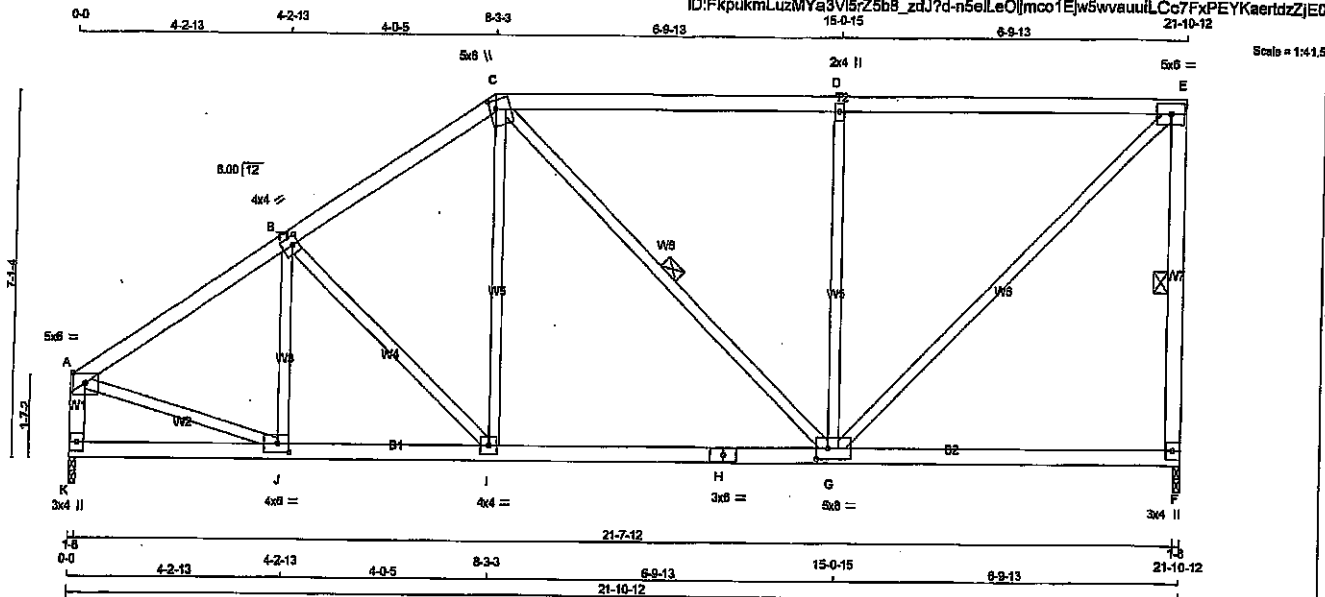
DRWG NO. TAM 17405375
STRUCTURAL
COMPONENT ONLY

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 97 = 195 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		
K - A	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	5.0	6.0	Edge
B	TMVW-t	MT20	4.0	4.0	2.00 1.50
C	TTWW-m	MT20	5.0	6.0	2.00 1.50
D	TMVW-w	MT20	2.0	4.0	
E	TMVW-p	MT20	5.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW-t	MT20	5.0	6.0	2.50 2.50
H	BS-t	MT20	3.0	6.0	
I	BMVW-t	MT20	4.0	4.0	
J	BMVW-t	MT20	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

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
F	820	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
K	820	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)				MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO
		FROM TO	FROM TO	FROM TO	FROM TO				
A-B	-1349 / 0	-102.1	-102.1	0.32 (1)	5.19	J-B	-275 / 0	0.08 (1)	
B-C	-1225 / 0	-102.1	-102.1	0.31 (1)	5.40	B-I	-212 / 0	0.12 (1)	
C-D	-1002 / 0	-102.1	-102.1	0.88 (1)	4.39	I-C	0 / 245	0.08 (1)	
D-E	-1002 / 0	-102.1	-102.1	0.89 (1)	4.39	C-G	-9 / 6	0.01 (4)	
F-E	-1261 / 0	0.0	0.0	0.29 (1)	5.73	G-D	-864 / 0	0.78 (1)	
K-A	-1278 / 0	0.0	0.0	0.13 (1)	7.13	G-E	0 / 1412	0.82 (1)	
						A-J	0 / 1196	0.27 (1)	
K-J	0 / 0	-17.5	-17.5	0.07 (4)	10.00				
J-I	0 / 1145	-17.5	-17.5	0.24 (1)	10.00				
I-H	0 / 988	-17.5	-17.5	0.28 (4)	10.00				
H-G	0 / 988	-17.5	-17.5	0.28 (4)	10.00				
G-F	0 / 0	-17.5	-17.5	0.29 (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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-06, 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) = $L/999$ (0.09")

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

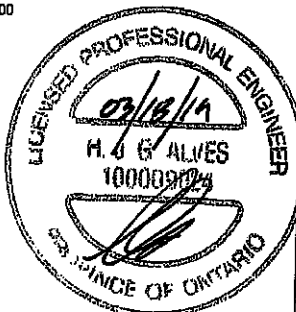
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 789 1987 1668

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.80)
JSI METAL= 0.33 (H) (INPUT = 1.00)

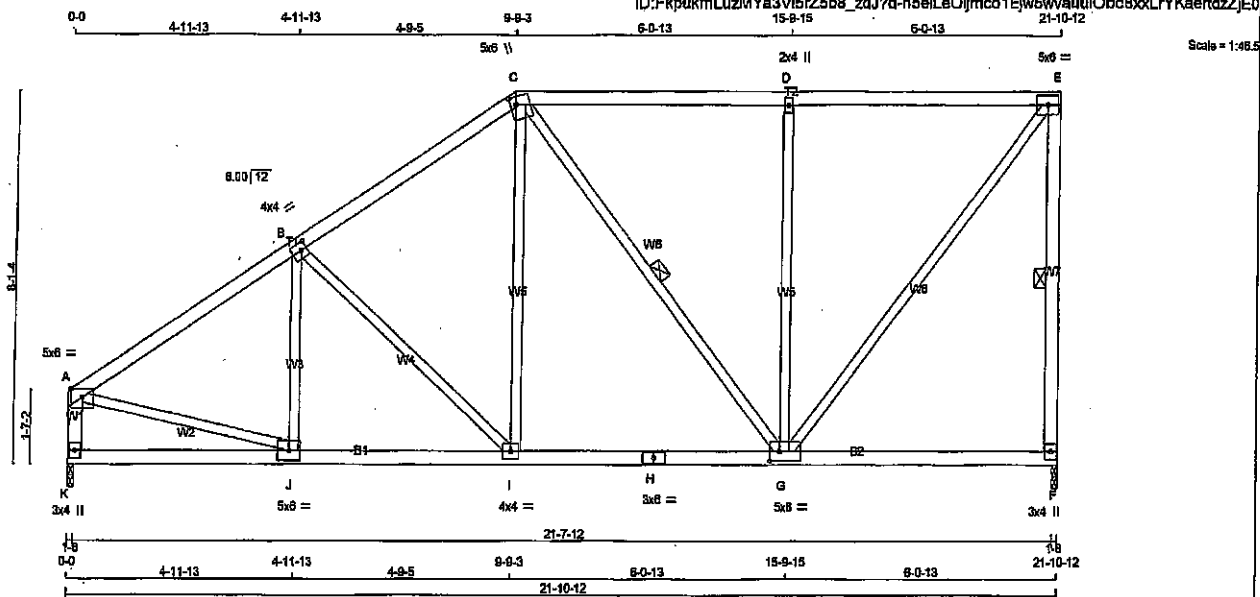


DRWG NO. TAM 71405376
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 103 = 205 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	
G - I	2x4	DRY	No.2	SPF	
I - K	2x4	DRY	No.2	SPF	
K - A	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	5.0	6.0	Edge	
B	TMVW-l	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-l	MT20	5.0	6.0		
F	BMVW-p	MT20	3.0	4.0		
G	BMVW-w	MT20	5.0	6.0	2.50	2.50
H	BS-l	MT20	3.0	6.0		
I	BMVW-l	MT20	4.0	4.0		
J	BMVW-w	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

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

UNFACTORED REACTIONS

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

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.

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)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS			MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
		VERT. LOAD (PLF)	LC1 (LC)	MAX CS (LC)				
FR-TO		FROM	TO					
A-B	-1370 / 0	-102.1	-102.1	0.47 (1)	4.88	J-B	-207 / 16	0.07 (1)
B-C	-1128 / 0	-102.1	-102.1	0.45 (1)	5.38	B-I	-354 / 0	0.29 (1)
C-D	-804 / 0	-102.1	-102.1	0.87 (1)	5.53	I-C	0 / 334	0.08 (1)
D-E	-804 / 0	-102.1	-102.1	0.87 (1)	5.52	C-G	-179 / 0	0.12 (1)
E-F	-1288 / 0	0.0	0.0	0.38 (1)	5.73	G-D	-768 / 0	0.97 (1)
K-A	-1272 / 0	0.0	0.0	0.13 (1)	7.14	G-E	0 / 1306	0.29 (1)
						A-J	0 / 1204	0.27 (1)
K-J	0 / 0	-17.5	-17.5	0.09 (4)	10.00			
J-I	0 / 1167	-17.5	-17.5	0.24 (1)	10.00			
I-H	0 / 914	-17.5	-17.5	0.23 (1)	10.00			
H-G	0 / 914	-17.5	-17.5	0.23 (1)	10.00			
G-F	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. O.C.

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 37.8 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=0.87/1.00 (D-E:1), BC=0.24/1.00 (I-J:1), WB=0.97/1.00 (D-G:1), CSI=0.30/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

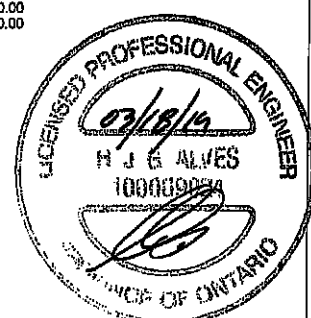
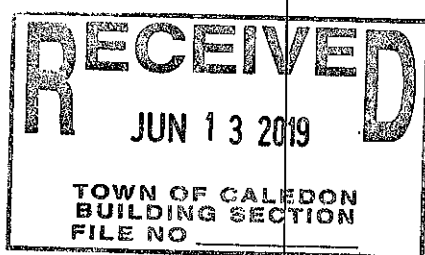
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1887 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

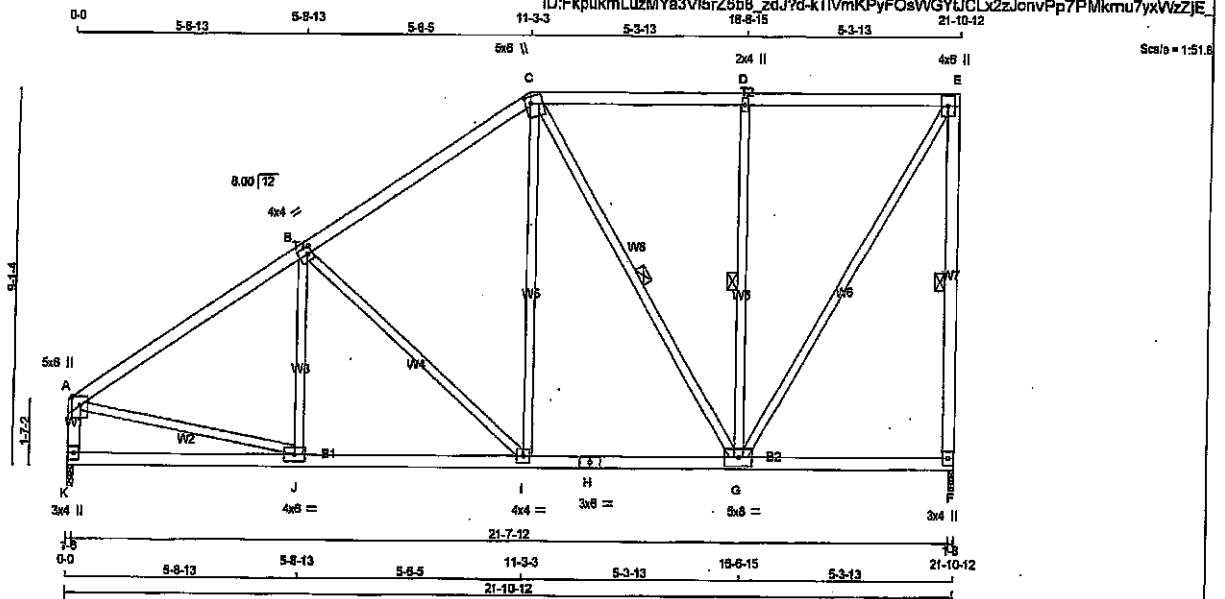
JSI GRIP= 0.75 (A) (INPUT = 0.90)
JSI METAL= 0.33 (H) (INPUT = 1.00)



DWG NO. TAM P405377
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T23	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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TOTAL WEIGHT = 2 X 108 = 216 lb

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edges	
B	TMVW-l	MT20	4.0	4.0	2.00	1.50
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-l	MT20	5.0	8.0		
H	BS-l	MT20	3.0	6.0		
I	BMVW-l	MT20	4.0	4.0		
J	BMVW-l	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	DOWN	HORZ
F	1309	0	1309	0
K	1309	0	1309	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	920	938 / 0	0 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
K	920	938 / 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) F, K

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (LC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)
FR-TO						FR-TO			
A-B	-1373 / 0	-102.1	-102.1	0.48 (1)	4.99	J-B	-160 / 48	0.07 (1)	0.56 (1)
B-C	-1019 / 0	-102.1	-102.1	0.43 (1)	5.63	B-I	-486 / 0	0.56 (1)	0.09 (1)
C-D	-845 / 0	-102.1	-102.1	0.37 (1)	6.25	I-C	0 / 417	0.26 (1)	0.36 (1)
D-E	-845 / 0	-102.1	-102.1	0.37 (1)	6.25	C-G	-338 / 0	0.28 (1)	0.27 (1)
E-F	-1270 / 0	0.0	0.0	0.48 (1)	5.71	G-D	-872 / 0	0.28 (1)	0.27 (1)
K-A	-1288 / 0	0.0	0.0	0.13 (1)	7.15	G-E	0 / 1243	0.28 (1)	0.27 (1)
K-J	0 / 0	-17.5	-17.5	0.14 (4)	10.00	A-J	0 / 1203	0.27 (1)	
J-I	0 / 1174	-17.5	-17.5	0.28 (1)	10.00				
I-H	0 / 818	-17.5	-17.5	0.19 (1)	10.00				
H-G	0 / 818	-17.5	-17.5	0.19 (1)	10.00				
G-F	0 / 0	-17.5	-17.5	0.12 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 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, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.49/1.00 (E-F-1), BC=0.28/1.00 (I-J-1),
WB=0.58/1.00 (B-I-1), SSI=0.28/1.00 (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

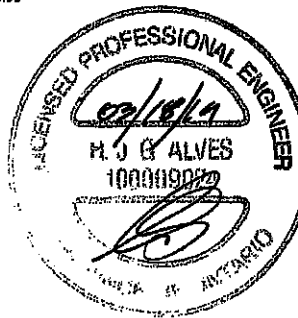
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 783 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT = 0.50)
JSI METAL= 0.68 (A) (INPUT = 1.00)

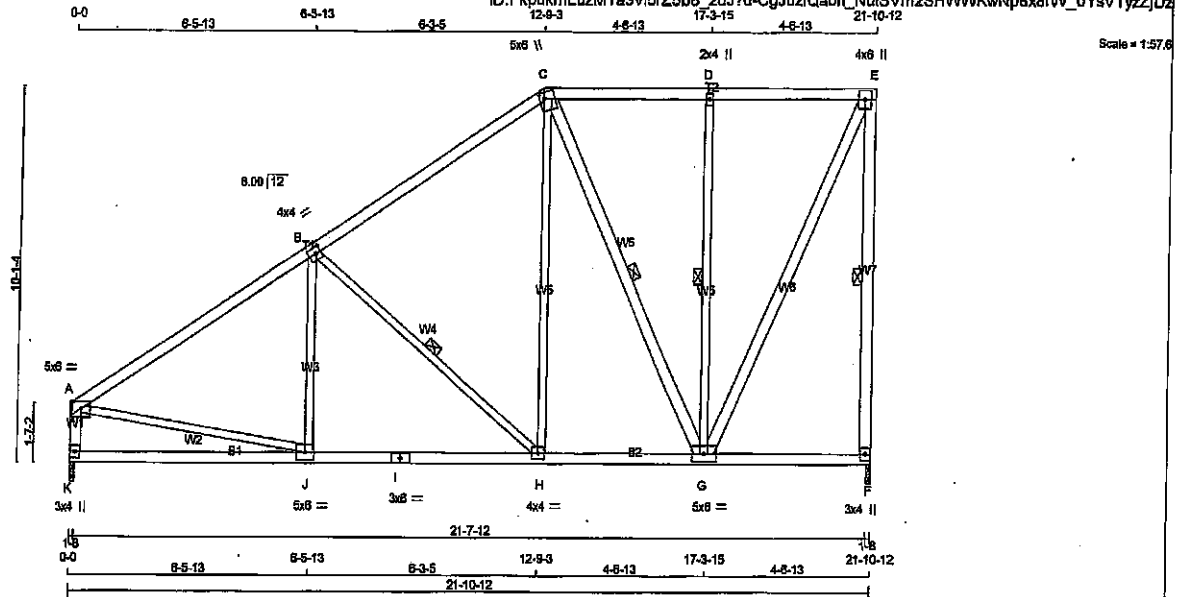


DRWG NO. TAM 11905370
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T24	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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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	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	BMVWV-t	MT20	5.0	6.0	
H	BMVW-t	MT20	4.0	4.0	
I	BS-t	MT20	3.0	6.0	
J	BMVW-t	MT20	5.0	6.0	
K	BMV1+p	MT20	3.0	4.0	

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

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

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

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	920	836 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
K	920	836 / 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)

MEMB.	CHORDS	WEBS
FR-TO	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
A-B	-1364 / 0	-102 / 77
B-C	-900 / 0	-613 / 0
C-D	-514 / 0	-481 / 0
D-E	-514 / 0	-375 / 0
F-E	-1276 / 0	0 / 1209
K-A	-1263 / 0	0 / 1193
K-J	0 / 0	-17.5 -17.5 0.18 (4)
J-I	0 / 1171	-17.5 -17.5 0.28 (1)
I-H	0 / 1171	-17.5 -17.5 0.28 (1)
H-G	0 / 716	-17.5 -17.5 0.17 (1)
G-F	0 / 0	-17.5 -17.5 0.08 (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 ECBC 2018, CBC 2012
- CSA 088-09, CSA 089-14
- 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/380 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/380 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSK TC=0.84/1.00 (E-F:1), BC=0.26/1.00 (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.

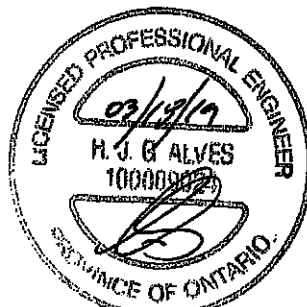
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1686

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.80)
JSI METAL= 0.40 (I) (INPUT = 1.00)



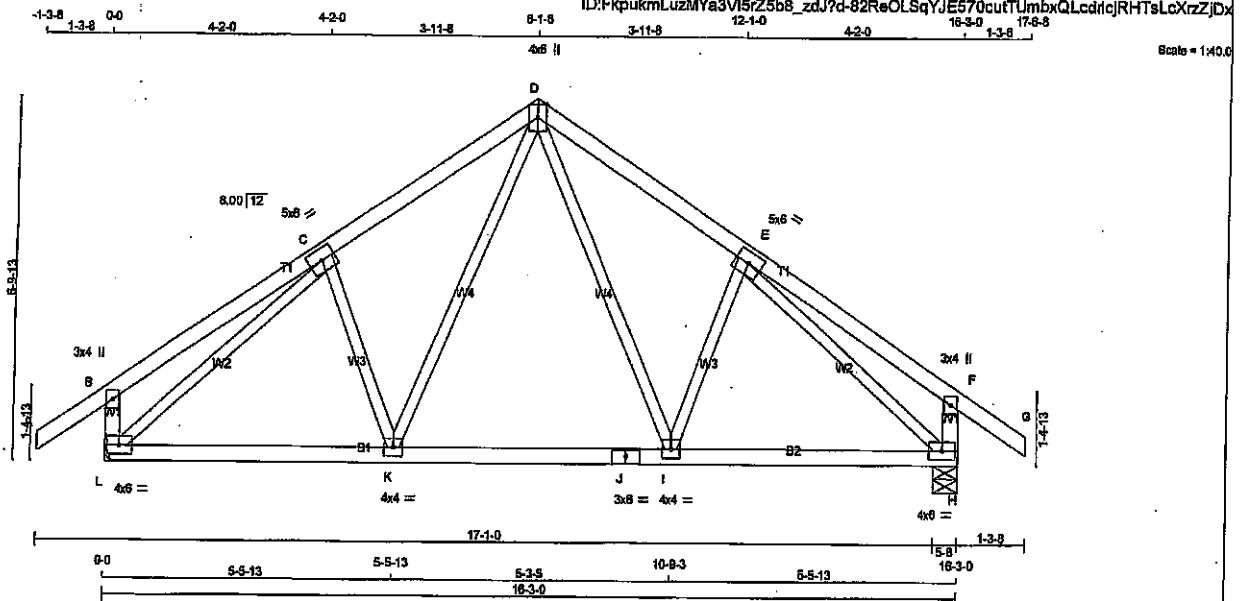
DWG NO. TAM 17905377
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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Scale = 1/40.0

TOTAL WEIGHT = 4 X 72 = 290 lb

<u>LUMBER</u>						
N. L. G. A. RULES						
CHORDS		SIZE		LUMBER		DESCR
A - D	2x4	DRY	No.2			SPF
D - G	2x4	DRY	No.2			SPF
L - B	2x4	DRY	No.2			SPF
H - F	2x4	DRY	No.2			SPF
L - J	2x4	DRY	No.2			SPF
J - H	2x4	DRY	No.2			SPF

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMVW-t	MT20	5.0	6.0	
D	TMVW+p	MT20	4.0	6.0	Edge
E	TMVW-t	MT20	5.0	6.0	
F	TMV+p	MT20	3.0	4.0	
H	BMVW-t	MT20	4.0	6.0	
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	BMVW-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

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

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	779	552/0	0/0	0/0	0/0	228/0	0/0
H	779	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)

MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. FACTORED UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
			LC1	LC2				
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	I-E	-248/0	0.07 (1)
C-D	-915/0	-102.1	-102.1	0.22 (1)	6.20	K-D	0/358	0.08 (1)
D-E	-915/0	-102.1	-102.1	0.22 (1)	6.20	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)	7.51			
H-F	-298/0	0.0	0.0	0.03 (1)	7.51			
L-K	0/828	-17.5	-17.5	0.20 (1)	10.00			
K-J	0/605	-17.5	-17.5	0.18 (4)	10.00			
J-I	0/605	-17.5	-17.5	0.18 (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, NBCC 2010, NBCC 2015

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 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 (0.05")

CSI: TC=0.27/1.00 (E-F:1), BC=0.20/1.00 (K-L:1),
WB=0.57/1.00 (E-H:1), SS=0.17/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

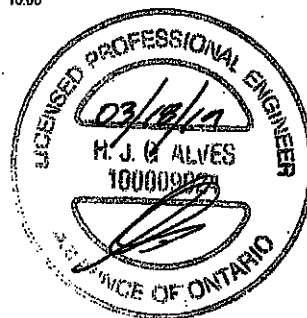
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1997 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)



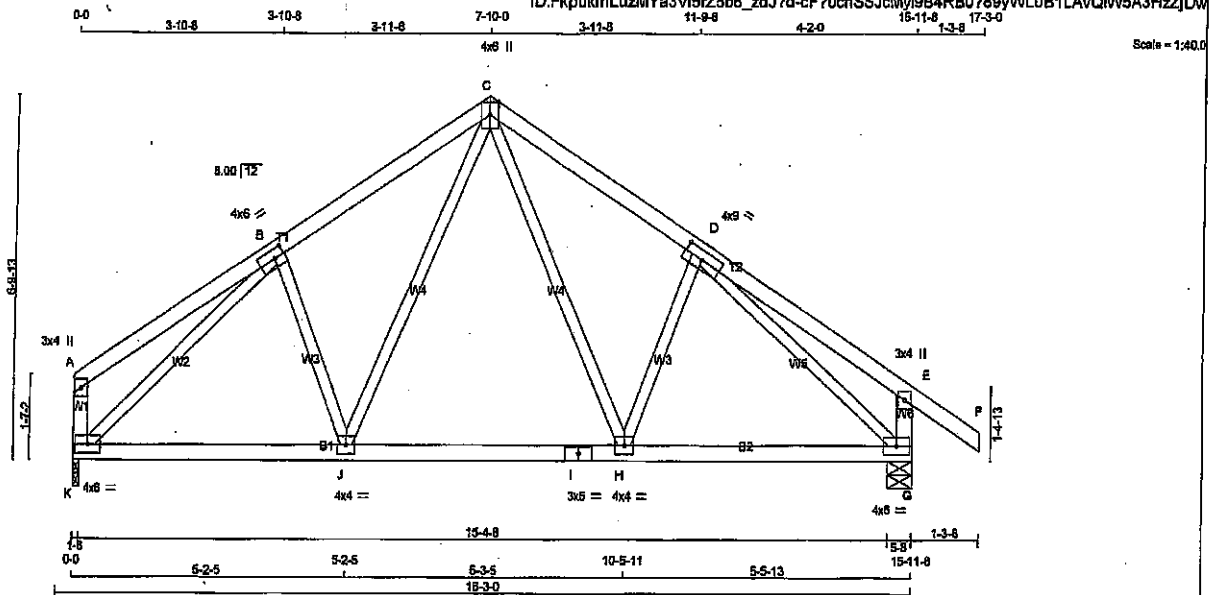
DRWG NO. TAM 17905380
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T25A	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ6b8_zdJ7d-cF70chSSJcMY9B4RB0789yWLD0B1LavQIW5A3HzJdW



