

HORIZON 3E
TH 95-1 / 2
401779

HORIZON 2
TH 95-2 / 2
401780

HORIZON 2
TH 95-3 / 2
401781

HORIZON 3ES
TH 95-4 / 2
401782

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

APPLICANT COPY

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

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

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



Job Track: 50033
Plan Log: 200637
Layout ID: 401769

Builder / Location:
GREEN PARK HOMES / CALEDON

Project: **LAMBERT LANE PH.2**

Date: 3/8/2019 Sales: Mario DiCano Designer: AC

Model / Elevation:
BLOCK 95 / TH95-1 - TH95-4

Milek ver 8.2.3.229

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TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 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	329.66 208.00		
	2	T8 Common	8 / 12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	126.65 78.00		
	1	G8 GABLE	8 / 12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	65.08 42.00		
	2	T9 Common	8 / 12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	122.89 78.00		
	2	T9S Roof Special Structural Gable	8 / 12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 4-13	128.67 83.33		
	1	G10 GABLE	8 / 12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	34.03 21.33		
	4	T43 Monopitch	4 / 12	8-02-00	3-00-10	2 x 4		3-15 3-00-10	110.7 70.67		



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	66.73 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	102.52 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: TH95-2 / 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	173.9 109.33		
	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 58.83		
	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	102.52 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	144.82 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	HGUS28-2	

TOTAL NUMBER OF ITEMS= 4

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 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	128.65 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	317.17 198.50		



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



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	

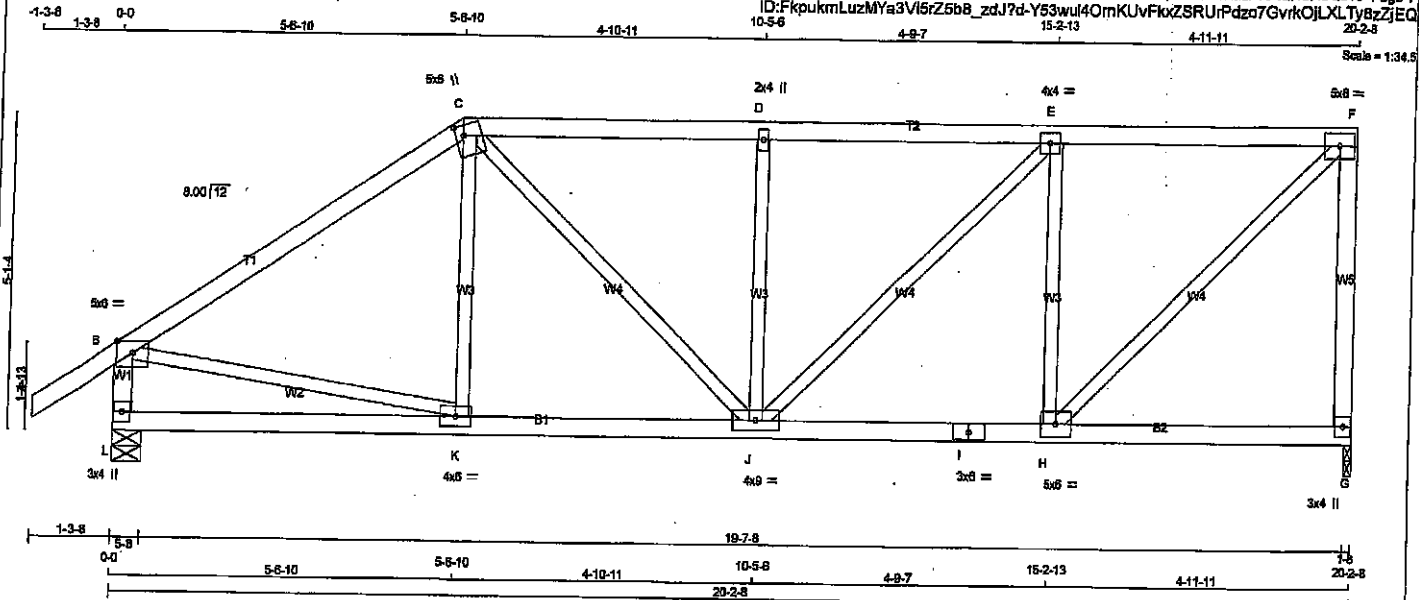
TOTAL NUMBER OF ITEMS= 18

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

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V16rZ5bB_zdJ7d-Y53wui40mKUvFkZSRUrPdzo7GvrkOJLXLTYBzZJEQ



LUMBER

N, L, G, A. RULES

CHORDS	SIZE	DRY	LUMBER
A - C	2x4	DRY	No.2
D - F	2x4	DRY	No.2
G - I	2x4	DRY	No.2
J - L	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
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-l	MT20	5.0	6.0		
G BMV1-p	MT20	3.0	4.0		
H BMVW-l	MT20	5.0	6.0		
I BS-l	MT20	3.0	6.0		
J BMVW-w	MT20	4.0	6.0		
K BMVW-l	MT20	4.0	6.0		
L BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS

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

UNFACTORED REACTIONS

JT	1ST LOOSE COMBINED	MAX MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	849	587 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0
L	946	866 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	278 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED (LBS)	MAX. FACTORED 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 / 1360	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	-859/0	-102.1 -102.1	0.35 (1)	5.76	H-E	-888 / 0	0.33 (1)
G-F	-1173/0	0.0 0.0	0.52 (1)	7.38	J-D	-534 / 0	0.21 (1)
L-B	-1308/0	0.0 0.0	0.13 (1)	7.03	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	0/889	-17.5 -17.5	0.21 (1)	10.00			
I-H	0/889	-17.5 -17.5	0.21 (1)	10.00			
H-G	0/0	-17.5 -17.5	0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 87 = 173 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 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 2010, NBCC 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) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.67")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

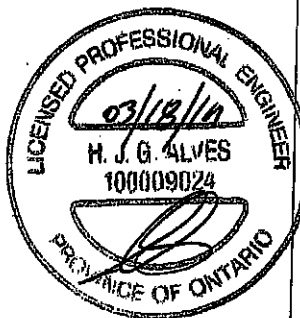
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354	1657 798 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)

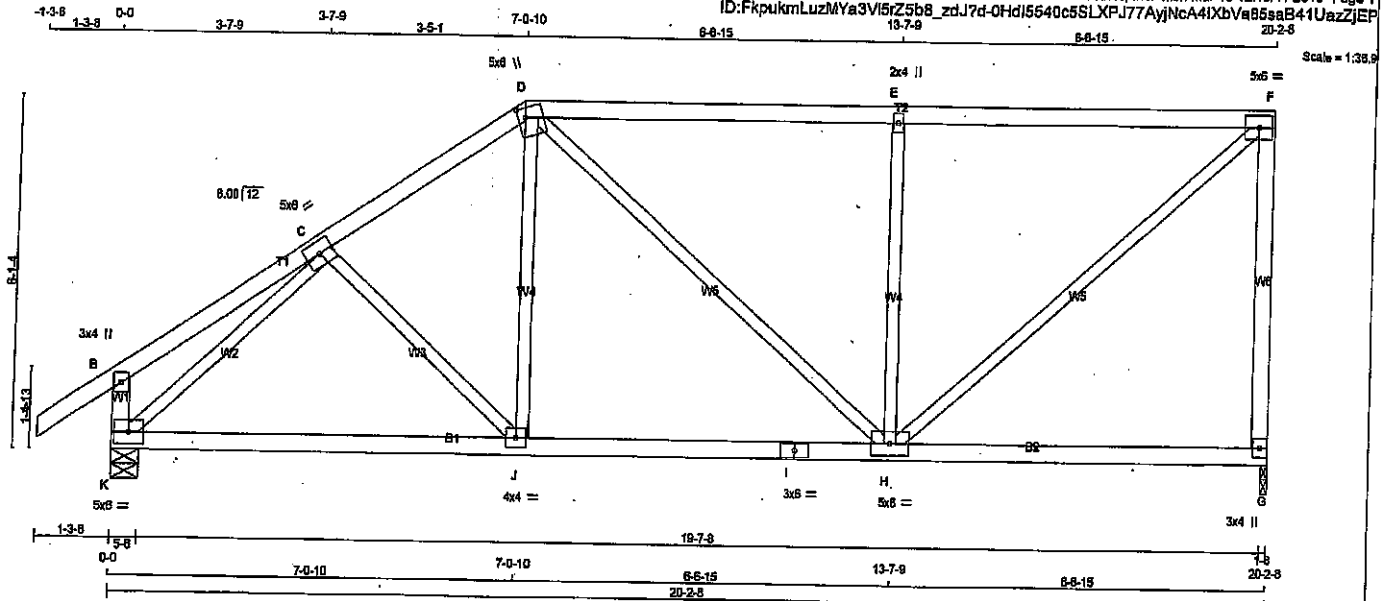


DRWG NO. TAM 7405354
STRUCTURAL
COMPONENT ONLY

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

ALL WEBS 2x3 DRY No.2

EXCEPT DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWV-t	MT20	5.0	8.0		
D	TTWV+m	MT20	5.0	8.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMWV-t	MT20	5.0	8.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWVW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMWV-t	MT20	4.0	4.0		
K	BMWV1-t	MT20	5.0	6.0		

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
G	1208	0	1208	0
K	1349	0	1349	0

UNFACTORED REACTIONS

	1ST CASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
G	849	587 / 0	0 / 0
K	946	686 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	C-J	-105 / 18	0.04 (1)	0.05 (4)
B-C	0 / 22	-102.1	-102.1	0.19 (1)	10.00	J-D	0 / 204	0.02 (1)	0.49 (1)
C-D	-1188 / 0	-102.1	-102.1	0.22 (1)	5.80	D-H	0 / 78	0.31 (1)	0.56 (1)
D-E	-1029 / 0	-102.1	-102.1	0.82 (1)	4.61	H-E	-833 / 0	0.31 (1)	0.56 (1)
E-F	-1029 / 0	-102.1	-102.1	0.82 (1)	4.61	H-F	0 / 1368	0.31 (1)	0.56 (1)
G-F	-1180 / 0	0.0	0.0	0.84 (1)	7.39	K-C	-1458 / 0	0.31 (1)	0.56 (1)
K-B	-260 / 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 / 872	-17.5	-17.5	0.27 (4)	10.00				
H-G	0 / 0	-17.5	-17.5	0.16 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 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 2018, OBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.87")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.87")
CALCULATED VERT. DEFL. (TL) = L/999 (0.10")

CSL TO=0.84/1.00 (F-G:1), BC=0.27/1.00 (J-K:1),
WB=0.59/1.00 (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

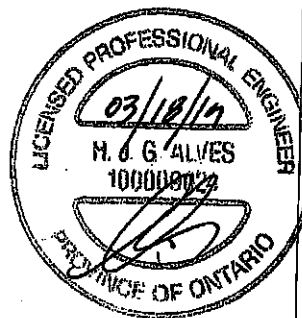
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



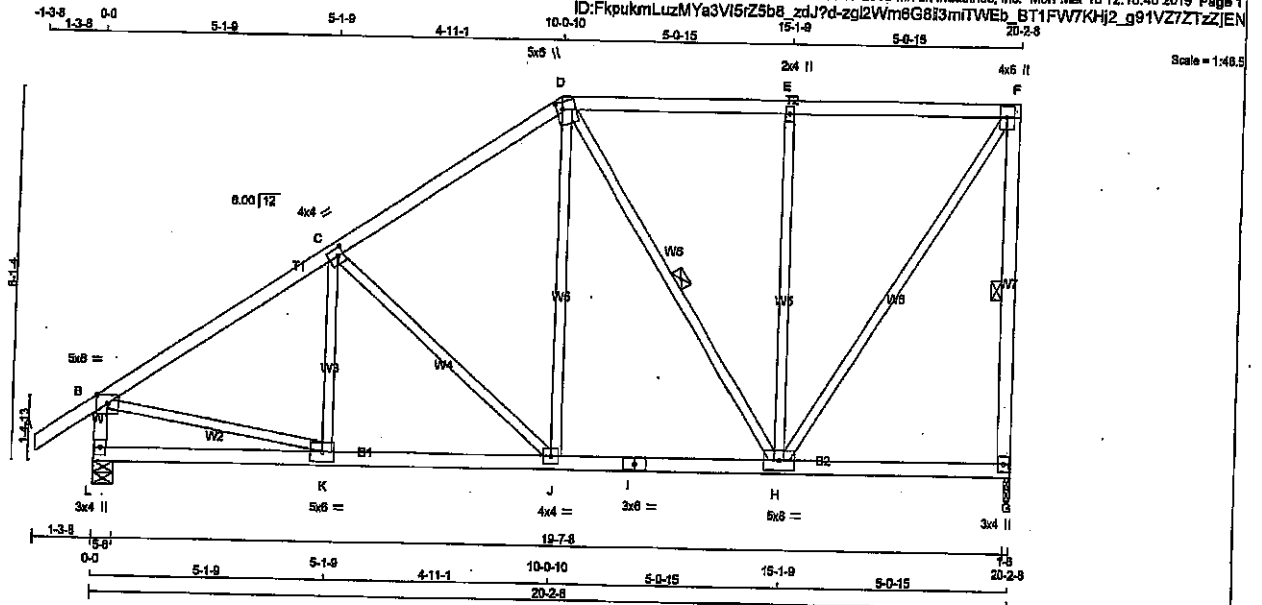
DRWG NO. TAM 71905355
STRUCTURAL
COMPONENT ONLY

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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TOTAL WEIGHT = 2 X 99 = 198 lb

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVV-p	MT20	5.0	6.0	Edge	
C	TMVV-w	MT20	4.0	4.0	2.00	1.50
D	TMVV+m	MT20	5.0	6.0	2.00	1.80
E	TMVV-w	MT20	2.0	4.0		
F	TMVV-p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVVW-t	MT20	5.0	6.0		
I	BS-1	MT20	3.0	6.0		
J	BMVVW-t	MT20	4.0	4.0		
K	BMVVW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

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

UNFACTORED REACTIONS

	1ST CASE	MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD
G	849	587 / 0	0 / 0	0 / 0	0 / 0	263 / 0	0 / 0
L	948	666 / 0	0 / 0	0 / 0	0 / 0	279 / 0	0 / 0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO			
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-135 / 42	0.05 (1)	
B-C	-1284 / 0	-102.1	-102.1	0.50 (1)	5.02	C-J	-433 / 0	0.38 (1)	
C-D	-977 / 0	-102.1	-102.1	0.47 (1)	5.82	J-D	0 / 373	0.08 (1)	
D-E	-638 / 0	-102.1	-102.1	0.45 (1)	6.25	D-H	-278 / 0	0.18 (1)	
E-F	-837 / 0	-102.1	-102.1	0.45 (1)	6.25	H-E	-641 / 0	0.81 (1)	
G-F	-1171 / 0	0.0	0.0	0.35 (1)	5.90	H-F	0 / 1162	0.28 (1)	
L-B	-1311 / 0	0.0	0.0	0.14 (1)	7.08	B-K	0 / 1128	0.25 (1)	
L-K	0 / 0	-17.5	-17.5	0.11 (4)	10.00				
K-J	0 / 1105	-17.5	-17.5	0.23 (1)	10.00				
J-I	0 / 787	-17.5	-17.5	0.18 (1)	10.00				
I-H	0 / 787	-17.5	-17.5	0.18 (1)	10.00				
H-G	0 / 0	-17.5	-17.5	0.11 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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/360 (0.67")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.67")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

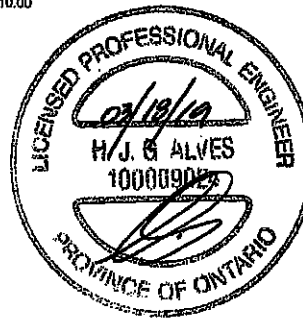
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (B) (INPUT = 0.90)
JSI METAL= 0.29 (F) (INPUT = 1.00)

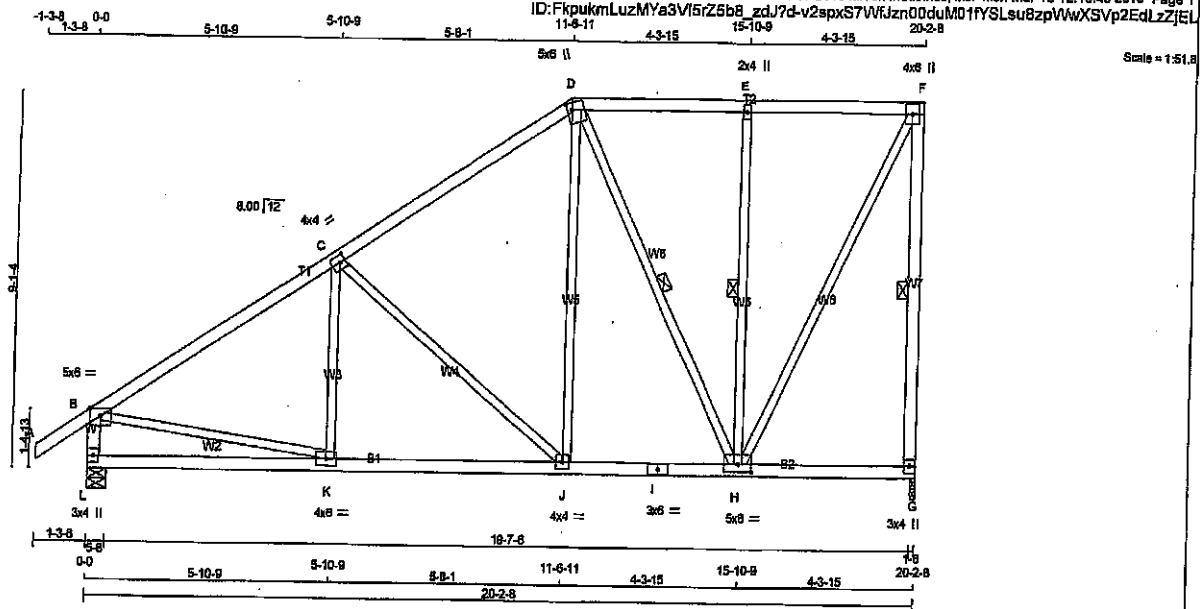


DWG NO. TAM P1905357
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 105 = 210 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	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 TMVV-w	MT20	5.0	8.0	Edge	
C TMVV-w	MT20	4.0	4.0	2.00	1.50
D TMVV-w	MT20	5.0	8.0	2.00	1.50
E TMVV-w	MT20	2.0	4.0		
F TMVV-w	MT20	4.0	6.0		
G BMV1-p	MT20	3.0	4.0		
H BMVV-w	MT20	5.0	8.0	2.25	4.00
I BS-1	MT20	3.0	8.0		
J BMVV-w	MT20	4.0	4.0		
K BMVV-w	MT20	4.0	8.0		
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	1208	0	1208	0	1-8	1-8
L	1349	0	1349	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SO
G	849	587 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 /
L	946	666 / 0	0 / 0	0 / 0	0 / 0	279 / 0	0 /

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	K-C	-87 / 71	0.04 (1)
B-C	-1285 / 0	-102.1 -102.1	0.48 (1)	5.09	C-J	-580 / 0	0.86 (1)
C-D	-857 / 0	-102.1 -102.1	0.45 (1)	5.96	J-D	0 / 451	0.10 (1)
D-E	-497 / 0	-102.1 -102.1	0.24 (1)	8.25	D-H	-425 / 0	0.29 (1)
E-F	-498 / 0	-102.1 -102.1	0.24 (1)	8.25	H-E	-544 / 0	0.29 (1)
G-F	-1178 / 0	0.0 0.0	0.45 (1)	5.88	H-F	0 / 1120	0.25 (1)
L-B	-1308 / 0	0.0 0.0	0.13 (1)	7.06	B-K	0 / 1120	0.25 (1)
L-K	0 / 0	-17.5 -17.5	0.15 (4)	10.00			
K-J	0 / 1101	-17.5 -17.5	0.25 (1)	10.00			
J-I	0 / 884	-17.5 -17.5	0.15 (1)	10.00			
I-H	0 / 884	-17.5 -17.5	0.15 (1)	10.00			
H-G	0 / 0	-17.5 -17.5	0.07 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 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 D88-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.67")
CALCULATED VERT. DEFL. (LL) = L/589 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.67")
CALCULATED VERT. DEFL. (TL) = L/589 (0.03")

CSI: TC=0.48/1.00 (B-C:1), BC=0.25/1.00 (J-K:1),
WB=0.68/1.00 (C-J:1), 6SI=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

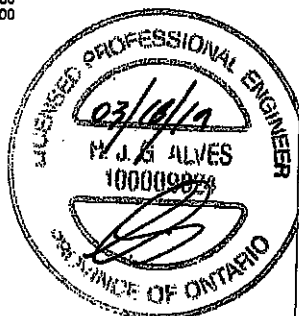
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

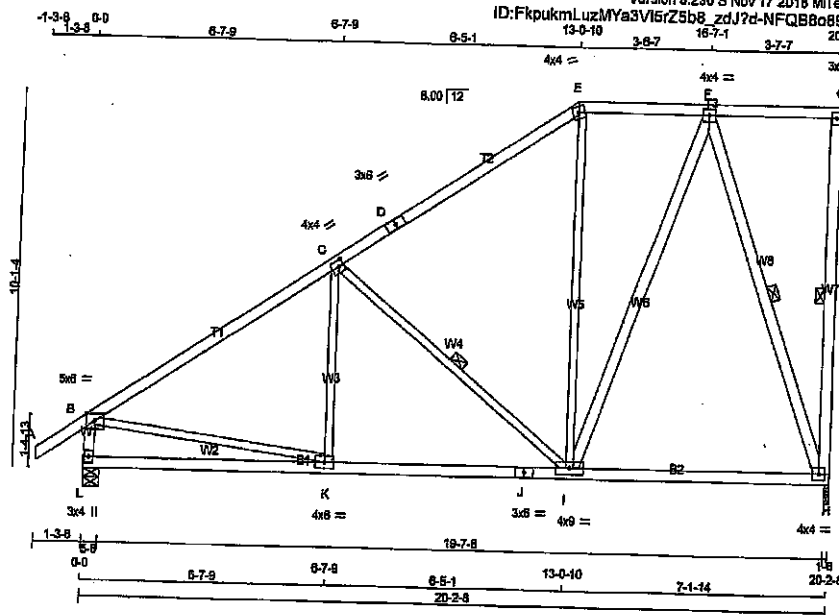
PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP= 0.77 (B) (INPUT = 0.80)
ISI METAL= 0.28 (K) (INPUT = 1.00)



DWG NO. TAM 11905358
STRUCTURAL
COMPONENT ONLY

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



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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-NFQBB8Qd5edAB4wJYu4gT_JYIUFOmbJTooAozZJEK

Scale = 1:57.3

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

DRY: SEASONED LUMBER.

PLATES (Table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	8.0	Edge	
C TMVW-t	MT20	4.0	4.0	2.00	1.50
D TS-t	MT20	3.0	6.0		
E TTW-m	MT20	4.0	4.0		
F TMVW-t	MT20	4.0	4.0		
G TMVW-p	MT20	3.0	4.0		
H BMVW-t	MT20	4.0	4.0		
I BMVW-t	MT20	4.0	9.0		
J BS-t	MT20	3.0	6.0		
K BMVW-t	MT20	4.0	6.0		
L BMV-t	MT20	3.0	4.0		

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

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

	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

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (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	-56 / 85	0.03 (4)	
B-C	-1262 / 0	-102.1	-102.1	0.63 (1)	4.85	C-I	-673 / 0	0.34 (1)	
C-D	-736 / 0	-102.1	-102.1	0.58 (1)	6.02	I-E	0 / 67	0.02 (4)	
D-E	-736 / 0	-102.1	-102.1	0.58 (1)	6.02	B-K	0 / 1102	0.25 (1)	
E-F	-573 / 0	-102.1	-102.1	0.17 (1)	6.25	I-F	0 / 569	0.10 (1)	
F-G	0 / 0	-102.1	-102.1	0.22 (1)	10.00	F-H	-1085 / 0	0.62 (1)	
H-G	-141 / 0	0.0	0.0	0.07 (1)	6.25				
L-B	-1300 / 0	0.0	0.0	0.13 (1)	7.08				
L-K	0 / 0	-17.5	-17.5	0.17 (4)	10.00				
K-J	0 / 1088	-17.5	-17.5	0.29 (1)	10.00				
J-I	0 / 1088	-17.5	-17.5	0.29 (1)	10.00				
I-H	0 / 375	-17.5	-17.5	0.22 (4)	10.00				

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 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 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.63/1.00 (B-C:1), BC=0.29/1.00 (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

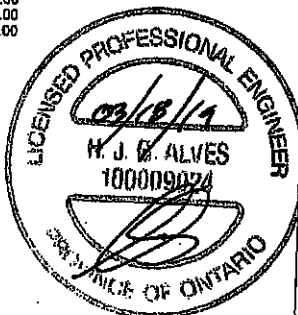
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 610 354 1687 788 1987 868

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



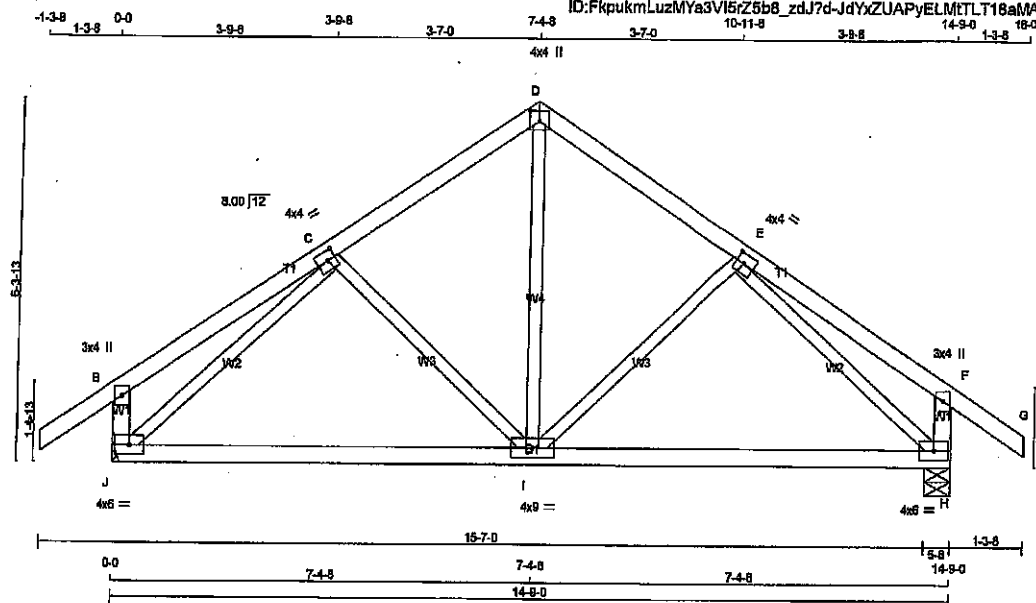
DWG NO. TAM **71905359**
STRUCTURAL
COMPONENT ONLY

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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Scale = 1/32

TOTAL WEIGHT = 4 X 63 = 253 lb

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

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMVW+t	MT20	4.0	4.0	2.00 1.75
D	TTW+p	MT20	4.0	4.0	2.25 2.00
E	TMVW+t	MT20	4.0	4.0	2.00 1.75
F	TMV+p	MT20	3.0	4.0	
H	BMVW1-t	MT20	4.0	6.0	
I	BMVW1-t	MT20	4.0	9.0	
J	BMVW1-t	MT20	4.0	6.0	

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
J	1022	0	0	MECHANICAL
H	1022	0	0	5-8

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

UNFACTORED REACTIONS

1ST LOASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	718	508 / 0	0 / 0	0 / 0	0 / 0	208 / 0	0 / 0
H	718	508 / 0	0 / 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)

MEMB.	CHORDS	WEBS
	MAX. FACTORED	MAX. FACTORED
	FORCE (LBS)	FORCE (LBS)
	VERT. LOAD	VERT. LOAD
	LC1	LC1
	MAX	MAX
	CSI (LC)	CSI (LC)
FR-TO	FROM TO	FR-TO
A-B	0 / 39	-102.1 -102.1 0.14 (1)
B-C	0 / 24	-102.1 -102.1 0.22 (1)
C-D	-898 / 0	-102.1 -102.1 0.17 (1)
D-E	-898 / 0	-102.1 -102.1 0.17 (1)
E-F	0 / 24	-102.1 -102.1 0.22 (1)
F-G	0 / 39	-102.1 -102.1 0.14 (1)
J-B	-285 / 0	0.0 0.0 0.03 (1)
H-F	-285 / 0	0.0 0.0 0.03 (1)
J-I	0 / 718	-17.5 -17.5 0.32 (4)
I-H	0 / 718	-17.5 -17.5 0.32 (4)

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

CSI: TC=0.22/1.00 (B-C:1), BC=0.32/1.00 (I-J:4),

WB=0.41/1.00 (E-H:1), 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.