TOTAL WEIGHT = 2 X 70 = 140 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		
G - E	2x4	DRY	No.2	SPF		
K - I	2x4	DRY	No.2	SPF		
I - G	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0			
B	TMVW+t	MT20	4.0	8.0	2.00	2.25	
C	TMVW+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	8.0			
H	BMVW1-t	MT20	3.0	8.0			
I	BS-t	MT20	3.0	8.0			
J	BMVW1-t	MT20	4.0	8.0			
K	BMVW1-t	MT20	4.0	8.0			

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
K	VERT	DOWN	UPLIFT	IN-SX
G	1094	0	0	1-8
				5-8

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
K	871	483 / 0	0 / 0
G	767	543 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 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)	VERT. LOAD	LC1	MAX.	MAX.	UNBRAC	LENGTH	FR-TO	MEMB.	MAX. FACTORED	FORCE (LBS)	MAX.	CS1 (LC)
A-B		0 / 26		-102.1	-102.1	0.25 (1)	10.00	C-H	0 / 371	0.08 (1)					
B-C		-887 / 0		-102.1	-102.1	0.20 (1)	8.25	H-D	-258 / 0	0.07 (1)					
C-D		-885 / 0		-102.1	-102.1	0.21 (1)	8.25	J-C	0 / 312	0.07 (1)					
D-E		0 / 26		-102.1	-102.1	0.27 (1)	10.00	B-J	-202 / 0	0.08 (1)					
E-F		0 / 39		-102.1	-102.1	0.14 (1)	10.00	K-B	-1087 / 0	0.50 (1)					
K-A		-149 / 0		0.0	0.0	0.02 (1)	7.81	D-G	-1104 / 0	0.55 (1)					
G-E		-303 / 0		0.0	0.0	0.03 (1)	7.81								
K-J		0 / 769		-17.5	-17.5	0.18 (1)	10.00								
J-I		0 / 583		-17.5	-17.5	0.18 (4)	10.00								
I-H		0 / 583		-17.5	-17.5	0.18 (4)	10.00								
H-G		0 / 809		-17.5	-17.5	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 = 7.0 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 BCBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.27/1.00 (D-E:1), BC=0.19/1.00 (G-H:1), WB=0.55/1.00 (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

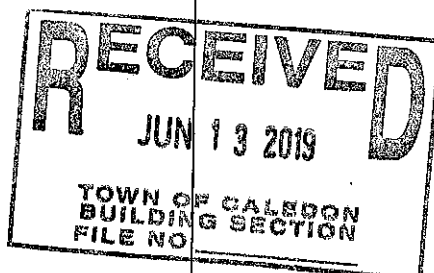
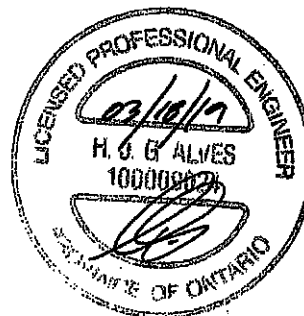
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1897 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



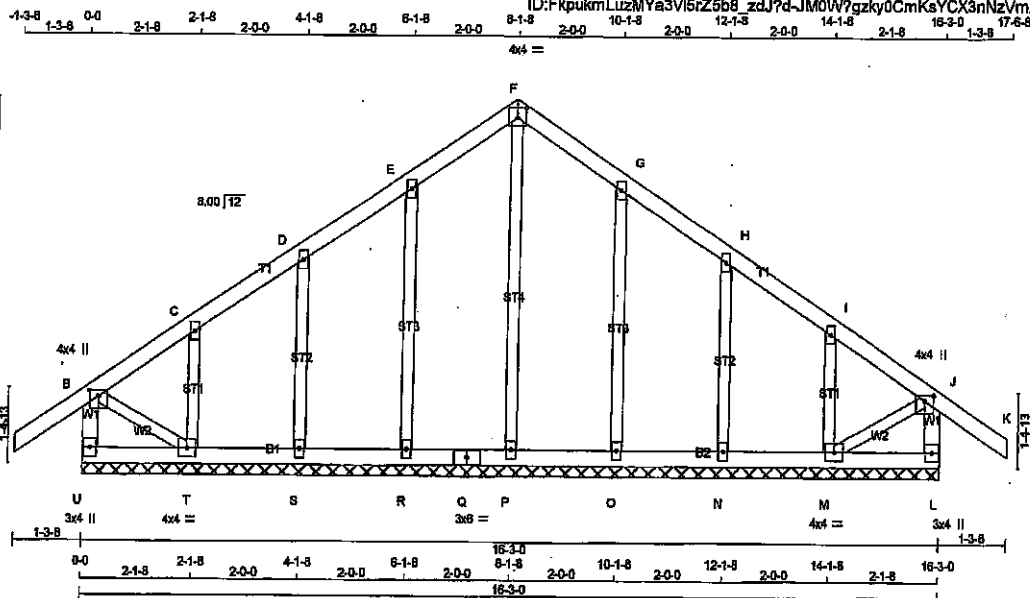
DRWG NO. TAM 11905382
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G25	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8 zdJ7d-JM0W7gzky0CmKsYCX3nNzVmXIVE9EkbOGdFV89zZJEZ



Scale = 1/32"

CHORDS	SIZE	LUMBER	DESCR.
A - F	2x4	DRY	No.2
F - K	2x4	DRY	No.2
U - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
U - Q	2x4	DRY	No.2
Q - L	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.		

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
FR-TO				FR-TO			
A-B	0/39	-102.1	-102.1 0.14 (1)	10.00	P-F	-148/0	0.11 (1)
B-C	-28/0	-102.1	-102.1 0.08 (1)	6.25	R-E	-234/0	0.11 (1)
C-D	-33/0	-102.1	-102.1 0.08 (1)	6.25	S-D	-188/0	0.05 (1)
D-E	-20/0	-102.1	-102.1 0.08 (1)	6.25	T-C	-230/0	0.04 (1)
E-F	-31/0	-102.1	-102.1 0.08 (1)	6.25	O-G	-234/0	0.11 (1)
F-G	-31/0	-102.1	-102.1 0.08 (1)	6.25	N-H	-188/0	0.05 (1)
G-H	-20/0	-102.1	-102.1 0.08 (1)	6.25	M-I	-230/0	0.04 (1)
H-I	-33/0	-102.1	-102.1 0.08 (1)	6.25	B-T	0/35	0.01 (1)
I-J	-28/0	-102.1	-102.1 0.08 (1)	6.25	M-J	0/35	0.01 (1)
J-K	0/39	-102.1	-102.1 0.14 (1)	10.00			
U-B	-260/0	0.0	0.0 0.03 (1)	7.81			
L-J	-260/0	0.0	0.0 0.03 (1)	7.81			
U-T	0/0	-17.5	-17.5 0.02 (4)	10.00			
T-S	0/24	-17.5	-17.5 0.02 (4)	10.00			
S-R	0/20	-17.5	-17.5 0.01 (4)	10.00			
R-Q	0/16	-17.5	-17.5 0.01 (4)	10.00			
Q-P	0/16	-17.5	-17.5 0.01 (4)	10.00			
P-O	0/16	-17.5	-17.5 0.01 (4)	10.00			
O-N	0/20	-17.5	-17.5 0.01 (4)	10.00			
N-M	0/24	-17.5	-17.5 0.02 (4)	10.00			
M-L	0/0	-17.5	-17.5 0.02 (4)	10.00			

PLATE TYPE	PLATES	W	LEN	Y	X
B TMW+P	MT20	4.0	4.0	1.25	2.00
C, D, E, G, H, I					
F TMW+P	MT20	2.0	4.0		
J TMW+P	MT20	4.0	4.0	2.25	2.00
L BMW1+P	MT20	3.0	4.0		
M BMW1+P	MT20	4.0	4.0		
N, O, P, R, S					
N BMW1+P	MT20	2.0	4.0		
Q BS-I	MT20	3.0	6.0		
T BMW1+P	MT20	4.0	4.0		
U BMW1+P	MT20	3.0	4.0		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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 088-09, 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 (J-K:1), BC=0.02/1.00 (M-N:4), WB=0.11/1.00 (F-P:1), SS=0.09/1.00 (J-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

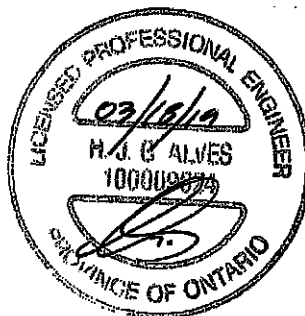
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.55 (T) (INPUT = 0.80)
JSI METAL= 0.12 (G) (INPUT = 1.00)



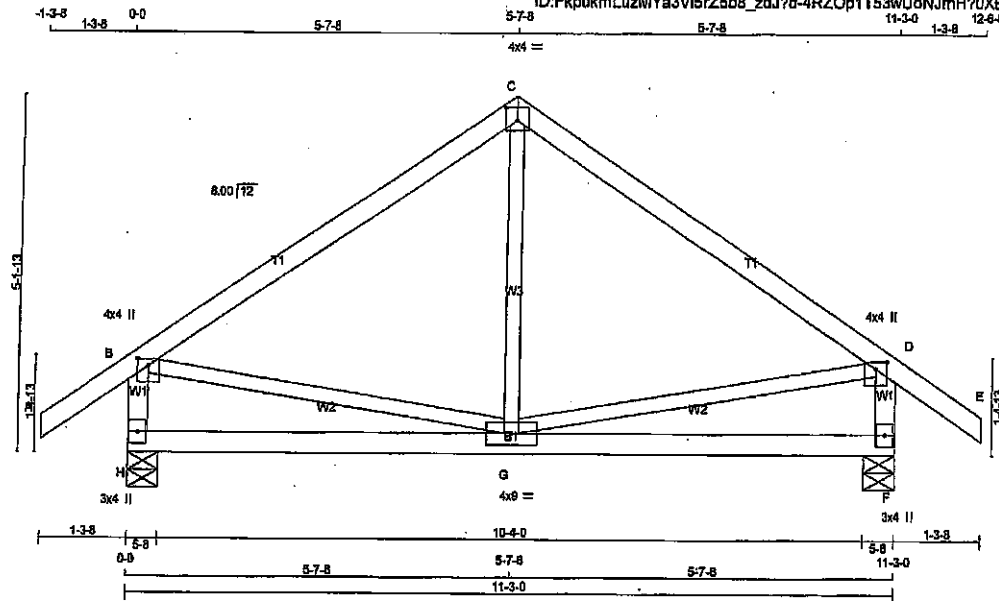
DRWG NO. TAM 11905381
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T26	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:30.9

TOTAL WEIGHT = 2 X 47 = 93 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMAV+p	MT20	4.0	4.0	1.25	2.00
C TTW+p	MT20	4.0	4.0	2.25	2.00
D TMAV+p	MT20	4.0	4.0	1.25	2.00
F TMAV+p	MT20	3.0	4.0		
G BMVWV+I	MT20	4.0	9.0		
H BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
H	813	813	0	0
F	813	813	0	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	589	408 / 0	0 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0
F	589	408 / 0	0 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC1)	MAX. FACTORED LENGTH (FT)	MEMB.	WEBS 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	-35 / 85	0.03 (4)
B-C	-487 / 0	-102.1 -102.1	0.42 (1)	6.25	B-G	0 / 412	0.08 (1)
C-D	-487 / 0	-102.1 -102.1	0.42 (1)	6.25	G-D	0 / 412	0.08 (1)
D-E	0 / 38	-102.1 -102.1	0.14 (1)	10.00			
H-B	-775 / 0	0.0	0.0	0.08 (1)	7.81		
F-D	-775 / 0	0.0	0.0	0.08 (1)	7.81		
H-G	0 / 0	-17.5 -17.5	0.16 (4)	10.00			
G-F	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

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 (0.38")
CALCULATED VERT. DEFL.(LL) = L/998 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.42/1.00 (B-C:1), BC=0.16/1.00 (F-G:4),
WB=0.08/1.00 (D-G:1), SSI=0.19/1.00 (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.

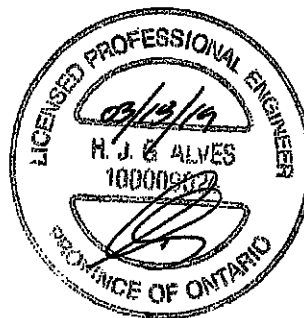
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.58 (D) (INPUT = 0.90)
JSI METAL= 0.17 (D) (INPUT = 1.00)

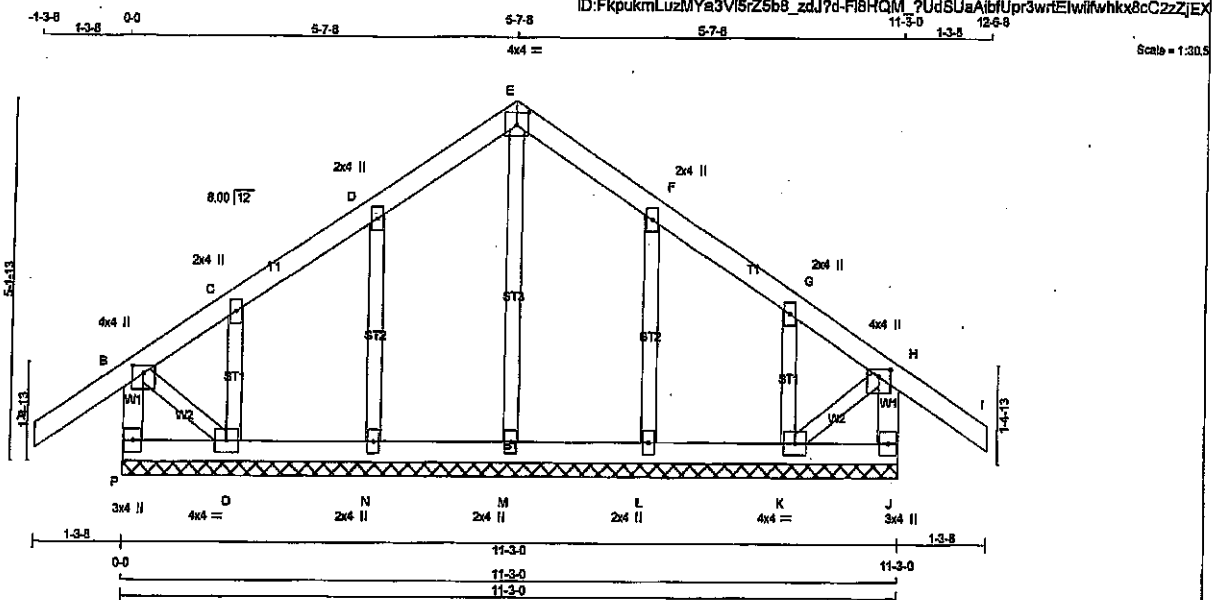


DRWG NO. TAM 7905383
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G26	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-F18HQM_7UdSUaA1bfUp3wrE1w1twhkx8cC2zZjEX



TOTAL WEIGHT = 2 X 49 = 98 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
P - B	2x4	DRY	No.2
A - E	2x4	DRY	No.2
E - I	2x4	DRY	No.2
J - H	2x4	DRY	No.2
P - J	2x4	DRY	No.2

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

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	4.0	4.0	1.25	2.00
C, D, F, G					
C TMW+w	MT20	2.0	4.0		
E TTW-p	MT20	4.0	4.0	2.25	2.00
H TMWV+p	MT20	4.0	4.0	1.25	2.00
J BMV1+p	MT20	3.0	4.0		
K BMWV1-t	MT20	4.0	4.0		
L, M, N					
L BMW1+w	MT20	2.0	4.0		
M BMWV1-t	MT20	4.0	4.0		
P BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO			FROM	TO		FR-TO			
P-B	-286 / 0	0.0	0.0	0.03 (1)	7.81	M-E	-157 / 0	0.08 (1)	
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	N-D	-247 / 0	0.08 (1)	
B-C	-50 / 0	-102.1	-102.1	0.13 (1)	6.25	O-C	-103 / 0	0.02 (1)	
C-D	-4 / 0	-102.1	-102.1	0.07 (1)	10.00	L-F	-247 / 0	0.08 (1)	
D-E	-20 / 0	-102.1	-102.1	0.07 (1)	6.25	K-G	-103 / 0	0.02 (1)	
E-F	-20 / 0	-102.1	-102.1	0.07 (1)	6.25	B-O	0 / 19	0.00 (1)	
F-G	-4 / 0	-102.1	-102.1	0.07 (1)	10.00	K-H	0 / 19	0.00 (1)	
G-H	-80 / 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	-286 / 0	0.0	0.0	0.03 (1)	7.81				
P-O	0 / 0	-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 / 8	-17.5	-17.5	0.01 (4)	10.00				
M-L	0 / 8	-17.5	-17.5	0.01 (4)	10.00				
L-K	0 / 12	-17.5	-17.5	0.01 (4)	10.00				
K-J	0 / 0	-17.5	-17.5	0.01 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 28.0	P8F
	DL = 6.0	P8F
BOT CH.	LL = 0.0	P8F
	DL = 7.0	P8F
TOTAL LOAD	= 42.0	P8F

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, NBCC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(85 % 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=0.01/1.00 (N-C: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.

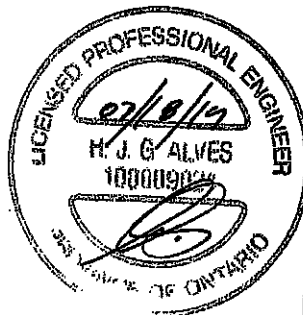
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.21 (H) (INPUT = 0.90)
JSI METAL = 0.13 (F) (INPUT = 1.00)

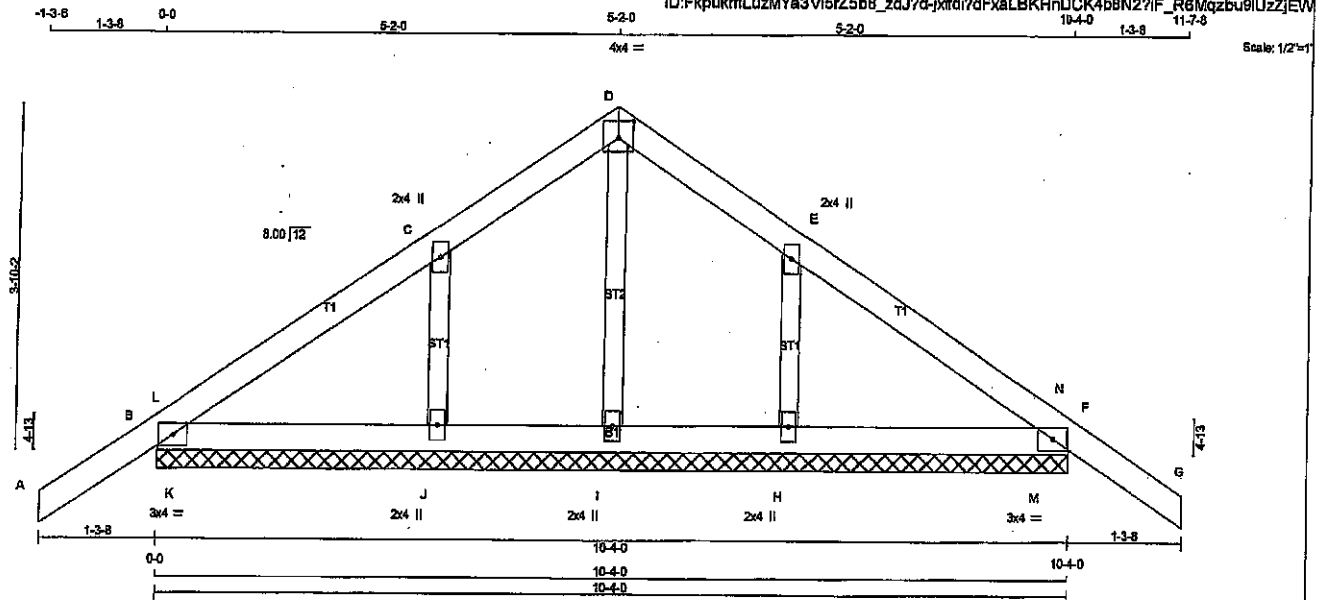


DRWG NO. TAM 17905384
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G27	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 12:18:37 2019 Page 1
ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-jxfidi7dFxaLBKHndCK4b8N27IF_R6Mqzbu9UzZjEw



TOTAL WEIGHT = 38 lb
[M]

LUMBER				
N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
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	BMW1+w	MT20	2.0	4.0	

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

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. FURLIN 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			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE	VERT. LOAD	LC1 MAX.	MAX. UNBRACED	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CSI (1)	LENGTH		(LBS)	CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/38	-102.1 -102.1	0.14 (1)	10.00	I-D	-73/0	0.02 (1)
B-L	-44/0	-102.1 -102.1	0.02 (1)	6.25	J-C	-302/0	0.05 (1)
L-C	-60/0	-102.1 -102.1	0.11 (1)	6.25	H-E	-302/0	0.05 (1)
C-D	-79/0	-102.1 -102.1	0.11 (1)	6.25	K-L	-175/2	0.00 (1)
D-E	-79/0	-102.1 -102.1	0.11 (1)	6.25	M-N	-175/2	0.00 (1)
E-N	-60/0	-102.1 -102.1	0.11 (1)	6.25			
N-F	-44/0	-102.1 -102.1	0.02 (1)	6.25			
F-G	0/38	-102.1 -102.1	0.14 (1)	10.00			
B-K	0/80	-17.5 -17.5	0.07 (1)	10.00			
K-J	0/80	-17.5 -17.5	0.07 (1)	10.00			
J-I	0/49	-17.5 -17.5	0.05 (1)	10.00			
I-H	0/49	-17.5 -17.5	0.05 (1)	10.00			
H-M	0/80	-17.5 -17.5	0.07 (1)	10.00			
M-F	0/80	-17.5 -17.5	0.07 (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 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

CSI: TO=0.14/1.00 (F-G:1), BC=0.07/1.00 (B-K:1), WB=0.05/1.00 (C-J:1), SS=0.14/1.00 (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

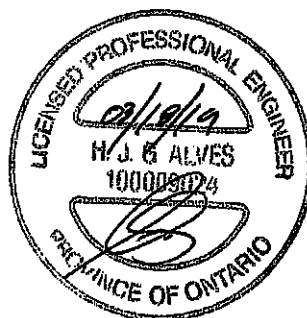
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1857
		768	1987
			1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.27 (F) (INPUT = 0.80)
JSI METAL = 0.15 (E) (INPUT = 1.00)



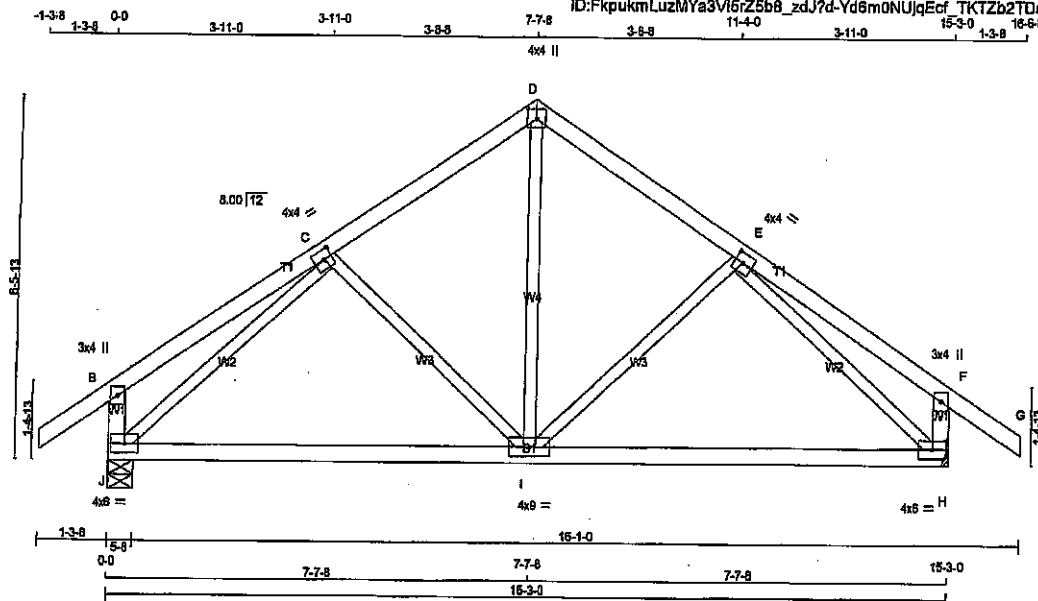
DRWG NO. TAM 17405385
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T28	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 6.230 S Nov 17 2018 Mitel Industries, Inc. Mon Mar 18 12:18:17 2018 Page 1
ID: FkpukmLuzMYa3V16rZ5b8_zdJ7d-Yd8m0NUJqEdf_TKTZb2TDa1fMqq8p5aj9qaG8AZZJDu

Scale = 1:38.2



TOTAL WEIGHT = 2 X 65 = 130 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		
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 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMAVp	MT20	3.0	4.0		
C TMAVW-1	MT20	4.0	4.0	2.00	1.75
D TMAVp	MT20	4.0	4.0	2.25	2.00
E TMAVW-1	MT20	4.0	4.0	2.00	1.75
F TMAVp	MT20	3.0	4.0		
H BMVW-1	MT20	4.0	8.0		
I BMVW-1	MT20	4.0	9.0		
J BMVW-1	MT20	4.0	6.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1052	0	1052	0
H	1052	0	1052	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	737	522 / 0	0 / 0	0 / 0	0 / 0	215 / 0	0 / 0
H	737	522 / 0	0 / 0	0 / 0	0 / 0	215 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN 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. CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO	C/SI (1)	FR-TO				
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	I-D	0 / 477	0.11 (1)
B-C	0 / 25	-102.1	-102.1	0.24 (1)	10.00	I-E	-227 / 0	0.11 (1)
C-D	-728 / 0	-102.1	-102.1	0.18 (1)	8.25	C-I	-227 / 0	0.11 (1)
D-E	-728 / 0	-102.1	-102.1	0.18 (1)	8.25	J-C	-1032 / 0	0.48 (1)
E-F	0 / 25	-102.1	-102.1	0.24 (1)	10.00	E-H	-1032 / 0	0.48 (1)
F-G	0 / 39	-102.1	-102.1	0.14 (1)	10.00			
J-B	-290 / 0	0.0	0.0	0.03 (1)	7.81			
H-F	-290 / 0	0.0	0.0	0.03 (1)	7.81			
J-I	0 / 748	-17.5	-17.5	0.34 (4)	10.00			
I-H	0 / 748	-17.5	-17.5	0.34 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. O.C.

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

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

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

ALLOWABLE DEFL. (LL) = L/380 (0.51")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/380 (0.51")
CALCULATED VERT. DEFL. (TL) = L/999 (0.08")

CSI: TC=0.24 / 1.00 (E-F:1), BC=0.34 / 1.00 (H-I:4), WB=0.48 / 1.00 (E-H:1), SS=0.18 / 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 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.90)
JSI METAL= 0.36 (C) (INPUT = 1.00)

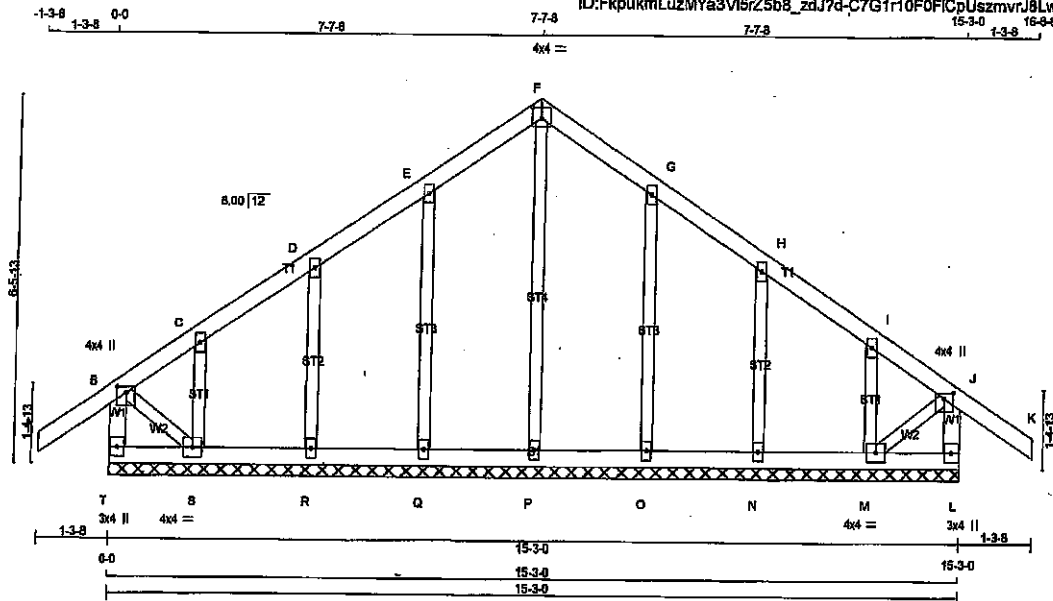


DRWG NO. TAM 71905386
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G28	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:16:36 2019 Page 1
ID:FkpukmLuzMYa3Vl6rZ5b8_zdJ7d-C7G1r10F0FICpUzsmvrJ8LwDk6c9AY_BFdIHwzZJEV



Scale = 1:37.7

TOTAL WEIGHT = 68 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
T - B	2x4	DRY	No.2	SPF		
A - F	2x4	DRY	No.2	SPF		
F - K	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
T - L	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
ALL GABLE WEBS	2x3	DRY	No.2	SPF		
DRY: SEASONED LUMBER.						
GABLE STUDS SPACED AT	2-0-0 OC.					

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

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	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	UNBRAC	MEMB.	MAX. FACTORED	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	UNBRAC	MEMB.	MAX. FACTORED	MAX	
	(LBS)	(PLF)	CS1 (LC)	CS1 (LC)	LENGTH	FR-TO		FORCE	MAX	
								(LBS)	CS1 (LC)	
FR-TO		FROM	TO							
T-B	-304 / 0	0.0	0.0	0.03 (1)	7.81	P-F	-158 / 0	0.11 (1)		
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	Q-E	-228 / 0	0.09 (1)		
B-C	-58 / 0	-102.1	-102.1	0.13 (1)	6.25	R-D	-210 / 0	0.05 (1)		
C-D	-18 / 0	-102.1	-102.1	0.05 (1)	6.25	S-C	-112 / 0	0.02 (1)		
D-E	-15 / 0	-102.1	-102.1	0.06 (1)	6.25	O-G	-228 / 0	0.09 (1)		
E-F	-24 / 0	-102.1	-102.1	0.08 (1)	6.25	N-H	-210 / 0	0.05 (1)		
F-G	-24 / 0	-102.1	-102.1	0.08 (1)	6.25	M-I	-112 / 0	0.02 (1)		
G-H	-15 / 0	-102.1	-102.1	0.06 (1)	6.25	B-S	0 / 28	0.01 (1)		
H-I	-18 / 0	-102.1	-102.1	0.05 (1)	6.25	M-J	0 / 28	0.01 (1)		
I-J	-58 / 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	-304 / 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 / 19	-17.5	-17.5	0.01 (4)	10.00					
R-Q	0 / 14	-17.5	-17.5	0.01 (4)	10.00					
Q-P	0 / 10	-17.5	-17.5	0.01 (4)	10.00					
P-O	0 / 10	-17.5	-17.5	0.01 (4)	10.00					
O-N	0 / 14	-17.5	-17.5	0.01 (4)	10.00					
N-M	0 / 19	-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	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	42.0	PSF	

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CS1: TC=0.14/1.00 (A-B:1), BC=0.01/1.00 (R-S:4),
WB=0.11/1.00 (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.

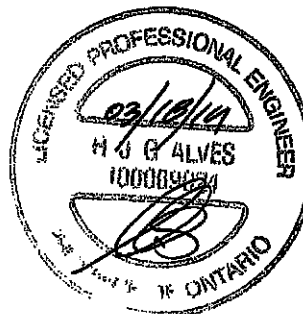
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

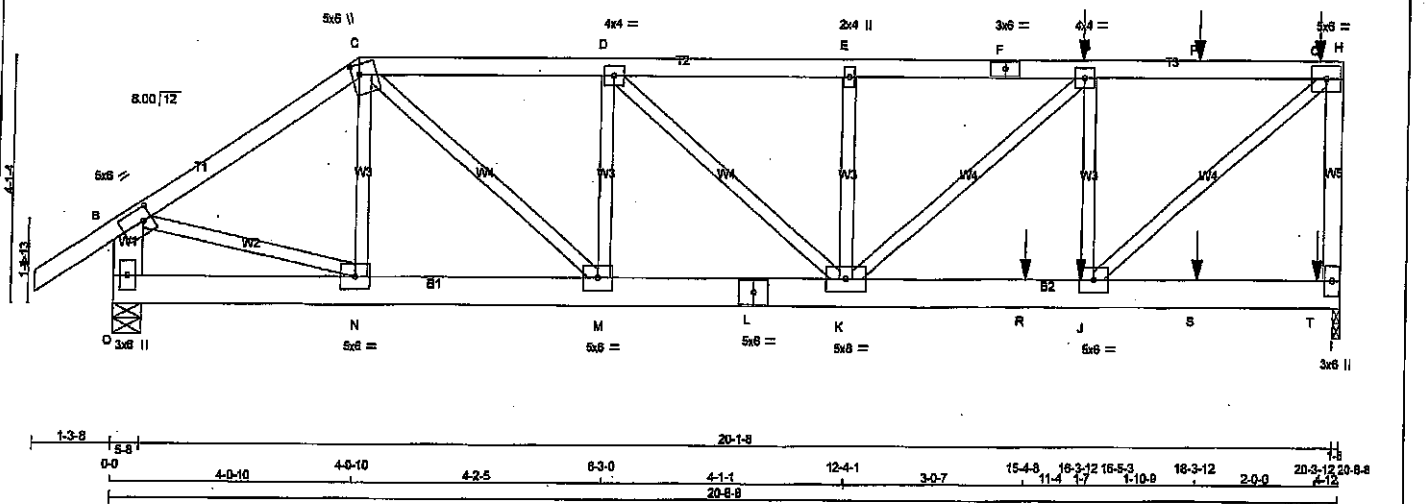
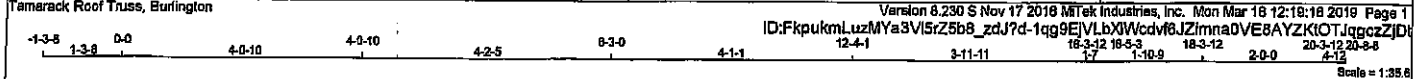
PLATE ROTATION TOL. = 5.0 Deg.

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



DRWG NO. TAM 71905387
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T29	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:18 2019 Page 1			
		ID:FkpkumLuzMYa3VIsrZ5b8_zdJ7cd-1qg9EVLbXWcdv6JZImna0VE8AYZKIOTJggczZJD			
		18-3-12 18-3-3 18-3-12 20-3-12 20-3-8			



TOTAL WEIGHT = 2 X 100 = 199 lb

<u>LUMBER</u>				
N. L. G. A. RULES				
CHORDS		SIZE	LUMBER	DESCR
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
O - B	2x6	DRY	No.2	SPF
O - L	2x6	DRY	No.2	SPF
L - I	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 - F	12	TOP
F - H	12	SIDE(81.0)
H - I	12	TOP
O - B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
O - L	12	TOP
L - I	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
B	TMWV-t	MT20	5.0	6.0	2.50	1.75
C	TTWV+m	MT20	5.0	6.0	2.00	1.50
D	TMWV-t	MT20	4.0	4.0		
E	TMWV-t	MT20	2.0	4.0		
F	TS-t	MT20	3.0	4.0		
G	TMWV-t	MT20	4.0	4.0		
H	TMWV-t	MT20	5.0	6.0		
I	BMV1+p	MT20	3.0	6.0		
J, M, N						
J	BMWV-t	MT20	5.0	6.0		
K	BMWVW-t	MT20	5.0	6.0		
L	BS-t	MT20	5.0	6.0		
O	BMV1+p	MT20	3.0	6.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
I	2716	0	2716	0	1-8	1-8
O	1793	0	1793	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERMALIVE			
I	1905	1335 / 0	0 / 0	0 / 0	0 / 0	570 / 0	0 / 0
O	1257	869 / 0	0 / 0	0 / 0	0 / 0	388 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.03 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	MAX. CSI (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 / 39	-102.1	-102.1	0.08 (1)	10.00	N-C	-268 / 0	0.03 (1)	
B-C	-1876 / 0	-102.1	-102.1	0.18 (1)	6.18	B-N	0 / 1803	0.20 (1)	
C-D	-2593 / 0	-102.1	-102.1	0.17 (1)	5.47	J-H	0 / 3592	0.44 (1)	
D-E	-3102 / 0	-102.1	-102.1	0.18 (1)	5.08	C-M	0 / 1382	0.17 (1)	
E-F	-3102 / 0	-102.1	-102.1	0.22 (1)	5.03	J-G	-1085 / 0	0.14 (1)	
F-G	-3102 / 0	-102.1	-102.1	0.22 (1)	5.03	M-D	-945 / 0	0.12 (1)	
G-P	-2707 / 0	-102.1	-102.1	0.24 (1)	5.29	K-G	0 / 534	0.07 (1)	
P-Q	-2707 / 0	-102.1	-102.1	0.24 (1)	5.29	D-K	-87688	0.08 (1)	
Q-H	-2707 / 0	-102.1	-102.1	0.24 (1)	5.29	K-E	358	0.08 (1)	
I-H	-2717 / 0	0.0	0.0	0.34 (1)	6.93				
O-B	-1785 / 0	0.0	0.0	0.08 (1)	7.81				
O-N	0 / 0	-17.5	-17.5	0.02 (4)	10.00				
N-M	0 / 1551	-17.5	-17.5	0.13 (1)	10.00				
M-L	0 / 2593	-17.5	-17.5	0.24 (1)	10.00				
L-K	0 / 2593	-17.5	-17.5	0.24 (1)	10.00				
K-R	0 / 2707	-17.5	-17.5	0.48 (1)	10.00				
R-J	0 / 2707	-17.5	-17.5	0.48 (1)	10.00				
J-S	0 / 0	-17.5	-17.5	0.12 (1)	10.00				
S-T	0 / 0	-17.5	-17.5	0.12 (1)	10.00				
T-I	0 / 0	-17.5	-17.5	0.12 (1)	10.00				

02/02/14

H J G ALVES

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LICENSED PROFESSIONAL

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TOTAL
G	16-3-12	-123	-123	FRONT	VERT	TOTAL
J	16-3-12	-25	-25	FRONT	VERT	TOTAL
P	16-3-12	-123	-123	FRONT	VERT	TOTAL
Q	20-3-12	-154	-154	FRONT	VERT	TOTAL
R	15-4-8	-1412	-1412	FRONT	VERT	TOTAL
S	18-3-12	-25	-25	FRONT	VERT	TOTAL
T	20-3-12	-30	-30	FRONT	VERT	TOTAL

DESIGN CRITERIA

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

SPACING = 24.0 IN./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 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 (0.66")
CALCULATED VERT. DEFL.(LL) = L/999 (0.65")
ALLOWABLE DEFL.(TL) = L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.34/1.00 (H-I:1), BC=0.48/1.00 (J-K:1), WB=0.44/1.00 (H-J:1), SSI=0.37/1.00 (J-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 SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1656

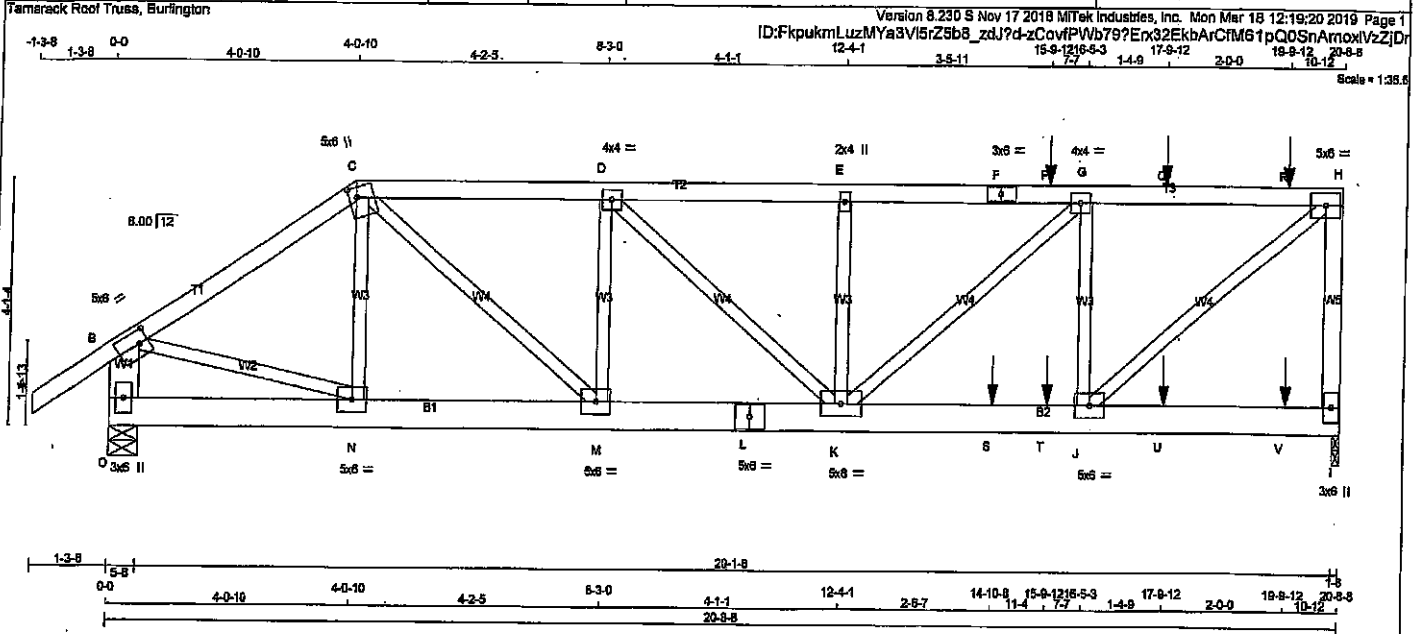
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.88 (H) (INPUT = 1.00)

DRWG NO. TAM 71905308
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T29Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:19:20 2019 Page 1		ID:FkpukmLuzMYa3V15rZ6b8_zdJ7d-zCovtPWb79?En32EkbArCfM61pQOSnAmoxlVzZDr	
		15-9-12164-3 17-9-12 19-9-12 20-8-5 20-12-12		Scale = 1:35.5	



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		
F - H	2x4	DRY	No.2	SPF		
O - B	2x4	DRY	No.2	SPF		
O - L	2x6	DRY	No.2	SPF		
L - I	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 - F	12	TOP
F - H	12	TOP
H - I	12	TOP
O - B	12	TOP
BOTTOM CHORDS: (0.122'X3") SPIRAL NAILS		
O - L	12	TOP
L - I	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.

TYPES (table is in inches)		W	LEN	Y	X
TYPE	PLATES				
TMWV-1	MT20	5.0	6.0	2.50	1.75
TTWW+m	MT20	5.0	6.0	2.00	1.50
TMWV-1	MT20	4.0	4.0		
TMWV+w	MT20	2.0	4.0		
TS-1	MT20	3.0	6.0		
TMWV-1	MT20	4.0	4.0		
TMWV-1	MT20	5.0	6.0		
BMV1+p	MT20	3.0	6.0		
N					
BMWV-1	MT20	0.0	0.0		
BMWV-1	MT20	0.0	0.0		
BS-1	MT20	0.0	0.0		
BMV1+p	MT20	3.0	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
VERT	HORZ	DOWN	HORZ
UPLIFT	IN-SX	IN-SX	IN-SX
JT	2638	0	1-8
I	2638	0	1-8
O	1838	0	5-8

UNFACTORED REACTIONS

1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	1851	1288 / 0	0 / 0	0 / 0	554 / 0	0 / 0
I	1851	1288 / 0	0 / 0	0 / 0	554 / 0	0 / 0
O	1288	912 / 0	0 / 0	0 / 0	378 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE (LBS)	MAX
FR-TO		FROM	PLF	CSI (LC)	UNBRAC	FR-TO		
A-B	0 / 39	-102.1	-102.1	0.03 (1)	10.00	N-C	-289 / 0	0.03 (1)
B-C	-1837 / 0	-102.1	-102.1	0.19 (1)	8.09	B-N	0 / 1654	0.20 (1)
C-D	-2684 / 0	-102.1	-102.1	0.17 (1)	5.40	J-H	0 / 3604	0.48 (1)
D-E	-3278 / 0	-102.1	-102.1	0.18 (1)	4.97	C-M	0 / 1446	0.18 (1)
E-F	-3278 / 0	-102.1	-102.1	0.26 (1)	4.86	J-G	-1282 / 0	0.18 (1)
F-G	-3278 / 0	-102.1	-102.1	0.26 (1)	4.86	M-D	-1020 / 0	0.13 (1)
P-G	-3278 / 0	-102.1	-102.1	0.26 (1)	4.86	K-G	0 / 759	0.09 (1)
Q-R	-2717 / 0	-102.1	-102.1	0.24 (1)	5.27	D-K	0 / 693	0.10 (1)
G-Q	-2717 / 0	-102.1	-102.1	0.24 (1)	5.27	K-E	0 / 693	0.10 (1)
Q-R	-2717 / 0	-102.1	-102.1	0.24 (1)	5.27	K-E	0 / 693	0.10 (1)
R-H	-2717 / 0	-102.1	-102.1	0.24 (1)	5.27	K-E	0 / 693	0.10 (1)
I-H	-2684 / 0	0.0	0.0	0.33 (1)	6.88			
O-B	-1811 / 0	0.0	0.0	0.08 (1)	7.81			

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE (LBS)	MAX
O-N	0 / 0	-17.5	-17.5	0.02 (4)	10.00			
A-B	0 / 1601	-17.5	-17.5	0.14 (1)	10.00			
M-L	0 / 2684	-17.5	-17.5	0.28 (1)	10.00			
L-K	0 / 2684	-17.5	-17.5	0.28 (1)	10.00			
K-S	0 / 2717	-17.5	-17.5	0.58 (1)	10.00			
S-T	0 / 2717	-17.5	-17.5	0.58 (1)	10.00			
T-J	0 / 2717	-17.5	-17.5	0.58 (1)	10.00			
J-U	0 / 0	-17.5	-17.5	0.14 (1)	10.00			
U-V	0 / 0	-17.5	-17.5	0.14 (1)	10.00			
V-I	0 / 0	-17.5	-17.5	0.14 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT	15-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
I	17-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
O	15-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
I	15-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
T	15-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
U	17-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-
V	19-9-12	-123	-123	-	BACK	VERT	TOTAL	-	-

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.0 PSF

TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, NBC 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 (0.69")

CALCULATED VERT. DEFL.(LL) = L/999 (0.07")

ALLOWABLE DEFL.(TL) = L/360 (0.69")

CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.33/1.00 (H-I-1), BC=0.56/1.00 (J-K-1), WB=0.45/1.00 (H-J-1), SSI=0.32/1.00 (J-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(OR)Y SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 818 354 1697 788 1967 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

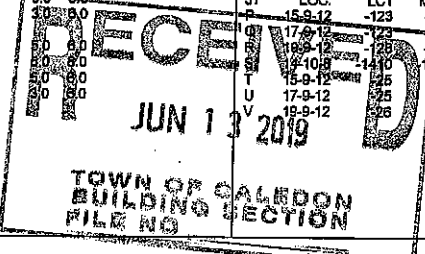
JSI GRIP = 0.88 (H) (INPUT = 0.90)

JSI METAL = 0.38 (H) (INPUT = 1.00)

DRWG NO. TAM 7705389

STRUCTURAL

COMPONENT ONLY



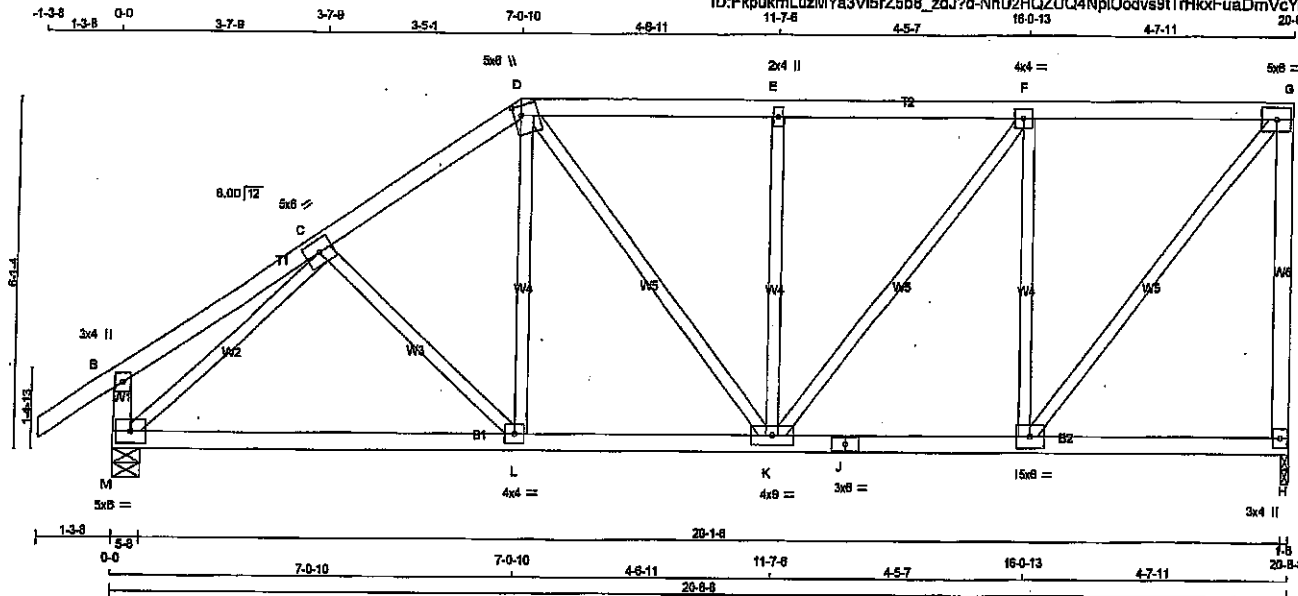
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T31	2	1	TRUSS DESC.		