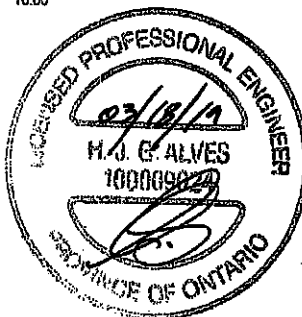
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.72 (C) (INPUT = 0.60)
JSI METAL= 0.35 (C) (INPUT = 1.00)

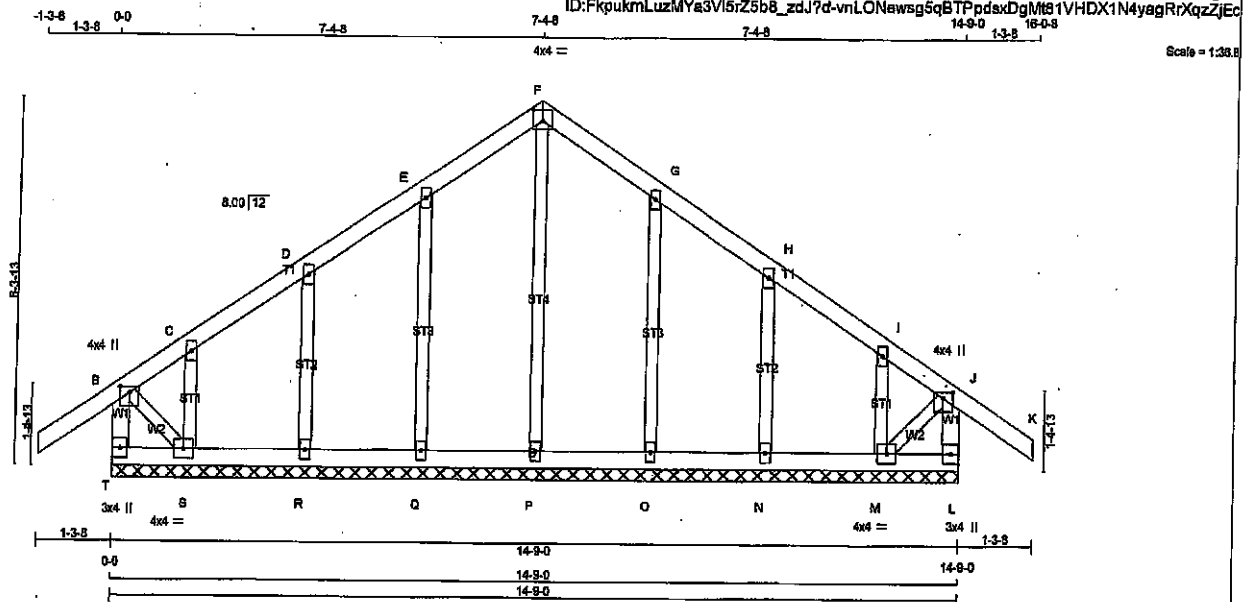


DRWG NO. TAM 17905360
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME G8	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID: FkpukmLuzMYa3V5rZ5b8_zdJ?d-vnLONewsg5qBTPdxDgm161VHDX1N4yagRrXqzZJEC



TOTAL WEIGHT = 65 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
T - B	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
T - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF
DRY, SEASONED LUMBER.				
GABLE STUDS SPACED AT	2'-0" OC.			

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWV+p	MT20	4.0	4.0	1.25	2.00
C, D, E, G, H, I					
C TMWV+w	MT20	2.0	4.0		
F TTWV+p	MT20	4.0	4.0	2.25	2.00
J TMWV+p	MT20	4.0	4.0		
L BMWV+p	MT20	3.0	4.0		
M BMWV+1-t	MT20	4.0	4.0		
N, O, P, Q, R					
N BMWV+1-w	MT20	2.0	4.0		
S BMWV+1-t	MT20	4.0	4.0		
T BMWV+1-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. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO		FROM TO		FR-TO			
T-B	-303 / 0	0.0 0.0 0.03 (1)	7.81	P-F	-180 / 0	0.10 (1)	
A-B	0 / 39	-102.1 -102.1 0.14 (1)	10.00	Q-E	-229 / 0	0.08 (1)	
B-C	-62 / 0	-102.1 -102.1 0.13 (1)	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)	8.25	C-G	-229 / 0	0.08 (1)	
E-F	-22 / 0	-102.1 -102.1 0.06 (1)	8.25	N-H	-211 / 0	0.05 (1)	
F-G	-22 / 0	-102.1 -102.1 0.06 (1)	8.25	M-I	-88 / 0	0.01 (1)	
G-H	-13 / 0	-102.1 -102.1 0.06 (1)	8.25	B-S	0 / 27	0.01 (1)	
H-I	-14 / 0	-102.1 -102.1 0.05 (1)	8.25	M-J	0 / 27	0.01 (1)	
I-J	-62 / 0	-102.1 -102.1 0.13 (1)	10.00				
J-K	0 / 39	-102.1 -102.1 0.14 (1)	10.00				
L-J	-303 / 0	0.0 0.0 0.03 (1)	7.81				
T-S	0 / 0	-17.5 -17.5 0.01 (4)	10.00				
S-R	0 / 18	-17.5 -17.5 0.01 (4)	10.00				
R-Q	0 / 12	-17.5 -17.5 0.01 (4)	10.00				
Q-P	0 / 8	-17.5 -17.5 0.01 (4)	10.00				
P-O	0 / 8	-17.5 -17.5 0.01 (4)	10.00				
O-N	0 / 12	-17.5 -17.5 0.01 (4)	10.00				
N-M	0 / 18	-17.5 -17.5 0.01 (4)	10.00				
M-L	0 / 0	-17.5 -17.5 0.01 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
CL = 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 8, NBCC 2010, NBCC 2015

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

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), SS=0.09/1.00 (A-B:1)
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

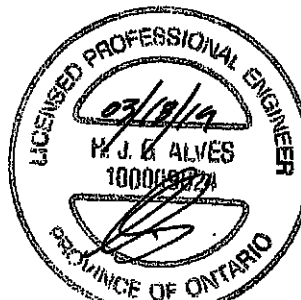
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 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 (G) (INPUT = 1.00)



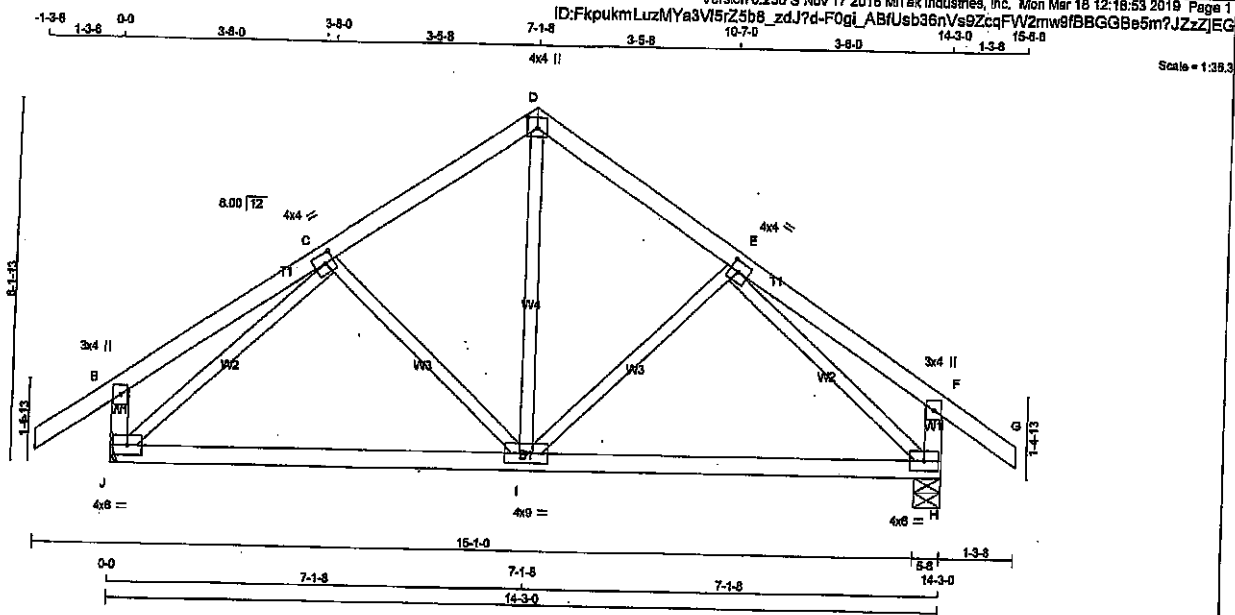
DWG NO. TAM 71905361
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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Scale = 1/32

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
J - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
J - H	2x4	DRY	No.2

ALL WEBS 2x3 DRY

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-t	MT20	4.0	4.0	2.00	1.75
D	TTW+p	MT20	4.0	4.0	2.25	2.00
E	TMVW-t	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BMVW1-t	MT20	4.0	9.0		
J	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
J	982	0	982	0
H	982	0	982	0

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

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	685	483 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
H	685	483 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00								
B-C	0 / 23	-102.1	-102.1	0.20 (1)	10.00								
C-D	-870 / 0	-102.1	-102.1	0.18 (1)	8.25								
D-E	-670 / 0	-102.1	-102.1	0.16 (1)	8.25								
E-F	0 / 23	-102.1	-102.1	0.20 (1)	10.00								
F-G	0 / 39	-102.1	-102.1	0.14 (1)	10.00								
H-I	-280 / 0	0.0	0.0	0.03 (1)	7.81								
I-H	-280 / 0	0.0	0.0	0.03 (1)	7.81								
J-I	0 / 684	-17.5	-17.5	0.30 (4)	10.00								
I-H	0 / 684	-17.5	-17.5	0.30 (4)	10.00								

TOTAL WEIGHT = 2 X 61 = 123 lb

(M/F)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.9 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = 1/380 (0.47")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.02")
ALLOWABLE DEFL. (TL) = 1/360 (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), WB=0.37/1.00 (C-J: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.

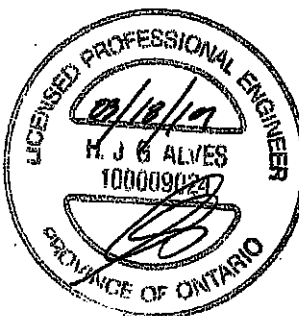
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



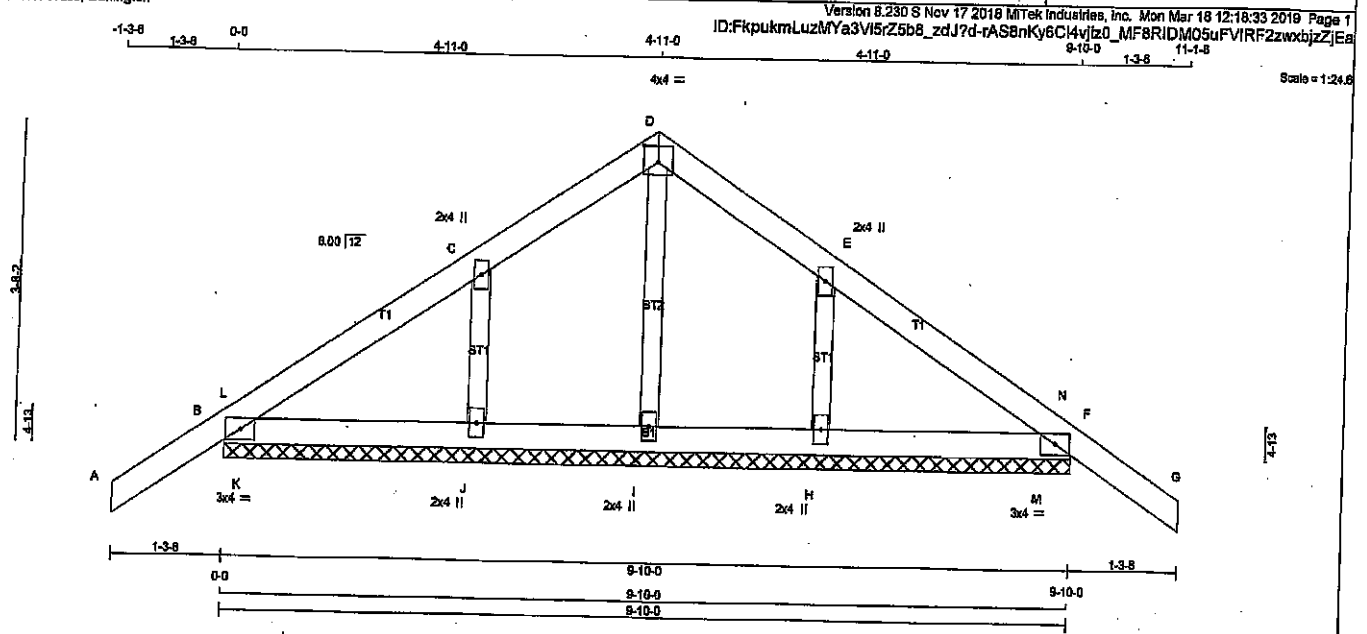
DRWG NO. TAM 17905363
STRUCTURAL
COMPONENT ONLY

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:54 2019 Page 1
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1-3-8 0-0 4-10-8 4-10-8 2-3-0 7-1-8 10-4-1 3-2-9 3-10-15 14-3-0 15-6-8 1-3-8
4x8 II
Scale = 1:35.7



DWG NO. TAM 7905364
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	G10	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:33 2019 Page 1	



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

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-J	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-J	MT20	3.0	4.0		
H, I, J	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MAX. FACTORED FORCE (LBS)

FACTORED VERT. LOAD (PLF)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

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MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

TOTAL WEIGHT = 34 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.0 PSF

TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

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

CSI: TC=0.14/1.00 (F-G-1), BC=0.06/1.00 (B-K-1), WB=0.04/1.00 (E-H-1), SS=0.12/1.00 (F-M-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

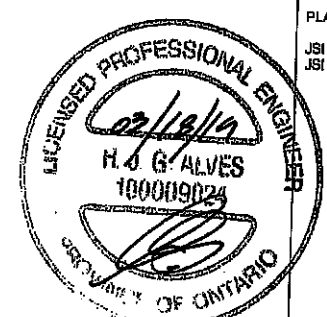
MT20 618 354 1667 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.26 (F) (INPUT = 0.90)

JSI METAL= 0.15 (C) (INPUT = 1.00)

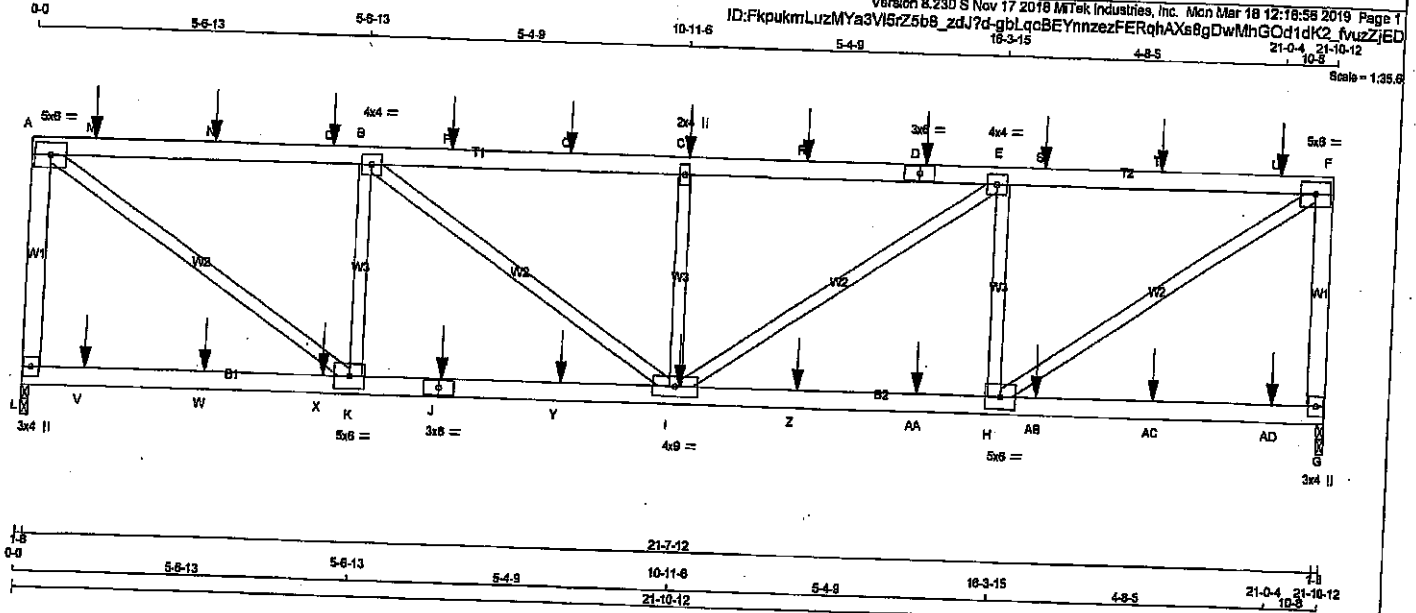


DRWG NO. TAM 7905365
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:18:58 2019 Page 1
ID: FkpukmLuzMYa3V16rZ5b8_zdJ7d-gblqcBEYnnzrFERqhAXs8GdwMhGd1dK2_fvuzZIED
21-0-4, 21-10-12
18-3-15
4-8-5
10-3
Scale = 1:35.8



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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(81.0)
D-F	12	SIDE(0.0)
F-G	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(81.0)
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
A	TRWV-t	MT20	5.0	8.0	
B	TRWV-t	MT20	4.0	4.0	
C	TRWV-t	MT20	2.0	4.0	
D	TS-1	MT20	3.0	6.0	
E	TRWV-t	MT20	4.0	4.0	
F	TRWV-t	MT20	5.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMWV-t	MT20	5.0	6.0	
I	BMWV-t	MT20	4.0	9.0	
J	BS-1	MT20	3.0	6.0	
K	BMWV-t	MT20	5.0	6.0	
L	BMV1+p	MT20	3.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	JT	BRG	JT	BRG
L	2119 0	L	2119 0	L	1-8	L	1-8
G	2134 0	G	2134 0	G	1-8	G	1-8

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 4.88 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)

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			
L-A	-2050 / 0	0.0	0.0 0.28 (1)	H-F	0 / 2988	0.37 (1)	
A-M	-2488 / 0	-102.1	-102.1 0.45 (1)	A-K	0 / 2991	0.37 (1)	
M-N	-2488 / 0	-102.1	-102.1 0.45 (1)	H-E	-1502 / 0	0.20 (1)	
N-O	-2488 / 0	-102.1	-102.1 0.45 (1)	K-B	-1503 / 0	0.20 (1)	
O-B	-2488 / 0	-102.1	-102.1 0.45 (1)	E-I	0 / 824	0.10 (1)	
B-P	-3138 / 0	-102.1	-102.1 0.47 (1)	B-I	0 / 821	0.10 (1)	
P-Q	-3138 / 0	-102.1	-102.1 0.47 (1)	I-C	-805 / 0	0.11 (1)	
Q-C	-3138 / 0	-102.1	-102.1 0.47 (1)				
C-R	-3138 / 0	-102.1	-102.1 0.47 (1)				
R-D	-3138 / 0	-102.1	-102.1 0.47 (1)				
D-E	-3138 / 0	-102.1	-102.1 0.47 (1)				
E-S	-2488 / 0	-102.1	-102.1 0.45 (1)				
S-T	-2488 / 0	-102.1	-102.1 0.45 (1)				
T-U	-2488 / 0	-102.1	-102.1 0.45 (1)				
U-F	-2488 / 0	-102.1	-102.1 0.45 (1)				
G-F	-2062 / 0	0.0	0.0 0.28 (1)				
L-V	0 / 0	-17.5	-17.5 0.12 (4)				
V-W	0 / 0	-17.5	-17.5 0.12 (4)				
W-X	0 / 0	-17.5	-17.5 0.12 (4)				
X-K	0 / 0	-17.5	-17.5 0.12 (4)				
K-J	0 / 2468	-17.5	-17.5 0.28 (1)				
J-Y	0 / 2488	-17.5	-17.5 0.28 (1)				
Y-I	0 / 2488	-17.5	-17.5 0.28 (1)				
I-Z	0 / 2468	-17.5	-17.5 0.28 (1)				
Z-AA	0 / 2468	-17.5	-17.5 0.28 (1)				
AA-H	0 / 2468	-17.5	-17.5 0.28 (1)				
H-AB	0 / 0	-17.5	-17.5 0.12 (4)				
AB-AC	0 / 0	-17.5	-17.5 0.12 (4)				
AC-AD	0 / 0	-17.5	-17.5 0.12 (4)				
AD-G	0 / 0	-17.5	-17.5 0.12 (4)				

FACTORED CONCENTRATED LOADS (LBS)

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

TOTAL WEIGHT = 4 X 87 = 348 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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/889 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/889 (0.12")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1956

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

DRWG NO. TAM 71905366
STRUCTURAL
COMPONENT ONLY 1/2

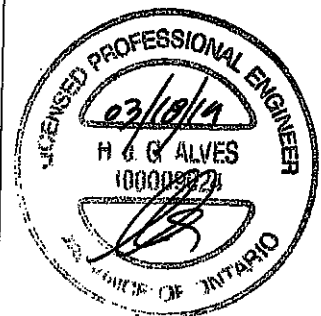
CONTINUED ON PAGE 2

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

Tamarack Roof Truss, Burlington

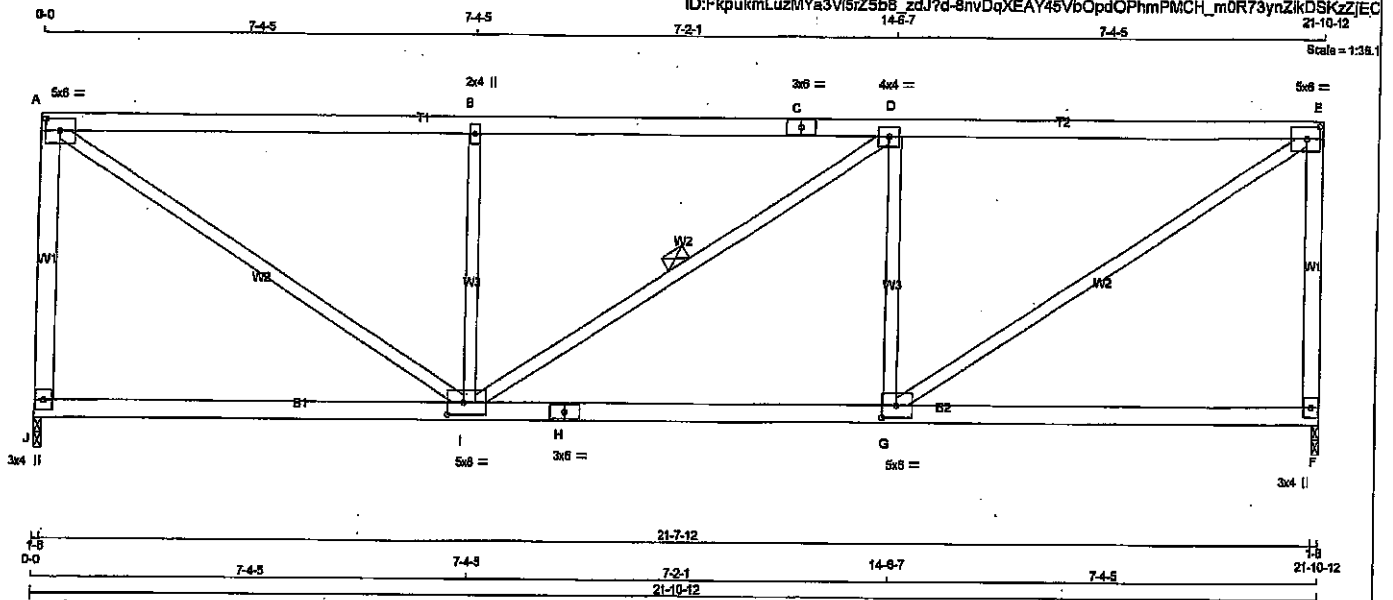
Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:18:56 2019 Page 2
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FACTORED CONCENTRATED LOADS (LBS)									
	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT	5-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
O	7-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
P	9-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
Q	13-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
R	17-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
S	19-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
T	21-0-4	-129	-129	---	BACK	VERT	TOTAL	---	---
U	1-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
V	3-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
W	5-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
X	9-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
Y	13-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
Z	15-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
AA	17-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
AB	19-0-4	-25	-25	---	BACK	VERT	TOTAL	---	---
AC	21-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---



DWG NO. TAM 17905366
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		Version 6.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 12:18:57 2019 Page 1			
		ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-8nvDqXEAY45VbOpdOPhmPMCH_m0R73ynZikDSKZJEC			
		14-6-7 21-10-12			
		Scale = 1:38.1			



TOTAL WEIGHT = 2 X 88 = 176 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	2.50	2.75	
B	TMVW-w	MT20	2.0	4.0			
C	TS-t	MT20	3.0	6.0			
D	TMVW-t	MT20	4.0	4.0			
E	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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
J	1309	0	1309	0
F	1309	0	1309	0

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	920	836 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	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) J, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 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 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 (PLF)	MAX. FACTORED CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO			FR-TO			
J-A	-1258 / 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	0.80 (1)	3.99	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)	3.99	I-B	-813 / 0	0.31 (1)
D-E	-1457 / 0	-102.1	-102.1	0.80 (1)	3.98	I-D	-1 / 0	0.00 (1)
F-E	-1258 / 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 = 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. GC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-08, CSA 088-14
- TPI 2011, TPI 2014

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

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

CS1: TC=0.90/1.00 (D-E:1), BC=0.39/1.00 (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

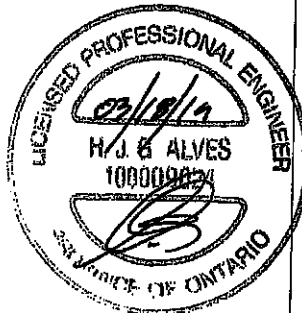
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1856

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)

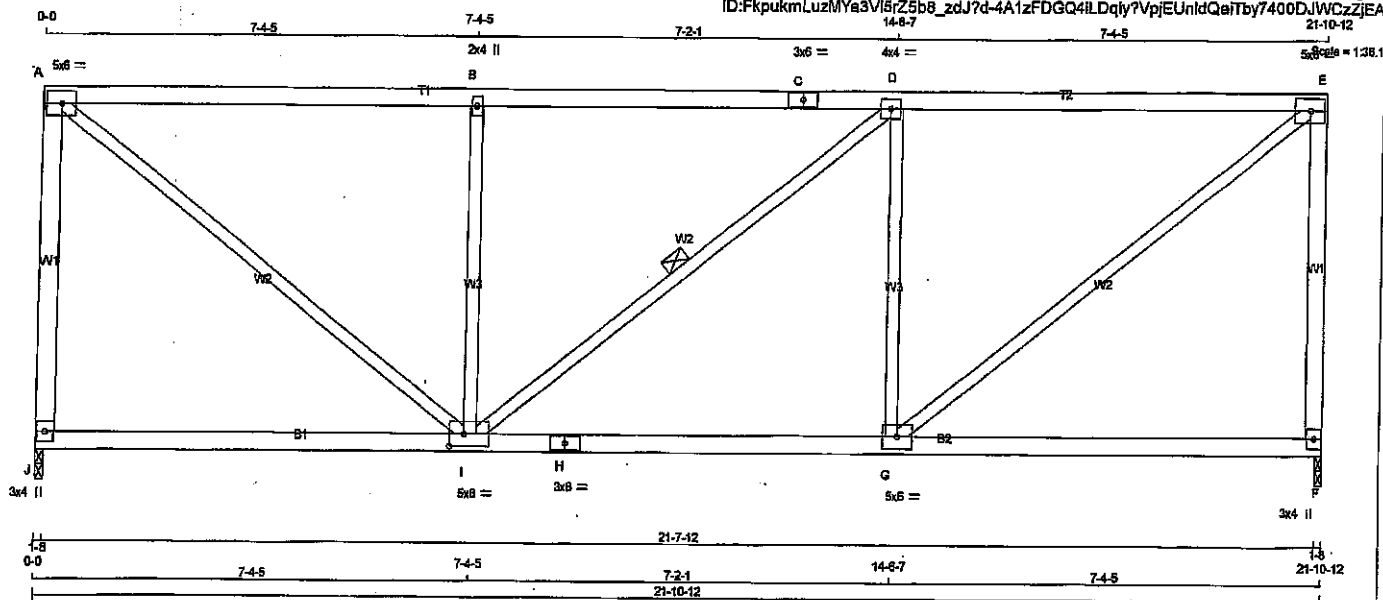


DRWG NO. TAM 77905367
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 8.290 S Nov 17 2018 Mitel Industries, Inc. Mon Mar 18 12:18:59 2018 Page 1
ID:FkpukmLuzMYa3VIsZ5b8_2dJ7d-4A1zFDGQ4ILDqly?VpjEUndQaItby7400DJWCZZJEA
14-8-7 21-10-12 5.8000 = 138.1



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
J - A	2x4 DRY	No.2	SPF		
A - C	2x4 DRY	No.2	SPF		
C - E	2x4 DRY	No.2	SPF		
F - 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			
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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UPLIFT	IN-SX
J	1309	0	0	1-8
F	1309	0	0	1-8

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
J	920	836 / 0 0 / 0 0 / 0 0 / 0 285 / 0 0 / 0
F	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) J, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRAC. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
J-A	-1256 / 0	0.0	0.0	0.91 (1)	7.17	G-E	0 / 1538
A-B	-1208 / 0	-102.1	-102.1	0.88 (1)	4.35	A-I	0 / 1536
B-C	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	G-D	-814 / 0
C-D	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	I-B	-813 / 0
D-E	-1207 / 0	-102.1	-102.1	0.88 (1)	4.32	I-D	-2 / 0
F-E	-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	0.31 (1)	10.00		
H-G	0 / 1207	-17.5	-17.5	0.31 (1)	10.00		
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 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 BCBC 2010, OBC 2012
- CSA 088-08, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

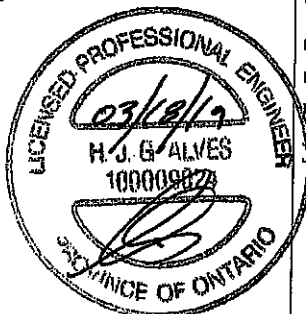
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(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.

SI GRIP= 0.74 (E) (INPUT = 0.90)
SI METAL= 0.36 (H) (INPUT = 1.00)

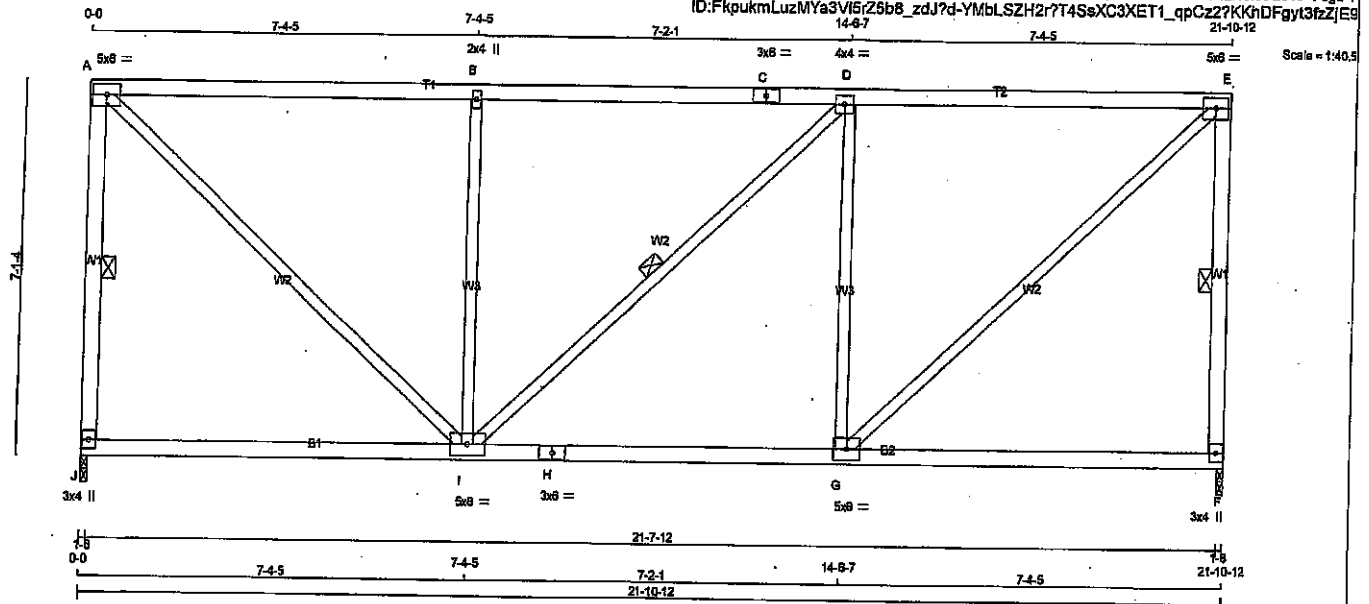


DRWG NO. TAM 71405368
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 8.230 3 Nov 17 2018 Mitek Industries, Inc. Mon Mar 16 12:10:00 2019 Page 1
ID:FkpukmLuzMYa3V6iZ5b8_zdJ7d-YMblSZH2r7T4SsXC3XET1_gpCz27KKhDFgt3fzJES



TOTAL WEIGHT = 2 X 99 = 197 lb

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

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

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0
F	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 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					WEBS				
MAX. FACTORED		FACTORED			MAX. FACTORED		FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. UNBRAC	
FR-TO		FROM TO		LENGTH	FR-TO				
J-A	-1266 / 0	0.0	0.0	0.29 (1)	G-E	0 / 1404	0.32 (1)		
A-B	-1029 / 0	-102.1	-102.1	0.83 (1)	A-I	0 / 1402	0.32 (1)		
B-C	-1029 / 0	-102.1	-102.1	0.83 (1)	G-D	-814 / 0	0.71 (1)		
C-D	-1029 / 0	-102.1	-102.1	0.83 (1)	I-B	-813 / 0	0.71 (1)		
D-E	-1030 / 0	-102.1	-102.1	0.84 (1)	I-D	-2 / 0	0.00 (1)		
F-E	-1257 / 0	0.0	0.0	0.29 (1)					
				5.74					
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.CC

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, OSC 2012
- CSA 080-09, CSA 098-14
- TRC 2011, TRC 2014

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

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

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

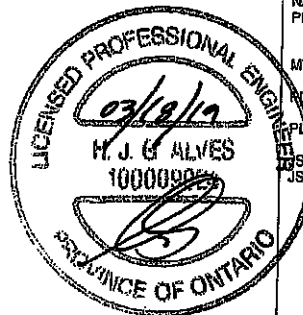
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

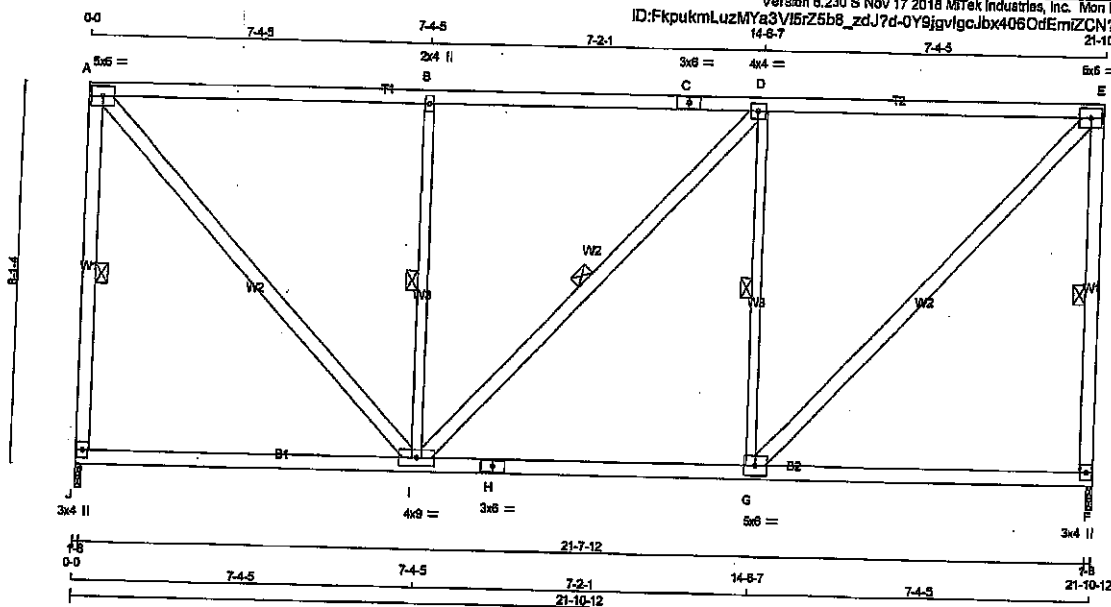
PLATE ROTATION TOL. = 5.0 Deg.

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



DRWG NO. TAM 71405369
STRUCTURAL
COMPONENT ONLY

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



Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:19:01 2019 Page 1
ID:FpkukmLuzMYa3V15rZ5b5_zdJ7d-0Y9jgVfGcJbx406CdEmiZCN7CNON3tnNUKIQb5zZJE8
14-8-7 21-10-12
Scale = 1:45.5

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW-1	MT20	5.0	6.0	
B	TMVW-1	MT20	2.0	4.0	
C	TS-1	MT20	3.0	6.0	
D	TMVW-1	MT20	4.0	4.0	
E	TMVW-1	MT20	5.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMV1+p	MT20	5.0	6.0	
H	BS-1	MT20	3.0	6.0	
I	BMVWW-1	MT20	4.0	9.0	
J	BMV1+p	MT20	3.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ		DOWN	HORZ	IN-SX	IN-SX
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	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
F	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MEMB.	MAX. FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	LC1 MAX (LC)
FR-TO		FROM	TO	FR-TO			
J-A	-1258 / 0	0.0	0.0 0.37 (1)	G-E	0 / 1311	5.74	0.21 (1)
A-B	-898 / 0	-102.1	-102.1 0.82 (1)	A-I	0 / 1309	4.82	0.21 (1)
B-C	-898 / 0	-102.1	-102.1 0.82 (1)	G-D	-814 / 0	4.80	0.34 (1)
C-D	-898 / 0	-102.1	-102.1 0.82 (1)	I-B	-814 / 0	4.80	0.34 (1)
D-E	-899 / 0	-102.1	-102.1 0.82 (1)	F-D	-2 / 0	4.88	0.00 (1)
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 / 899	-17.5	-17.5 0.28 (4)			10.00	
H-G	0 / 899	-17.5	-17.5 0.28 (4)			10.00	
G-F	0 / 0	-17.5	-17.5 0.21 (4)			10.00	

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-09, 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) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.04")
ALLOWABLE DEFL. (TL) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.11")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

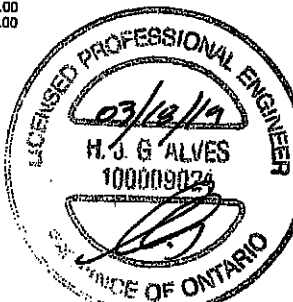
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.76 (I) (INPUT = 0.60)
JSI METAL= 0.29 (I) (INPUT = 1.00)

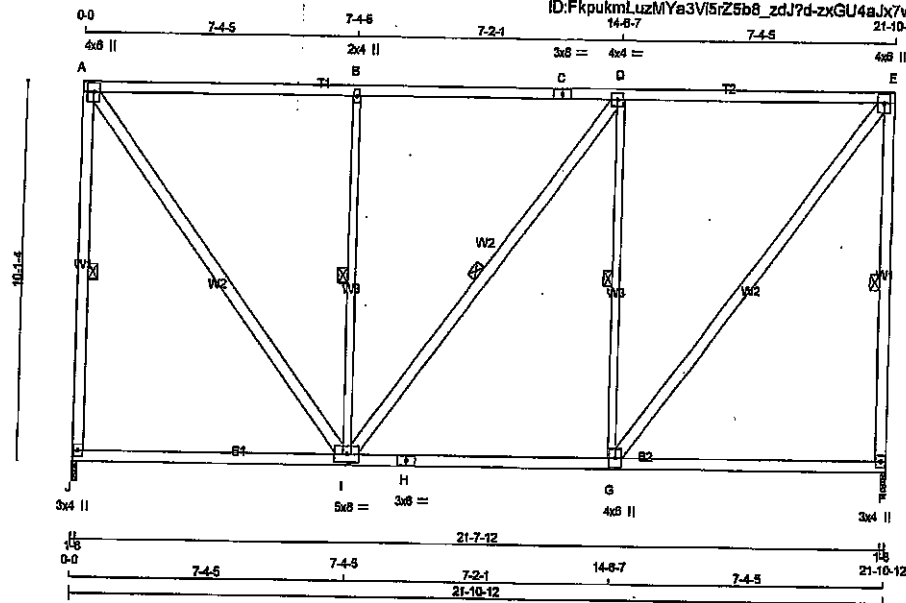


DWG NO. TAM 71905310
STRUCTURAL
COMPONENT ONLY

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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TOTAL WEIGHT = 6 X 128 = 768 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0		
B	TMVW+w	MT20	2.0	4.0		
C	TS-t	MT20	3.0	6.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	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 LOOSE		MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SO	
J	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 /	
F	920	636 / 0	0 / 0	0 / 0	0 / 0	285 / 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 = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MAX. FACTORED FORCE (LBS)	
FR-TO		FROM TO	CSI (LC)		FR-TO			CSI (LC)	
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 / 1191	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	-716 / 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 / 716	-17.5	-17.5	0.27 (4)	10.00				
H-G	0 / 716	-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 2010, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.68 (E) (INPUT = 0.90)
JSI METAL= 0.32 (E) (INPUT = 1.00)

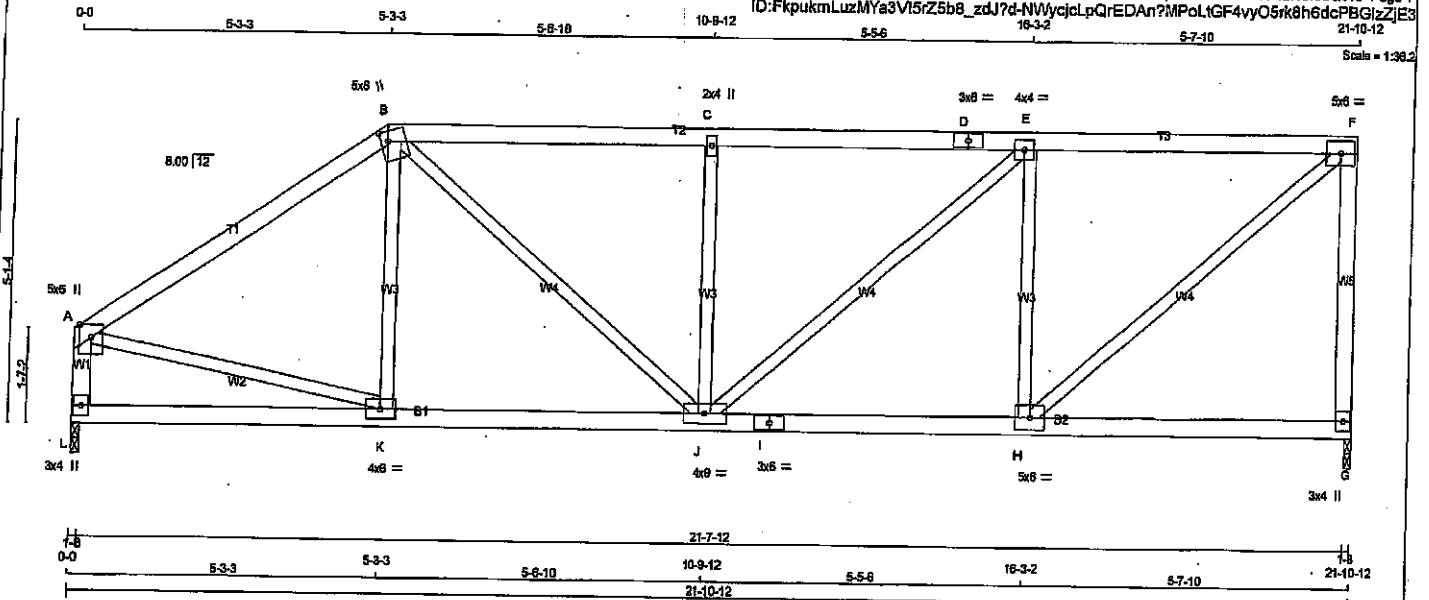


DRWG NO. TAM 7705372
STRUCTURAL
COMPONENT ONLY

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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Scale = 1/32

LUMBER	N. L. G. A. RULES	SIZE	DRY	LUMBER	DESCR.
CHORDS	A - B	2x4	DRY	No.2	SPF
	B - D	2x4	DRY	No.2	SPF
	D - F	2x4	DRY	No.2	SPF
	G - 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
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-I	MT20	3.0	6.0	
E	TMVW-I	MT20	4.0	4.0	
F	TMVW-I	MT20	5.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMVW-I	MT20	5.0	6.0	
I	BS-I	MT20	3.0	6.0	
J	BMVW-I	MT20	4.0	9.0	
K	BMVW-I	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	REQD BRG
	VERT	DOWN	IN-SX	IN-SX
JT				
G	1309 0	1309 0	1-8	1-8
L	1309 0	1309 0	1-8	1-8

UNFACTORED REACTIONS

	1ST CASE	MAX. #/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT							
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 = 4.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LOAD LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LOAD LC1 (LC)	UNBRACED LENGTH (FT)
FR-TO		FROM	TO	FR-TO			
A-B	-1331 / 0	-102.1	-102.1 0.57 (1)	4.85	K-B	-154 / 39	0.06 (1)
B-C	-1555 / 0	-102.1	-102.1 0.48 (1)	4.89	A-K	0 / 1137	0.26 (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)	5.16	H-E	-925 / 0	0.36 (1)
G-F	-1269 / 0	0.0	0.0 0.58 (1)	7.15	J-C	-608 / 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			

TOTAL WEIGHT = 2 X 90 = 180 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.57/1.00 (A-B:1), BC=0.28/1.00 (H-J:1),
WB=0.36/1.00 (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.

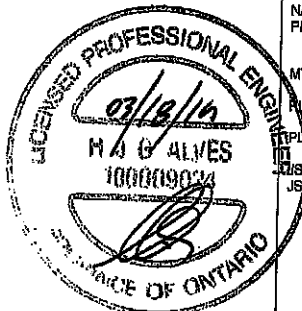
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1657

PLATE PLACEMENT TOL = 0.250 inches

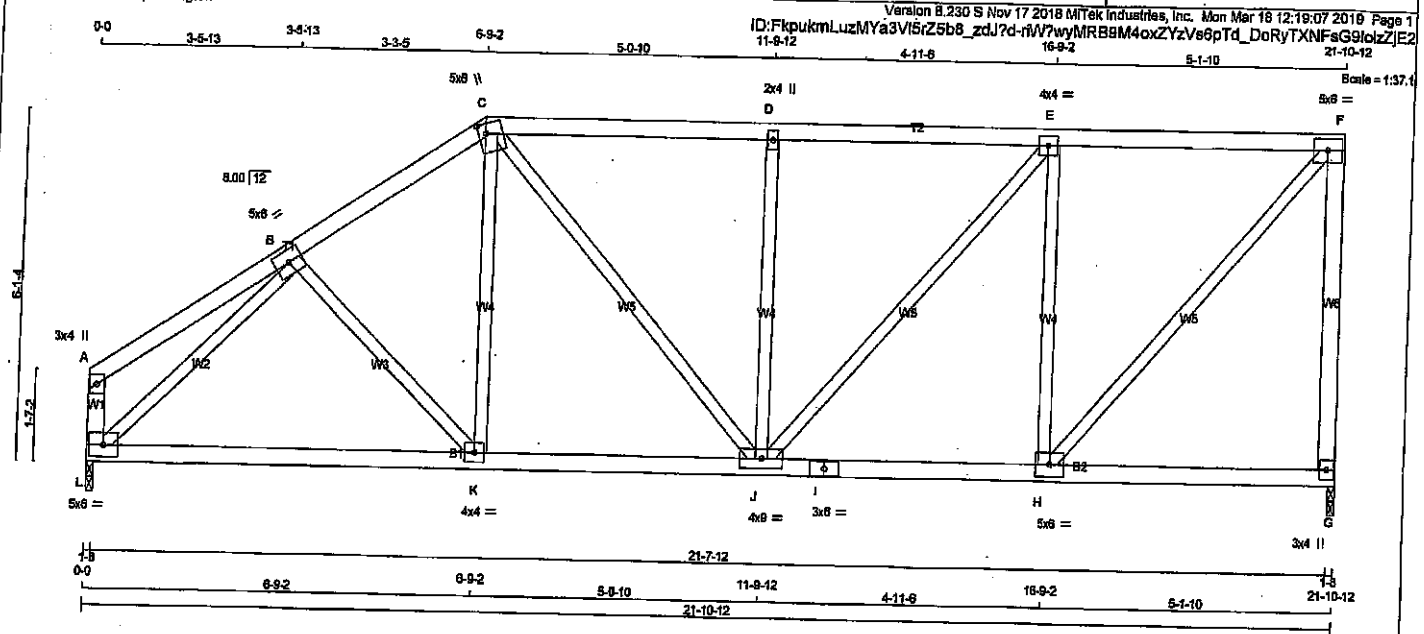
PLATE ROTATION TOL = 5.0 Deg.