Tamersack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V16rZ5b8_zdJ7d-NnU2HQZUQ4NplOodvs9ITrHkxFuaDmVcY11bMpzZDo

Scale = 1:37.1



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
M - B	2x4	DRY	No.2
M - J	2x4	DRY	No.2
J - H	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
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-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	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1238	0	1238	0	0	1-8	1-8
M	1379	0	1379	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	870	601 / 0	0 / 0	0 / 0	0 / 0	0 / 0	269 / 0	0 / 0
M	967	681 / 0	0 / 0	0 / 0	0 / 0	0 / 0	286 / 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 = 5.53 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	0 / 39	-102.1 -102.1	0.14 (1)	10.00	C-L	-97 / 18	0.04 (1)
B-C	0 / 22	-102.1 -102.1	0.18 (1)	10.00	L-D	0 / 195	0.05 (4)
C-D	-1231 / 0	-102.1 -102.1	0.22 (1)	5.53	M-C	-1500 / 0	0.58 (1)
D-E	-1121 / 0	-102.1 -102.1	0.29 (1)	5.81	I-G	0 / 1287	0.29 (1)
E-F	-1121 / 0	-102.1 -102.1	0.31 (1)	5.58	D-K	0 / 183	0.04 (1)
F-G	-809 / 0	-102.1 -102.1	0.30 (1)	6.25	I-F	-918 / 0	0.54 (1)
H-G	-1208 / 0	0.0 0.0	0.87 (1)	7.29	K-E	-497 / 0	0.29 (1)
M-B	-280 / 0	0.0 0.0	0.03 (1)	7.81	K-F	0 / 512	0.12 (1)
M-L	0 / 1075	-17.5 -17.5	0.28 (1)	10.00			
L-K	0 / 1008	-17.5 -17.5	0.27 (4)	10.00			
K-J	0 / 809	-17.5 -17.5	0.18 (1)	10.00			
J-I	0 / 809	-17.5 -17.5	0.18 (1)	10.00			
I-H	0 / 0	-17.5 -17.5	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 = 7.0 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, OSC 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) = $L/360$ (0.69")
CALCULATED VERT. DEFL.(LL) = $L/989$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.69")
CALCULATED VERT. DEFL.(TL) = $L/989$ (0.10")

CSI: TC=0.87/1.00 (G-H:1), BC=0.28/1.00 (L-M:1), WB=0.58/1.00 (C-M:1), SS=0.22/1.00 (F-G: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.

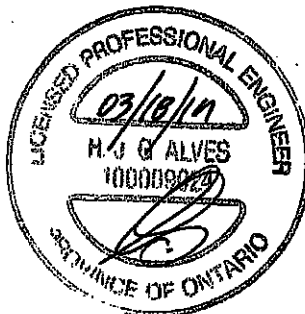
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.73 (G) (INPUT = 0.80)
JSI METAL= 0.38 (C) (INPUT = 1.00)

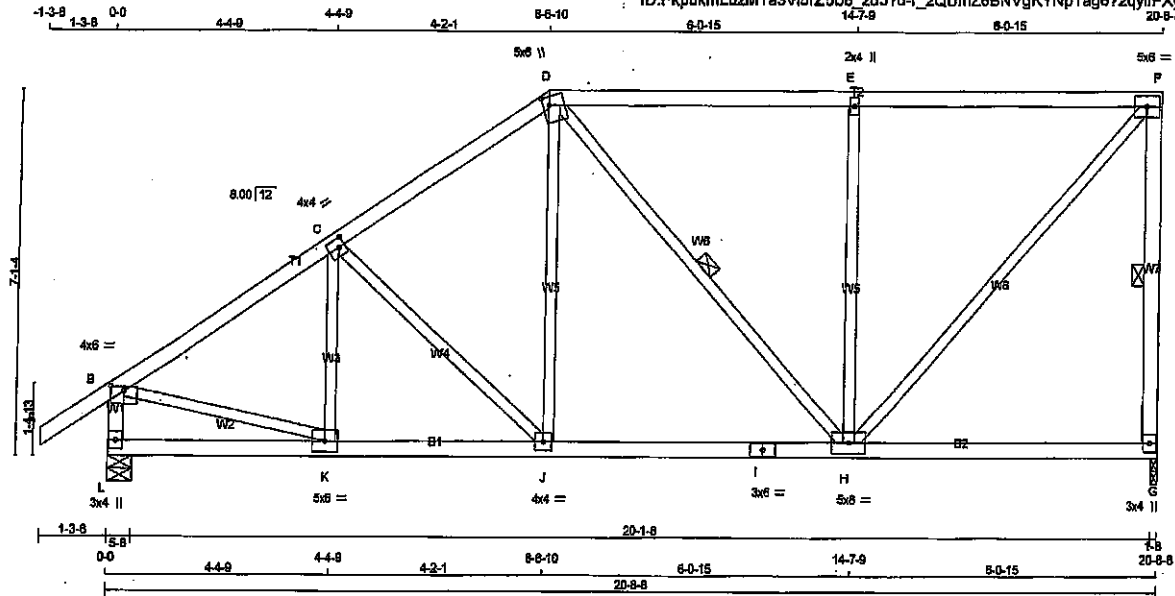


DRWG NO. TAM 71905391
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1/4\"/>

TOTAL WEIGHT = 95 lb

LUMBER

N. L. G. A. RULES

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

ALL WEBS

EXCEPT

DRY: SEASONED LUMBER.

DESCR.

SPF	
SPF	
SPF	
SPF	
SPF	
SPF	

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	1238	0	1238	0
L	1379	0	1379	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX / MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE		
G	870	601 / 0	0 / 0	0 / 0	269 / 0	0 / 0
L	987	681 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

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

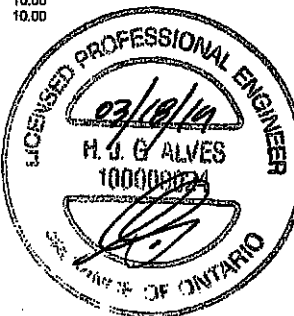
1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

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				WEBBS				
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED		
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)			(LBS)	CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-202 / 8	0.08 (1)
B-C	-1329 / 0	-102.1	-102.1	0.35 (1)	5.19	C-J	-291 / 0	0.17 (1)
C-D	-1132 / 0	-102.1	-102.1	0.33 (1)	5.53	J-D	0 / 288	0.08 (1)
D-E	-860 / 0	-102.1	-102.1	0.88 (1)	5.37	D-H	-91 / 0	0.05 (1)
E-F	-860 / 0	-102.1	-102.1	0.88 (1)	5.37	H-E	-769 / 0	0.67 (1)
G-F	-1195 / 0	0.0	0.0	0.27 (1)	5.85	H-F	0 / 1287	0.29 (1)
L-B	-1344 / 0	0.0	0.0	0.14 (1)	5.99	B-K	0 / 1183	0.28 (1)
L-K	0 / 0	-17.5	-17.5	0.07 (4)	10.00			
K-J	0 / 1129	-17.5	-17.5	0.23 (1)	10.00			
J-I	0 / 920	-17.5	-17.5	0.23 (4)	10.00			
I-H	0 / 920	-17.5	-17.5	0.23 (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 = 8.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 8 OF BCBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.69")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.69")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CSI: TC=0.88/1.00 (E-F:1), BC=0.23/1.00 (H-J:4),
WB=0.67/1.00 (E-H:1), SSI=0.30/1.00 (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) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1997 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.78 (B) (INPUT = 0.90)
JSI METAL= 0.33 (B) (INPUT = 1.00)

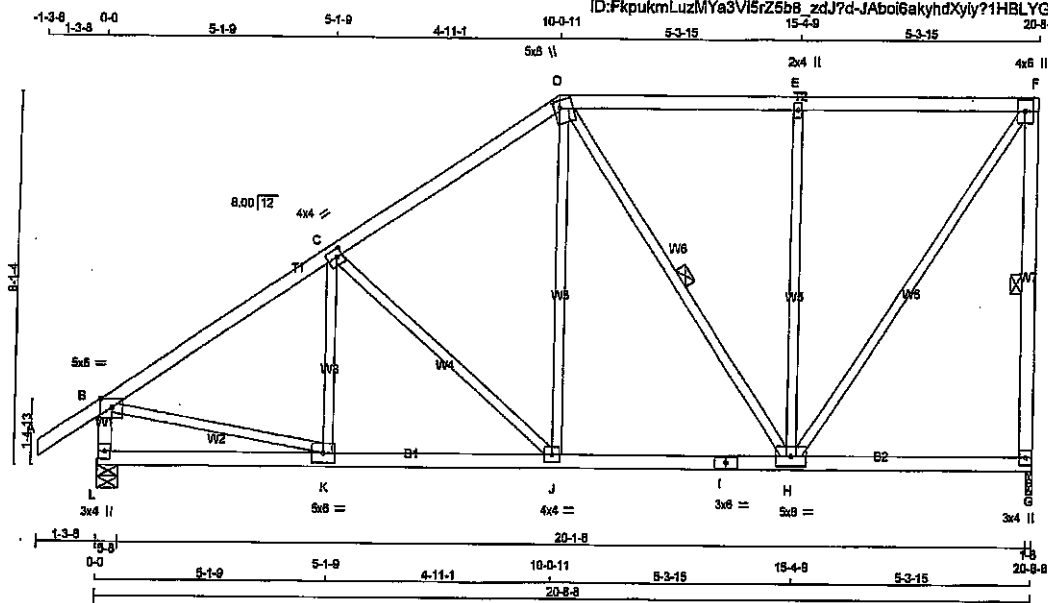
DRWG NO. TAM 77905392
STRUCTURAL
CONSULTANT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T33	1	1	TRUSS DESC.		

Tamarack Roof Trusses, Burlington

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Scale = 1/48.5

TOTAL WEIGHT = 101 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	
L - B	2x4	DRY	No.2	SPF	
L - I	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
G	1238	0	1238	0	1-8	1-8
L	1379	0	1379	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOASE		MAX/MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE		
G	870	801 / 0	0 / 0	0 / 0	289 / 0	0 / 0
L	987	681 / 0	0 / 0	0 / 0	289 / 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 = 4.98 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 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)	LC1 MAX CSI (LC)	MAX. UNBRAC 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	-143 / 40	0.05 (1)
B-C	-1335 / 0	-102.1	-102.1	0.50 (1)	4.98	C-J	-428 / 0	0.36 (1)
C-D	-1023 / 0	-102.1	-102.1	0.47 (1)	5.52	J-D	0 / 371	0.08 (1)
D-E	-880 / 0	-102.1	-102.1	0.50 (1)	6.25	D-H	-259 / 0	0.16 (1)
E-F	-861 / 0	-102.1	-102.1	0.50 (1)	8.25	H-E	-673 / 0	0.85 (1)
F-G	-1200 / 0	0.0	0.0	0.36 (1)	5.84	H-F	0 / 1202	0.27 (1)
G-B	-1340 / 0	0.0	0.0	0.14 (1)	7.00	B-K	0 / 1164	0.26 (1)
L-K	0 / 0	-17.5	-17.5	0.10 (4)	10.00			
K-J	0 / 1139	-17.5	-17.5	0.23 (1)	10.00			
J-I	0 / 826	-17.5	-17.5	0.19 (1)	10.00			
I-H	0 / 826	-17.5	-17.5	0.19 (1)	10.00			
H-G	0 / 0	-17.5	-17.5	0.12 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 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 (0.89")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.89")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CS1: TO=0.50/1.00 (E-F:1), BC=0.23/1.00 (J-K:1), WB=0.85/1.00 (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

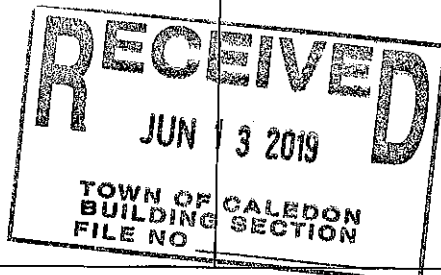
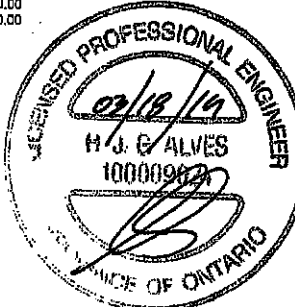
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 786 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (B) (INPUT = 0.80)
JSI METAL= 0.31 (F) (INPUT = 1.00)



DWG NO. TAM 71905393
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 93 lb

LUMBER

DESCR

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

BUILDING BEARINGS

	CROSS REACTION		CROSS REACTION			INC	INC
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	1104	0	1104	0	0	1-B	1-B
J	1104	0	1104	0	0	MECHANICAL	

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

DESIGN CRITERIA

SPECIFIED LOADS:

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 2
- 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.49/1.00 (D-E:1), BC=0.28/1.00 (G-I:4),
WB=0.66/1.00 (D-G:1), SS=0.26/1.00 (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.

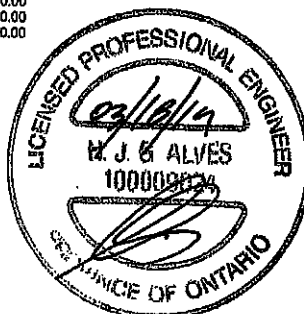
NAIL VALUES	GRIP (DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	788	1987	1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

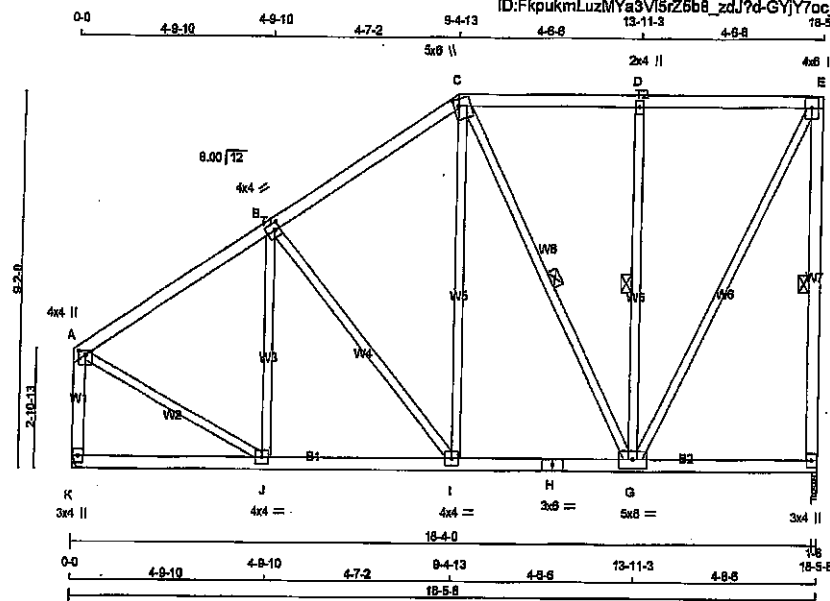
JSI GRIP= 0.70 (J) (INPUT = 0.80)
JSI METAL= 0.26 (B) (INPUT = 1.00)

DWG NO. TAM 7105394
STRUCTURAL
COMPONENT ONLY



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T35	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:27 2019 Page 1
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Scale = 1:52.2

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - C	2x4	DRY	No.2
C - 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
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMW+P	MT20	4.0	4.0	1.25	2.00
B - TMW+I	MT20	4.0	4.0	2.00	1.50
C - TTW+m	MT20	5.0	6.0	2.00	1.50
D - TMW+P	MT20	2.0	4.0		
E - TMW+P	MT20	4.0	6.0		
F - BMV+P	MT20	3.0	4.0		
G - BMW+I	MT20	5.0	6.0		
H - BS-I	MT20	3.0	6.0		
I - BMW+I	MT20	4.0	4.0		
J - BMW+I	MT20	4.0	4.0		
K - BMV+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
JT	VERT	HORZ	DOWN	HORZ
F	1104	0	1104	0
K	1104	0	1104	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
F	778	538/0	0/0
K	778	538/0	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 = 9.24 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)	LC1 MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	
FR-TO		FROM TO	CSI (LC)	FR-TO			
A-B	-849/0	-102.1 -102.1	0.30 (1)	8.24	J-B	-299/0	0.18 (1)
B-C	-725/0	-102.1 -102.1	0.30 (1)	6.25	B-I	-250/0	0.27 (1)
C-D	-459/0	-102.1 -102.1	0.26 (1)	6.25	I-C	0/288	0.03 (1)
D-E	-459/0	-102.1 -102.1	0.28 (1)	6.25	C-G	-263/0	0.18 (1)
E-F	-1070/0	0.0	0.0	4.21	G-D	-570/0	0.31 (1)
K-A	-1070/0	0.0	0.0	0.18 (1)	7.62	G-E	0/1002
					A-J	0/831	0.18 (1)
K-J	0/0	-17.5 -17.5	0.10 (4)	10.00			
J-I	0/732	-17.5 -17.5	0.17 (1)	10.00			
I-H	0/578	-17.5 -17.5	0.13 (1)	10.00			
H-G	0/578	-17.5 -17.5	0.13 (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 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 42.0 PSF

SPACING = 21.0 IN/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-08, 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/899 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/899 (0.08")

CSI: TC=0.42/1.00 (E-F:1), BC=0.17/1.00 (I-J:1), WB=0.31/1.00 (D-G:1), SSI=0.22/1.00 (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

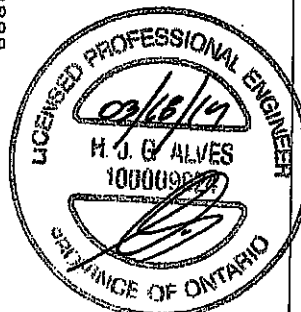
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 768 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

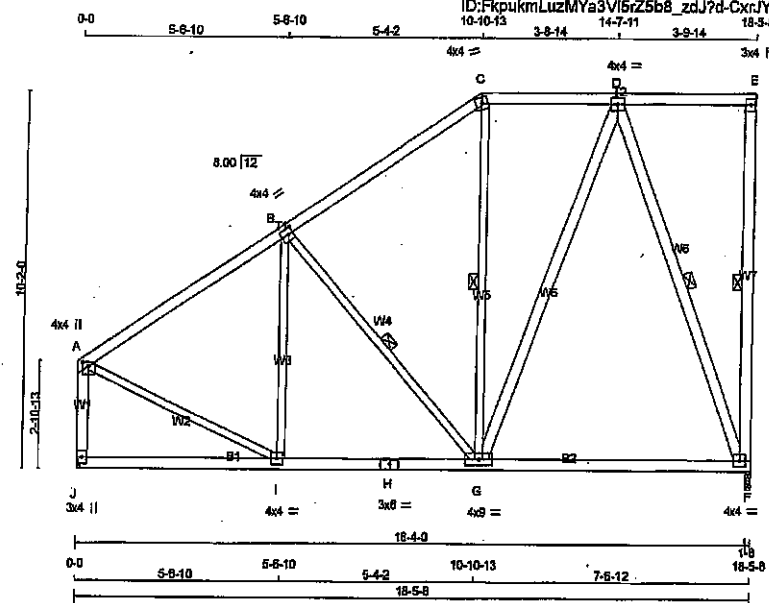
SI GRIP= 0.88 (J) (INPUT = 0.90)
SI METAL= 0.27 (J) (INPUT = 1.00)



DWG NO. TAM 11905395
STRUCTURAL
CONSENT ONLY

JOB NAME 401769	TRUSS NAME T36	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamrack Roof Truss, Burlington Version 6.230 8 Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:18:29 2019 Page 1
ID: FkpukmLuzMYa3V16zZ5b8_zdJ7d-CxnJYTdE0w7yRjFnG7GH16XtgyFvD2UwhUvZtZzJD



TOTAL WEIGHT = 3 X 108 = 317 lb

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
F - E	2x4	DRY	No.2	SPF		
J - A	2x4	DRY	No.2	SPF		
J - H	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS EXCEPT	2x8	DRY	No.2	SPF		
G - D	2x4	DRY	No.2	SPF		
D - F	2x4	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	4.0	1.25	2.00
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-p	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW-t	MT20	4.0	4.0		
G	BMVW-w	MT20	4.0	9.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMV+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	1104	1104
F	HORIZ	HORIZ	0	0
J	UPLIFT	UPLIFT	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	PERM. LIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	0/0	0/0	240/0	0/0
F	776	538/0	0/0	0/0	0/0
J	776	538/0	0/0	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 = 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO						FR-TO			
A-B	-862/0	-102.1	-102.1	0.41 (1)	6.03	I-B	-253/3	0.18 (1)	
B-C	-646/0	-102.1	-102.1	0.40 (1)	6.25	B-G	-371/0	0.17 (1)	
C-D	-505/0	-102.1	-102.1	0.19 (1)	6.25	G-C	-10/50	0.02 (4)	
D-E	0/0	-102.1	-102.1	0.24 (1)	10.00	G-D	0/451	0.07 (1)	
E-F	-148/0	0.0	0.0	0.08 (1)	6.25	D-F	-987/0	0.57 (1)	
J-A	-1082/0	0.0	0.0	0.18 (1)	7.84	A-I	0/825	0.19 (1)	
J-I	0/0	-17.5	-17.5	0.11 (4)	10.00				
I-H	0/748	-17.5	-17.5	0.26 (4)	10.00				
H-G	0/748	-17.5	-17.5	0.28 (4)	10.00				
G-F	0/349	-17.5	-17.5	0.23 (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 BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.41/1.00 (A-B:1), BC=0.26/1.00 (G-I:4), WB=0.57/1.00 (D-F:1), SS=0.23/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

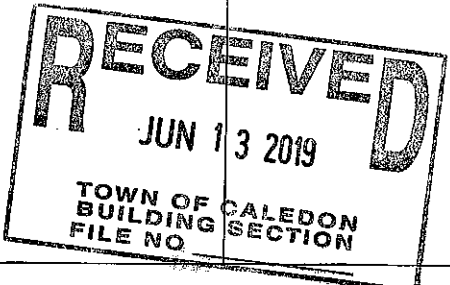
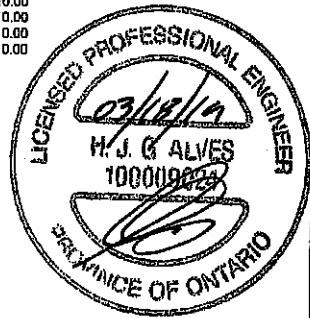
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

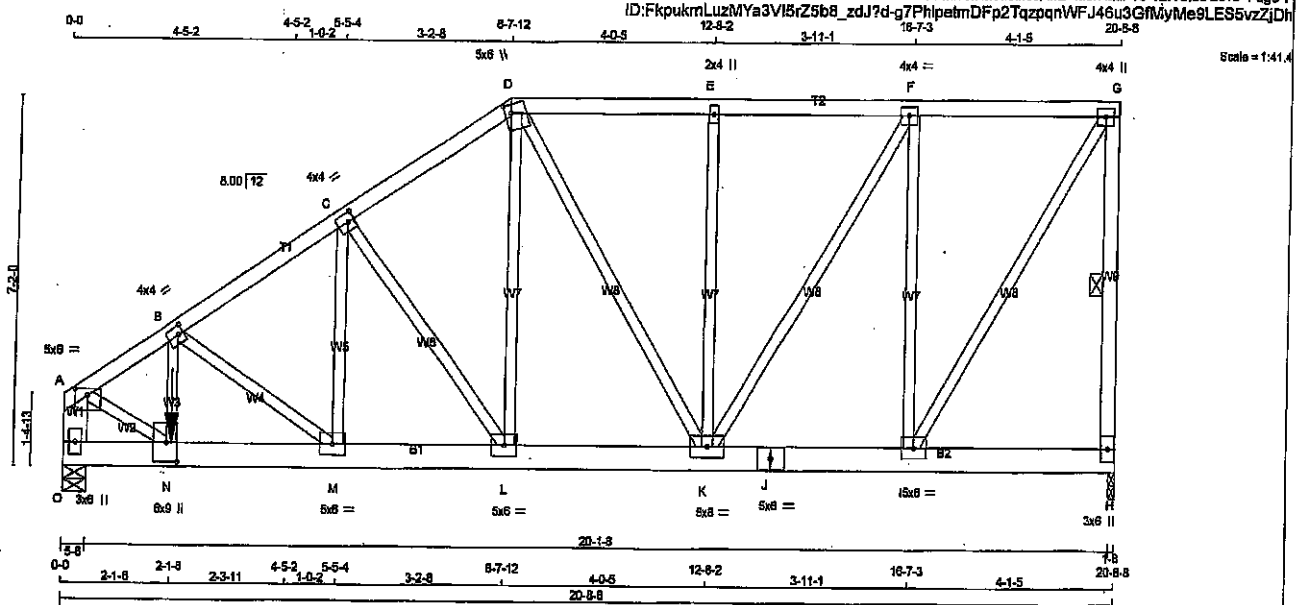
JSI GRIP= 0.88 (I) (INPUT = 0.90)
JSI METAL= 0.28 (I) (INPUT = 1.00)



DRWG NO. TAM 71905396
STRUCTURAL
CONSENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T37	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 2 X 120 = 239 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		
H - G	2x4	DRY	No.2	SPF		
O - A	2x6	DRY	No.2	SPF		
D - J	2x6	DRY	No.2	SPF		
J - H	2x6	DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-D 1	12	TOP
D-G 1	12	TOP
G-H 1	12	TOP
O-A 2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
O-J 2	5	SIDE (549.3)
J-H 2	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
B-N 1	2	SIDE (411.7)
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 TMWV-p	MT20	5.0	6.0	1.50	3.00
B TMWV-l	MT20	4.0	4.0	2.00	1.25
C TMWV-l	MT20	4.0	4.0	2.00	1.50
D TMWV-m	MT20	5.0	6.0	2.00	1.50
E TMWV-w	MT20	2.0	4.0		
F TMWV-t	MT20	4.0	4.0		
G TMWV-p	MT20	4.0	4.0		
H BMV1-p	MT20	3.0	6.0		
I L M					
J BMWV-l	MT20	5.0	6.0		
K BS-l	MT20	5.0	6.0		
L BMWV-l	MT20	5.0	6.0		
N BMWV-l	MT20	6.0	9.0	4.80	2.75
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	HORZ	DOWN	HORZ
H	1616	0	1-8	1-8
O	4544	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	1138	789 / 0	0 / 0	0 / 0	0 / 0	0 / 0	347 / 0	0 / 0
O	3189	2235 / 0	0 / 0	0 / 0	0 / 0	0 / 0	954 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.45 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.