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



DWG NO. TAM 71405374
STRUCTURAL
COMPONENT ONLY

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



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

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	5.0	6.0	
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	4.0	
L	BMVW-t	MT20	5.0	6.0	

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

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

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS	
JT		COMBINED	SNOW	LIVE	PERM/LIVE
G	820	836 / 0	0 / 0	0 / 0	0 / 0
L	820	836 / 0	0 / 0	0 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD	MAX. (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0 / 21	-102.1	-102.1	B-K	-15 / 40
B-C	-1305 / 0	-102.1	-102.1	K-C	0 / 138
C-D	-1269 / 0	-102.1	-102.1	L-B	-1557 / 0
D-E	-1269 / 0	-102.1	-102.1	H-F	0 / 1415
E-F	-937 / 0	-102.1	-102.1	C-J	0 / 305
G-F	-1273 / 0	0.0	0.0	H-E	-957 / 0
L-A	-135 / 0	0.0	0.0	J-D	-552 / 0
L-K	0 / 1077	-17.5	-17.5	J-E	0 / 513
K-J	0 / 1069	-17.5	-17.5		
J-I	0 / 937	-17.5	-17.5		
I-H	0 / 937	-17.5	-17.5		
H-G	0 / 0	-17.5	-17.5		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN 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 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/989 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/899 (0.09")

CSI: TO=0.92/1.00 (F-G:1), BC=0.27/1.00 (K-L:1), WB=0.58/1.00 (B-L:1), SSI=0.24/1.00 (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

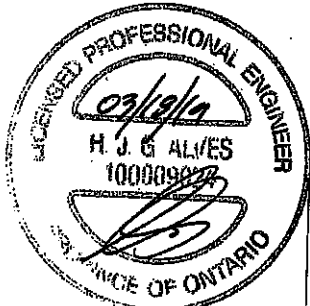
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.76 (H) (INPUT = 0.90)
JSI METAL= 0.88 (B) (INPUT = 1.00)

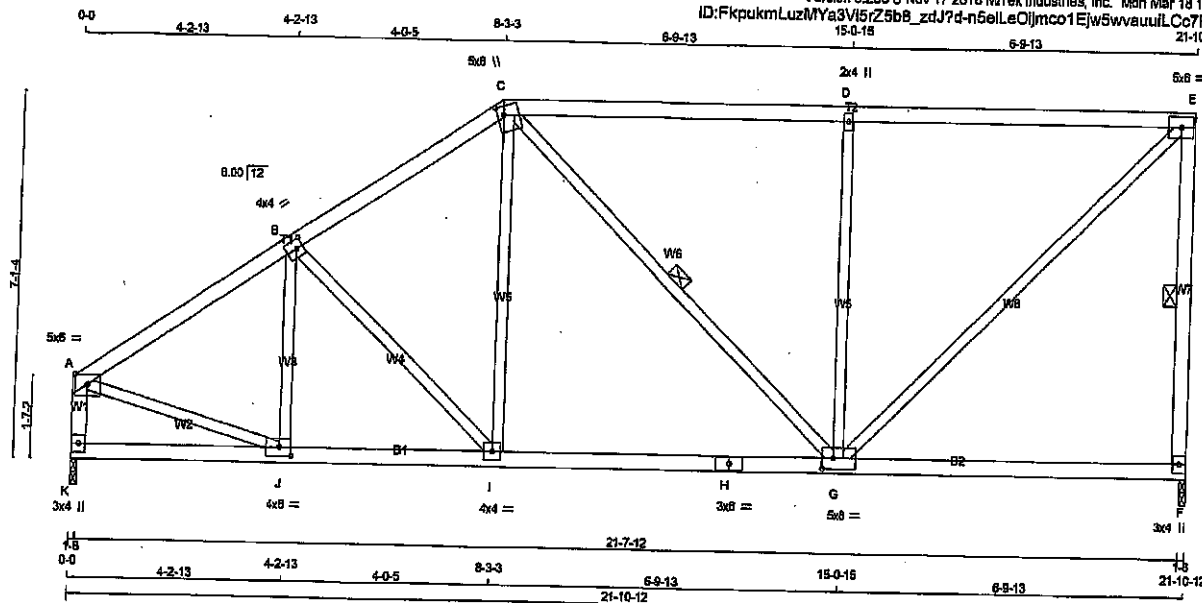


DWG NO. TAM 1795375
STRUCTURAL
COMPONENT ONLY

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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15-0-15 21-10-12 6-8-13



Scale = 1:41.5

LUMBER				DESIGN CRITERIA			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.	SPECIFIED LOADS:			
CHORDS				TOP CH.	LL = 29.0	PSF	
A - C	2x4	DRY	No.2	DL = 6.0	PSF		
C - E	2x4	DRY	No.2	BOT CH.	LL = 0.0	PSF	
F - H	2x4	DRY	No.2	DL = 7.0	PSF		
K - H	2x4	DRY	No.2	TOTAL LOAD = 42.0	PSF		
H - F	2x4	DRY	No.2				

ALL WEBS	2x3	DRY	No.2	SPF	TOTAL WEIGHT = 2 X 97 = 195 lb		
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-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-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-w	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

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERMUE	WIND	DEAD	SOIL
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 = 4.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

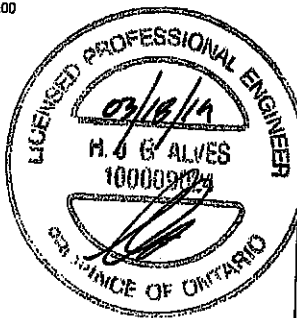
1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	-1349 / 0	J-B	-275 / 0
B-C	-1225 / 0	B-I	-212 / 0
C-D	-1002 / 0	I-C	0 / 245
D-E	-1002 / 0	C-G	-8 / 6
E-F	-1291 / 0	G-D	-854 / 0
K-A	-1276 / 0	G-E	0 / 1412
		A-J	0 / 1196
K-J	0 / 0		
J-I	0 / 1145		
I-H	0 / 999		
H-G	0 / 999		
G-F	0 / 0		



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

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.04")
ALLOWABLE DEFL. (TL) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.09")

CSI: TC=0.89/1.00 (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 LB BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

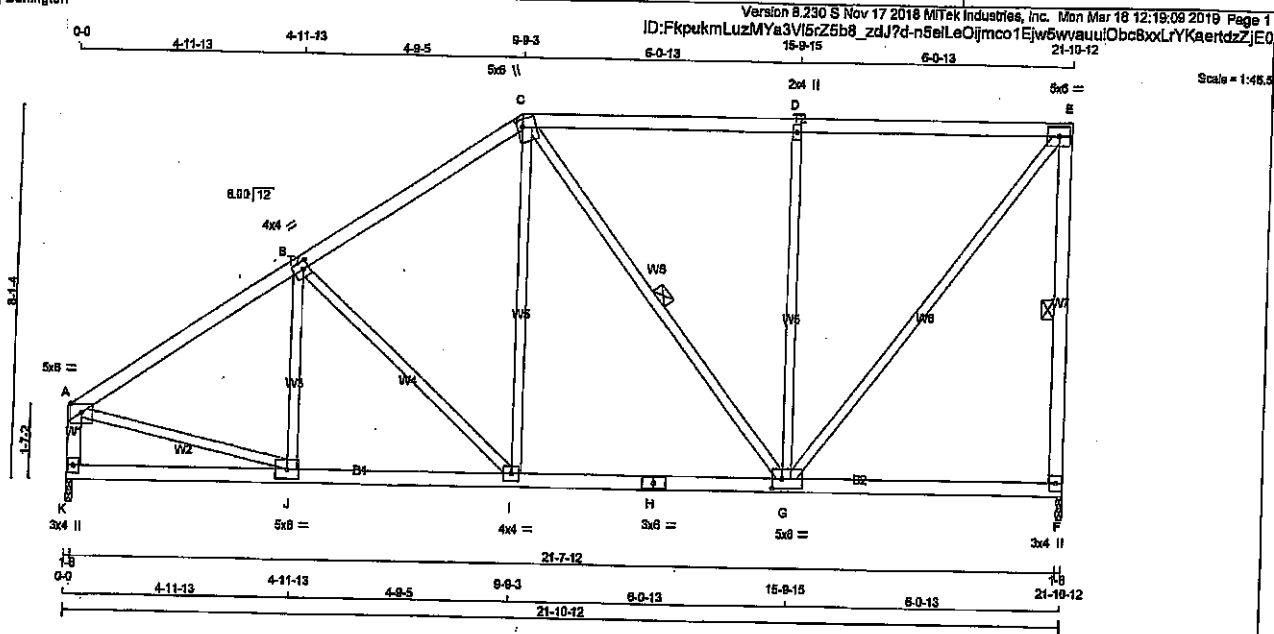
PLATE PLACEMENT TOL. = 0.250 inches

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 401769	TRUSS NAME T22	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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 ID: FkpkumLuzMYa3V15rZ5b8_zdJ7d-n5e1eOjmc01Ejw5wvauu0bc8xLrYKaertdzZJEO
 21-10-12
 Scale = 1:48.5

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		
F - E	2x4	DRY	No.2	SPF		
K - A	2x4	DRY	No.2	SPF		
K - H	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						

DRY: SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVV-p	MT20	5.0	6.0	Edge	
B	TMVV-t	MT20	4.0	4.0	2.00	1.50
C	TTVV+m	MT20	5.0	6.0	2.00	1.50
D	TMVV-w	MT20	2.0	4.0		
E	TMVV-t	MT20	5.0	6.0		
F	BMV1-p	MT20	3.0	4.0		
G	BMVVW-4	MT20	5.0	8.0	2.50	2.50
H	BS-t	MT20	3.0	6.0		
I	BMVV-t	MT20	4.0	4.0		
J	BMVV-t	MT20	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

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

JT	1ST CASE		MAX/MIN. COMPONENT REACTIONS				
	COMBINED	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 = 4.96 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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 (PLF)		MAX. CS (LC)		MAX. UNBRACED LENGTH		MEMB. FR-TO		MAX. FACTORED FORCE (LBS)		MAX. CS (LC)	
FR-TO				FROM	TO										
A-B	-1370 / 0			-102.1	-102.1	0.47 (1)		4.86		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	0.67 (1)		5.53		I-C	0 / 334		0.08 (1)		
D-E	-804 / 0			-102.1	-102.1	0.67 (1)		5.52		C-G	-179 / 0		0.12 (1)		
E-F	-1268 / 0			0.0	0.0	0.38 (1)		5.73		G-D	-768 / 0		0.07 (1)		
F-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)		
J-K	0 / 0			-17.5	-17.5	0.09 (4)		10.00							
K-I	0 / 1167			-17.5	-17.5	0.24 (1)		10.00							
I-H	0 / 814			-17.5	-17.5	0.23 (1)		10.00							
H-G	0 / 814			-17.5	-17.5	0.23 (1)		10.00							
G-F	0 / 0			-17.5	-17.5	0.18 (4)		10.00							

TOTAL WEIGHT = 2 X 103 = 205 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

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 8, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
 - PART 8 OF NBC 2010, NBC 2012
 - CSA 066-09, 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) = 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 (0.08")

CSI: TC=0.67/1.00 (D-E:1), BC=0.24/1.00 (I-J:1), WB=0.97/1.00 (D-G:1), 6SI=0.30/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

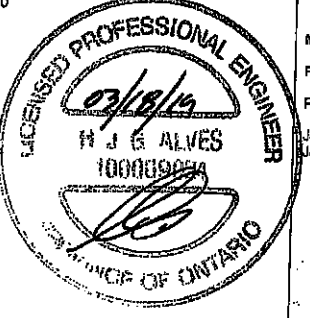
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
20	618	354	1667	768	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.90)
 JSI METAL= 0.35 (H) (INPUT = 1.00)

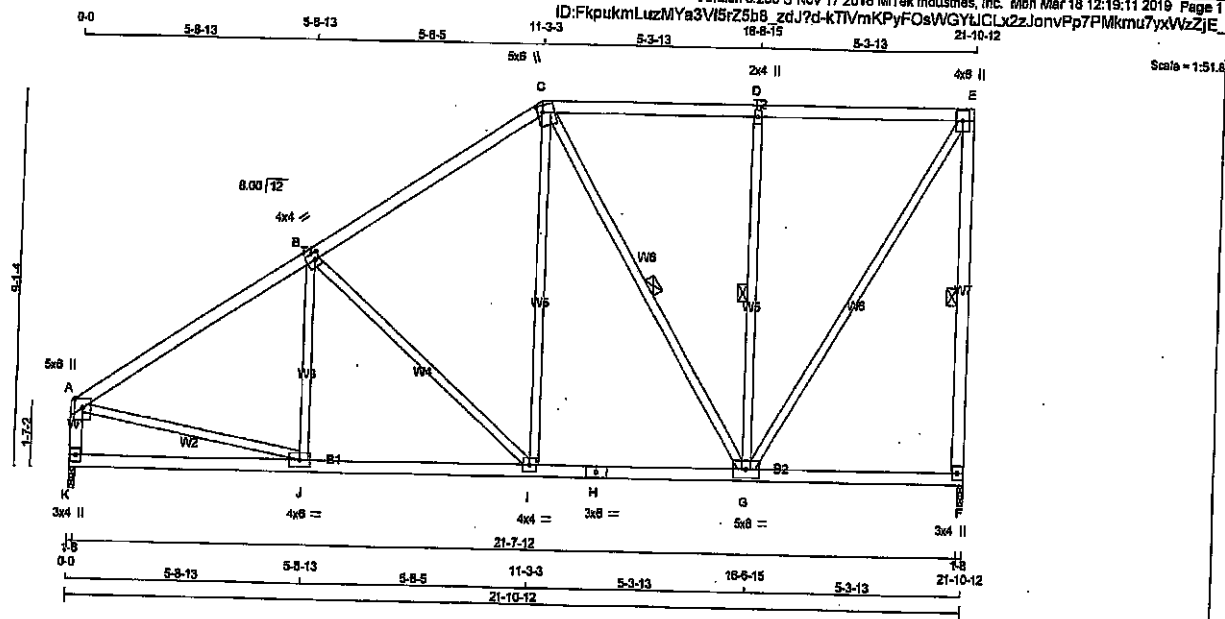


DWG NO. TAM 17405377
 STRUCTURAL
 COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 108 = 216 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 - A	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
EXCEPT
DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	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 LOSE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	920	838 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0
K	920	838 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 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-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. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-1373 / 0	-102.1	-102.1 0.48 (1)	4.99	J-B	-150 / 48	0.07 (1)
B-C	-1019 / 0	-102.1	-102.1 0.43 (1)	5.63	B-I	-485 / 0	0.56 (1)
C-D	-845 / 0	-102.1	-102.1 0.37 (1)	6.25	I-C	0 / 417	0.09 (1)
D-E	-648 / 0	-102.1	-102.1 0.37 (1)	6.25	C-G	-338 / 0	0.26 (1)
F-E	-1270 / 0	0.0	0.0 0.49 (1)	5.71	G-D	-872 / 0	0.36 (1)
K-A	-1268 / 0	0.0	0.0 0.13 (1)	7.15	G-E	0 / 1243	0.28 (1)
					A-J	0 / 1203	0.27 (1)
K-J	0 / 0	-17.5	-17.5 0.14 (4)	10.00			
J-I	0 / 1174	-17.5	-17.5 0.26 (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 = 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 BCBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 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) = $L/999$ (0.06")

CS1: TC=0.49/1.00 (E-F:1), BC=0.28/1.00 (I-J:1), WB=0.58/1.00 (B-I:1), SS1=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.

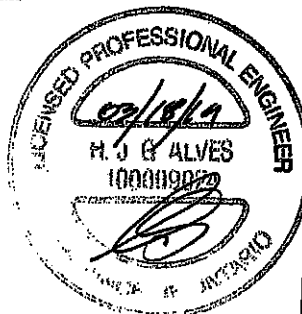
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

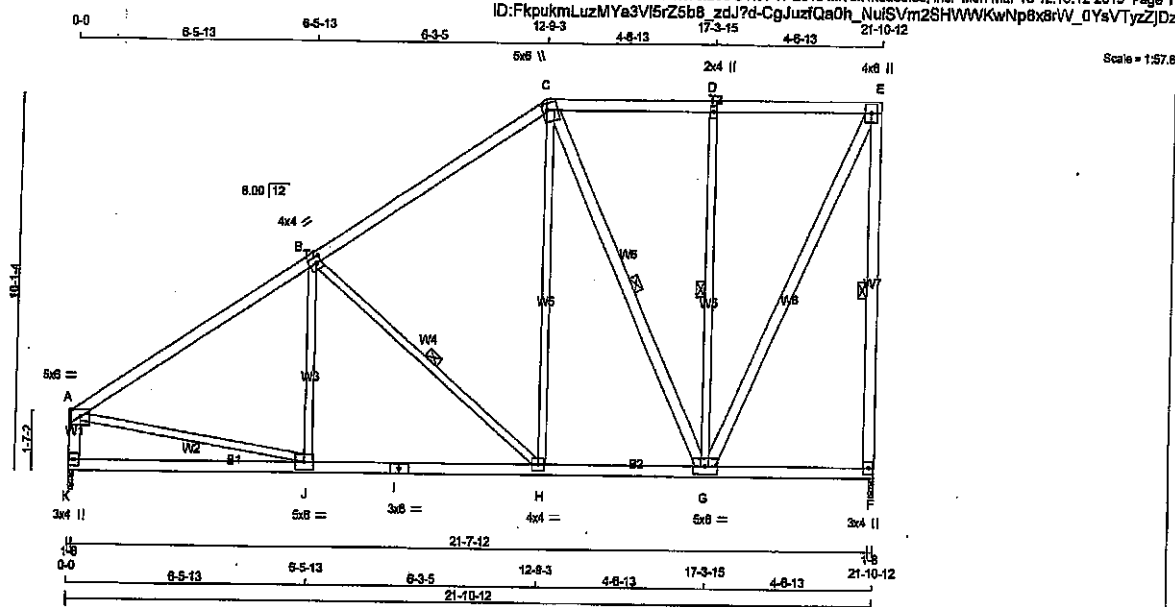
JSI GRIP= 0.88 (A) (INPUT = 0.90)
JSI METAL= 0.66 (A) (INPUT = 1.00)



DRWG NO. TAM 1705378
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

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

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

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

DRY: SEASONED LUMBER

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMMV-p	MT20	5.0	6.0	Edge
B	TMMW-t	MT20	4.0	4.0	2.00 1.50
C	TTMMW+m	MT20	5.0	6.0	2.00 1.50
D	TMMW-w	MT20	2.0	4.0	
E	TMMW-p	MT20	4.0	6.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMWWWW-t	MT20	5.0	8.0	
H	BMV-t	MT20	4.0	4.0	
I	BS-t	MT20	3.0	6.0	
J	BMWW-t	MT20	5.0	6.0	
K	BMV1+o	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 BEARING

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	1308	0	1309	0	0	1-8	1-8
K	1309	0	1308	0	0	1-8	1-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	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) F. K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY
APPLIED

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBB				
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	-1384 / 0	-102.1	-102.1	0.80 (1)	4.75	J-B	-102 / 77	0.08 (1)	
B-C	-900 / 0	-102.1	-102.1	0.58 (1)	5.84	B-H	-813 / 0	0.30 (1)	
C-D	-514 / 0	-102.1	-102.1	0.27 (1)	9.25	H-C	0 / 498	0.11 (1)	
D-E	-514 / 0	-102.1	-102.1	0.27 (1)	6.25	C-G	-481 / 0	0.30 (1)	
E-F	-1275 / 0	0.0	0.0	0.64 (1)	5.71	G-D	-575 / 0	0.40 (1)	
K-A	-1263 / 0	0.0	0.0	0.13 (1)	7.16	E-E	0 / 1208	0.18 (1)	
						A-J	0 / 1193	0.27 (1)	
K-J	0 / 0	-17.5	-17.5	0.18 (4)	10.00				
J-I	0 / 1171	-17.5	-17.5	0.28 (1)	10.00				
I-H	0 / 1171	-17.5	-17.5	0.28 (1)	10.00				
H-G	0 / 718	-17.5	-17.5	0.17 (1)	10.00				
G-F	0 / 0	-17.5	-17.5	0.08 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	29.0	PSF
	DL =	6.0	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

(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 (0.05")

CSI: TC=0.64/1.00 (E-F:1), BC=0.28/1.00 (H-J:1),
WB=0.40/1.00 (D-G:1), SSI=0.27/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1687	769	1987	165

PLATE PLACEMENT TOL = 0.250

PLATE ROTATION TOL = 5.0 Deg

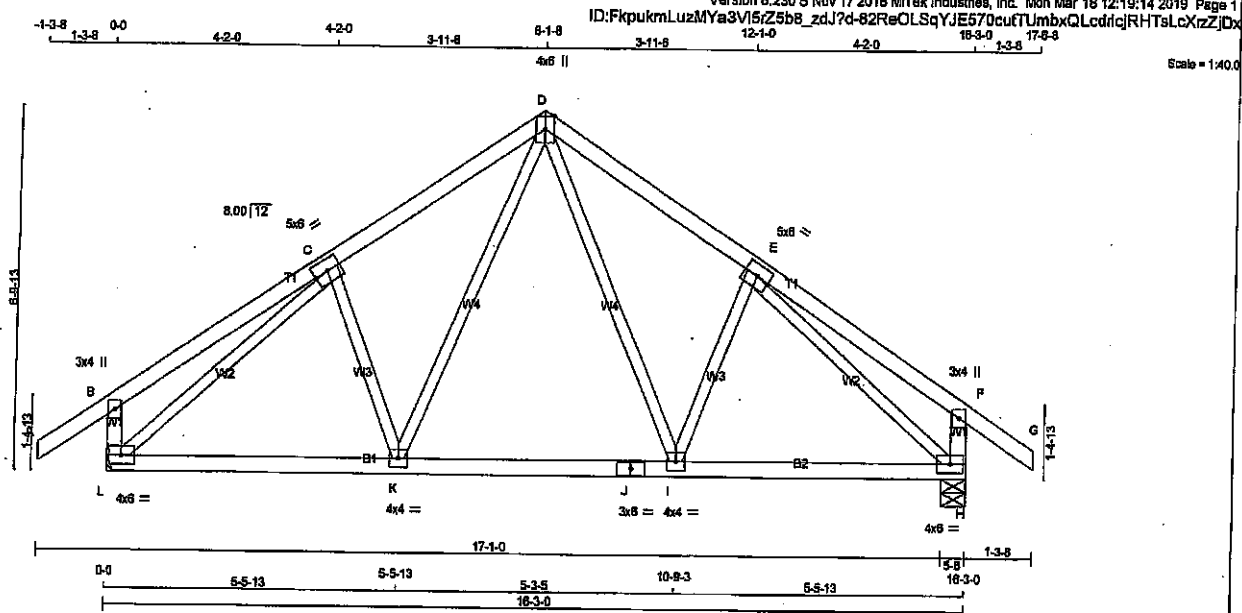
JSI GRIP= 0.75 (A) (INPUT = 0.60)
JSI METAL= 0.40 (I) (INPUT = 1.00)

DWG NO. TAM 77905377
STRUCTURAL
COMPONENT ONLY



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

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ID:FkpukmLuzMYa3V15Z5b8_zdJ7d-82ReOLSqJJE570cu(TUmbxQLcdicjRHTsLcXrzZJdx



TOTAL WEIGHT = 4 X 72 = 288 lb
(M/F)

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-1	MT20	5.0	5.0		
D	TMVW+p	MT20	4.0	6.0	Edge	
E	TMVW-1	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-1	MT20	4.0	6.0		
I	BMVW-1	MT20	4.0	4.0		
J	BS-1	MT20	3.0	6.0		
K	BMVW-1	MT20	4.0	4.0		
L	BMVW-1	MT20	4.0	6.0		

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	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	SO
L	779	552 / 0	0 / 0	0 / 0	0 / 0	228 / 0	0 /
H	779	552 / 0	0 / 0	0 / 0	0 / 0	228 / 0	0 /

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. MAX. (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. MAX. (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	D-I	0 / 358	0.08 (1)	
B-C	0 / 27	-102.1 -102.1	0.27 (1)	I-E	-246 / 0	0.07 (1)	
C-D	-915 / 0	-102.1 -102.1	0.22 (1)	K-D	0 / 358	0.08 (1)	
D-E	-915 / 0	-102.1 -102.1	0.22 (1)	C-K	-246 / 0	0.07 (1)	
E-F	0 / 27	-102.1 -102.1	0.27 (1)	L-C	-1133 / 0	0.57 (1)	
F-G	0 / 39	-102.1 -102.1	0.14 (1)	E-H	-1133 / 0	0.57 (1)	
L-B	-298 / 0	0.0 0.0	0.03 (1)				
H-F	-298 / 0	0.0 0.0	0.03 (1)				
L-K	0 / 828	-17.5 -17.5	0.20 (1)				
K-J	0 / 805	-17.5 -17.5	0.18 (4)				
J-I	0 / 805	-17.5 -17.5	0.16 (4)				
I-H	0 / 828	-17.5 -17.5	0.20 (1)				

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. CG

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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 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=0.277/1.00 (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

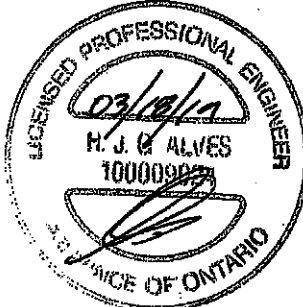
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

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)