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

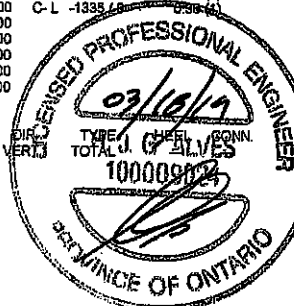
LOADING

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)	MAX. UNBRACED LENGTH	MAX. CSI (LC)	
FR-TO		FROM	TO		FR-TO				
A-B	-4494 / 0	-102.1	-102.1	0.11 (1)	4.45	N-B	0 / 1686	0.21 (1)	
B-C	-2811 / 0	-102.1	-102.1	0.12 (1)	5.36	L-D	0 / 1143	0.14 (1)	
C-D	-1916 / 0	-102.1	-102.1	0.10 (1)	6.21	A-N	0 / 4131	0.51 (1)	
D-E	-1364 / 0	-102.1	-102.1	0.12 (1)	6.25	I-G	0 / 1851	0.20 (1)	
E-F	-1384 / 0	-102.1	-102.1	0.13 (1)	6.25	D-K	-450 / 0	0.28 (1)	
F-G	-855 / 0	-102.1	-102.1	0.12 (1)	6.25	I-F	-1332 / 0	0.57 (1)	
H-G	-1584 / 0	0.0	0.0	0.18 (1)	8.25	K-E	-435 / 0	0.19 (1)	
O-A	-4353 / 0	0.0	0.0	0.16 (1)	6.87	K-F	0 / 1017	0.13 (1)	
						B-M	-1715 / 0	0.28 (1)	
						M-C	0 / 1185	0.16 (1)	
						C-L	-1335 / 0	0.35 (1)	
O-N	0 / 0	-17.5	-17.5	0.13 (1)	10.00				
N-M	0 / 3740	-17.5	-17.5	0.38 (1)	10.00				
M-L	0 / 2354	-17.5	-17.5	0.16 (1)	10.00				
L-K	0 / 1594	-17.5	-17.5	0.12 (1)	10.00				
K-J	0 / 855	-17.5	-17.5	0.07 (1)	10.00				
J-I	0 / 855	-17.5	-17.5	0.07 (1)	10.00				
I-H	0 / 0	-17.5	-17.5	0.02 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE
N	2-1-8	-3684	-3684		BACK



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

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

(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) = $L/360$ (0.69")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.69")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.06")

CSI: TC=0.18/1.00 (G-H:1), BC=0.38/1.00 (M-N:1)
WB=0.57/1.00 (F-I:1), SS=0.11/1.00 (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 (PSI)	SECTION (PLI)
MT20	618	354	1667

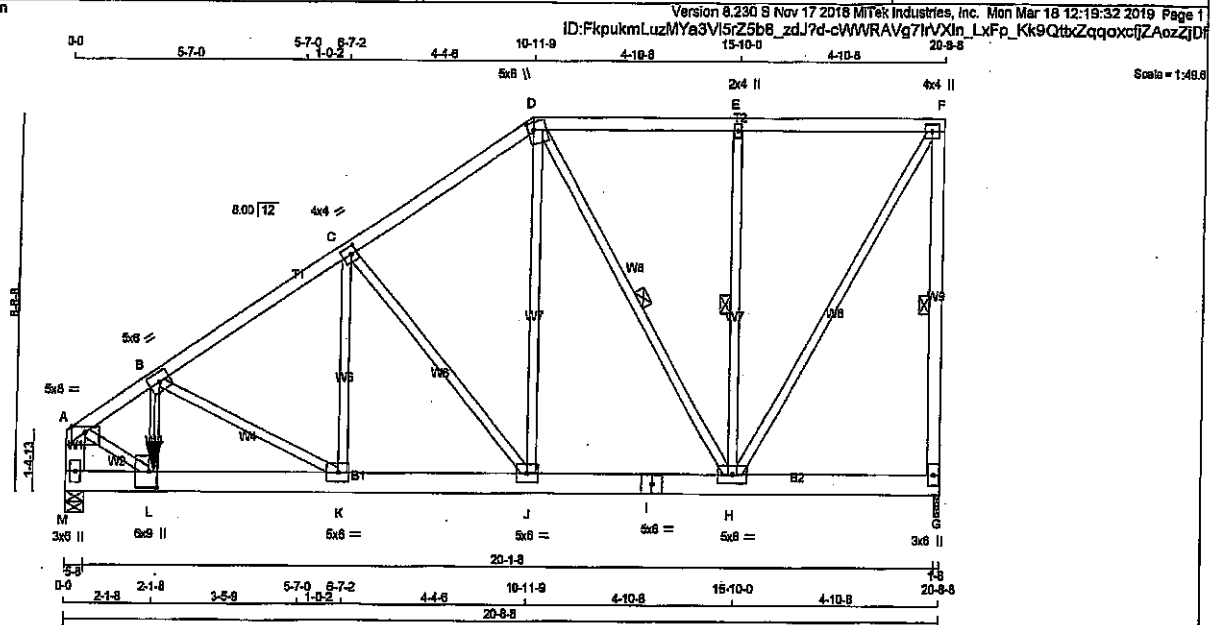
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP = 0.80 (N) (INPUT = 0.80)
SI METAL = 0.55 (N) (INPUT = 1.00)

DRWG NO. TAM 1905397
STRUCTURAL
COORDINATE ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T38	1	2	GREEN PARK HOMES	
Tamanack Roof Truss, Burlington		TRUSS DESC.			



TOTAL WEIGHT = 2 X 118 = 237 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	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 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 - D 1	12	TOP
D - F 1	12	TOP
F - G 1	12	TOP
M - A 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M - I 2	4	SIDE(671.4)
I - G 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
B - L 1	2	SIDE(444.4)
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	TMWV-p	MT20	5.0	8.0	Edge	
B	TMWV-l	MT20	5.0	6.0		
C	TMWV-l	MT20	4.0	4.0	2.00	1.50
D	TTWV+m	MT20	5.0	6.0	2.00	1.50
E	TMWV-w	MT20	2.0	4.0		
F	TMWV-p	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMWVW-l	MT20	5.0	8.0		
I	BS-l	MT20	5.0	6.0		
J	BMWVW-l	MT20	5.0	6.0		
K	BMWVW-l	MT20	5.0	6.0		
L	BMWVW-l	MT20	8.0	9.0	4.50	2.25
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	RECORD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
G	1677	0	0	1-8
M	5077	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD
G	1178	818 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
M	3582	2496 / 0	0 / 0	0 / 0	0 / 0	1066 / 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 = 4.22 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

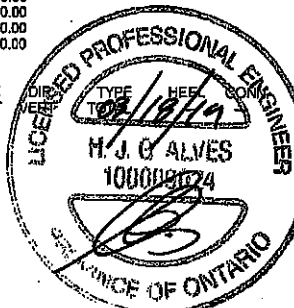
LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	FACTORED	FACTORED	WEBS	MAX. FACTORED	FACTORED	FACTORED	FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)	LC1 (LC)	MAX. UNBRACED LENGTH	MAX. UNBRACED LENGTH
FR-TO					FR-TO				
A-B	-5060 / 0	-102.1	-102.1	0.12 (1)	4.22	L-B	0 / 2074	0.26 (1)	
B-C	-2866 / 0	-102.1	-102.1	0.21 (1)	5.38	J-D	0 / 1224	0.15 (1)	
C-D	-1552 / 0	-102.1	-102.1	0.18 (1)	6.25	D-H	-852 / 0	0.26 (1)	
D-E	-853 / 0	-102.1	-102.1	0.22 (1)	6.25	H-E	-814 / 0	0.15 (1)	
E-F	-854 / 0	-102.1	-102.1	0.22 (1)	6.25	H-F	0 / 1680	0.21 (1)	
G-F	-1839 / 0	0.0	0.0	0.28 (1)	6.25	A-L	0 / 4682	0.58 (1)	
M-A	-4879 / 0	0.0	0.0	0.17 (1)	6.57	B-K	-2256 / 0	0.49 (1)	
						K-C	0 / 1271	0.18 (1)	
						C-J	-1520 / 0	0.70 (1)	
M-L	0 / 0	-17.5	-17.5	0.14 (1)	10.00				
L-K	0 / 4221	-17.5	-17.5	0.41 (1)	10.00				
K-J	0 / 2236	-17.5	-17.5	0.17 (1)	10.00				
J-I	0 / 1281	-17.5	-17.5	0.10 (1)	10.00				
I-H	0 / 1281	-17.5	-17.5	0.10 (1)	10.00				
H-G	0 / 0	-17.5	-17.5	0.03 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIRECT	TYPE	HEEL	CON.
L	2-1-8	-4277	-4277	-	FRONT	VER	100000024		



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 LG

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, 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 (0.69")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.69")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.28/1.00 (F-G:1), BC=0.41/1.00 (K-L:1), WB=0.70/1.00 (C-J:1), SSF=0.13/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LB 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 SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.87 (F) (INPUT = 0.80)
JSI METAL = 0.83 (L) (INPUT = 1.00)

DRWG NO. TAM 77905398
STRUCTURAL
COMPONENT ONLY

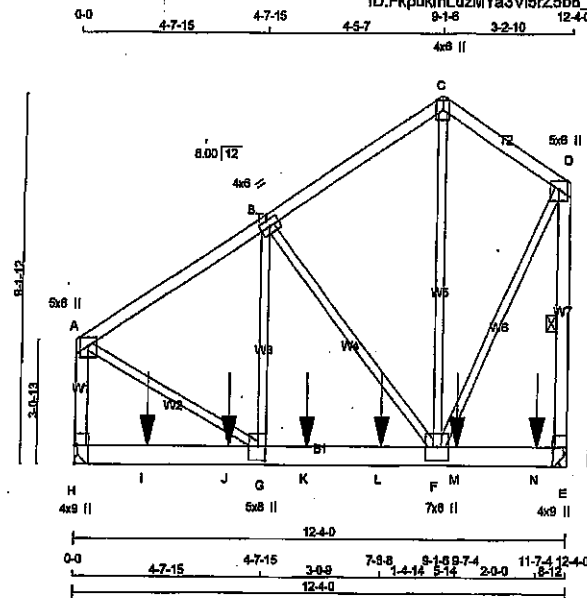
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T39	1	2	TRUSS DESC.		

Tamereck Roof Truss, Burlington

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Scale = 1:50.0



TOTAL WEIGHT = 2 X 78 = 152 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - D	2x4	DRY	No.2	SPF	
H - A	2x4	DRY	No.2	SPF	
E - D	2x4	DRY	No.2	SPF	
H - E	2x8	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		
A-C 1 12	TOP	
C-D 1 12	TOP	
H-A 1 12	TOP	
E-D 1 12	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
H-E 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 TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMWw+p	MT20	5.0	8.0	Edge
B	TMWw+1	MT20	4.0	8.0	
C	TTWw+p	MT20	4.0	6.0	Edge
D	TMWw+p	MT20	5.0	8.0	Edge
E	BMV1+1	MT20	4.0	8.0	Edge 0.50
F	BMWw+1	MT20	7.0	8.0	
G	BMWw+1	MT20	5.0	8.0	4.25 2.25
H	BMV1+1	MT20	4.0	9.0	5.50

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
H	3702	0	3702	0	MECHANICAL	
E	4295	0	4295	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LOASE		MAX/MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE		
H	2597	1820 / 0	0 / 0	0 / 0	777 / 0	0 / 0
E	3013	2112 / 0	0 / 0	0 / 0	902 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.27 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-E.

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)	MAX. CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	-2757 / 0	-102.1	-102.1	0.23 (1)	5.27	G-B	0 / 1578	0.20 (1)	
B-C	-1500 / 0	-102.1	-102.1	0.19 (1)	8.25	B-F	-1790 / 0	0.92 (1)	
C-D	-1470 / 0	-102.1	-102.1	0.11 (1)	6.25	F-C	0 / 1283	0.16 (1)	
H-A	-3056 / 0	0.0	0.0	0.25 (1)	8.81	A-G	0 / 2885	0.33 (1)	
E-D	-3488 / 0	0.0	0.0	0.40 (1)	5.01	F-D	0 / 2795	0.33 (1)	
H-I	0 / 0	-17.5	-17.5	0.44 (1)	10.00				
I-J	0 / 0	-17.5	-17.5	0.44 (1)	10.00				
J-G	0 / 0	-17.5	-17.5	0.44 (1)	10.00				
G-K	0 / 2317	-17.5	-17.5	0.59 (1)	10.00				
K-L	0 / 2317	-17.5	-17.5	0.59 (1)	10.00				
L-F	0 / 2317	-17.5	-17.5	0.59 (1)	10.00				
F-M	0 / 0	-17.5	-17.5	0.27 (1)	10.00				
M-N	0 / 0	-17.5	-17.5	0.27 (1)	10.00				
N-E	0 / 0	-17.5	-17.5	0.27 (1)	10.00				

02/19/11

H. J. G. AL

1000098

LICENSED PROFESSIONAL

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TOTAL
I	1-8-12	-1088	-1088	-	FRONT	VERT	TOTAL
J	3-8-12	-1088	-1088	-	FRONT	VERT	TOTAL
K	8-8-12	-1088	-1088	-	FRONT	VERT	TOTAL
L	7-8-8	-1088	-1088	-	FRONT	VERT	TOTAL
M	9-7-4	-1088	-1088	-	FRONT	VERT	TOTAL
N	11-7-4	-1088	-1088	-	FRONT	VERT	TOTAL

DESIGN CRITERIA

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

SPACING = 24.0 IN. CGC

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 (0.41")
CALCULATED VERT. DEFL. (LL) = L/998 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.41")
CALCULATED VERT. DEFL. (TL) = L/998 (0.07")

CSI: TC=0.40/1.00 (D-E:1), BC=0.59/1.00 (F-G:1),
WB=0.92/1.00 (H-F:1), SS=0.53/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

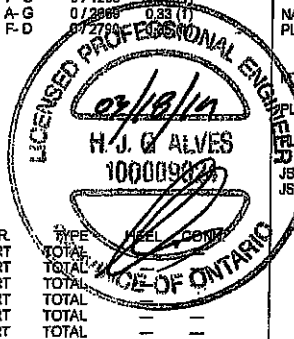
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MT20 618 354 1987 788 1987 1558

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.80)
JSI METAL= 0.53 (A) (INPUT = 1.00)

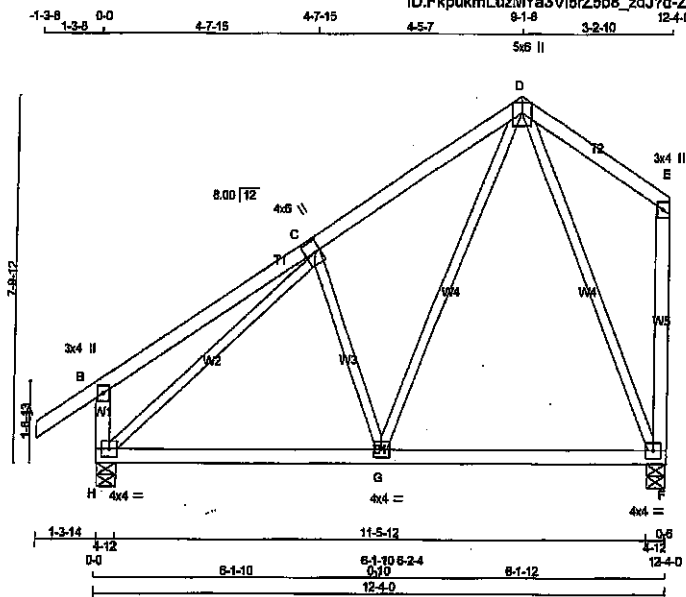


DRWG NO. TAM 71905399
STRUCTURAL
CONSULTANT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T40	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:45.5

TOTAL WEIGHT = 62 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
H - B	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW+1	MT20	4.0	8.0	3.00	1.25
D	TTVW+p	MT20	5.0	8.0	Edge	
E	TMV+p	MT20	3.0	4.0		
F	BMVW+1	MT20	4.0	4.0		
G	BMVW+1	MT20	4.0	4.0		
H	BMVW+1	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT.	HORZ.	DOWN	HORZ.		
F	738	0	738	0	4-12	4-12
H	878	0	878	0	4-12	4-12

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
F	518	-358 / 0	0 / 0	0 / 0	0 / 0	180 / 0	0 / 0
H	815	438 / 0	0 / 0	0 / 0	0 / 0	177 / 0	0 / 0

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

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. UNBRACED LENGTH	WEBS MAX. FACTORED FORCE (LBS)
		FROM	TO		
FR-TO					
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00
B-C	0 / 31	-102.1	-102.1	0.35 (1)	10.00
C-D	-523 / 0	-102.1	-102.1	0.27 (1)	8.25
D-E	0 / 0	-102.1	-102.1	0.18 (1)	10.00
H-B	-317 / 0	0.0	0.0	0.03 (1)	7.81
F-E	-164 / 0	0.0	0.0	0.10 (1)	7.81
H-G	0 / 531	-17.5	-17.5	0.23 (4)	10.00
G-F	0 / 228	-17.5	-17.5	0.20 (4)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. 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 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.35/1.00 (B-C:1), BC=0.23/1.00 (G-H:4),
WB=0.79/1.00 (D-F:1), SSI=0.19/1.00 (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.

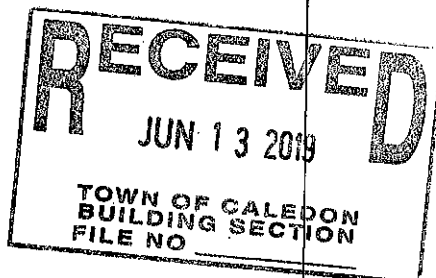
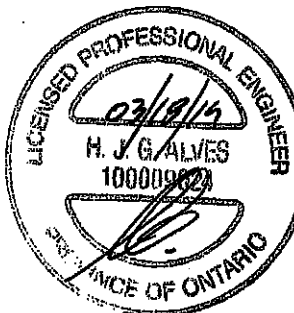
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	(FLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1657 788	1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (C) (INPUT = 0.80)
JSI METAL= 0.35 (C) (INPUT = 1.00)



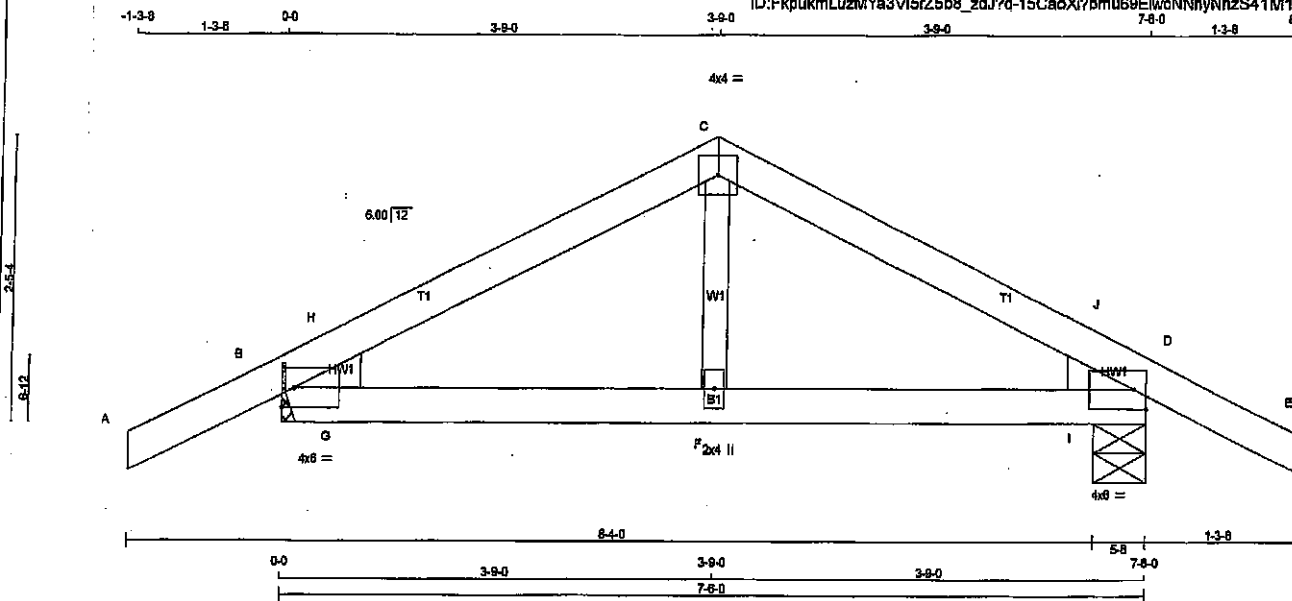
DWG NO. TAM 11905400
STRUCTURAL
COMMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T42	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:18.2



TOTAL WEIGHT = 25 lb
(MIF)

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-I	MT20	4.0	8.0	Edge
C	TTW-p	MT20	4.0	4.0	
D	TMBH1-I	MT20	4.0	8.0	Edge
F	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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL WEDGE
B	587 0	587 0	0	0	2x4 L
D	587 0	587 0	0	0	2x4 R

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	410	287 / 0	0 / 0	0 / 0	0 / 0	114 / 0	0 / 0	0 / 0
D	410	287 / 0	0 / 0	0 / 0	0 / 0	114 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	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 / 21		-102.1	-102.1	0.13 (1)	10.00							
B-H	-809 / 0		-102.1	-102.1	0.07 (1)	6.25							
H-C	-480 / 0		-102.1	-102.1	0.13 (1)	6.25							
C-J	-480 / 0		-102.1	-102.1	0.13 (1)	6.25							
J-D	-809 / 0		-102.1	-102.1	0.07 (1)	6.25							
D-E	0 / 21		-102.1	-102.1	0.13 (1)	10.00							
B-G	0 / 421		-17.5	-17.5	0.15 (1)	10.00							
G-F	0 / 421		-17.5	-17.5	0.15 (1)	10.00							
F-I	0 / 421		-17.5	-17.5	0.15 (1)	10.00							
I-D	0 / 421		-17.5	-17.5	0.15 (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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, NBC 2012
- CSA 088-09, 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 (0.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.13/1.00 (C-H:1), BC=0.15/1.00 (B-G:1), WB=0.03/1.00 (C-F:1), SS=0.13/1.00 (C-H: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.

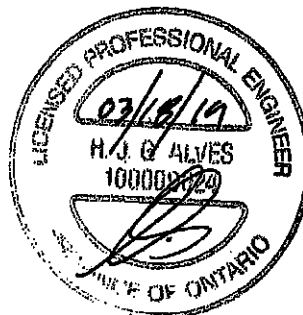
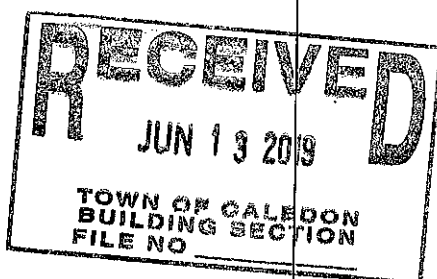
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1887
	788	1887	1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.73 (C) (INPUT = 0.80)
JSI METAL= 0.12 (C) (INPUT = 1.00)

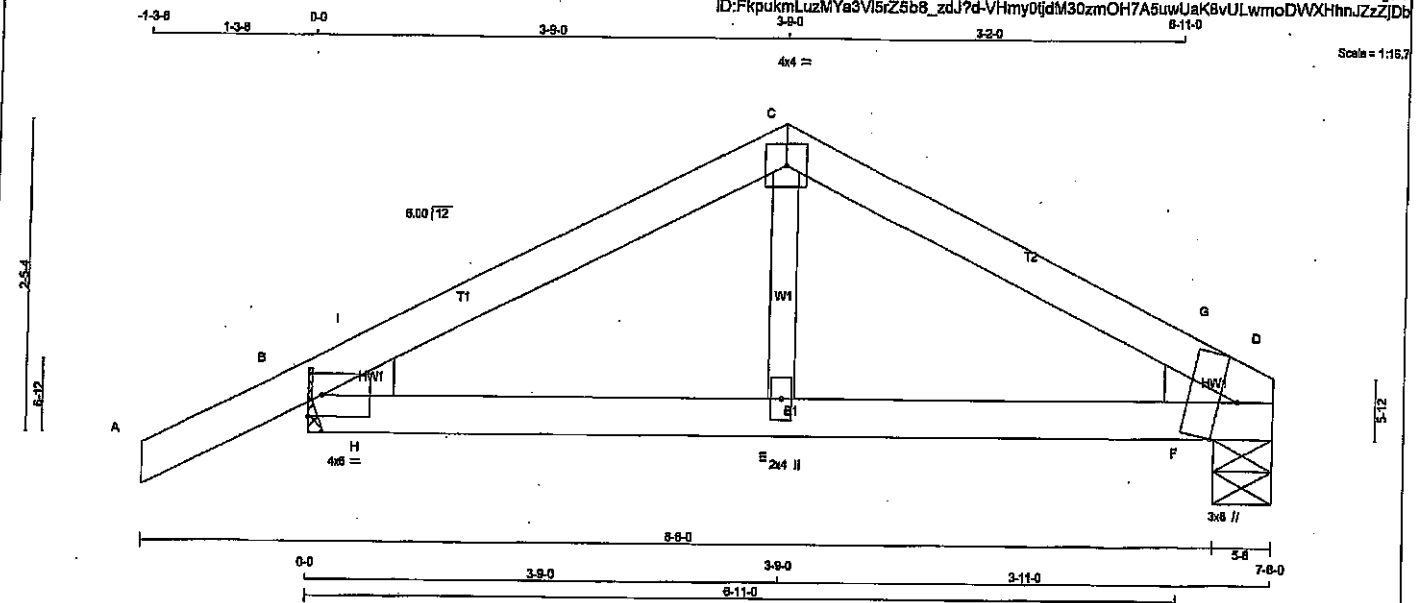


DRWG NO. TAM 71905402
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T42A	2	1	GREEN PARK HOMES	

Tamareck Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:18:38 2018 Page 1
ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-VHmy0jdM30zmOH7A5uwUaK8vULwmoDWXhnnJZZJDb



TOTAL WEIGHT = 2 X 23 = 46 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF
C - D	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-I	MT20	4.0	6.0		Edge
C	TTW-p	MT20	4.0	4.0		
D	TBMH1+m	MT20	3.0	6.0		Edge 1.75
E	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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG	HEEL
	VERT	DOWN	IN-SX	IN-SX	WEDGE
D	458	0	5-8	5-8	2x4 R
B	597	0	MECHANICAL		2x4 L

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

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	322	223 / 0	0 / 0	0 / 0	0 / 0	100 / 0	0 / 0
B	417	301 / 0	0 / 0	0 / 0	0 / 0	116 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	0 / 21		-102.1	-102.1	0.13 (1)	10.00	E-C	0 / 144	0.03 (1)
B-I	-534 / 0		-102.1	-102.1	0.07 (1)	6.25	F-G	-155 / 8	0.00 (1)
I-C	-505 / 0		-102.1	-102.1	0.13 (1)	6.25	H-I	-123 / 20	0.00 (1)
C-G	-501 / 0		-102.1	-102.1	0.15 (1)	6.25			
G-D	-521 / 0		-102.1	-102.1	0.04 (1)	6.25			
B-H	0 / 443		-17.5	-17.5	0.15 (1)	10.00			
H-E	0 / 443		-17.5	-17.5	0.16 (1)	10.00			
E-F	0 / 443		-17.5	-17.5	0.19 (1)	10.00			
F-D	0 / 443		-17.5	-17.5	0.19 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/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 ECBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.15/1.00 (C-G:1), BC=0.18/1.00 (D-F:1), WB=0.03/1.00 (C-E:1), SSI=0.13/1.00 (C-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

AUTOSOLVE RIGHT HEEL ONLY

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

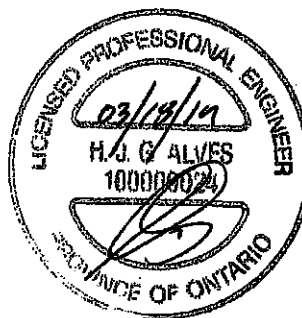
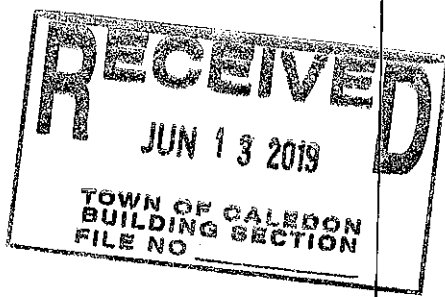
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (B) (INPUT = 0.90)
JSI METAL= 0.34 (D) (INPUT = 1.00)

DRWG NO. TAM 11905403
STRUCTURAL
COMPONENT ONLY



Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 12:46:38 2019 Broom

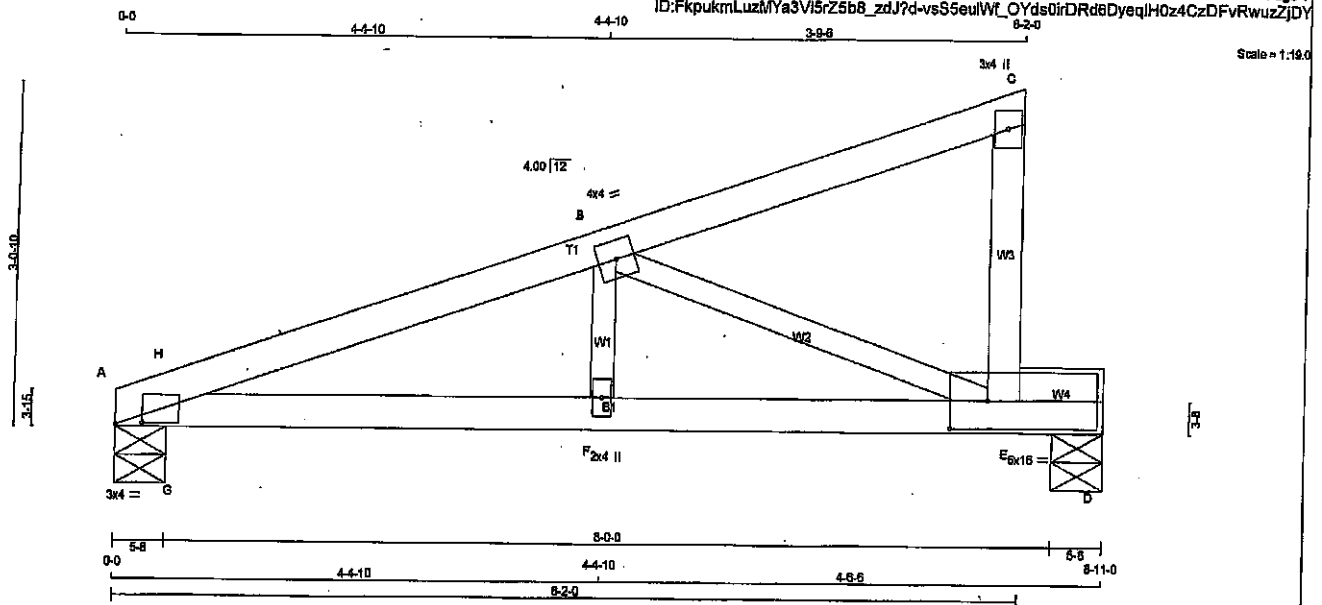


DWG NO. TAM 779054 04
STRUCTURAL
COMMITMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T43	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:16:38 2018 Page 1
ID:FkpukmLuzMYa3V15rZ5b8_zdJ?d-vsS5euWf_OYds0irDRd6DyeqIH0z4CzDFvRwuzJJDY



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

PLATES (table is in inches)	W	LEN	Y	X
A - TMB1-I	MT20	3.0	4.0	0.25 3.00
B - TMBW-I	MT20	4.0	4.0	
C - TMBV-p	MT20	3.0	4.0	
E - BMBWV-I	MT20	8.0	16.0	3.00 4.25
F - BMBW-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	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
A	530	0	530	0	5-8	5-8
D	460	0	460	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX / MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
A	373	257 / 0	0 / 0	0 / 0	0 / 0	116 / 0	0 / 0
D	324	217 / 0	0 / 0	0 / 0	0 / 0	107 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.05 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					WELLS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CS (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		0.03 (1)		FR-TO		0.05 (1)	
A-H	-1019 / 0	-102.1	-102.1	0.03 (1)	8.18	F-B	0 / 240	0.05 (1)	
H-B	-1004 / 0	-102.1	-102.1	0.17 (1)	8.05	B-E	-1035 / 0	0.27 (1)	
B-C	-13 / 0	-102.1	-102.1	0.16 (1)	8.25	G-H	-175 / 0	0.00 (1)	
E-C	-153 / 0	0.0	0.0	0.02 (1)	7.81				
A-G	0 / 883	-17.5	-17.5	0.29 (1)	10.00				
G-F	0 / 983	-17.5	-17.5	0.31 (1)	10.00				
F-E	0 / 883	-17.5	-17.5	0.62 (1)	10.00				
E-D	0 / 0	-17.5	-17.5	0.19 (1)	10.00				

TOTAL WEIGHT = 4 X 28 = 111 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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 086-09, CSA 086-14
- TPC 2011, TPC 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 (0.30")
CALCULATED VERT. DEFL.(LL) = 1 / 998 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = 1 / 885 (0.12")

CSI: TC=0.171/0.0 (B-H:1), BC=0.821/0.0 (E-F:1), WB=0.271/0.0 (B-E:1), SSP=0.181/0.0 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

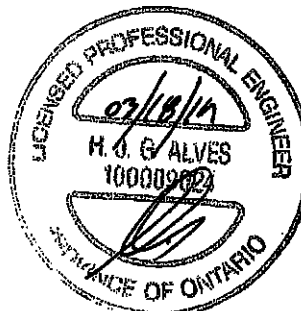
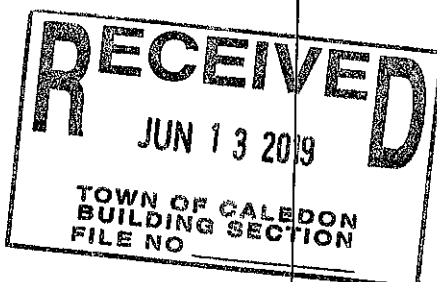
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618 354 1687 789 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.68 (B) (INPUT = 0.50)
JSI METAL= 0.39 (A) (INPUT = 1.00)



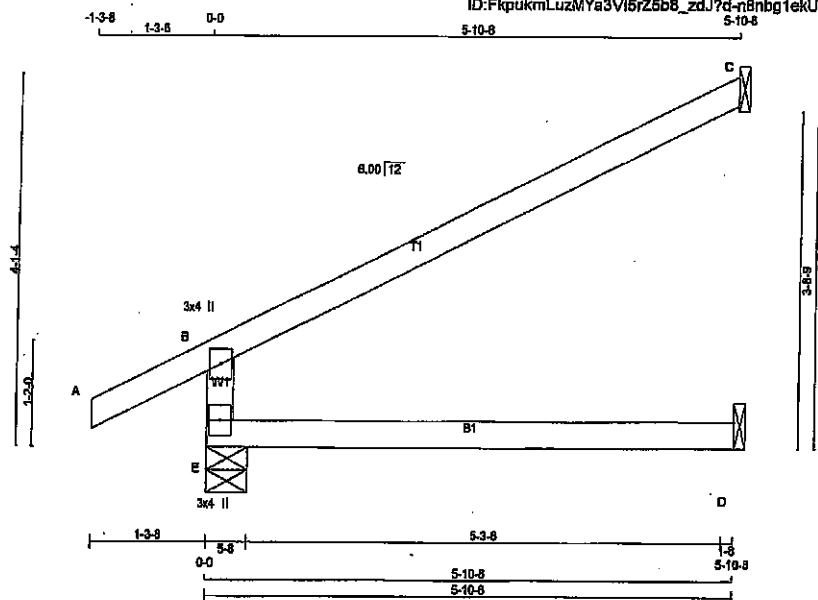
DRWG NO. TAM 17905405
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J1	40	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:47:03 2019 Page 1
ID: FkpukmLuzMYa3V15rZ5b8_zdJ7d-n8nbg1ekU6WHsVf9Ux8kv2UDPVL9gSxF08RcozZips

Scale = 1/23.6



TOTAL WEIGHT = 40 X 17 = 672 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
E - B	2x4	DRY	No.2
A - C	2x4	DRY	No.2
E - D	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
E	BMV1+p	MT20	3.0	4.0		

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

BUILDING DESIGNER

BEARINGS

JT	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	DOWN	GROSS REACTION	UP		
E	574	0	574	0	5-8	5-8
C	225	0	225	0	1-8	1-8
D	42	0	42	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS				
		1ST LOASE	SNOW	LIVE	PERM. LIVE	WIND
E	401	292 / 0	0 / 0	0 / 0	0 / 0	109 / 0
C	154	128 / 0	0 / 0	0 / 0	0 / 0	28 / 0
D	34	0 / 0	0 / 0	0 / 0	0 / 0	34 / 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					WEBS				
MEMB.	MAX. FORCE (LBS)	FACTORED			MEMB.	MAX. FORCE (LBS)	FACTORED		
		VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC			MAX. CSI (LC)		
FR-TO		FROM TO			FR-TO				
E-B	-513 / 0	0.0	0.0	0.12 (4)	7.81				
A-B	0 / 31	-102.1	-102.1	0.13 (1)	10.00				
B-C	-34 / 0	-102.1	-102.1	0.60 (1)	6.25				
E-D	0 / 0	-17.5	-17.5	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 = 7.0 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, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(LL) = $L/889$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/889$ (0.03")

CSI: TC=0.80/1.00 (B-C:1), BC=0.12/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), GS=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

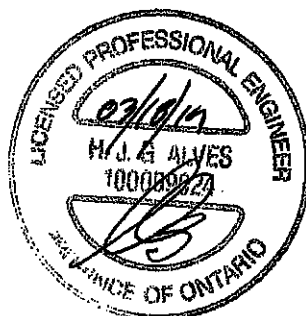
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX. MIN	MAX. MIN	MAX. MIN
MT20	818 354	1667 786	1967 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (E) (INPUT = 0.80)
JSI METAL= 0.14 (B) (INPUT = 1.00)

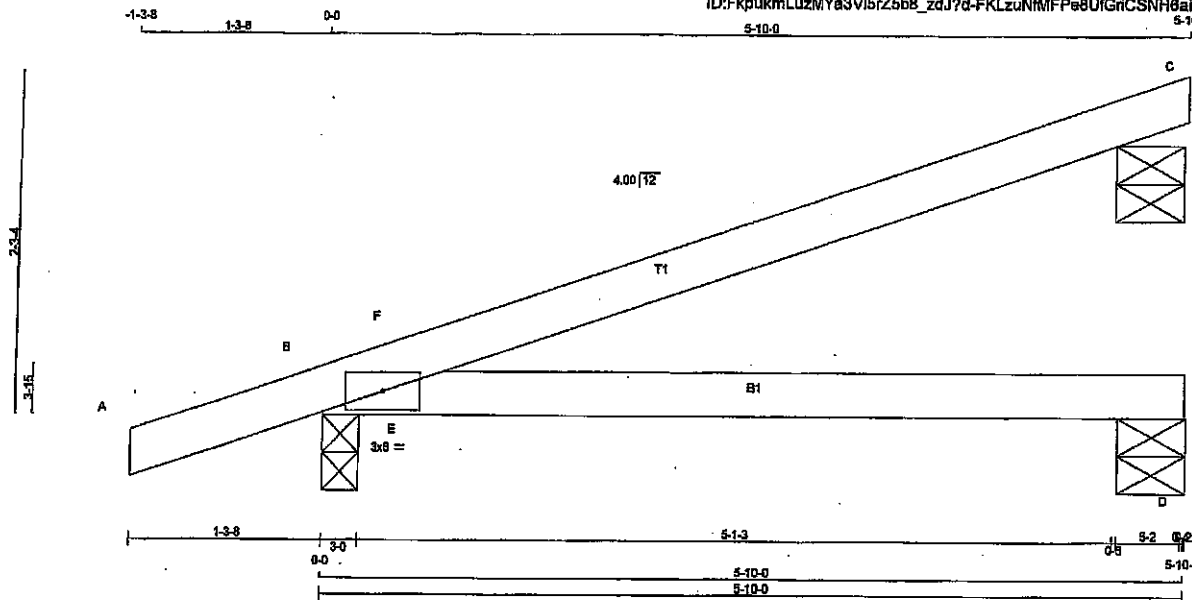


DRWG NO. TAM 17905406
STRUCTURAL
CONCRETE ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J2	15	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 6.230 S Nov 17 2018 Mittek Industries, Inc. Mon Mar 18 12:47:04 2019 Page 1
ID:FkpukmLuzMYaSVI5rZ5b8_zdJ7d-FKLzuNMFPa8UIGrCSNH8aINpou7h5Ugu_92zZipr



Scale = 1:14.2

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

B - D 2x4 DRY No.2

DRY, SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X
B TMB1-1 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	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
C	259	0	259	0	0	5-8	5-8
B	485	0	485	0	0	3-0	3-0
D	90	0	90	0	0	5-8 (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	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	178	143 / 0	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0
B	339	247 / 0	0 / 0	0 / 0	0 / 0	0 / 0	92 / 0	0 / 0
D	67	26 / 0	0 / 0	0 / 0	0 / 0	0 / 0	40 / 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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX	MAX. UNBRACED LENGTH	WEBS MEMB. MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO						
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	10.00
B-F	-18 / 24	-102.1	-102.1	0.03 (4)	6.25	6.25
F-C	-2 / 2	-102.1	-102.1	0.45 (1)	10.00	10.00
B-E	0 / 0	-17.5	-17.5	0.32 (1)	10.00	10.00
E-D	0 / 0	-17.5	-17.5	0.32 (1)	10.00	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

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 (0.19")
CALCULATED VERT. DEFL.(LL) = L/902 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/468 (0.15")

CSI: TC=0.45/1.00 (C-F:1), BC=0.32/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.30/1.00 (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

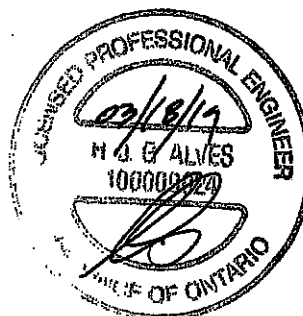
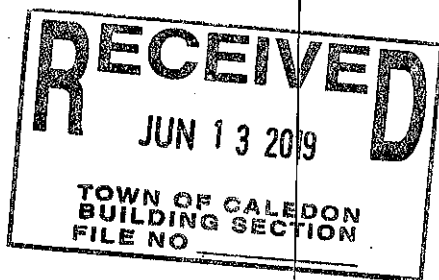
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 768 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.80)
JSI METAL= 0.08 (B) (INPUT = 1.00)

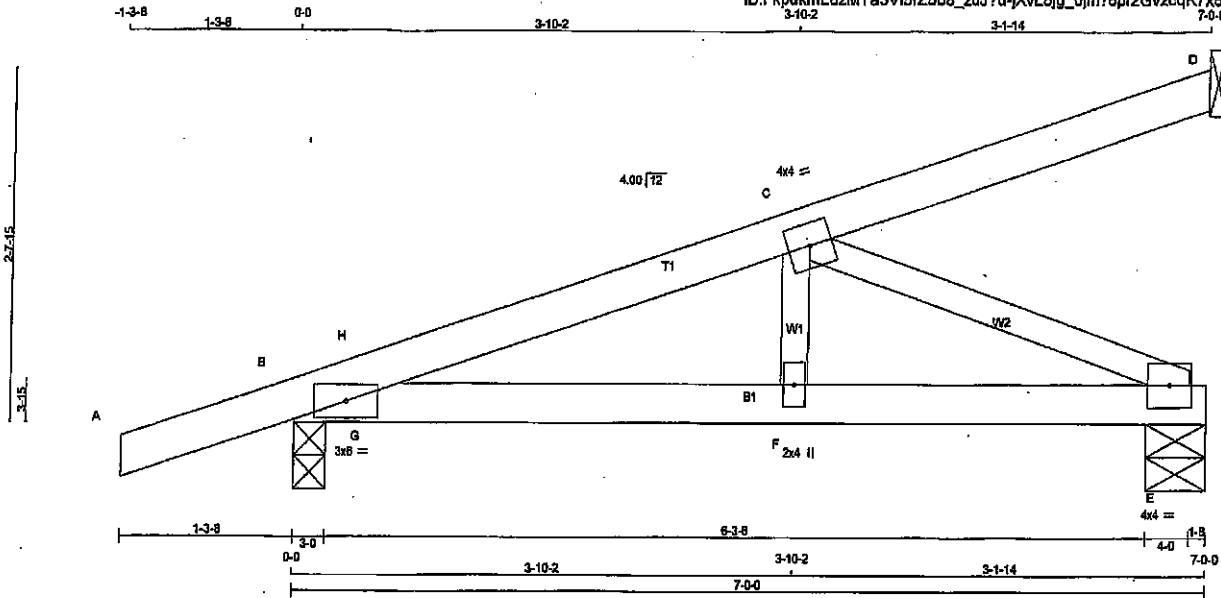


DWG NO. TAM 11905401
STRUCTURAL
COMPONENT ONLY

JOB NAME 401789	TRUSS NAME J3	QUANTITY 5	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:FkpukmLuzMYa3VIsrZ5b8_zdJ?d-jxvL6g_0jm?8pr2GvzcqK7x5C9jdYbEjKdYhUzZlpa

Scale: 3/4"=1'



TOTAL WEIGHT = 5 X 21 = 107 lb

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
B - 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
B	TMB1-I	MT20	3.0	6.0			
C	TMAW1-I	MT20	4.0	4.0			
E	BMW1-I	MT20	4.0	4.0			
F	BMW1-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	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
D	124	0	124	0	1-8	1-8
B	543	0	543	0	3-0	3-0
E	302	0	302	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	1ST LGASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	85	70/0	0/0	0/0	0/0	14/0	0/0
B	379	275/0	0/0	0/0	0/0	104/0	0/0
E	214	138/0	0/0	0/0	0/0	76/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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	F-C	0 / 88	0.03 (4)
B-H	-875 / 0	-102.1 -102.1	0.02 (4)	8.25	C-E	-885 / 0	0.15 (1)
H-C	-845 / 0	-102.1 -102.1	0.13 (1)	8.25	G-H	-105 / 9	0.00 (1)
C-D	-12 / 0	-102.1 -102.1	0.12 (1)	8.25			
B-G	0 / 824	-17.5 -17.5	0.18 (1)	10.00			
G-F	0 / 824	-17.5 -17.5	0.18 (1)	10.00			
F-E	0 / 824	-17.5 -17.5	0.13 (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 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 (0.22")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.22")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.13/1.00 (C-H:1), BC=0.19/1.00 (F-G:1),
WB=0.15/1.00 (C-E:1), SS=0.15/1.00 (C-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

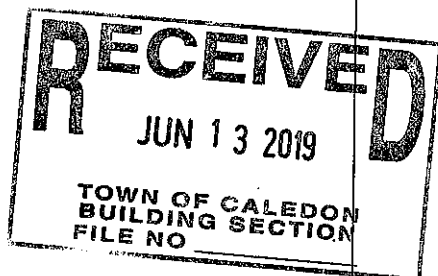
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.42 (C) (INPUT = 0.90)
JSI METAL= 0.24 (E) (INPUT = 1.00)



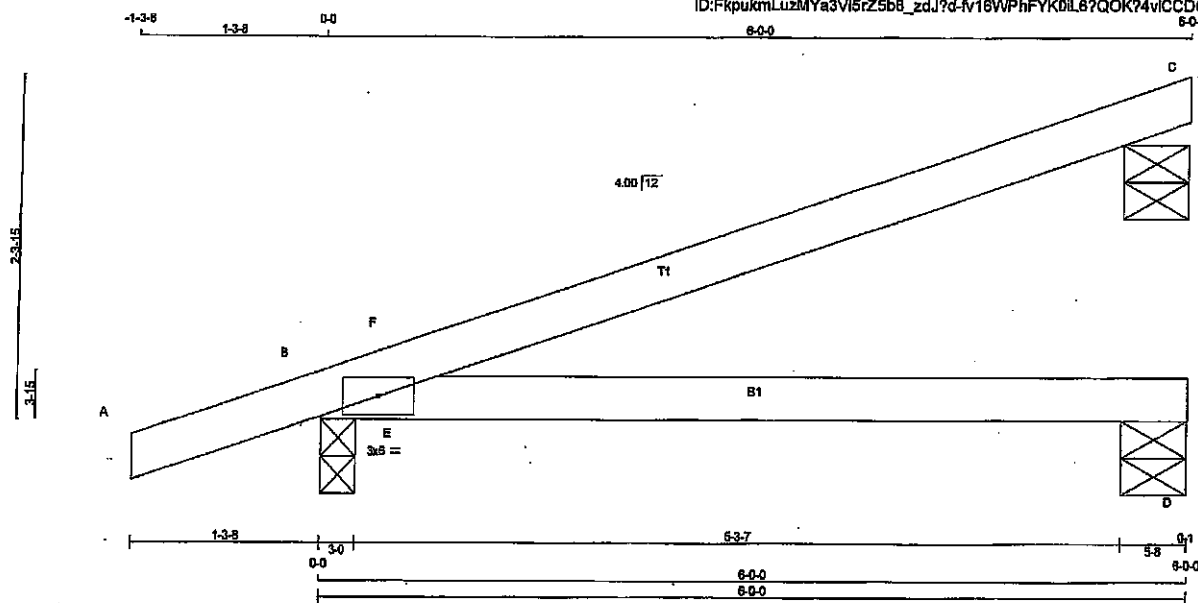
DRWG NO. TAM 71905408
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J4	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:14.5



TOTAL WEIGHT = 6 X 16 = 94 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

LUMBER

No.2

DESCR.

SPF

SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	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	HORZ	DOWN	HORZ
C	265	0	265	0
B	495	0	495	0
D	92	0	92	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	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	94 / 0	0 / 0
D	89	27 / 0	0 / 0	0 / 0	0 / 0	41 / 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 FITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	MAX. UNBRACED LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO		
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	E-F	-393 / 8	0.00 (1)
B-F	-19 / 28	-102.1	-102.1	0.07 (1)	8.25			
F-C	-3 / 2	-102.1	-102.1	0.47 (1)	10.00			
B-E	0 / 0	-17.5	-17.5	0.33 (1)	10.00			
E-D	0 / 0	-17.5	-17.5	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	= 7.0 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 2010, OBC 2012
- CSA 086-08, CSA 088-14
- TPC 2011, TPC 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) = $L/429$ (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

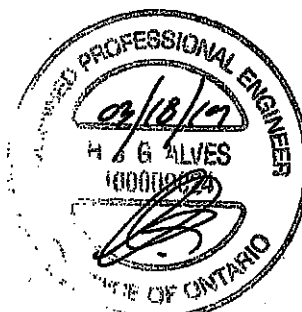
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1667 788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.90)

JSI METAL= 0.08 (B) (INPUT = 1.00)

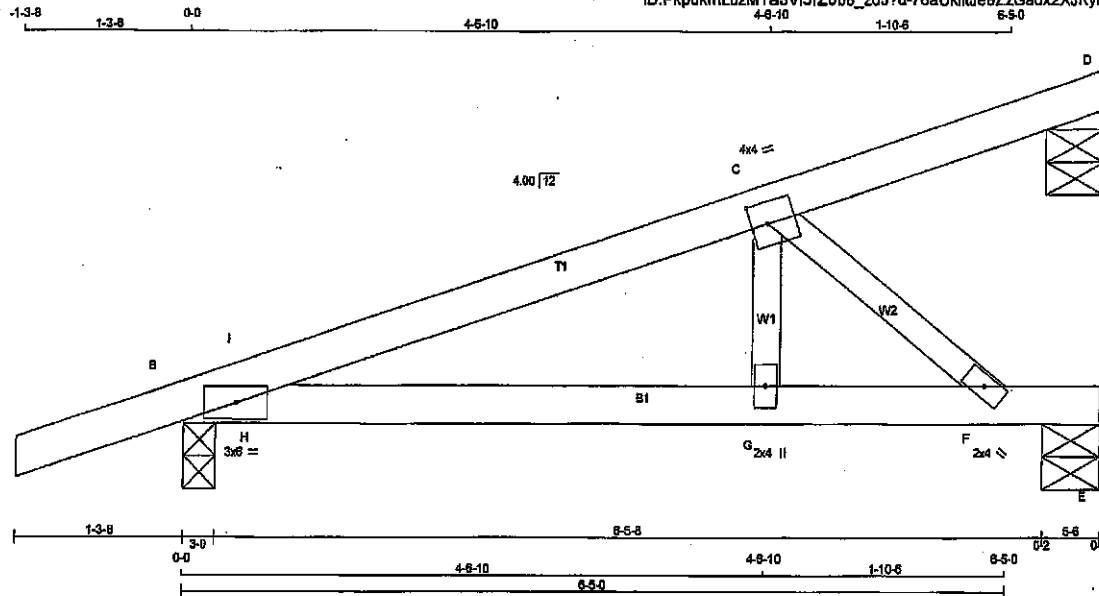


DRWG NO. TAM 1905409
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J5	8	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 8 X 21 = 170 lb

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.