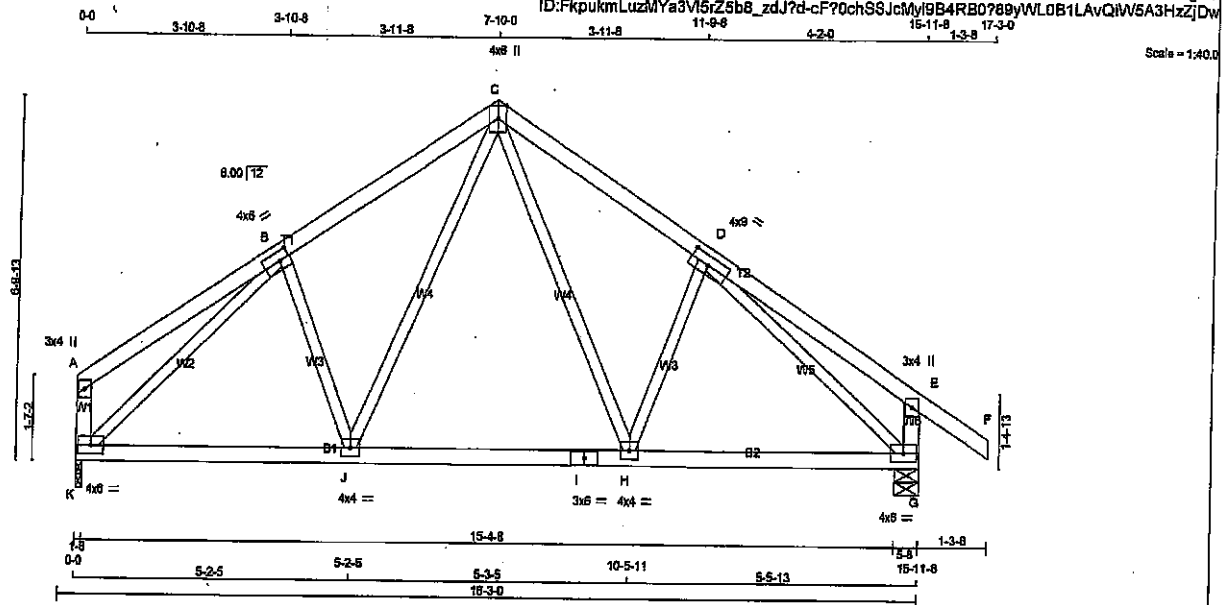
DRWG NO. TAM 11905380
STRUCTURAL
COMPONENT ONLY

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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TOTAL WEIGHT = 2 X 70 = 140 lb

LUMBER

N.L.G.A. RULES

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

ALL WEBS 2x3 DRY No.2

EXCEPT

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	6.0	2.00	2.25
C	TTVW+p	MT20	4.0	8.0	Edge	
D	TMVW-t	MT20	4.0	9.0	2.00	4.25
E	TMV+p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	6.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	DOWN	IN-SX	IN-SX
JT	854	0	1-8	1-8
K	854	0	1-8	1-8
G	1084	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	871	483 / 0	0 / 0	0 / 0	0 / 0	207 / 0	0 / 0
K	871	483 / 0	0 / 0	0 / 0	0 / 0	224 / 0	0 / 0
G	787	543 / 0	0 / 0	0 / 0	0 / 0	224 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	FR-TO
A-B	0 / 26	-102.1	-102.1	0.25 (1)	10.00	C-H	0 / 371	0.08 (1)	
B-C	-867 / 0	-102.1	-102.1	0.20 (1)	6.25	H-D	-298 / 0	0.07 (1)	
C-D	-865 / 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	0.06 (1)	
E-F	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-B	-1087 / 0	0.50 (1)	
K-A	-148 / 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	0.16 (4)	10.00				
I-H	0 / 583	-17.5	-17.5	0.16 (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 NBCC 2010, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(95% 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 (0.53")
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=0.277/1.00 (D-E:1), BC=0.191/1.00 (G-H:1), WB=0.55/1.00 (D-G:1), SSI=0.171/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

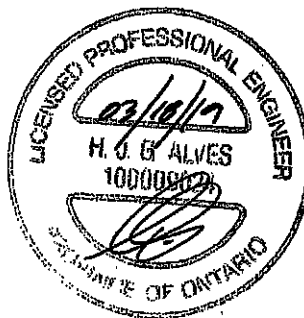
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

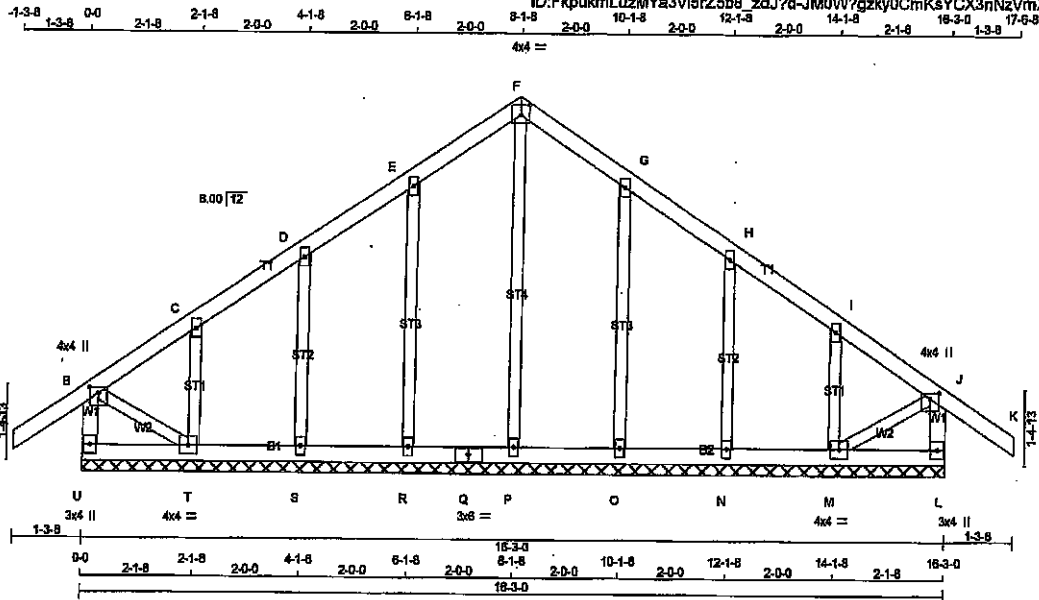
JSI GRIP= 0.61 (K) (INPUT = 0.80)
JSI METAL= 0.28 (B) (INPUT = 1.00)



DRWG NO. TAM 1705382
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



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

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - F	2x4	DRY	No.2	SPF		
F - K	2x4	DRY	No.2	SPF		
U - B	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
U - Q	2x4	DRY	No.2	SPF		
Q - 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 24.0 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						
F	TMVW+w	MT20	2.0	4.0		
J	TTW-p	MT20	4.0	4.0	2.25	2.00
L	BMV1+p	MT20	3.0	4.0	1.25	2.00
M	BMVW1-t	MT20	4.0	4.0		
N, O, P, R, S						
Q	BMV1+w	MT20	2.0	4.0		
T	BS-t	MT20	3.0	6.0		
U	BMVW1-t	MT20	4.0	4.0		
	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)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0/39	-102.1	-102.1 0.14 (1)	10.00	P-F	-149/0	0.11 (1)
B-C	-26/0	-102.1	-102.1 0.08 (1)	8.25	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)	8.25	N-H	-188/0	0.05 (1)
G-H	-20/0	-102.1	-102.1 0.08 (1)	8.25	M-I	-230/0	0.04 (1)
H-I	-33/0	-102.1	-102.1 0.08 (1)	8.25	B-T	0/35	0.01 (1)
I-J	-25/0	-102.1	-102.1 0.08 (1)	8.25	M-J	0/35	0.01 (1)
J-K	0/39	-102.1	-102.1 0.14 (1)	10.00			
L-B	-280/0	0.0	0.0 0.03 (1)	7.81			
L-J	-280/0	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			

TOTAL WEIGHT = 2 X 73 = 145 lb

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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, 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 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (J-K), BC=0.02/1.00 (M-N), WB=0.11/1.00 (F-P), SS=0.09/1.00 (J-K)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

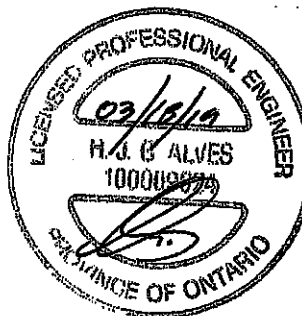
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1887 1856

PLATE PLACEMENT TOL = 0.250 inches

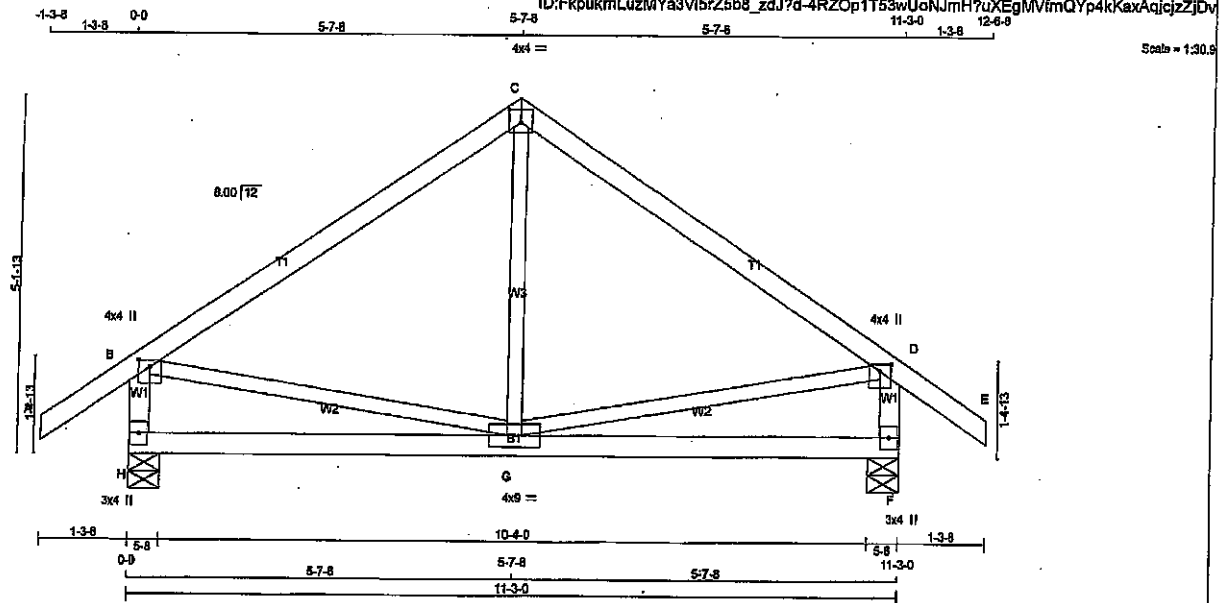
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.55 (T) (INPUT = 0.90)
JSI METAL= 0.12 (G) (INPUT = 1.00)



DWG NO. TAM 17905381
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T26	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:19:18 2019 Page 1			
		ID: FkpukmLuzMYa3V15rZ5b8_zdJ7d-4RZOp1T53wUoNjmh7uXEgMVimQYp4kKaxAqjczZjDv			



TOTAL WEIGHT = 2 X 47 = 93 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	
H - B	2x4	DRY	No.2	SPF	
F - D	2x4	DRY	No.2	SPF	
H - F	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW+1	MT20	4.0	8.0		
H	BMV1+p	MT20	3.0	4.0		

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

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
H	813	0	0	5-8
F	813	0	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL
H	569	405/0	0/0	0/0	0/0	0/0	183/0	0/0
F	569	405/0	0/0	0/0	0/0	0/0	183/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. 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. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (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)	8.25	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	0/39	-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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TRC 2011, TRC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/899 (0.03")

CSI: TO=0.42/1.00 (B-C:1), BC=0.16/1.00 (F-G:4), WB=0.09/1.00 (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.

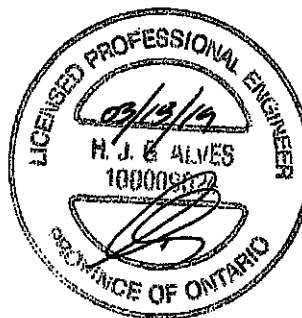
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

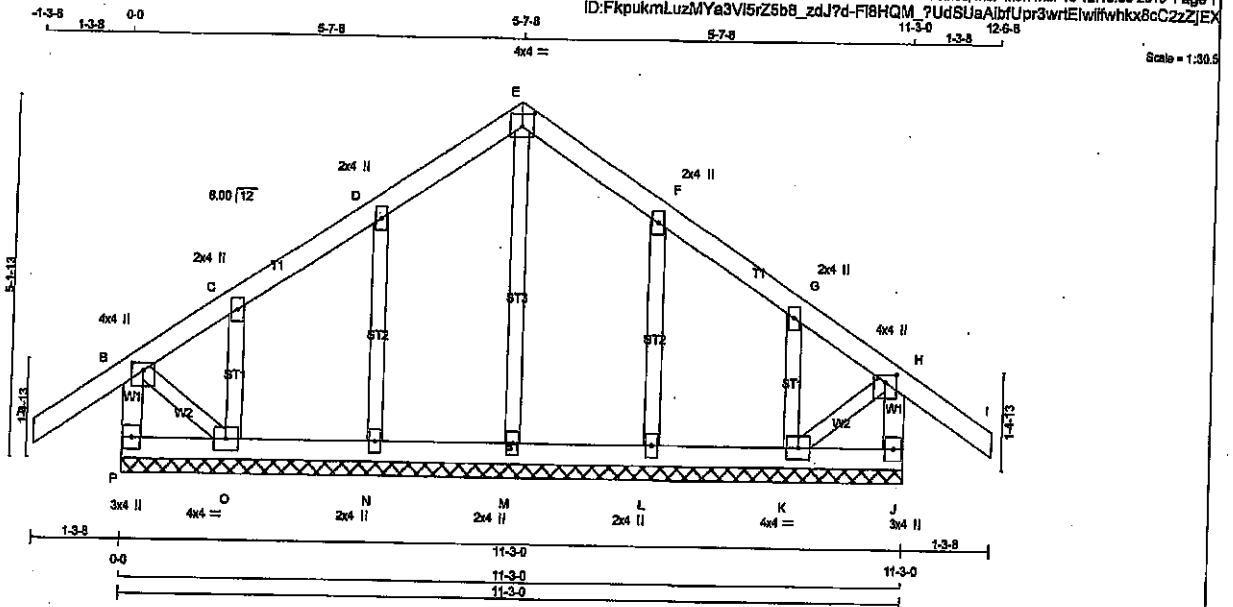


DRWG NO. TAM 7905383
STRUCTURAL
COMPONENT ONLY

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:FkpuKmLuzMya3V5rZ5b8_zdJ7d-F18HQM_?Ud8UaA1bfUpr3wrtElwifwhtx8cC2zJEX



Scale = 1:30.5

LUMBER

N.L.G.A. RULES

CHORDS SIZE

P - B 2x4 DRY No.2

A - E 2x4 DRY No.2

E - I 2x4 DRY No.2

J - H 2x4 DRY No.2

P - J 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

ALL GABLE WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table 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 TMW+p	MT20	4.0	4.0	1.25	2.00
J BMW1+p	MT20	3.0	4.0		
K BMW1-t	MT20	4.0	4.0		
L, M, N					
L BMW1+w	MT20	2.0	4.0		
O BMW1-t	MT20	4.0	4.0		
P BMW1+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)

FR-TO	CHORDS			WEBS		
	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
P-B		-298 / 0	0.0	M-E	-157 / 0	7.81
A-B		0 / 39	-102.1	N-D	-247 / 0	10.00
B-C		-50 / 0	-102.1	O-C	-103 / 0	6.25
C-D		-4 / 0	-102.1	L-F	-247 / 0	10.00
D-E		-20 / 0	-102.1	K-G	-103 / 0	6.25
E-F		-20 / 0	-102.1	B-O	0 / 19	6.25
F-G		-4 / 0	-102.1	K-H	0 / 19	6.25
G-H		-50 / 0	-102.1			
H-I		0 / 39	-102.1			
J-H		-298 / 0	0.0			
P-O		0 / 0	-17.5			
O-N		0 / 12	-17.5			
N-M		0 / 8	-17.5			
M-L		0 / 8	-17.5			
L-K		0 / 12	-17.5			
K-J		0 / 0	-17.5			

TOTAL WEIGHT = 2 X 49 = 98 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF

BOT CH. LL = 6.0 PSF

DL = 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 2010, OBC 2012
- CSA 089-08, CSA 089-14
- 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 (N-D:4), WB=0.06/1.00 (E-M:1), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

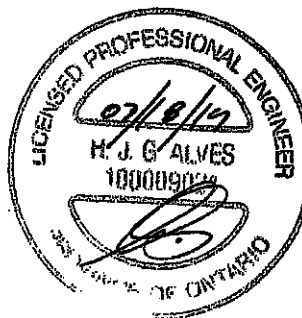
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

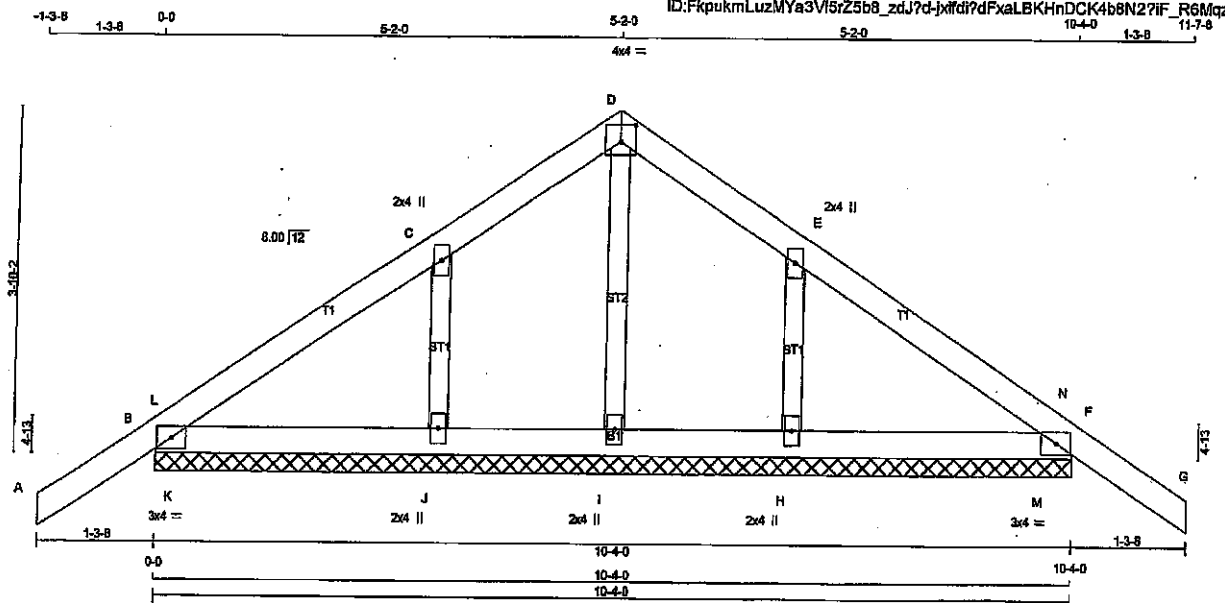
PLATE ROTATION TOL = 5.0 Deg.

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



DWG NO. TAM 11905384
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME G27	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:37 2018 Page 1	



TOTAL WEIGHT = 38 lb

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

GABLE STUDS SPACED AT 2'-0" 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	BMW1-w	MT20	2.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/38	-102.1 -102.1	0.14 (1)	I-D	-73/0	0.02 (1)	
B-L	-44/0	-102.1 -102.1	0.02 (1)	J-C	-302/0	0.05 (1)	
C-D	-60/0	-102.1 -102.1	0.11 (1)	H-E	-302/0	0.05 (1)	
D-E	-78/0	-102.1 -102.1	0.11 (1)	K-L	-175/2	0.00 (1)	
E-F	-78/0	-102.1 -102.1	0.11 (1)	M-N	-175/2	0.00 (1)	
F-G	-60/0	-102.1 -102.1	0.02 (1)				
N-F	-44/0	-102.1 -102.1	0.14 (1)				
F-G	0/38	-102.1 -102.1	0.14 (1)				
B-K	0/60	-17.5 -17.5	0.07 (1)				
K-J	0/60	-17.5 -17.5	0.07 (1)				
J-I	0/49	-17.5 -17.5	0.05 (1)				
I-H	0/48	-17.5 -17.5	0.05 (1)				
H-M	0/60	-17.5 -17.5	0.07 (1)				
M-F	0/60	-17.5 -17.5	0.07 (1)				

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 NBC 2010, NBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

NAIL VALUES

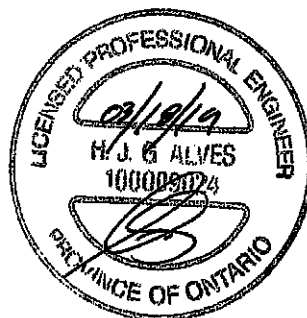
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

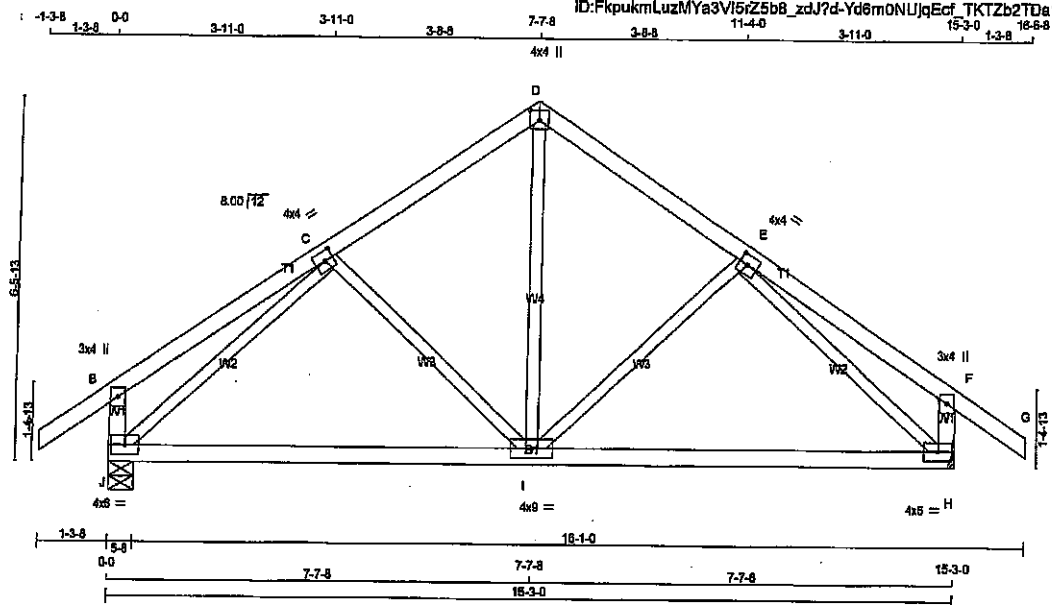
JSI GRIP= 0.27 (F) (INPUT = 0.90)

JSI METAL= 0.15 (E) (INPUT = 1.00)



DRWG NO. TAM **17905385**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T28	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:19:17 2019 Page 1	



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	TMV+p	MT20	3.0	4.0		
C	TMVW+1	MT20	4.0	4.0	2.00	1.75
D	TTW+p	MT20	4.0	4.0	2.25	2.00
E	TMVW+1	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVW+1	MT20	4.0	6.0		
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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
J	1052	0	1052	0	5-8	5-8
H	1052	0	1052	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST LOASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	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. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED HORZ. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	1-D	0 / 477
B-C	0 / 25	-102.1	-102.1	0.24 (1)	10.00	1-E	-227 / 0
C-D	-728 / 0	-102.1	-102.1	0.18 (1)	8.25	C-I	-227 / 0
D-E	-728 / 0	-102.1	-102.1	0.18 (1)	8.25	J-C	-1032 / 0
E-F	0 / 25	-102.1	-102.1	0.24 (1)	10.00	E-H	-1032 / 0
F-G	0 / 39	-102.1	-102.1	0.14 (1)	10.00		
J-B	-250 / 0	0.0	0.0	0.03 (1)	7.51		
H-F	-250 / 0	0.0	0.0	0.03 (1)	7.51		
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 = 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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2010, OBC 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (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=0.46/1.00 (E-H:1), SS=0.16/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL = 0.250 inches

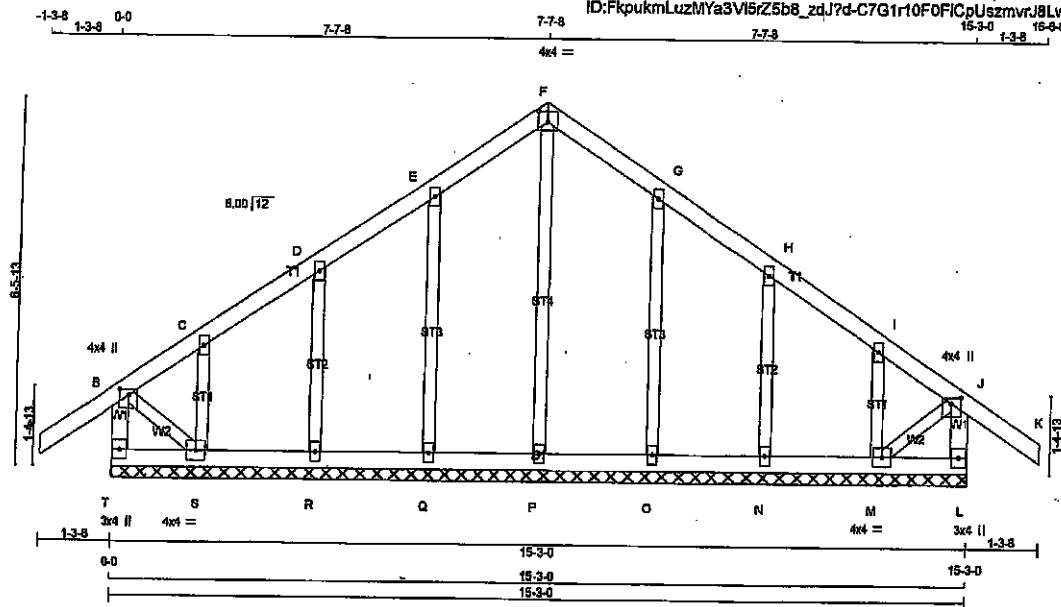
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.80)
JSI METAL= 0.36 (C) (INPUT = 1.00)



DRWG NO. TAM 71905386
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	G28	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:18:38 2018 Page 1	



Scale = 1:37.7

TOTAL WEIGHT = 68 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
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 24-0 OC.			