DESCR.
SPF
SPF
SPF

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
B	585	585	3-0	3-0
E	333	333	5-8	5-8
D	98	98	5-8 (5-6)	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): D

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	395	286 / 0	0 / 0	0 / 0	0 / 0	109 / 0	0 / 0
E	235	154 / 0	0 / 0	0 / 0	0 / 0	81 / 0	0 / 0
D	66	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)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)	FACTORED VERT. LOAD LC1 MAX (PLF)
FR-TO									
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00				
B-I	-622 / 0	-102.1	-102.1	0.03 (1)	6.25				
I-C	-619 / 0	-102.1	-102.1	0.18 (1)	6.25				
C-D	-12 / 0	-102.1	-102.1	0.11 (1)	6.25				
FR-TO									
B-H	0 / 593	-17.5	-17.5	0.28 (1)	10.00				
H-G	0 / 593	-17.5	-17.5	0.28 (1)	10.00				
G-F	0 / 597	-17.5	-17.5	0.50 (1)	10.00				
F-E	0 / 0	-17.5	-17.5	0.40 (1)	10.00				

WEBS

MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
C-F	-801 / 0	0.14 (1)
G-C	0 / 339	0.08 (1)
H-I	-218 / 0	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.9 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, 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) = $L/360$ (0.24")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.24")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSK: TC=0.18/1.00 (C-1:1), BC=0.50/1.00 (F-G:1), WB=0.14/1.00 (C-F:1), SS=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

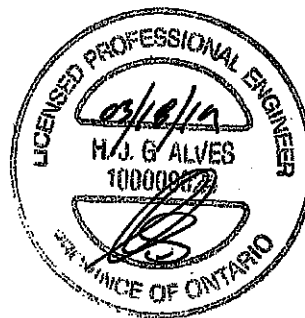
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.70 (F) (INPUT = 0.90)
JSI METAL= 0.42 (F) (INPUT = 1.00)



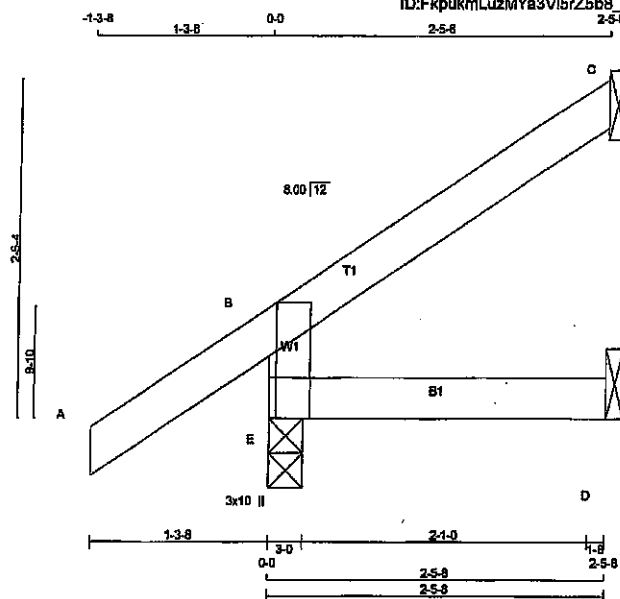
DRWG NO. TAM 71905410
STRUCTURAL
CONSULTING ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J6	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:15.4



TOTAL WEIGHT = 4 X 9 = 34 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
E	TMBMV1+p	MT20	3.0	10.0	Edge	0.50

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
E	322	322	0	0
C	84	84	0	0
D	18	20	0	0

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	224	169/0	0/0	0/0	0/0	55/0	0/0
C	65	54/0	0/0	0/0	0/0	11/0	0/0
D	14	0/0	0/0	0/0	0/0	14/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	MEMB. FR-TO	WEBS MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC)
E-B	-297/0	0.0	0.0	0.02 (4)	7.81		
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00		
B-C	-17/0	-102.1	-102.1	0.10 (1)	8.25		
E-D	0/0	-17.5	-17.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

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/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.00")

CSI: TC=0.14/1.00 (A-B:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (N/A:0), SS=0.10/1.00 (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.

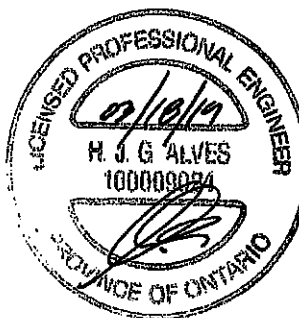
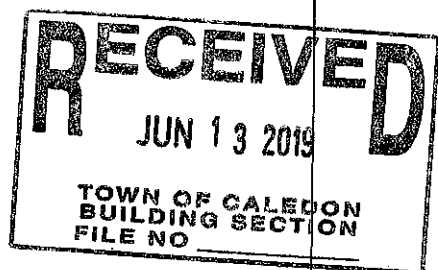
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MAX	MIN	MAX
MT20	618	354
	1687	788
	1937	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

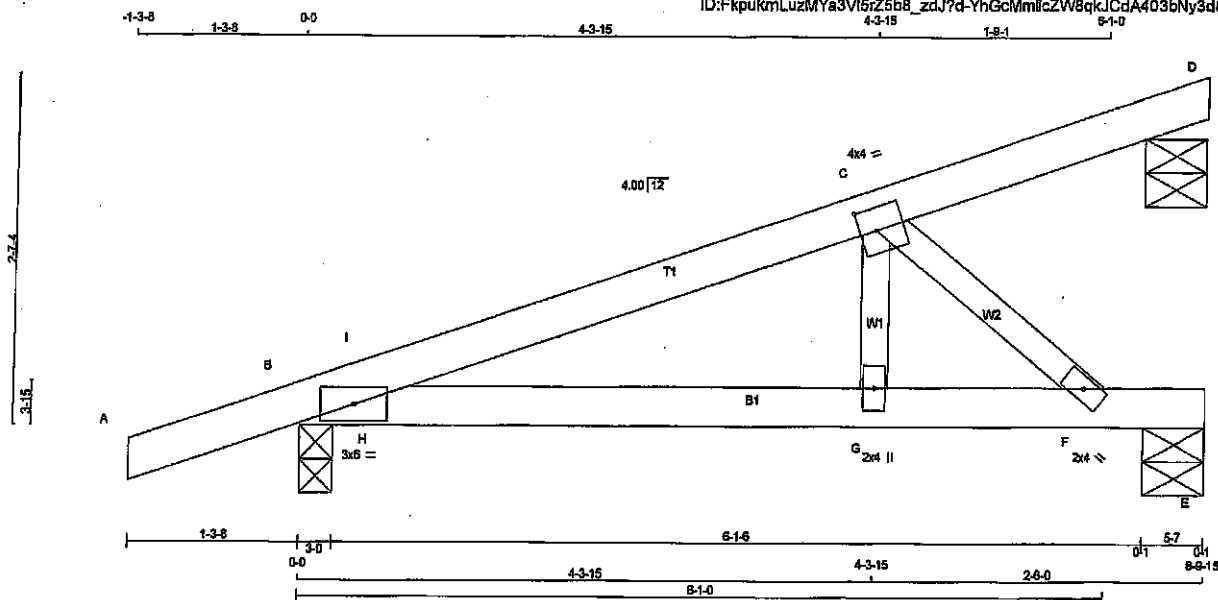
JSI GRIP= 0.08 (E) (INPUT = 0.80)
JSI METAL= 0.10 (E) (INPUT = 1.00)



PKGS NO. TAM 7905411
STRUCTURAL
COMPONENT ONLY

JOB NAME: 401769 TRUSS NAME: J7 QUANTITY: 9 PLY: 1 JOB DESC: GREEN PARK HOMES TRUSS DESC: DRWG NO. 401769

Tamarack Roof Truss, Burlington Version 6.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:47:11 2019 Page 1 ID:FkpukmLuzMYa3V15rZ5b8_zdJ?d-YhGcMm1cZW8qkJCdA403bNy3d8n1HT75G4su8zZjpk



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-I	MT20	3.0	6.0		
C	TMVW-I	MT20	4.0	4.0	2.00	1.50
F	BMVW-w	MT20	2.0	4.0		
G	BMVW-w	MT20	2.0	4.0		

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

BUILDING DESIGNER						
BEARINGS						
	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
B	545	0	545	0	0	3-0
E	314	0	314	0	0	5-8
D	94	0	94	0	0	5-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERALIVE	WIND	DEAD	SOIL
B	381	278 / 0	0 / 0	0 / 0	0 / 0	105 / 0	0 / 0
E	222	145 / 0	0 / 0	0 / 0	0 / 0	77 / 0	0 / 0
D	65	53 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	C-F	-767 / 0	0.13 (1)
B-I	-592 / 0	-102.1	-102.1	0.02 (1)	6.25	G-C	0 / 333	0.07 (1)
I-C	-887 / 0	-102.1	-102.1	0.16 (1)	6.25	H-I	-202 / 0	0.00 (1)
C-D	-11 / 0	-102.1	-102.1	0.09 (1)	6.25			
B-H	0 / 563	-17.5	-17.5	0.24 (1)	10.00			
H-G	0 / 563	-17.5	-17.5	0.24 (1)	10.00			
G-F	0 / 566	-17.5	-17.5	0.47 (1)	10.00			
F-E	0 / 0	-17.5	-17.5	0.38 (1)	10.00			

TOTAL WEIGHT = 9 X 20 = 183 lb

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. GIC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 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=0.16/1.00 (C-I-1), BC=0.47/1.00 (F-G-1), WB=0.13/1.00 (C-F-1), SSI=0.25/1.00 (E-F-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

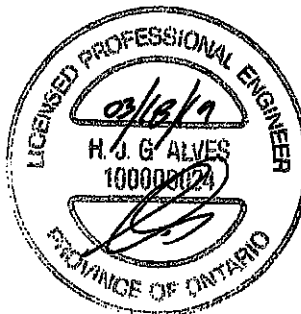
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1857 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (F) (INPUT = 0.90)
JSI METAL= 0.41 (F) (INPUT = 1.00)



DRWG NO. TAM 77905412
STRUCTURAL
CONSTRUCTION ONLY



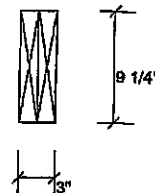
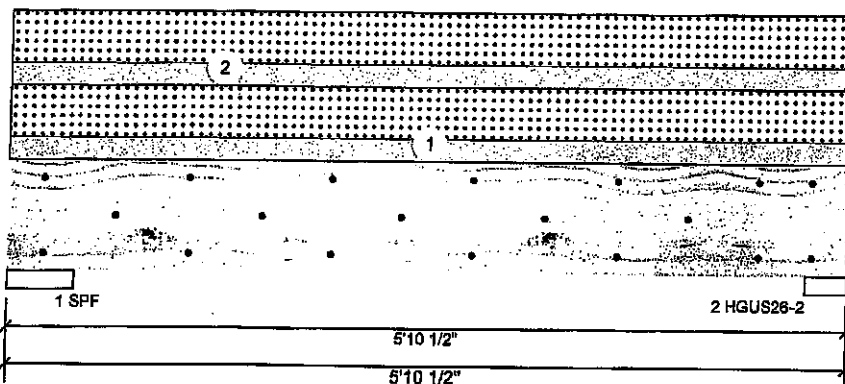
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 1 of 12

BM1 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	329	759	0
2	0	311	717	0

Bearings and Factored Reactions

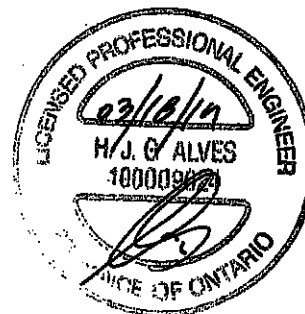
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1'-SPF	5.500"	15%	411 / 1138	1560 L 1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1464 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (29%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Def in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Def inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Def inch	0.023 (L/2769)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



DWG NO. TAM 7405413
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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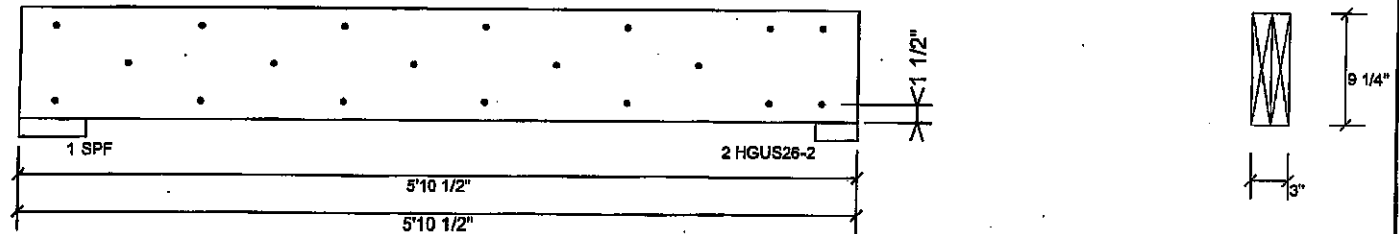
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 2 of 12

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

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	66.4 %
Load	225.9 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	8
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 7905413
STRUCTURAL
COMPONENT ONLY 2/2

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

This design is valid until 12/11/2021





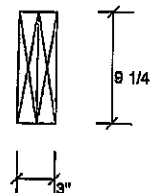
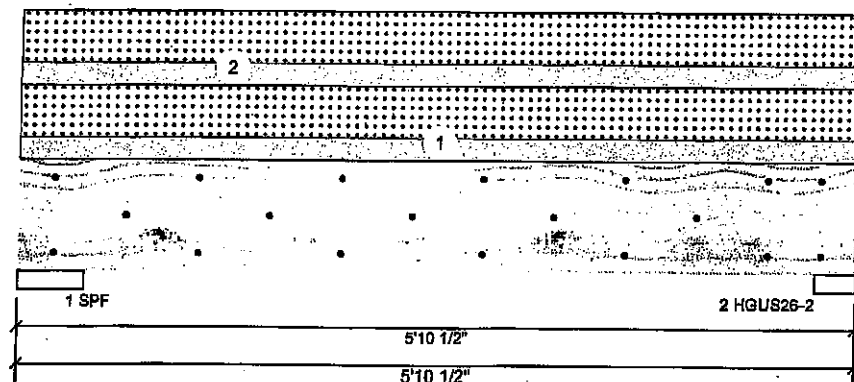
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 3 of 12

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

Level: Level

**Member Information**

Type: Girder
Plies: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: Normal

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

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	319	736	0
2	0	301	696	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	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/8511)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.015 (L/4121)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.022 (L/2875)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



DWG NO. TAM 17905414
STRUCTURAL
COMMENT 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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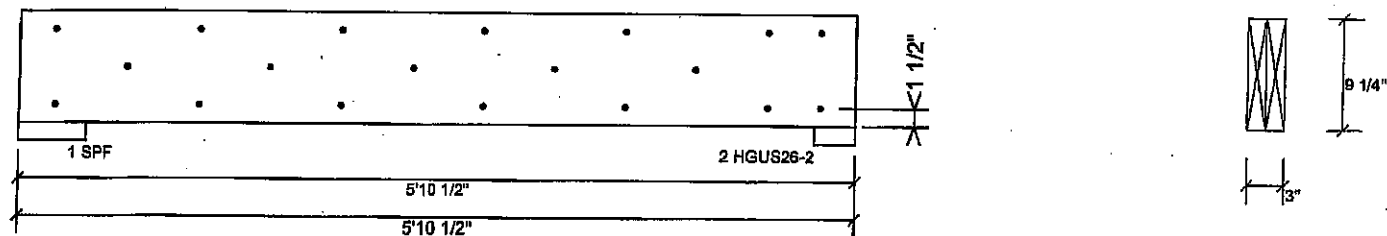
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 4 of 12

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

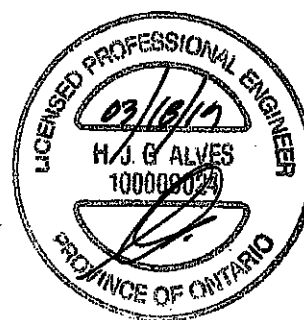
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	64.2 %
Load	218.2 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



ENG NO. TAM 11905419
STRUCTURAL
CADD-DRAWN 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





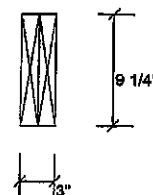
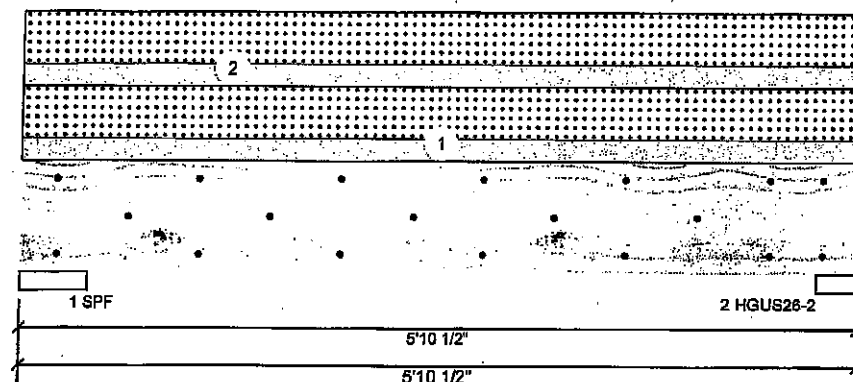
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401789
Project #:

Page 5 of 12

BM3 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
 Piles: 2
 Moisture Condition: Dry
 Deflection LL: 360
 Deflection TL: 360
 Importance: Normal

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

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	358	827	0
2	0	339	781	0

Bearings and Factored Reactions

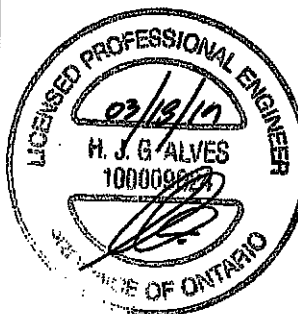
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	17%	448 / 1240	1688 L 1.25D+1.5S
2 - HGUS...	3.500"	25%	423 / 1172	1595 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1925 ft-lb	3' 1/4"	6039 ft-lb	0.319 (32%)	1.25D+1.5S	L
Unbraced	1926 ft-lb	3' 1/4"	5223 ft-lb	0.369 (37%)	1.25D+1.5S	L
Shear	1487 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

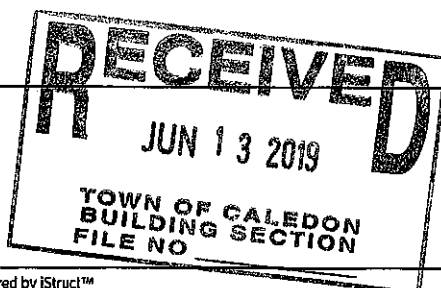
Design Notes

- 1 Fasten all 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 T405415
 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		8-1-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	



This design is valid until 12/11/2021

Manufacturer Info

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





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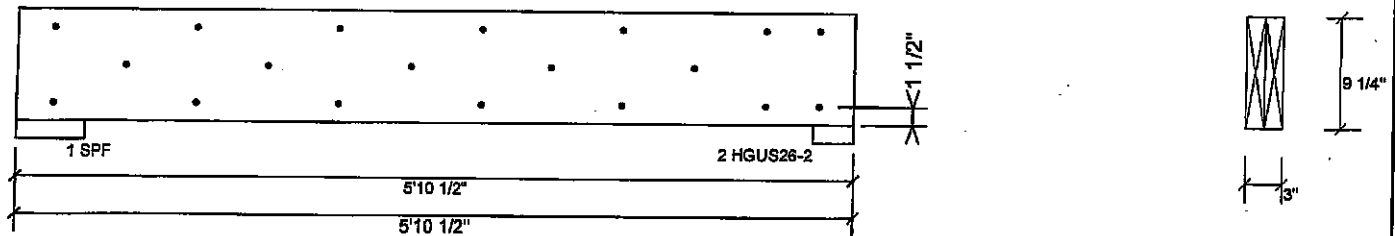
Client:
Project:
Address:

Date: 3/19/2019
Designer:
Job Name: 401769
Project #:

Page 6 of 12

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 17405415
STRUCTURAL
COMPLIMENT ONLY 7/2

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

This design is valid until 12/11/2021





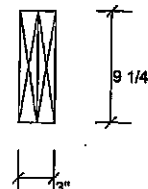
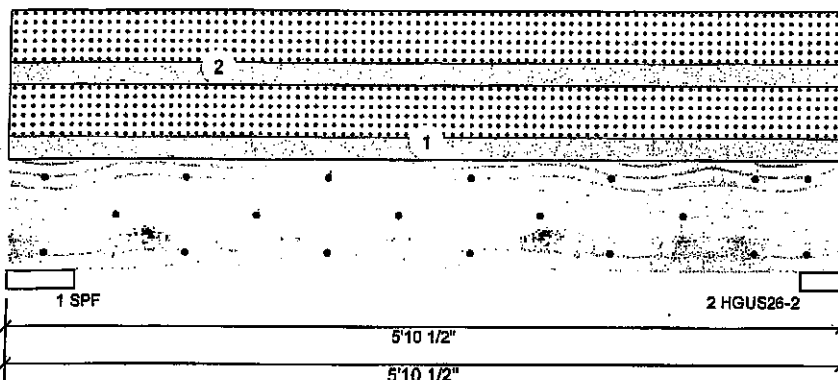
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 7 of 12

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

Level: Level

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

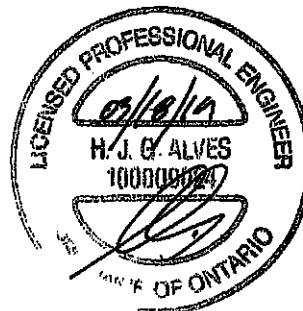
Type: Girder	Application: Floor (Residential)	Brg	Live	Dead	Snow	Wind
Piles: 2	Design Method: LSD	1	0	329	759	0
Moisture Condition: Dry	Building Code: NBCC 2015 / OBC 2012	2	0	311	717	0
Deflection LL: 360	Load Sharing: No					
Deflection TL: 360	Deck: Not Checked					
Importance: Normal	Vibration: Not Checked					

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
2 - HGUS...	3.500"	23%	388 / 1076	1484 L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (29%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/2769)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L



DWG NO. TAM 17905416
STRUCTURAL
CHECKED ONLY
1/2

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.