PLATES (table 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 TMVW+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-t	MT20	4.0	4.0		
N, O, P, Q, R					
N BMV1+w	MT20	2.0	4.0		
S BMVW1-t	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)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
T-B	-304 / 0	0.0	0.0	0.03 (1)	7.81	P-F	-158 / 0
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	Q-E	-228 / 0
B-C	-58 / 0	-102.1	-102.1	0.13 (1)	6.25	R-D	-210 / 0
C-D	-16 / 0	-102.1	-102.1	0.05 (1)	6.25	S-C	-112 / 0
D-E	-15 / 0	-102.1	-102.1	0.06 (1)	6.25	O-G	-228 / 0
E-F	-24 / 0	-102.1	-102.1	0.08 (1)	6.25	N-H	-210 / 0
F-G	-24 / 0	-102.1	-102.1	0.06 (1)	6.25	M-I	-112 / 0
G-H	-15 / 0	-102.1	-102.1	0.06 (1)	6.25	B-S	0 / 28
H-I	-16 / 0	-102.1	-102.1	0.05 (1)	6.25	M-J	0 / 28
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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.01/1.00 (R-S:4), WB=0.11/1.00 (F-F:1), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

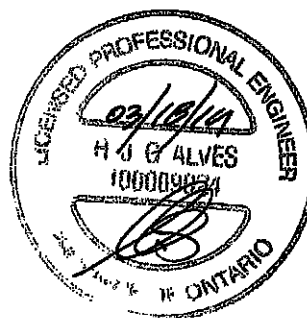
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

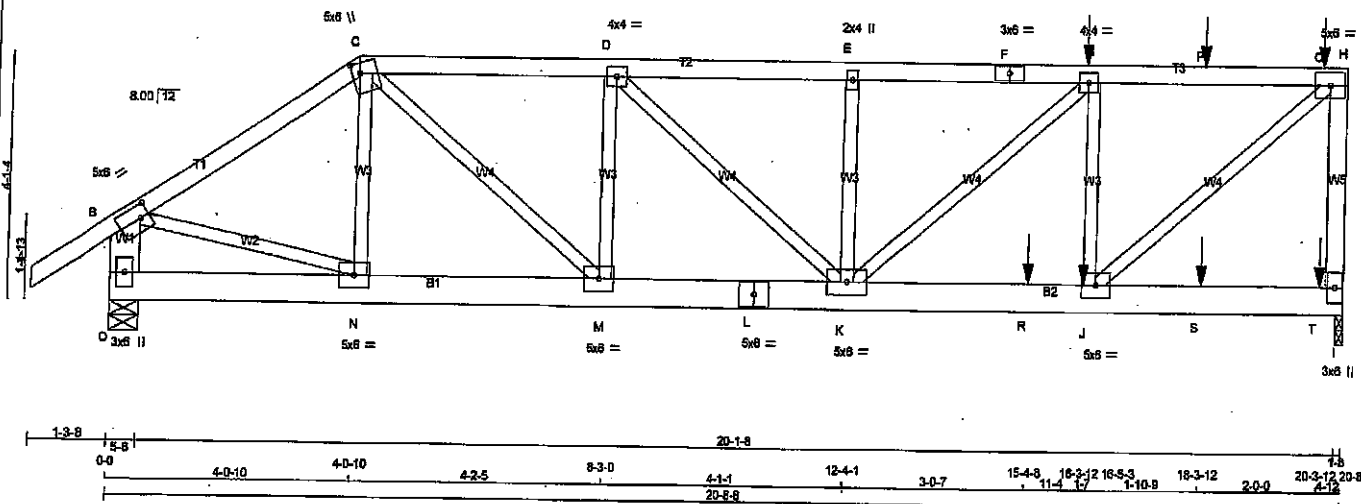
JSI GRIP= 0.21 (J) (INPUT = 0.90)
JSI METAL= 0.12 (E) (INPUT = 1.00)



DRWG NO. TAM 71905387
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T29	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:FkpukmluzMya3V15rZ5b8_zdJ7d-1qg9EJVLbXVvdf6JZimnaoVE8AYZK1OTJggczZJd
 1-3-8 0-0 4-0-10 4-0-10 4-2-5 8-3-0 4-1-1 12-4-1 3-11-11 15-3-12 18-3-12 2-9-0 20-3-12 20-8-8
 1-3-8 0-0 4-0-10 4-0-10 4-2-5 8-3-0 4-1-1 12-4-1 3-0-7 15-4-8 18-3-12 2-9-0 20-3-12 20-8-8
 Scale = 1:35.8



LUMBER	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES				
CHORDS				
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
I - L	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	TOP
H-I	12	TOP
O-B	12	TOP
BOTTOM CHORDS : (0.122'X3') SPIRAL NAILS		
O-L	12	TOP
L-I	12	TOP
WEBS : (0.122'X3') SPIRAL NAILS		
2x3	6	TOP

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF 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 TMWW-t	MT20	5.0	6.0	2.50	1.75
C TTWW-m	MT20	5.0	6.0	2.00	1.50
D TMWW-t	MT20	4.0	4.0		
E TMWW-w	MT20	2.0	4.0		
F TS-t	MT20	3.0	6.0		
G TMWW-t	MT20	4.0	4.0		
H TMWW-t	MT20	5.0	6.0		
I BMV1+p	MT20	3.0	6.0		
J, M, N					
J BMWW-t	MT20	5.0	6.0		
K BMWWV-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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
I	2716	0	0	1-8
O	1793	0	0	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	1905	1335 / 0	0 / 0	0 / 0	0 / 0	570 / 0	0 / 0
O	1257	889 / 0	0 / 0	0 / 0	0 / 0	368 / 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO						FR-TO			
A-B	0 / 39	-102.1	-102.1	0.08 (1)	10.00	N-C	-265 / 0	0.03 (1)	
B-C	-1876 / 0	-102.1	-102.1	0.18 (1)	6.16	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 / 1392	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	0 / 768	0.09 (1)	
Q-H	-2707 / 0	-102.1	-102.1	0.24 (1)	5.29	K-E	358 / 1689	0.09 (1)	
I-H	-2717 / 0	0.0	0.0	0.34 (1)	6.93				
O-B	-1765 / 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 / 1591	-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				

FACTORED CONCENTRATED LOADS (LBS)

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

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 8, NBCC 2010, NBCC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.69')
 CALCULATED VERT. DEFL.(LL) = L/999 (0.08')
 ALLOWABLE DEFL.(TL) = L/360 (0.69')
 CALCULATED VERT. DEFL.(TL) = L/999 (0.10')

CSI: TO=0.34/1.00 (H-I), BC=0.48/1.00 (J-K), WB=0.44/1.00 (H-J), SS=0.37/1.00 (J-K)

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.

JSI GRIP= 0.88 (H) (INPUT = 0.90)
 JSI METAL= 0.38 (H) (INPUT = 1.00)

DRWG NO. TAM 11905308
 STRUCTURAL
 COMPONENT ONLY

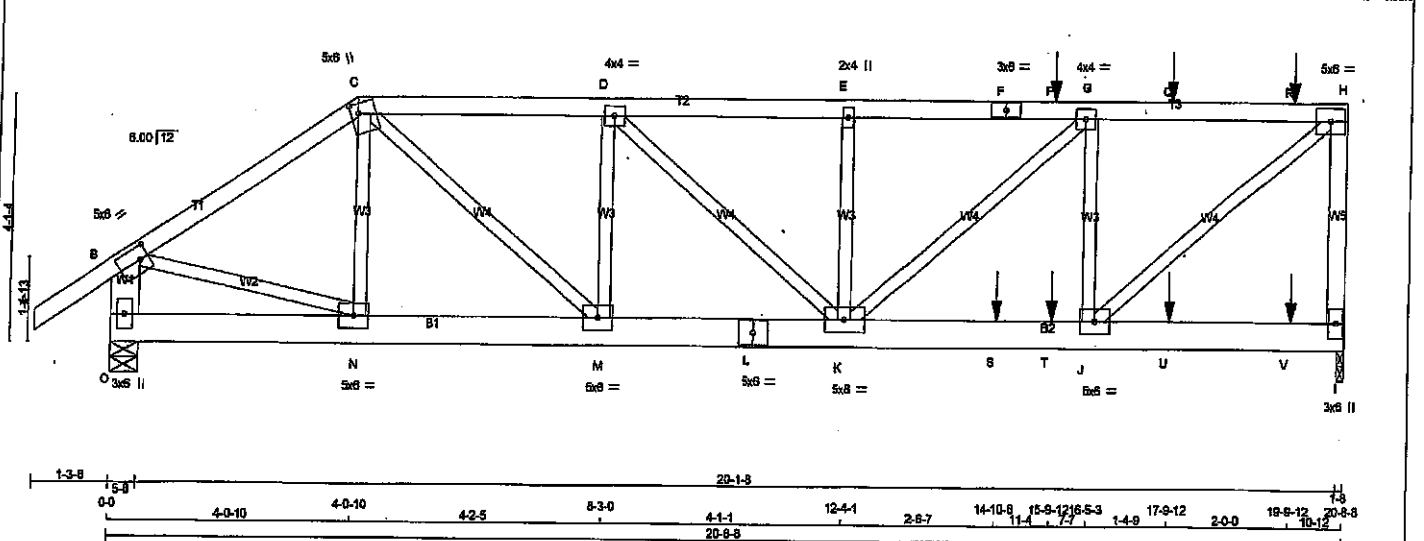
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T29Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32



TOTAL WEIGHT = 2 X 100 = 199 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
I - H	2x4	DRY	No.2
O - B	2x6	DRY	No.2
O - L	2x6	DRY	No.2
L - I	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
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	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	TOP

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF 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	TMW-4	MT20	5.0	6.0	2.50 1.75
C	TTW-4	MT20	5.0	6.0	2.00 1.50
D	TMW-4	MT20	4.0	4.0	
E	TMW-4	MT20	2.0	4.0	
F	TS-4	MT20	3.0	6.0	
G	TMW-4	MT20	4.0	4.0	
H	TMW-4	MT20	5.0	6.0	
I	BMV-1+p	MT20	3.0	6.0	
J, M, N					
J	BMW-4	MT20	5.0	6.0	
K	BMW-4	MT20	5.0	6.0	
L	BS-1	MT20	5.0	6.0	
O	BMV-1+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	UPLIFT
I	2639	0	2639	0	0
O	1838	0	1838	0	0

UNFACTORED REACTIONS					
	1ST LCASE	MAX. MIN. COMPONENT REACTIONS			
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
I	1851	1298 / 0	0 / 0	0 / 0	554 / 0
O	1288	912 / 0	0 / 0	0 / 0	376 / 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.08 (1)	10.00	N-C	-289 / 0	0.03 (1)
B-C	-1937 / 0	-102.1 -102.1	0.18 (1)	6.08	B-N	0 / 1654	0.20 (1)
C-D	-2684 / 0	-102.1 -102.1	0.17 (1)	5.40	J-H	0 / 3604	0.45 (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	0.25 (1)	4.88	J-G	-1262 / 0	0.16 (1)
F-P	-3278 / 0	-102.1 -102.1	0.25 (1)	4.88	M-D	-1020 / 0	0.13 (1)
P-G	-3278 / 0	-102.1 -102.1	0.25 (1)	4.88	K-G	0 / 759	0.09 (1)
G-Q	-2717 / 0	-102.1 -102.1	0.24 (1)	5.27	D-K	0 / 803	0.10 (1)
Q-R	-2717 / 0	-102.1 -102.1	0.24 (1)	5.27	K-E	368 / 1654	0.10 (1)
R-H	-2717 / 0	-102.1 -102.1	0.24 (1)	5.27			
I-H	-2684 / 0	0.0 0.0	0.33 (1)	6.98			
O-B	-1811 / 0	0.0 0.0	0.05 (1)	7.81			
O-N	0 / 0	-17.5 -17.5	0.02 (4)	10.00			
N-M	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-U	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)					
JT	LOC.	LC1	MAX-	MAX+	FACE DIR.
P	15-9-12	-123	-123	---	BACK VERT
Q	17-9-12	-123	-123	---	BACK VERT
R	19-9-12	-128	-128	---	BACK VERT
S	14-10-8	-1410	-1410	---	BACK VERT
T	15-9-12	-25	-25	---	BACK VERT
U	17-9-12	-25	-25	---	BACK VERT
V	19-9-12	-28	-28	---	BACK VERT

DESIGN CRITERIA

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

(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) = $L/999$ (0.07")
ALLOWABLE DEFL. (TL) = $L/360$ (0.69")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.11")

CSI: TC=0.33/1.00 (I-K-1), BC=0.56/1.00 (J-K-1), WS=0.45/1.00 (I-K-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(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

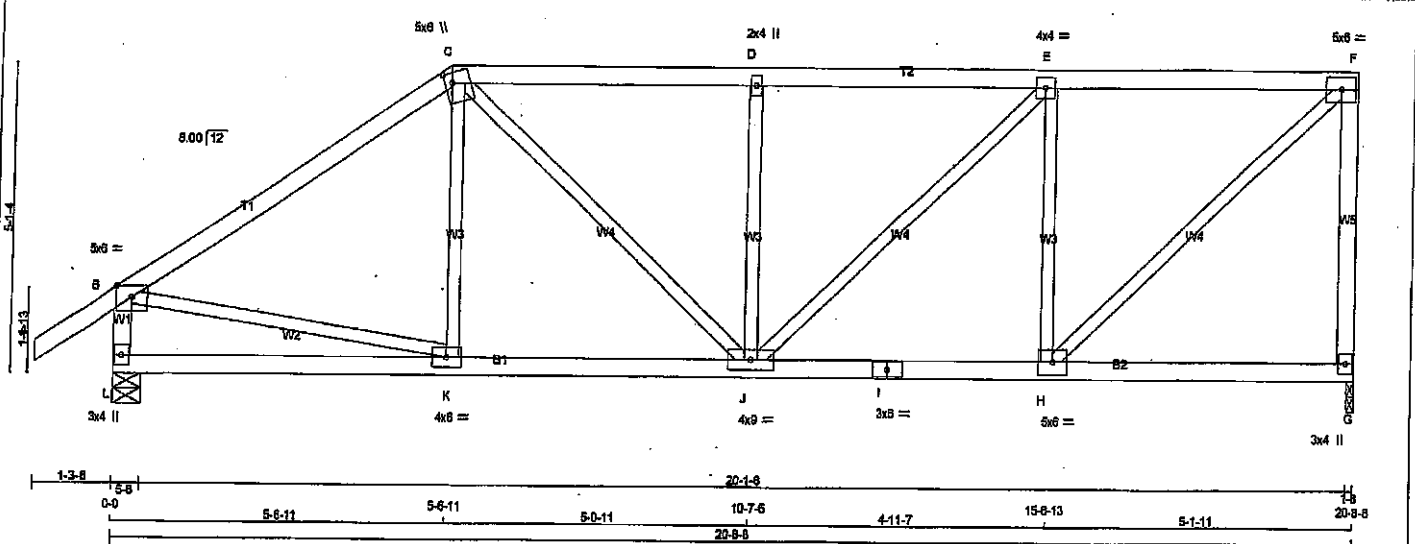
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.86 (H) (INPUT = 0.90)
JSI METAL = 0.38 (H) (INPUT = 1.00)

DRWG NO. TAM 7705389
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:19:21 2018 Page 1	

ID: FkpukmLuzMYa3Vl5rZ5b8_zdJ7d-RPMHskXDuS75T4eEoR7PNQCS8RElwhJ4RYUHzZjDq
10-7-8 4-11-7 15-8-13 5-1-11 20-8-8
Scale = 1:35.3



TOTAL WEIGHT = 2 X 88 = 176 lb

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

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	1238	0		1238	0	0	1-8		1-8
L	1379	0		1379	0	0	5-8		5-8

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	870	881 / 0	0 / 0	0 / 0	0 / 0	289 / 0	0 / 0
L	967	881 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC1 MAX
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 39	-102.1	-102.1 0.14 (1)	10.00	K-C	-94 / 58	0.04 (1)
B-C	-1279 / 0	-102.1	-102.1 0.63 (1)	4.80	B-K	0 / 1082	0.24 (1)
C-D	-1385 / 0	-102.1	-102.1 0.38 (1)	5.05	H-F	0 / 1447	0.33 (1)
D-E	-1385 / 0	-102.1	-102.1 0.40 (1)	5.03	C-J	0 / 447	0.10 (1)
E-F	-1058 / 0	-102.1	-102.1 0.38 (1)	5.80	H-E	-887 / 0	0.34 (1)
G-F	-1201 / 0	0.0	0.0 0.53 (1)	7.29	J-D	-552 / 0	0.21 (1)
L-B	-1338 / 0	0.0	0.0 0.14 (1)	7.00	J-E	0 / 459	0.10 (1)
L-K	0 / 0	-17.5	-17.5 0.13 (4)	10.00			
K-J	0 / 1061	-17.5	-17.5 0.24 (1)	10.00			
J-I	0 / 1058	-17.5	-17.5 0.23 (1)	10.00			
I-H	0 / 1056	-17.5	-17.5 0.23 (1)	10.00			
H-G	0 / 0	-17.5	-17.5 0.11 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/380 (0.89")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/380 (0.89")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.83/1.00 (B-C:1), BC=0.24/1.00 (J-K:1),
WB=0.34/1.00 (E-H:1), SS=0.24/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

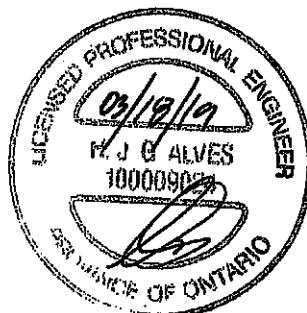
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

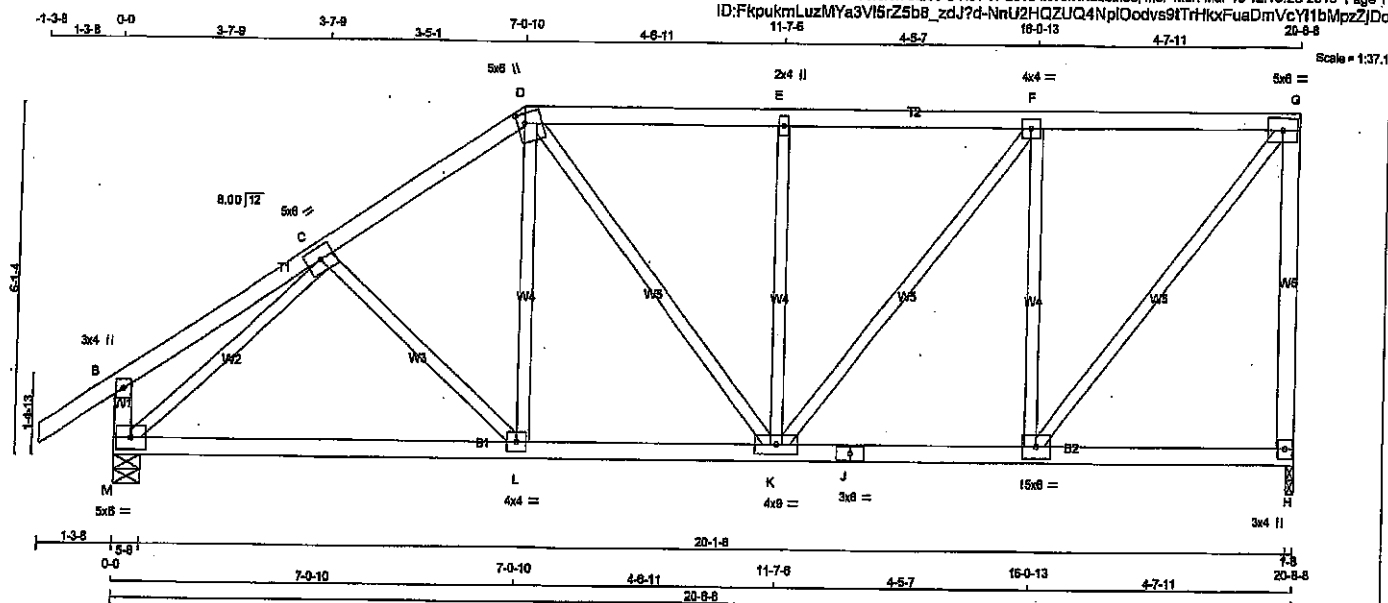
JSI GRIP= 0.79 (B) (INPUT = 0.90)
JSI METAL= 0.95 (I) (INPUT = 1.00)



DRWG NO. TAM 71905390
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T31	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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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		
M - B	2x4	DRY	No.2	SPF		
M - 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+m	MT20	5.0	6.0	2.00 1.50
E	TMVW-w	MT20	2.0	4.0	
F	TMVW-t	MT20	4.0	4.0	
G	TMVW-t	MT20	5.0	6.0	
H	BMV1+p	MT20	3.0	4.0	
I	BMVW-t	MT20	5.0	6.0	
J	BS-t	MT20	3.0	6.0	
K	BMVW-t	MT20	4.0	9.0	
L	BMVW-t	MT20	4.0	4.0	
M	BMVW-t	MT20	5.0	6.0	

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
H	1238	0	1238	0
M	1379	0	1379	0

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	COMBINED						
H	870	801 / 0	0 / 0	0 / 0	0 / 0	269 / 0	0 / 0
M	957	881 / 0	0 / 0	0 / 0	0 / 0	269 / 0	0 / 0

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

BRACING

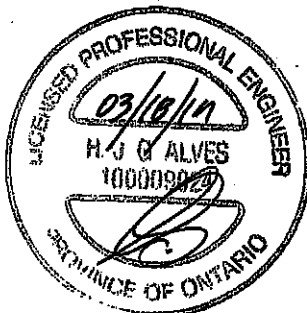
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.53 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-B	0 / 39												
B-C	0 / 22												
C-D	-1231 / 0												
D-E	-1121 / 0												
E-F	-1121 / 0												
F-G	-809 / 0												
G-H	-1208 / 0												
H-I	-280 / 0												
I-J	0 / 1075												
J-K	0 / 1008												
K-L	0 / 809												
L-M	0 / 809												
M-N	0 / 0												



DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 088-14
- 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 (0.89")
CALCULATED VERT. DEFL.(LL) = L/998 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.89")
CALCULATED VERT. DEFL.(TL) = L/998 (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), SSI=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 1656

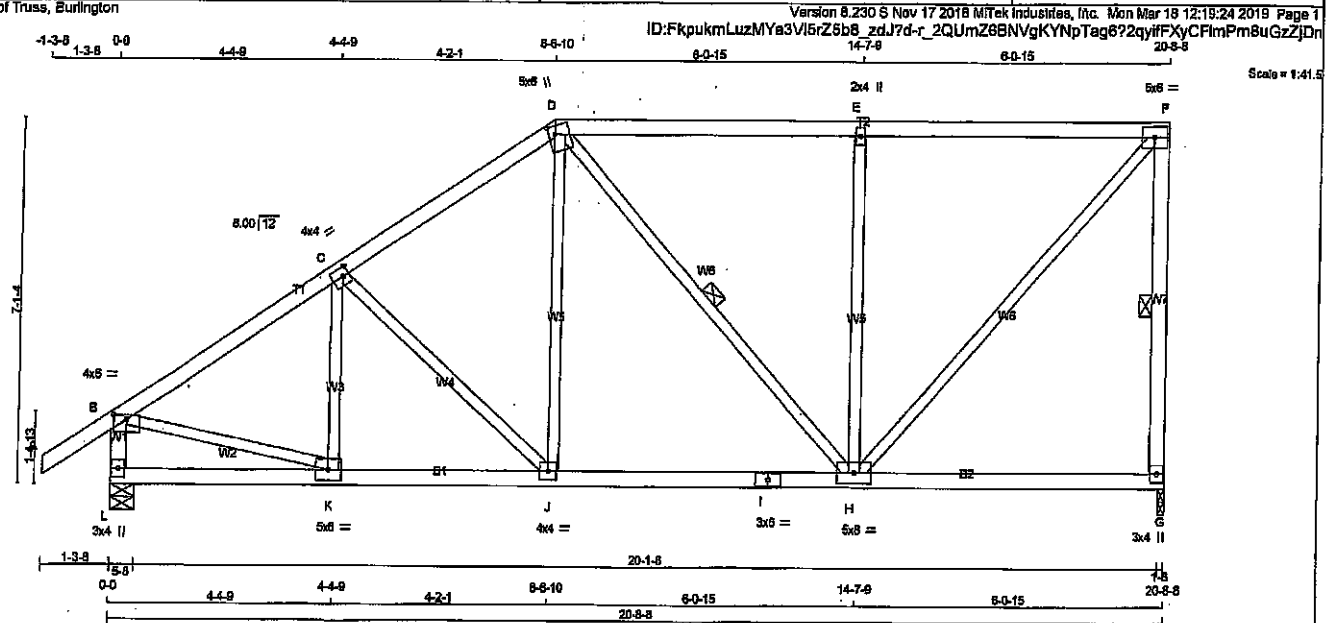
PLATE PLACEMENT TOL = 0.250 inches

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.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:15:24 2019 Page 1	



TOTAL WEIGHT = 95 lb

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

DRY: SEASONED LUMBER.

PLATES (Table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVVV-p	MT20	4.0	6.0	1.00	3.00
C	TMVVV-t	MT20	4.0	4.0	2.00	1.50
D	TMVVV+m	MT20	5.0	6.0	2.00	1.50
E	TMVVV-w	MT20	2.0	4.0		
F	TMVVV-l	MT20	5.0	6.0		
G	BMVVV-p	MT20	3.0	4.0		
H	BMVVVV-l	MT20	5.0	8.0		
I	BS-l	MT20	3.0	6.0		
J	BMVVV-t	MT20	4.0	4.0		
K	BMVVV-l	MT20	5.0	6.0		
L	BMVVV-p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
G	1238	0	0	1238	0	0	0	1-8	1-8
L	1379	0	0	1379	0	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	870	801 / 0	0 / 0	0 / 0	0 / 0	289 / 0	0 / 0
L	987	881 / 0	0 / 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 = 5.19 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	K-C	-202 / 8	0.06 (1)	
B-C	-1329 / 0	-102.1 -102.1	0.35 (1)	C-J	-291 / 0	0.17 (1)	
C-D	-1132 / 0	-102.1 -102.1	0.33 (1)	J-D	0 / 288	0.06 (1)	
D-E	-880 / 0	-102.1 -102.1	0.88 (1)	D-H	-91 / 0	0.05 (1)	
E-F	-880 / 0	-102.1 -102.1	0.88 (1)	H-E	-789 / 0	0.67 (1)	
G-F	-1195 / 0	0.0 0.0	0.27 (1)	H-F	0 / 1287	0.29 (1)	
L-B	-1344 / 0	0.0 0.0	0.14 (1)	B-K	0 / 1163	0.28 (1)	
L-K	0 / 0	-17.5 -17.5	0.07 (4)				
K-J	0 / 1129	-17.5 -17.5	0.23 (1)				
J-I	0 / 920	-17.5 -17.5	0.23 (4)				
I-H	0 / 920	-17.5 -17.5	0.23 (4)				
H-G	0 / 0	-17.5 -17.5	0.16 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 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
- TPC 2011, TPC 2014

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.69")
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

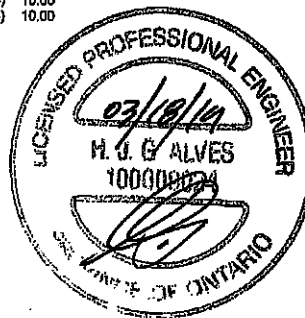
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

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)



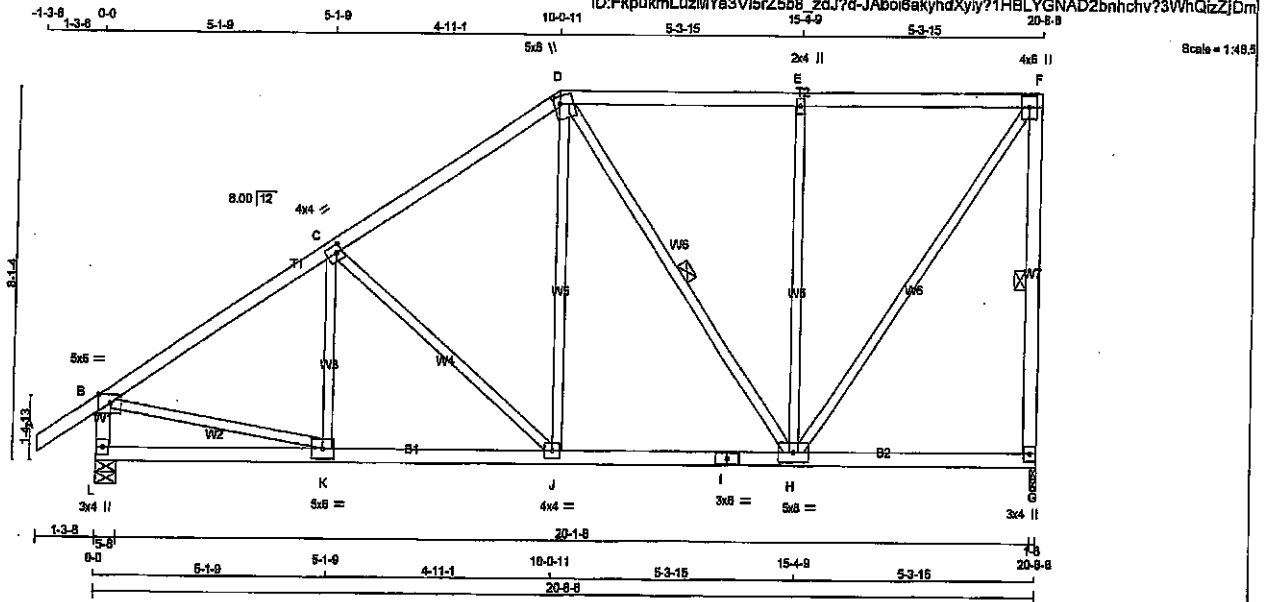
DRWG NO. TAM **77905392**
STRUCTURAL
CONCRETEMENT ONLY

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

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15r25b8_zdJ7d-JAboi8akyhdXyiy?1HBLYGAD2bnhchv?3WWhQizZjDm



TOTAL WEIGHT = 101 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - F	2x4	DRY	No.2	SPF		
G - F	2x4	DRY	No.2	SPF		
L - B	2x4	DRY	No.2	SPF		
L - I	2x4	DRY	No.2	SPF		
L - G	2x4	DRY	No.2	SPF		
ALL WEBS	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	BMVW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	8.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED
G	870
L	967

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
(LBS)	(PLF)	LC1	(LBS)	(LBS)
FR-TO	FROM	TO	FR-TO	FROM
A-B	0/39	-102.1	K-C	-143/40
B-C	-1335/0	-102.1	C-J	-426/0
C-D	-1023/0	-102.1	J-D	0/371
D-E	-880/0	-102.1	D-H	-258/0
E-F	-881/0	-102.1	H-E	-673/0
G-F	-1200/0	0.0	H-F	0/1202
L-B	-1340/0	0.0	B-K	0/1164
L-K	0/0	-17.5		
K-J	0/1139	-17.5		
J-I	0/828	-17.5		
I-H	0/828	-17.5		
H-G	0/0	-17.5		

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

(55 % OF 37.6 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 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=0.50/1.00 (E-F:1), BC=0.23/1.00 (J-K:1), WB=0.85/1.00 (E-H:1), SSI=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

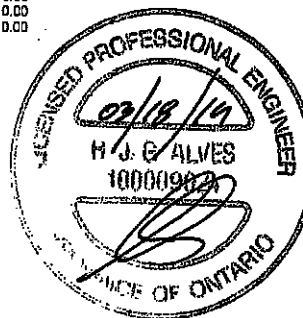
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (B) (INPUT = 0.90)
JSI METAL= 0.31 (F) (INPUT = 1.00)

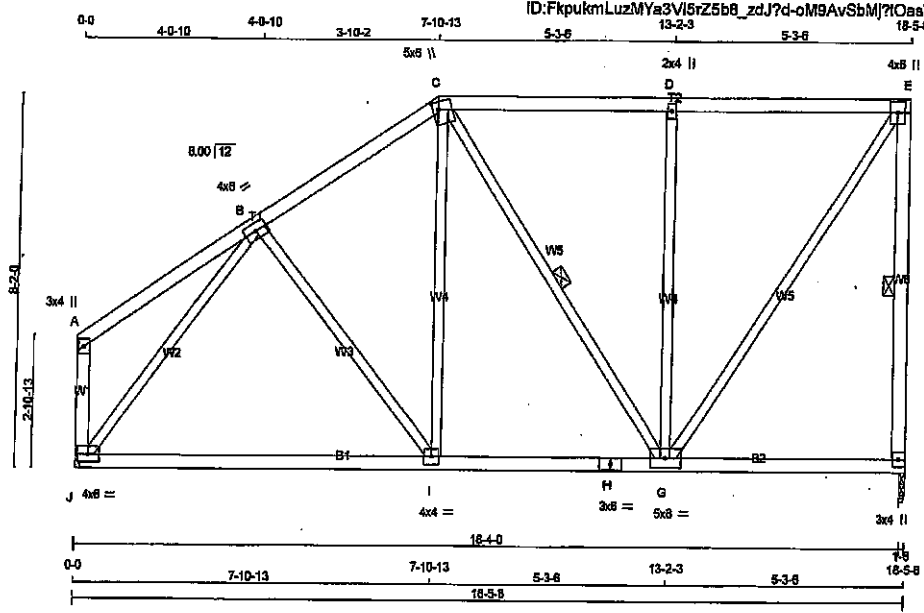


DRWG NO. TAM 719053A3
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T34	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/48.6

TOTAL WEIGHT = 93 lb

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

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TMV+p MT20	3.0	4.0		
B TMVW+t MT20	4.0	6.0		
C TTVW+m MT20	5.0	6.0	2.00	1.50
D TMVW+w MT20	2.0	4.0		
E TMV+p MT20	4.0	6.0		
F BMV1+p MT20	3.0	4.0		
G BMVWV+t MT20	5.0	8.0		
H BS-t MT20	3.0	6.0		
I BMVW-t MT20	4.0	4.0		
J BMVW1-t MT20	4.0	6.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
F	1104	0	1104	0	1-8	1-8
J	1104	0	1104	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	778	538 / 0	0 / 0	0 / 0	0 / 0	240 / 0	0 / 0
J	778	538 / 0	0 / 0	0 / 0	0 / 0	240 / 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 = 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.

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.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO
A-B	0 / 26	-102.1 -102.1 0.26 (1)	10.00	B-I	-51 / 33	0.04 (1)
B-C	-803 / 0	-102.1 -102.1 0.27 (1)	8.25	I-C	0 / 181	0.05 (4)
C-D	-578 / 0	-102.1 -102.1 0.49 (1)	8.25	C-G	-126 / 0	0.08 (1)
D-E	-578 / 0	-102.1 -102.1 0.49 (1)	8.25	G-D	-667 / 0	0.86 (1)
E-F	-1062 / 0	0.0 0.0 0.32 (1)	6.12	G-E	0 / 1032	0.23 (1)
J-A	-155 / 0	0.0 0.0 0.02 (1)	7.81	J-B	-1118 / 0	0.84 (1)
J-I	0 / 676	-17.5 -17.5 0.28 (4)	10.00			
I-H	0 / 848	-17.5 -17.5 0.28 (4)	10.00			
H-G	0 / 848	-17.5 -17.5 0.28 (4)	10.00			
G-F	0 / 0	-17.5 -17.5 0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.0 PSF

TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OSC 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 (0.62")

CALCULATED VERT. DEFL. (LL) = L/998 (0.03")

ALLOWABLE DEFL. (TL) = L/360 (0.62")

CALCULATED VERT. DEFL. (TL) = L/998 (0.12")

CSI: TC=0.49/1.00 (D-E:1), EC=0.28/1.00 (G-I:4), WB=0.89/1.00 (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

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

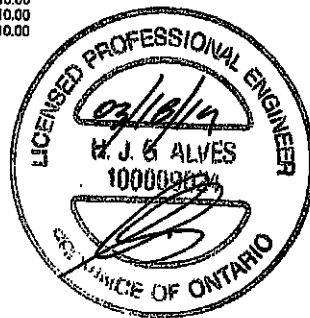
MT20 618 354 1887 768 1987 1859

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)

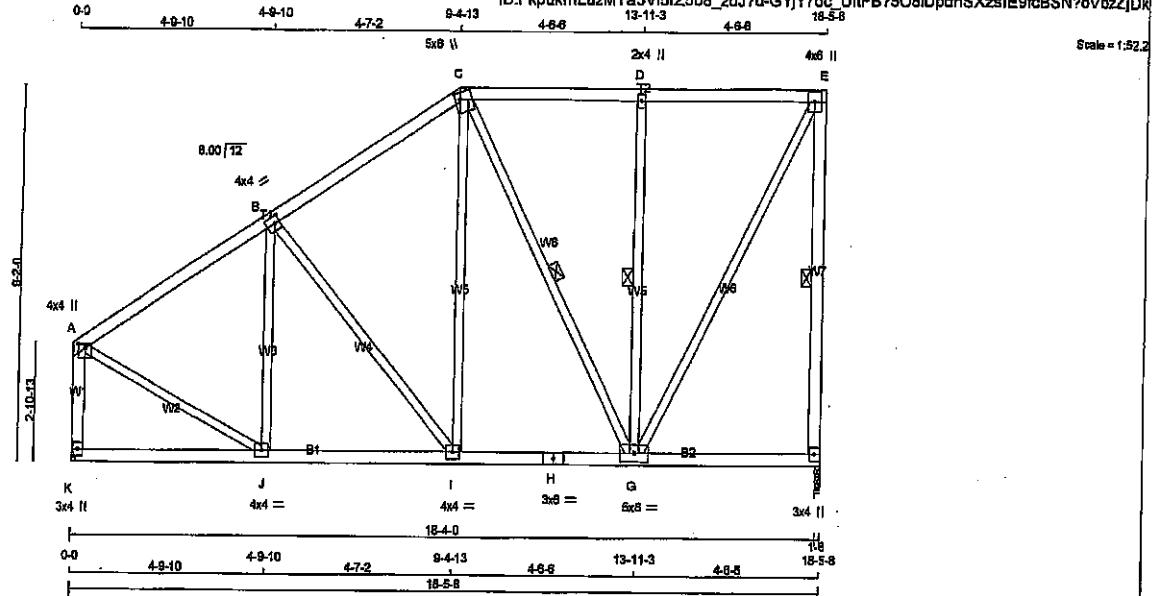


DRWG NO. TAM 1105394
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T35	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:52.2

TOTAL WEIGHT = 2 X 101 = 202 lb

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 is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25 2.00
B	TMVW+1	MT20	4.0	4.0	2.00 1.50
C	TTVW+m	MT20	5.0	8.0	2.00 1.50
D	TMVW+w	MT20	2.0	4.0	
E	TMVW+p	MT20	4.0	8.0	
F	BMV1+p	MT20	3.0	4.0	
G	BMVWV+1	MT20	5.0	8.0	
H	BS+1	MT20	3.0	6.0	
I	BMVW+1	MT20	4.0	4.0	
J	BMVW+1	MT20	4.0	4.0	
K	BMV1+p	MT20	3.0	4.0	

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
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 LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	778	536 / 0	0 / 0	0 / 0	0 / 0	240 / 0	0 / 0
K	778	536 / 0	0 / 0	0 / 0	0 / 0	240 / 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 = 6.24 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 CSI (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO		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)	8.25	B-1	-250 / 0	0.27 (1)
C-D	-459 / 0	-102.1	-102.1	0.26 (1)	8.25	I-C	0 / 269	0.06 (1)
D-E	-459 / 0	-102.1	-102.1	0.28 (1)	8.25	C-G	-263 / 0	0.18 (1)
E-F	-1070 / 0	0.0	0.0	0.42 (1)	8.10	G-D	-570 / 0	0.31 (1)
K-A	-1070 / 0	0.0	0.0	0.18 (1)	7.62	G-E	0 / 1002	0.23 (1)
					A-J	0 / 831	0.19 (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 = 24.0 IN. C/C

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

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

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

(55 % OF 37.8 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/899 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/899 (0.05")

CSI: TC=0.42/1.00 (E-F:1), BC=0.17/1.00 (J-I: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

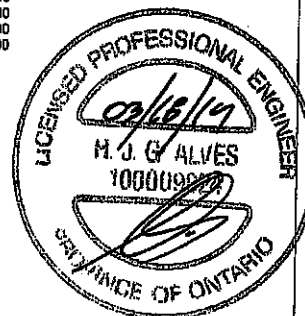
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1897 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

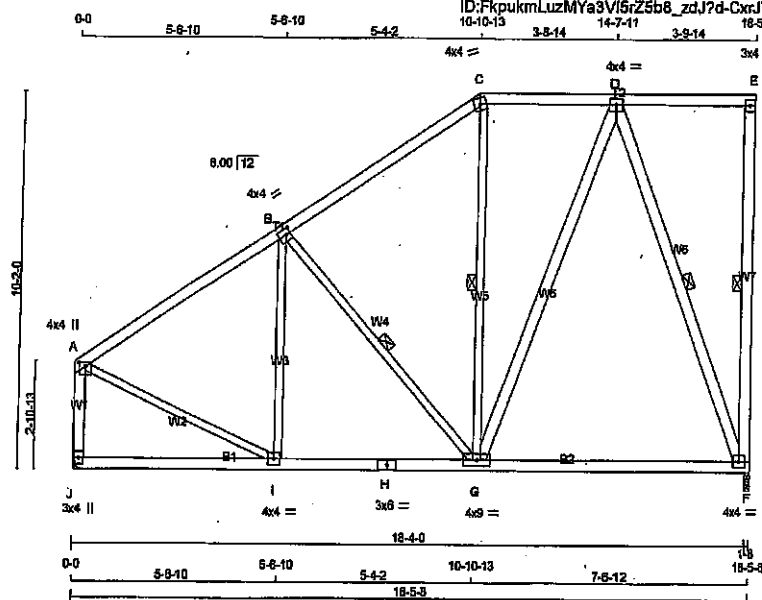


DRWG NO. TAM 11905395
STRUCTURAL
CONSTRUCTION ONLY

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

Tamarack Roof Truss, Burlington

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Scale = 1/57.7

TOTAL WEIGHT = 3 X 108 = 317 lb

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

DRY: SEASONED LUMBER.

PLATES (table 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-t	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW-t	MT20	4.0	4.0		
G	BMVW-t	MT20	4.0	9.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMV-t+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
F	1104	0	1104	0
J	1104	0	1104	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW
F	776	538 / 0
J	776	538 / 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 = 10.09 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	FACTORED	FACTORED	MAX	MAX	MEMB.	MAX. FACTORED	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	UNBRAC	MEMB.	FORCE	MAX
FR-TO	(LBS)	FROM	TO	CSI (LC)	LENGTH	FR-TO	(LBS)	CSI (LC)
A-B	-982 / 0	-102.1	-102.1	0.41 (1)	6.03	I-B	-253 / 3	0.16 (1)
B-C	-545 / 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	0.16 (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. 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 RCBC 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 (0.82")
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-H: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.

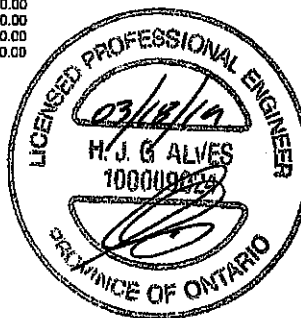
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	618	354	1687

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

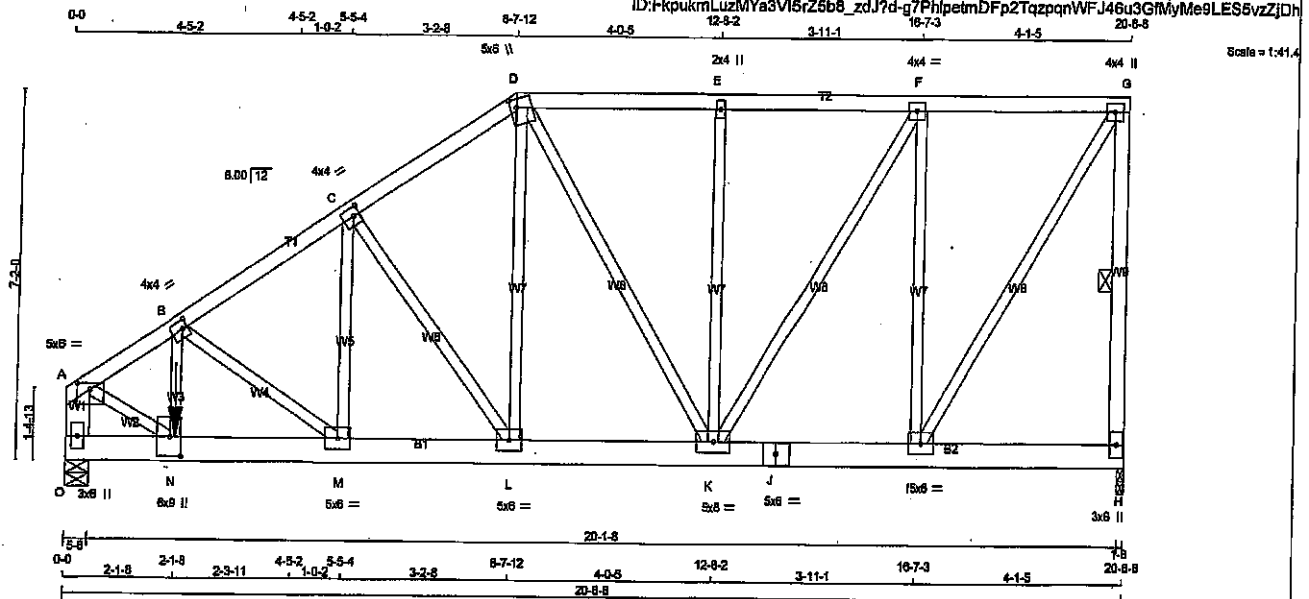
JSI GRIP= 0.88 (1) (INPUT = 0.90)
JSI METAL= 0.28 (1) (INPUT = 1.00)



DRWG NO. TAM 71905396
STRUCTURAL
COMPONENT 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	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	
O - 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 - D 1	12	TOP
D - G 1	12	TOP
H - G 1	12	TOP
O - A 1	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 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	6.0	1.50	3.00
B TMWW-l	MT20	4.0	4.0	2.00	1.25
C TMWW-l	MT20	4.0	4.0	2.00	1.50
D TTWW+m	MT20	5.0	6.0	2.00	1.50
E TMWW-w	MT20	2.0	4.0		
F TMWW-t	MT20	4.0	4.0		
G TMWW-p	MT20	4.0	4.0		
H BMV-l+p	MT20	3.0	6.0		
I, L, M					
I BMWW-l	MT20	5.0	6.0		
J BS-l	MT20	5.0	6.0		
K BMWW-l	MT20	5.0	6.0		
N BMWW-t	MT20	6.0	9.0	4.50	2.75
O BMV-l+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 IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
H	1618	0	1618	0	1-8	1-8
O	4544	0	4544	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	1135	768 / 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 LC1 MAX (PLF) CSI (LC)			MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	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	-1918 / 0	-102.1	-102.1	0.10 (1)	8.21	A-N	0 / 4131	0.51 (1)	
D-E	-1364 / 0	-102.1	-102.1	0.12 (1)	6.25	I-G	0 / 1651	0.20 (1)	
E-F	-1364 / 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	0.25 (1)	
O-N	0 / 0	-17.5	-17.5	0.13 (1)	10.00	M-C	0 / 1195	0.15 (1)	
N-M	0 / 3740	-17.5	-17.5	0.38 (1)	10.00	C-L	-1335 / 0	0.55 (1)	
M-L	0 / 2354	-17.5	-17.5	0.18 (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	DIR.
N	2-1-8	-3684	-3684		BACK	VERT

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OSC 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 28.0 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), SI=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.

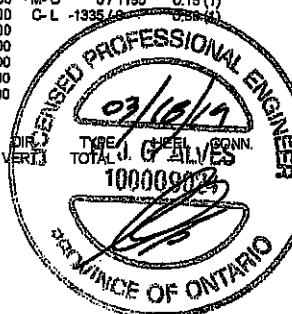
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

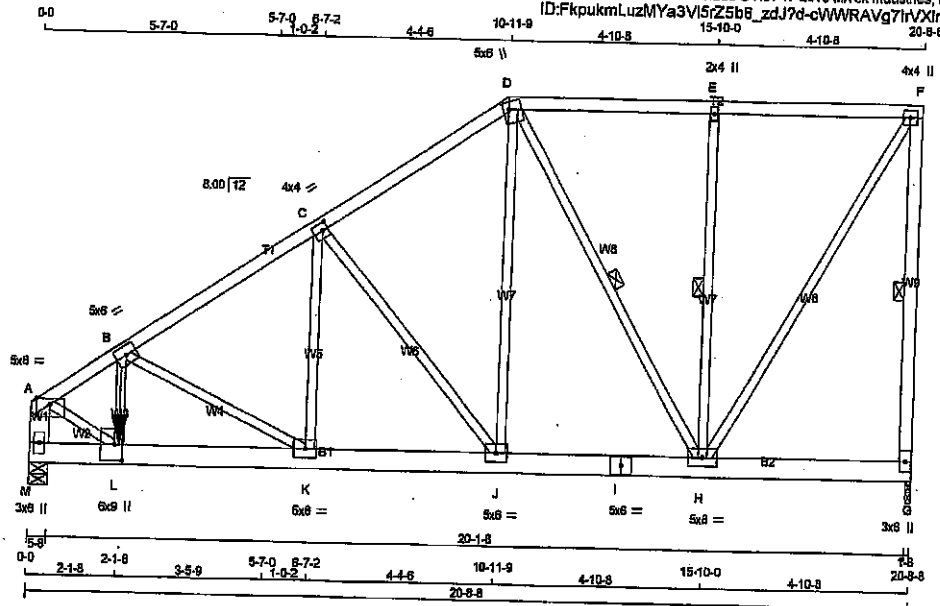
PLATE ROTATION TOL = 5.0 Deg.

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



DRWG NO. TAM 71905397
STRUCTURAL
COMMENT ONLY

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



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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 4	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. 3-6 INCH NAILS.