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





isDesign™

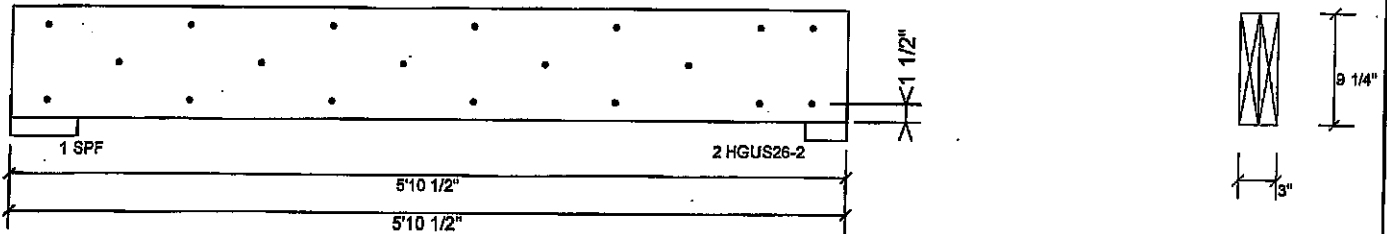
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 8 of 12

BM4 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	68.4 %
Load	225.9 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DESIGN NO. TAM 77205416
STRUCTURAL
CERTIFICATION 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





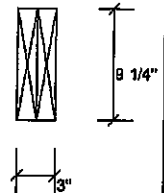
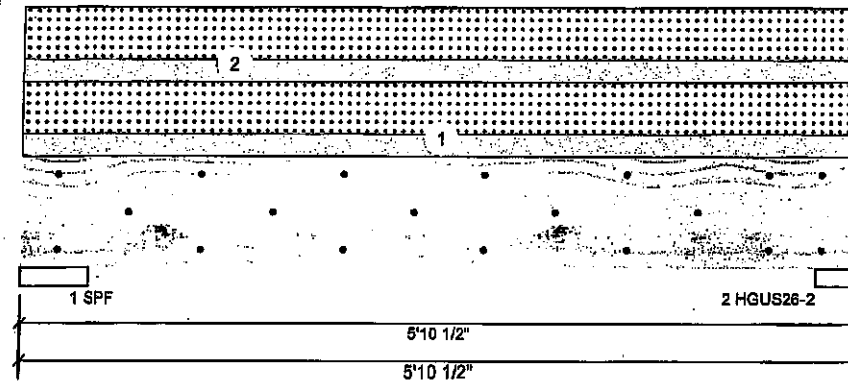
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 9 of 12

BM5 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	339	782	0
2	0	320	739	0

Bearings and Factored Reactions

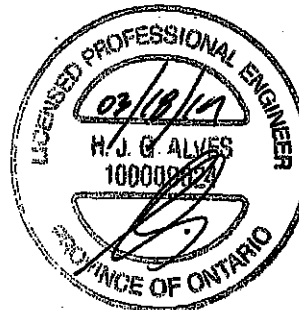
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	16%	423 / 1172	1596 L 1.25D+1.5S
2 - HGUS...	3.500"	23%	400 / 1108	1508 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1820 ft-lb	3' 1/4"	6039 ft-lb	0.301 (30%)	1.25D+1.5S	L
Unbraced	1820 ft-lb	3' 1/4"	5223 ft-lb	0.348 (35%)	1.25D+1.5S	L
Shear	1387 lb	1'2"	3984 lb	0.348 (35%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/8959)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3882)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/2709)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

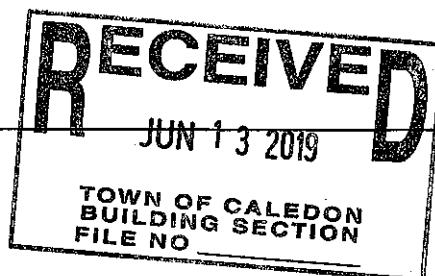
Design Notes

- 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 1905417
 STRUCTURAL
 COMMENT 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		7-7-8	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

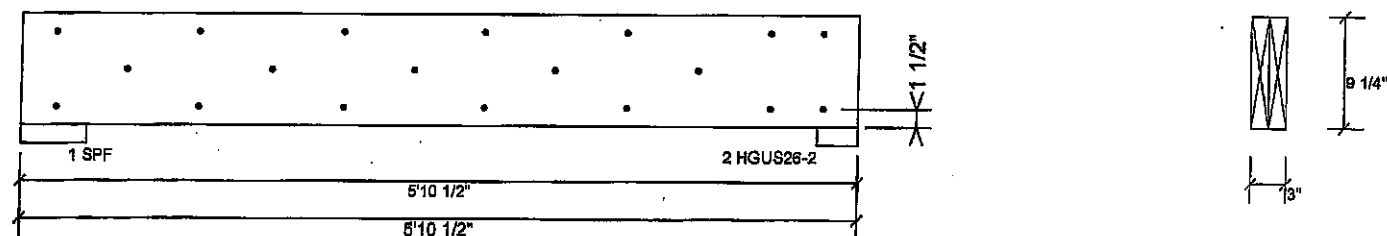


This design is valid until 12/11/2021



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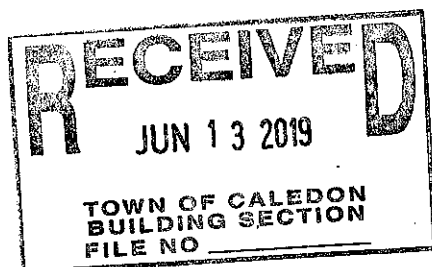
Level: Level



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	68.7 %
Load	233.6 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 719054/17
STRUCTURAL
CONCRETE/STEEL FAMILY 2/2

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, OM L7N 3G2 905-335-1115
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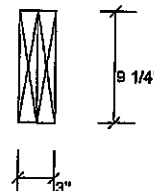
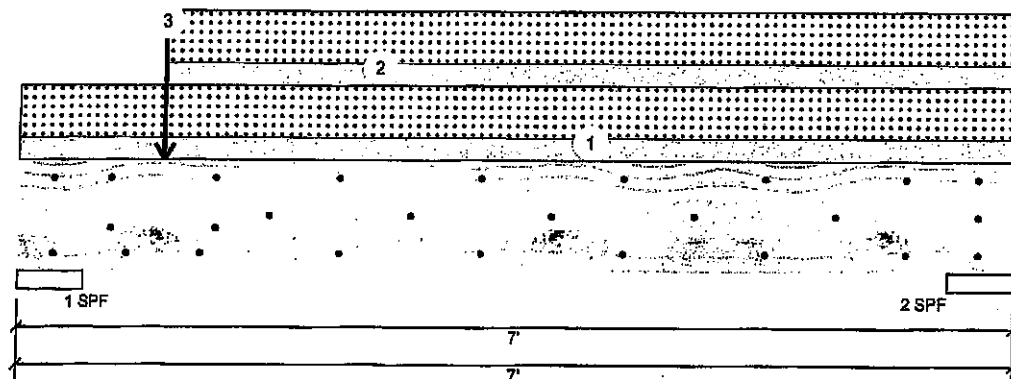
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project#:

Page 11 of 12

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

Level: Level

**Member Information**

Type: Girder
Plies: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: 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	287	1083	0
2	0	228	573	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5,500"	20%	358 / 1624	1982 L 1.25D+1.5S
2 - SPF	5,500"	11%	285 / 860	1144 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1821 ft-lb	3' 13/16"	6039 ft-lb	0.301 (30%)	1.25D+1.5S	L
Unbraced	1821 ft-lb	3' 13/16"	4897 ft-lb	0.372 (37%)	1.25D+1.5S	L
Shear	2102 lb	1'2"	3984 lb	0.528 (53%)	1.25D+1.5S	L
Perm Defl in.	0.009 (L/8588)	3'5 3/8"	0.207 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.024 (L/3045)	3'4 1/2"	0.207 (L/360)	0.120 (12%)	S	L
TL Defl inch	0.033 (L/2248)	3'4 3/4"	0.207 (L/360)	0.180 (18%)	D+S	L



DWG NO. TAM 17905416
STRUCTURAL
COMPONENT ONLY 1/2

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.
- 7 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	Part, Uniform	1-0-4 to 7-0-0	3-9-0	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	
3	Point	1-0-4		Near Face	132 lb	0 lb	773 lb	0 lb	

Manufacturer Info

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



This design is valid until 12/11/2021





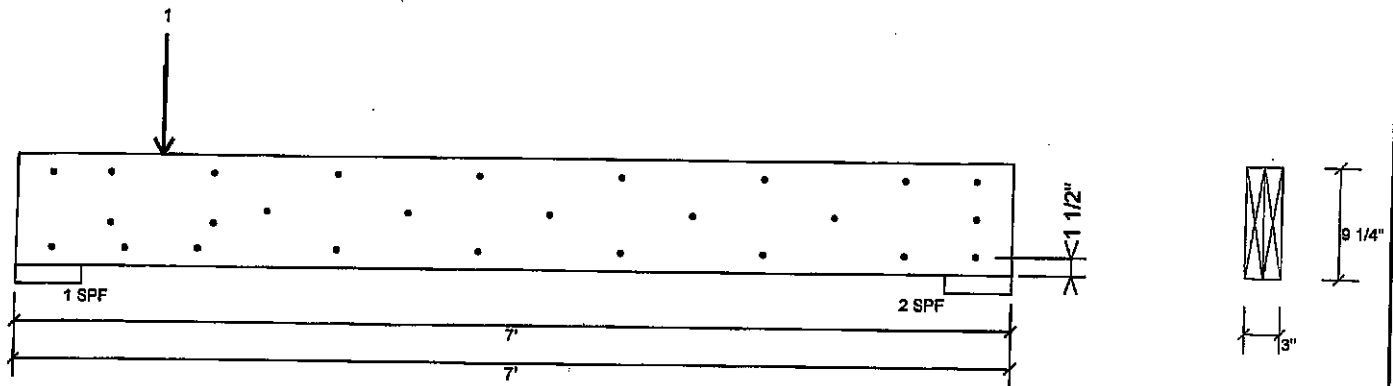
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401769
Project #:

Page 12 of 12

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

Level: Level

**Multi-Ply Analysis**

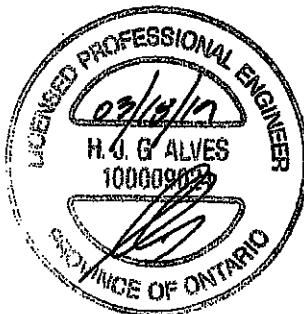
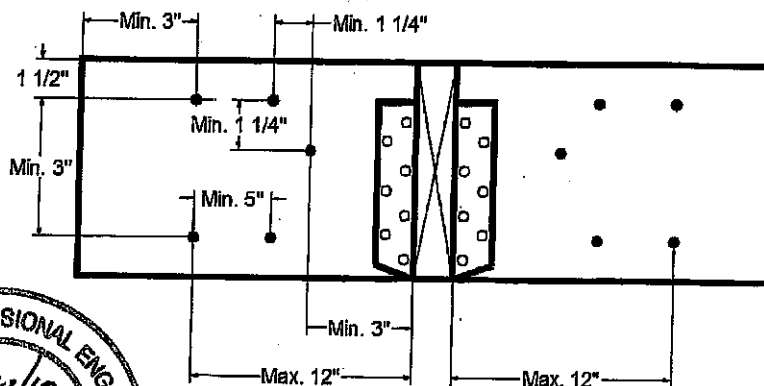
Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

Capacity	33.8 %
Load	114.8 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 1-0-4 with a minimum of (6) - Pneumatic Gun Nail (.120x3.25") in the pattern shown.

Capacity	97.4 %
Load	662.3lb.
Total Yield Limit	680.1 lb.
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Load Combination	1.25D+1.5S
Duration Factor	1.00

Min/Max fastener distances for Concentrated Side Loads

DWG NO. TAM 17054182/2
STRUCTURAL
CONCRETE/STEEL

This design is valid until 12/11/2021

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
805-335-1115



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. 126.



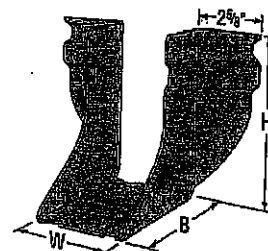
✓ LUS28



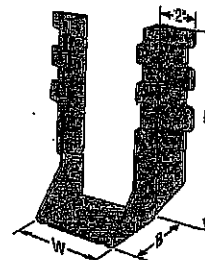
LU26L



✓ HUS210
(HUS26, HUS28,
and HHUS similar)



✓ HGUS28-2



✓ HHUS210-2



Double-Shear
Nailing
Top View



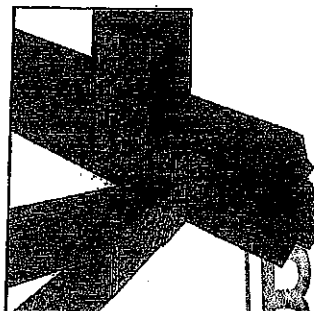
Double-Shear
Nailing
Side View;
Do not
bend tab



Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,803,580

Plated Truss Connectors

Typical HUS26
Installation
with Reduced
Heel Height
(Truss Designer
to provide
fastener quantity
for connecting
multiple members
together)



LJS26DS

RECEIVED
JUN 13 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options information on pp. 125-127.

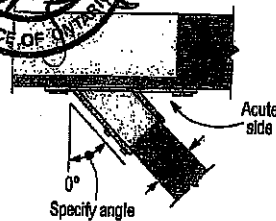
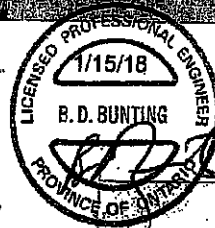
HHUS — Sloped and/or Skewed Seat

- 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).

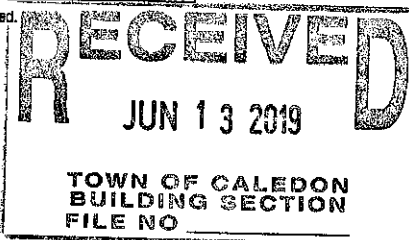
Standard and Double-Shear Joist Hangers (cont.)

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 Resistances			
		W	H	B	da	Header	Joist	S-P-F		Uplift (K _a = 1.15) lb. kN	Normal (K _a = 1.00) lb. kN
								lb.	lb.		
								Single 2x Sizes			
LUS24	18	1 1/8	3 1/8	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1825	845	1165
LU24L	22	1 1/8	3	1 1/8	2 1/8	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	725
LU28L	22	1 1/8	5	1 1/8	4 1/8	(5) 10d	(4) 10d x 1 1/2"	720	1805	845	1140
LUS26	18	1 1/8	4 1/4	1 1/4	3 1/4	(4) 10d	(4) 10d	1420	2170	1290	1830
HUS26	16	1 1/8	5 1/4	3	3 1/8	(14) 18d	(6) 18d	2705	4940	2065	3875
LJS26BS	18	1 1/8	5	3 1/8	4 1/8	(18) 18d	(6) 18d	2065	4285	1460	4115
HGUS26	12	1 1/8	5 1/8	5	4 1/8	(20) 18d	(8) 18d	2885	6825	2885	5700
LU28L	20	1 1/8	6 1/4	1 1/8	5 1/8	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550
LUS28	18	1 1/8	6 1/8	1 1/4	3 1/4	(8) 10d	(4) 10d	1420	2620	1290	1790
HUS28	16	1 1/8	7 1/8	3	6 1/8	(22) 18d	(8) 18d	3605	5365	2675	4345
HGUS28	12	1 1/8	7 1/8	5	6 1/8	(36) 18d	(12) 18d	3310	7675	3310	6900
LU210L	20	1 1/8	8	1 1/8	7 1/8	(10) 10d	(6) 10d x 1 1/2"	1140	2495	1020	1770
LUS210	18	1 1/8	7 1/8	1 1/4	3 1/4	(8) 10d	(4) 10d	1420	2785	1290	2210

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. da is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. Nails: 18d = 0.162" dia. x 3 1/4" long. See pp. 27-28 for other nail sizes and information.

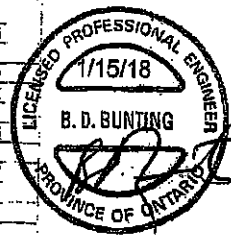


Face-Mount Hangers

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.

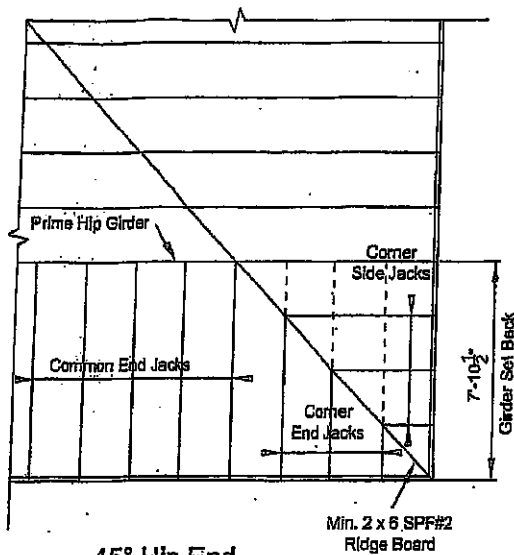
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _e ^a	Header	Joist	Tension		S-P-F	
								lb.	lb.	(K _d = 1.35)	(K _d = 1.00)
								lb.	lb.	lb.	lb.
								kN	kN	kN	kN
Double 2x Sizes											
LUS24-2	18	3 1/8	8 1/4	2	1 1/4	(4) 16d	(2) 16d	835	2020	590	1435
LUS26-2	18	3 1/8	4 1/4	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS26-2	14	3 1/8	5 1/4	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2085	5205
HGUS26-2	12	3 1/8	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2675
HHUS28-2	14	3 1/8	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3785	8940	2675	6345
HGUS28-2	12	3 1/8	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS210-2	14	3 1/8	9 1/4	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
HGUS210-2	12	3 1/8	9 1/4	4	8 1/4	(48) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes											
HGUS28-3	12	4 1/8	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/8	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-3	14	4 1/8	9	3	7 1/4	(30) 16d	(10) 16d	4670	9670	4235	6865
HGUS210-3	12	4 1/8	9 1/4	4	8 1/4	(48) 16d	(16) 16d	6840	14845	4855	10400
Quadruple 2x Sizes											
HGUS28-4	12	6 1/8	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 1/8	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 1/8	8 1/4	3	7 1/4	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 1/8	8 1/4	4	8 1/4	(48) 16d	(16) 16d	6840	14845	4855	10400
HGUS212-4	12	6 1/8	10 1/4	4	10 1/4	(55) 16d	(20) 16d	7640	14995	5425	10845
HGUS214-4	12	6 1/8	12 1/4	4	11 1/4	(66) 16d	(22) 16d	10130	18400	7195	11645
4x Sizes											
LUS48	18	3 1/8	4 1/4	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS48	14	3 1/8	5 1/4	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2085	5205
HGUS48	12	3 1/8	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 1/8	6 1/4	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2675
HHUS48	14	3 1/8	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3785	8940	2675	6345
HGUS48	12	3 1/8	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 1/8	8 1/4	2	5 1/4	(6) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 1/8	9	4	8 1/4	(48) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 1/8	10 1/4	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10845
HGUS414	12	3 1/8	12 1/4	4	11 1/4	(66) 16d	(22) 16d	10130	18400	7195	11645



Plated Truss Connectors

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 BUILDING SECTION
 FILE NO



45° Hip End

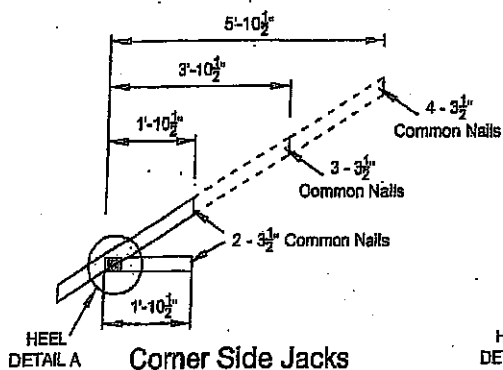
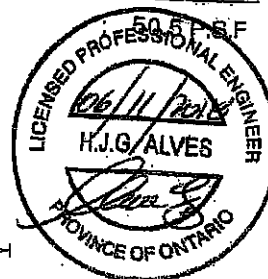
LUMBER SPECIFICATION

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

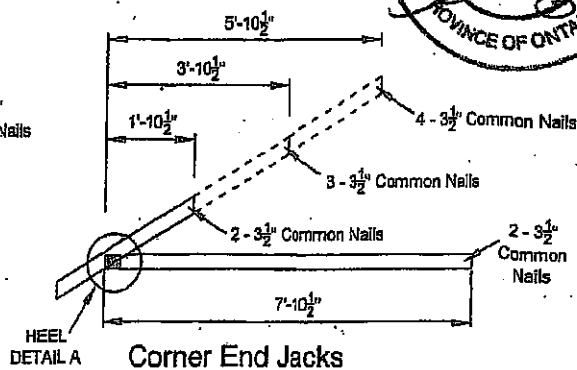
DESIGN LOAD

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

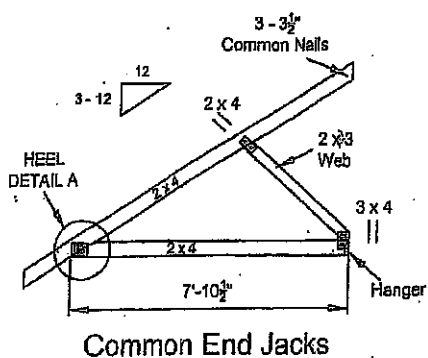
TOTAL LOAD



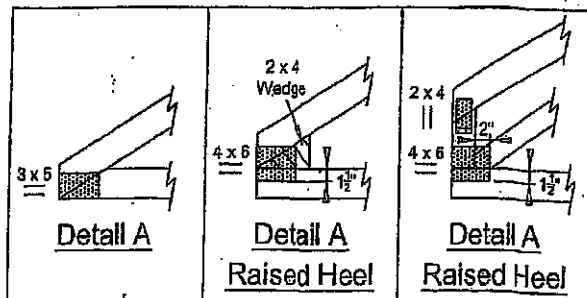
Corner Side Jacks



Corner End Jacks

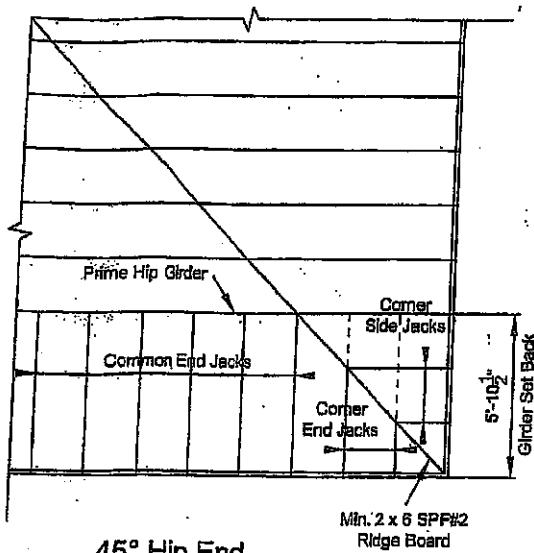


Common End Jacks



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

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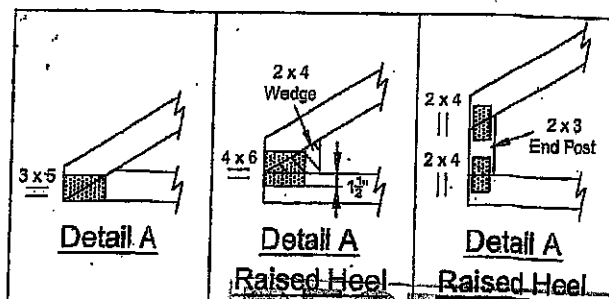
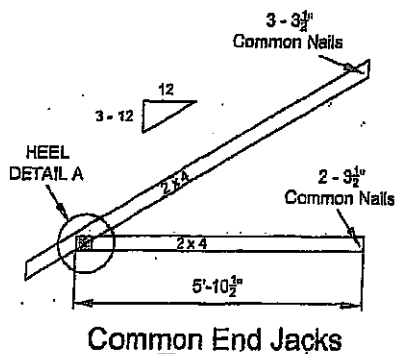
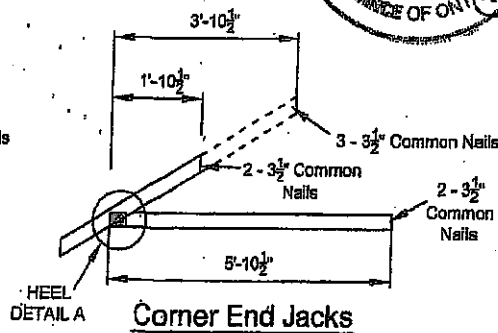
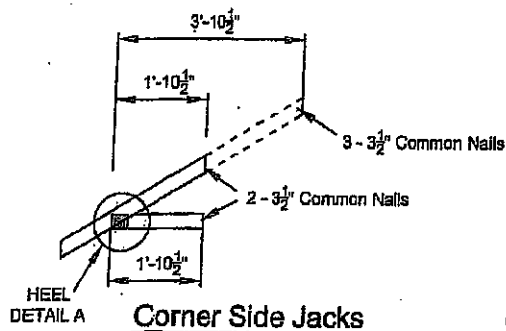
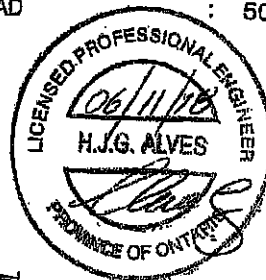


LUMBER SPECIFICATION

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.



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

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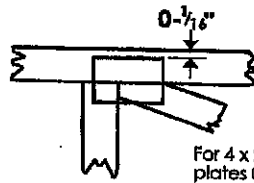
TOWN OF CALEDON
 BUILDING SECTION
 FILE NO.

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in 1/16-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

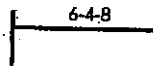


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

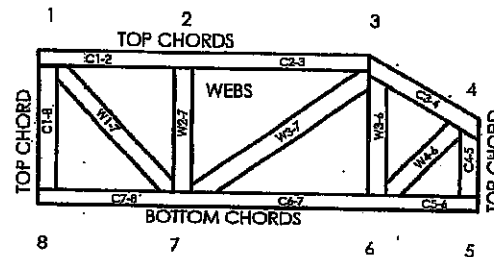
Industry Standards:

- TPIC: Truss Design Procedures and Specifications for Light Metal Plate-Connected Wood Trusses
- 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



dimensions shown in 1/16-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 Engineering Reference Sheet: MII-7473C rev. 10-08



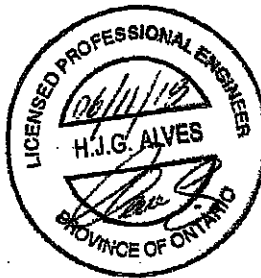
General Safety Notes

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.

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TOWN OF CALEDON
BUILDING SECTION
FILE NO



Alves Engineering Services Inc.

5208 Easton road
Burlington, Ontario L7L 6N6
(289) 259 5455

RESPONSABILITIES

- 1-Alves Engineering Services Inc. is responsible for the design of trusses as individual components
- 2-It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdictions.
- 3- All dimensions are to be verified by owner, contractor, architect or other authority before manufacture.
- 4- Alves Engineering Services Inc. bears no responsibility for the erection of the trusses. Persons erecting trusses are cautioned to seek professional advice regarding temporary and permanent bracing system. Bracing shown on Alves Engineering Services Inc. drawings is specified for the truss as a single component and forms an integral part of the truss design, but is not meant to represent the only required bracing for that truss when trusses are installed in a series of trusses forming a roof truss system.
- 5- It is the manufactures responsibility to ensure that the trusses are manufactured in conformance with Alves Engineering Services Inc. specifications outlined below.

SPECIFICATIONS

- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.
- 2- Lumber is to be the sizes and grade specified on the truss drawing.
- 3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.
- 4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings
- 5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.
- 6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)
- 7- When rigid ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals.
- 8-Refer to Mitek sheet M117473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1800218

Feb 09, 2018