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

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge	
B	TMVW-L	MT20	5.0	6.0		
C	TMVW-L	MT20	4.0	4.0	2.00	1.50
D	TTVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TMVW-p	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMVWW-L	MT20	5.0	8.0		
I	BS-L	MT20	5.0	6.0		
J	BMVW-L	MT20	5.0	6.0		
K	BMVW-L	MT20	5.0	6.0		
L	BMVW-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	REQD BRG
JT	VERT	DOWN	UP/LIFT	
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 SOIL
G	1178	818 / 0 0 / 0 0 / 0 360 / 0 0 / 0
M	3562	2496 / 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	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	-5060 / 0	-102.1 -102.1 0.12 (1)	L-B	0 / 2074 0.28 (1)
B-C	-2888 / 0	-102.1 -102.1 0.21 (1)	J-D	0 / 1224 0.15 (1)
C-D	-1552 / 0	-102.1 -102.1 0.18 (1)	D-H	-852 / 0 0.28 (1)
D-E	-869 / 0	-102.1 -102.1 0.22 (1)	H-E	-614 / 0 0.15 (1)
E-F	-854 / 0	-102.1 -102.1 0.22 (1)	H-F	0 / 1680 0.21 (1)
G-F	-1839 / 0	0.0 0.0 0.28 (1)	A-L	0 / 4662 0.58 (1)
M-A	-4679 / 0	0.0 0.0 0.17 (1)	K-C	-2256 / 0 0.49 (1)
M-L	0 / 0	-17.5 -17.5 0.14 (1)	K-C	0 / 1271 0.16 (1)
L-K	0 / 4221	-17.5 -17.5 0.41 (1)	C-J	-1520 / 0 0.70 (1)
K-J	0 / 2236	-17.5 -17.5 0.17 (1)		
J-I	0 / 1261	-17.5 -17.5 0.10 (1)		
I-H	0 / 1261	-17.5 -17.5 0.10 (1)		
H-G	0 / 0	-17.5 -17.5 0.03 (4)		

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX-	MAX+	FACE
L	2-1-8	-4277	-4277			FRONT

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 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.69")
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), WS=0.70/1.00 (C-L:1), SSI=0.13/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

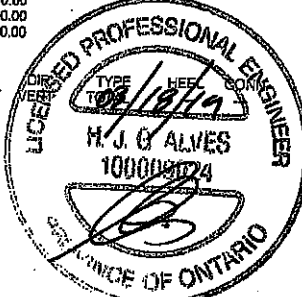
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1967 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.87 (F) (INPUT = 0.90)
JSI METAL=0.63 (L) (INPUT = 1.00)



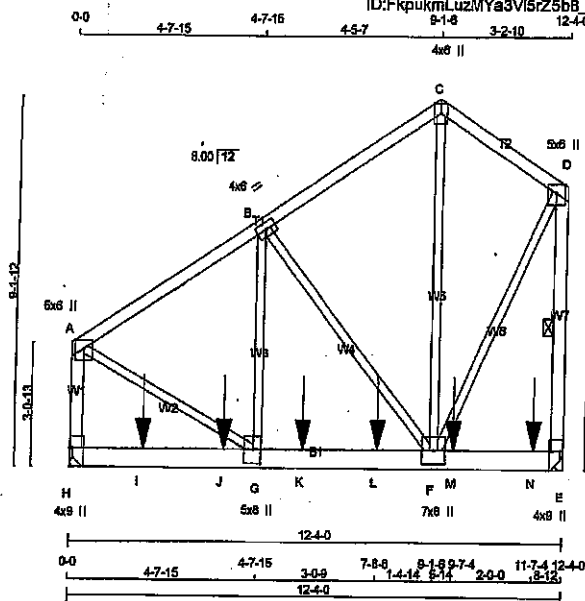
DRWG NO. TAM 7705398
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T39	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:53.0



LUMBER	N.L.G.A. RULES	CHORDS	SIZE	DRY	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	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 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	TMWV+p	MT20	5.0	8.0	Edge	
B	TMWV-l	MT20	4.0	8.0		
C	TTW+p	MT20	4.0	8.0	Edge	
D	TMWV+p	MT20	5.0	8.0	Edge	
E	BMV1+l	MT20	4.0	9.0	Edge	0.50
F	BMWVW+l	MT20	7.0	8.0		
G	BMWVW-l	MT20	5.0	8.0	4.25	2.25
H	BMV1+l	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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
H	3702	0	0	MECHANICAL
E	4295	0	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	PERM. LIVE	WIND	DEAD	SOIL
H	COMBINED	SNOW	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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX	MAX. UNBRACED LENGTH (FT)	FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
A-B	-2757 / 0	-102.1	-102.1	0.23 (1)	5.27	G-B	0 / 1578	0.20 (1)	
B-C	-1900 / 0	-102.1	-102.1	0.19 (1)	6.25	B-F	-1790 / 0	0.82 (1)	
C-D	-1470 / 0	-102.1	-102.1	0.11 (1)	6.25	F-C	0 / 1289	0.35 (1)	
H-A	-3058 / 0	0.0	0.0	0.25 (1)	5.81	A-G	0 / 2880	0.33 (1)	
E-D	-3488 / 0	0.0	0.0	0.40 (1)	5.01	F-D	0 / 2750	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-K	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				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TOTAL
I	1-8-12	-1088	-1088	—	FRONT	VERT	TOTAL
J	3-9-12	-1088	-1088	—	FRONT	VERT	TOTAL
K	5-9-12	-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

TOTAL WEIGHT = 2 X 78 = 152 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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/960 (0.41")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/960 (0.41")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CS1: TC=0.40/1.00 (D-E:1), BC=0.59/1.00 (F-G:1),
WB=0.92/1.00 (8-F:1), SSI=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

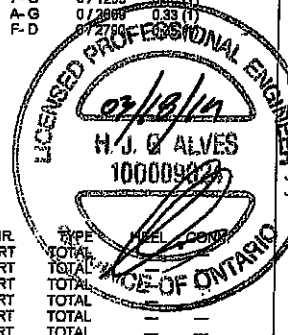
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
818 354 1687 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)
JSI METAL= 0.53 (A) (INPUT = 1.00)

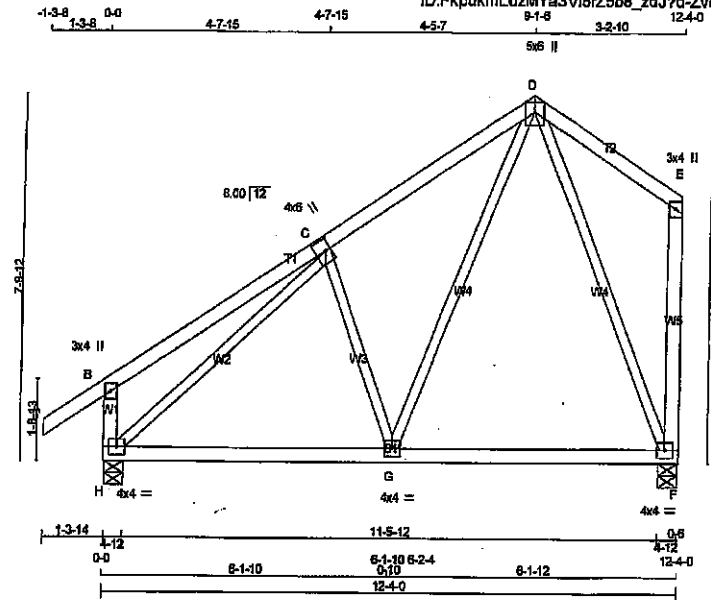


DRWG NO. TAM 77905399
STRUCTURAL
CONCRETE ONLY

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 = 1/4" = 1'-0"

TOTAL WEIGHT = 62 lb

LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER		
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+t	MT20	4.0	8.0	3.00	1.25
D	TTWV+p	MT20	5.0	8.0	Edge	
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		
G	BMVW1-t	MT20	4.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		

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

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

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERMLIVE	WIND	DEAD	SOIL
F	518	-358 / 0	0 / 0	0 / 0	0 / 0	160 / 0	0 / 0
H	615	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)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	G-D	0 / 497	0.11 (1)	
B-C	0 / 31	-102.1 -102.1	0.35 (1)	D-F	-578 / 0	0.79 (1)	
C-D	-523 / 0	-102.1 -102.1	0.27 (1)	C-G	-353 / 0	0.13 (1)	
D-E	0 / 0	-102.1 -102.1	0.18 (1)	H-C	-742 / 0	0.34 (1)	
H-B	-317 / 0	0.0 0.0	0.03 (1)				
F-E	-164 / 0	0.0 0.0	0.10 (1)				
H-G	0 / 531	-17.5 -17.5	0.23 (4)				
G-F	0 / 228	-17.5 -17.5	0.20 (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. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 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 (0.41")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/899 (0.04")

CS: TC=0.35/1.00 (B-C:1), EC=0.23/1.00 (G-H:4),
WB=0.79/1.00 (D-F:1), SS=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

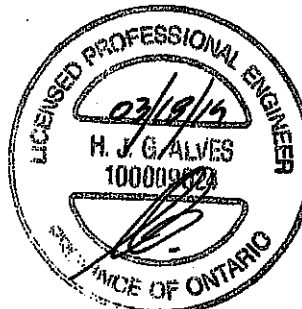
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



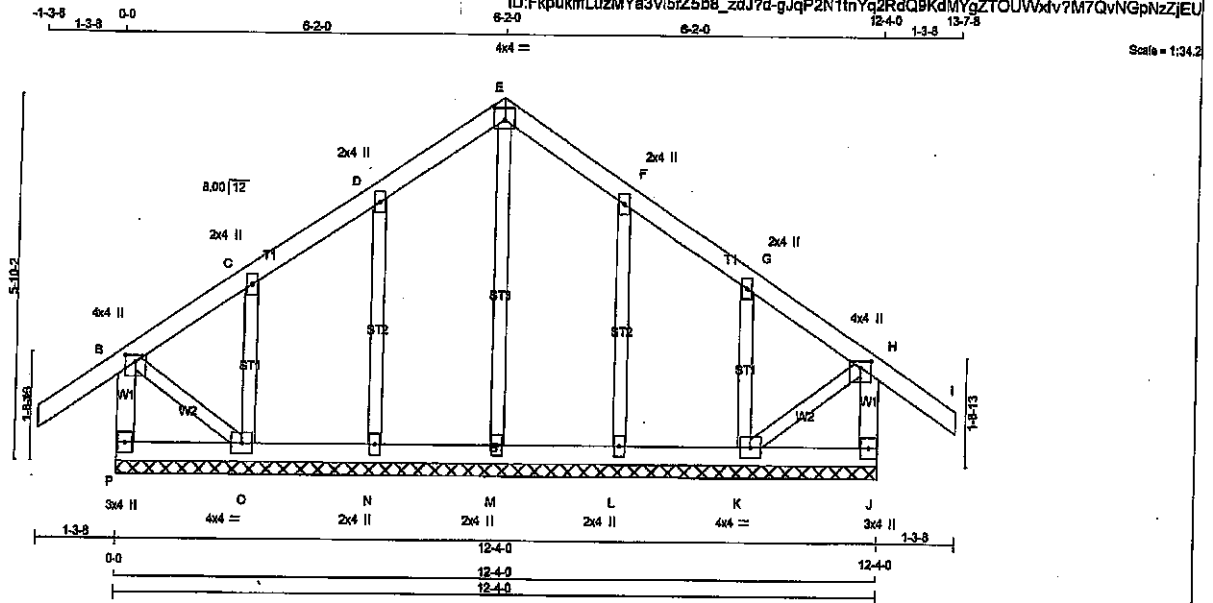
DWG NO. TAM 71905400
STRUCTURAL
CONSULTANT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G41	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32

TOTAL WEIGHT = 55 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - J	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				
GABLE STUDS SPACED AT	2'-0" O.C.			

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, F, G					
C TMVW+w	MT20	2.0	4.0		
E TTVW+p	MT20	4.0	4.0	2.25	2.00
H TMVW+p	MT20	4.0	4.0	1.25	2.00
J BMV1+p	MT20	3.0	4.0		
K BMVW1-t	MT20	4.0	4.0		
L, M, N					
L BMV1+w	MT20	2.0	4.0		
O BMVW1-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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. UNBRACED LENGTH (FT)
FR-TO				FR-TO			
P-B	-255 / 0	0.0	0.03 (1)	M-E	-158 / 0	0.08 (1)	
A-B	0 / 39	-102.1	-102.1 0.14 (1)	N-D	-225 / 0	0.07 (1)	
B-C	-15 / 0	-102.1	-102.1 0.08 (1)	O-C	-225 / 0	0.04 (1)	
C-D	-19 / 0	-102.1	-102.1 0.06 (1)	L-F	-225 / 0	0.07 (1)	
D-E	-24 / 0	-102.1	-102.1 0.08 (1)	K-G	-225 / 0	0.04 (1)	
E-F	-24 / 0	-102.1	-102.1 0.06 (1)	B-O	0 / 28	0.01 (1)	
F-G	-19 / 0	-102.1	-102.1 0.08 (1)	K-H	0 / 28	0.01 (1)	
G-H	-15 / 0	-102.1	-102.1 0.06 (1)				
H-I	0 / 39	-102.1	-102.1 0.14 (1)				
J-H	-255 / 0	0.0	0.03 (1)				
P-O	0 / 0	-17.5	-17.5 0.02 (4)				
O-N	0 / 15	-17.5	-17.5 0.02 (4)				
N-M	0 / 11	-17.5	-17.5 0.01 (4)				
M-L	0 / 11	-17.5	-17.5 0.01 (4)				
L-K	0 / 15	-17.5	-17.5 0.02 (4)				
K-J	0 / 0	-17.5	-17.5 0.02 (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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.02/1.00 (K-L:4), VVB=0.08/1.00 (E-M:1), SSI=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

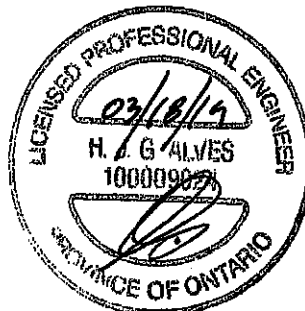
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 854 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

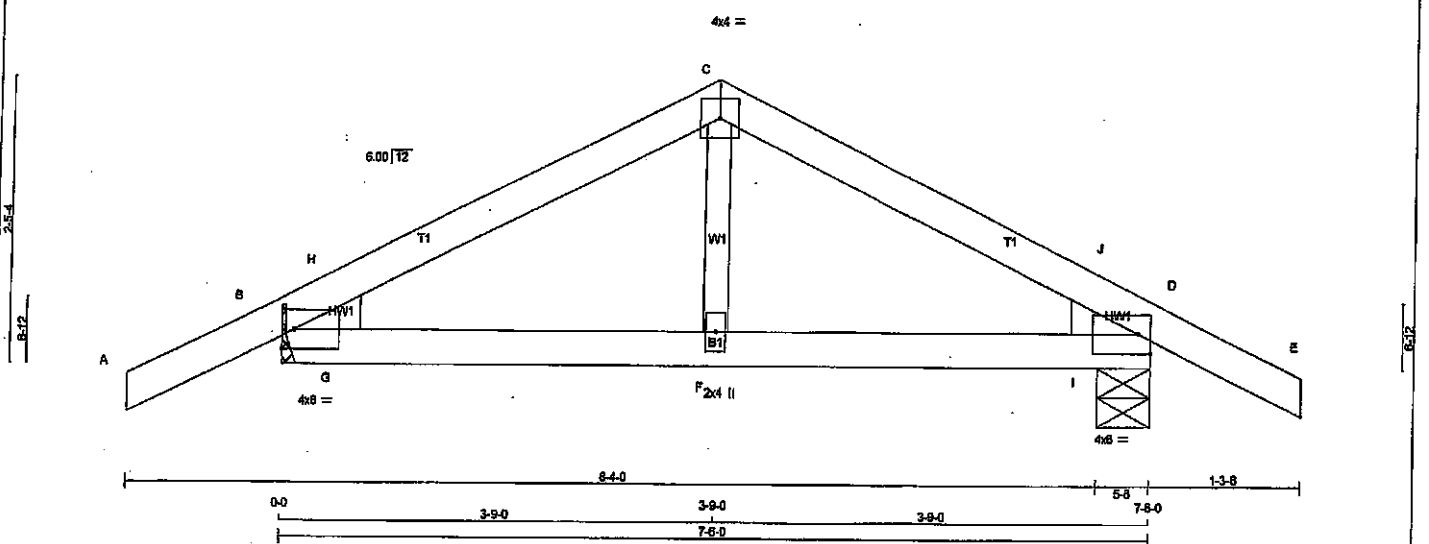
JSI GRIP= 0.18 (H) (INPUT = 0.90)
JSI METAL= 0.12 (C) (INPUT = 1.00)



DRWG NO. TAM 77905401
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	T42	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:35 2019 Page 1			
		ID: FkpkumLuzMYa3V15rZ5b8_zdJ7d-15CaoXI7bmu69EiwcNNhyNnzS41M1L0N1dxDn7zZJDe			

Scale = 1:18.2



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)	W	LEN	Y	X
JT TYPE	MT20	4.0	6.0	Edge
B TMBH1-J	MT20	4.0	6.0	Edge
C TTW-p	MT20	4.0	6.0	Edge
D TMBH1-J	MT20	4.0	6.0	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	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
B	587	0	587	0	0
D	587	0	587	0	0

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	PERM. LIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE	WIND	DEAD	SOIL
B	410	297 / 0	0 / 0	0 / 0	114 / 0
D	410	297 / 0	0 / 0	0 / 0	114 / 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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO						FR-TO		
A-B	0 / 21	-102.1	-102.1	0.13 (1)	10.00	F-C	0 / 130	0.03 (1)
B-H	-509 / 0	-102.1	-102.1	0.07 (1)	6.25	G-H	-123 / 20	0.00 (1)
H-C	-480 / 0	-102.1	-102.1	0.13 (1)	6.25	I-J	-123 / 20	0.00 (1)
C-J	-480 / 0	-102.1	-102.1	0.13 (1)	6.25			
J-D	-509 / 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 = 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 CBC 2018, CBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(58 % 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 (0.26")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.26")
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=1.60 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

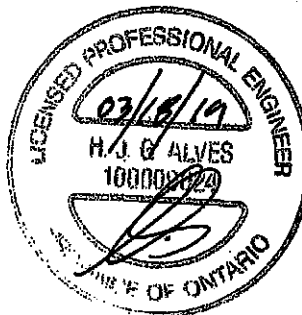
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.73 (D) (INPUT = 0.90)
JSI METAL= 0.12 (D) (INPUT = 1.00)

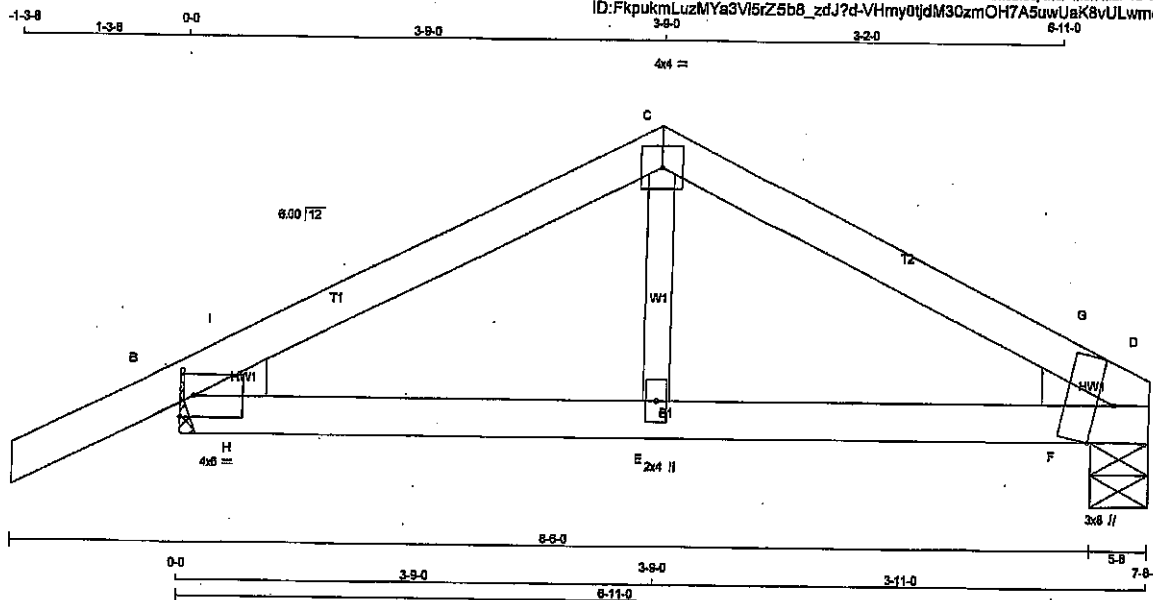


DRWG NO. TAM 7905402
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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ID: FkpkumLuzMYa3V5fZ5b8_zdJ?d-VHmy0tdM30zmOH7A5uwUaK8vULwmoDWXhHnJZzJDb



Scale = 1:16.7

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF
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 in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMBH1-J	MT20	4.0	6.0	Edge	
C TTW-p	MT20	4.0	4.0		
D TBMH1-m	MT20	3.0	8.0	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

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

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	118 / 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)

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						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)	8.25	F-G	-155 / 6	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)	8.25				
G-D	-521 / 0	-102.1	-102.1	0.04 (1)	8.25				
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 = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.26")
CALCULATED VERT. DEFL. (LL) = $L/998$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.26")
CALCULATED VERT. DEFL. (TL) = $L/998$ (0.02")

CSI: TC=0.15/1.00 (C-G:1), BC=0.19/1.00 (D-F:1), WB=0.03/1.00 (C-E:1), SSI=0.13/1.00 (C-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

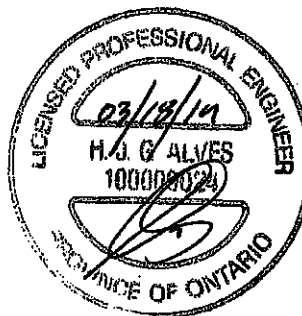
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLJ) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1697 788 1997 1696

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)



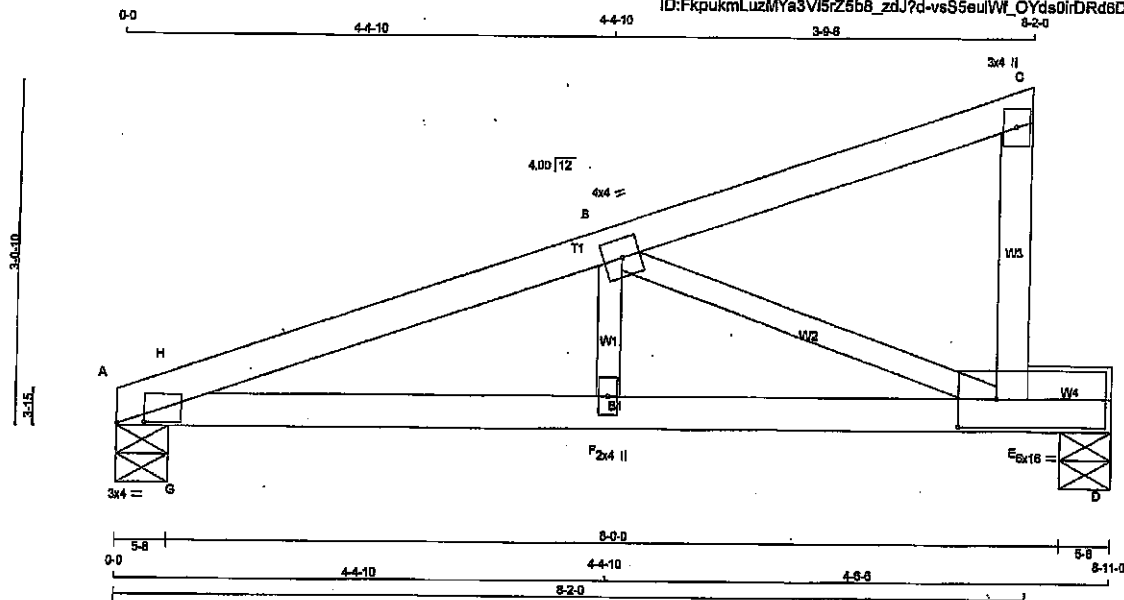
DRWG NO. TAM 11905403
STRUCTURAL
COMPONENT ONLY

DWG NO. TAM 77054 04
STRUCTURAL
CONCRETE 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 12:18:39 2018 Page 1
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Scale = 1:18.0

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	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 in inches)

JT	TYPE	PLATES	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-I	MT20	3.0	4.0		
E	TMBVW-I	MT20	8.0	16.0	3.00	4.25
F	TMBVW	MT20	2.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
A	530	0	530	0
D	460	0	460	0

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	CSI (LC) UNBRAC	FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO	
A-H	-1019 / 0	-102.1 -102.1	0.03 (1)	8.18
H-B	-1004 / 0	-102.1 -102.1	0.17 (1)	8.05
B-C	-13 / 0	-102.1 -102.1	0.16 (1)	8.25
E-C	-153 / 0	0.0 0.0	0.02 (1)	7.81
A-G	0 / 863	-17.5 -17.5	0.29 (1)	10.00
G-F	0 / 863	-17.5 -17.5	0.31 (1)	10.00
F-E	0 / 863	-17.5 -17.5	0.62 (1)	10.00
E-D	0 / 0	-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 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 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.30")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = L/885 (0.12")

CSI: TC=0.177/1.00 (B-H:1), BC=0.62/1.00 (E-F:1),
WB=0.27/1.00 (B-E: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

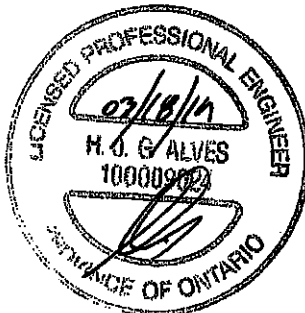
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

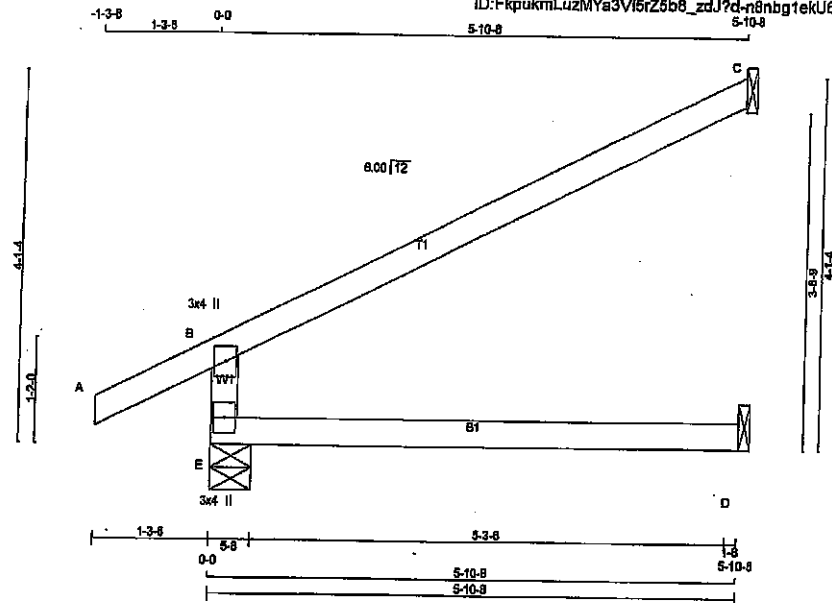
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.39 (A) (INPUT = 1.00)



DRWG NO. TAM T1905405
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401769	J1	40	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.230 6 Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 12:47:03 2019 Page 1					
ID: FkpukmLuzMYa3V16rZ8b8_zdJ?d-n8nbg1tekU6VHsV19Ux8kv2UDPVL9gSxFO8RcczZips					
Scale = 1:23.6					



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 (tablets in inches)	W	LEN	Y	X
JT TYPE	MT20	3.0	4.0	
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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
E	574	0	574	0	5-8	5-8
C	225	0	225	0	1-8	1-8
D	42	0	48	0	1-8	1-8

SEE MITEK STANDARD DETAIL 837821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	401	292 / 0	0 / 0	0 / 0	0 / 0	109 / 0	0 / 0
C	154	128 / 0	0 / 0	0 / 0	0 / 0	26 / 0	0 / 0
D	34	0 / 0	0 / 0	0 / 0	0 / 0	34 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MEMB.	WEBS	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)		MAX. FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
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	0.80 (1)	6.25		
E-D	0 / 0	-17.5	-17.5	0.12 (4)	10.00		

TOTAL WEIGHT = 40 X 17 = 672 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 8, NBCC 2010, NBCC 2015

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(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

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/899 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/699 (0.03")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

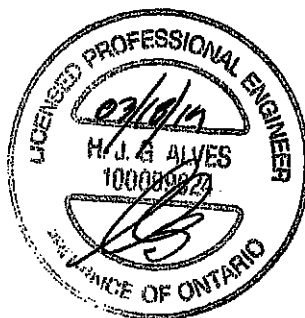
NAIL VALUES

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

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)

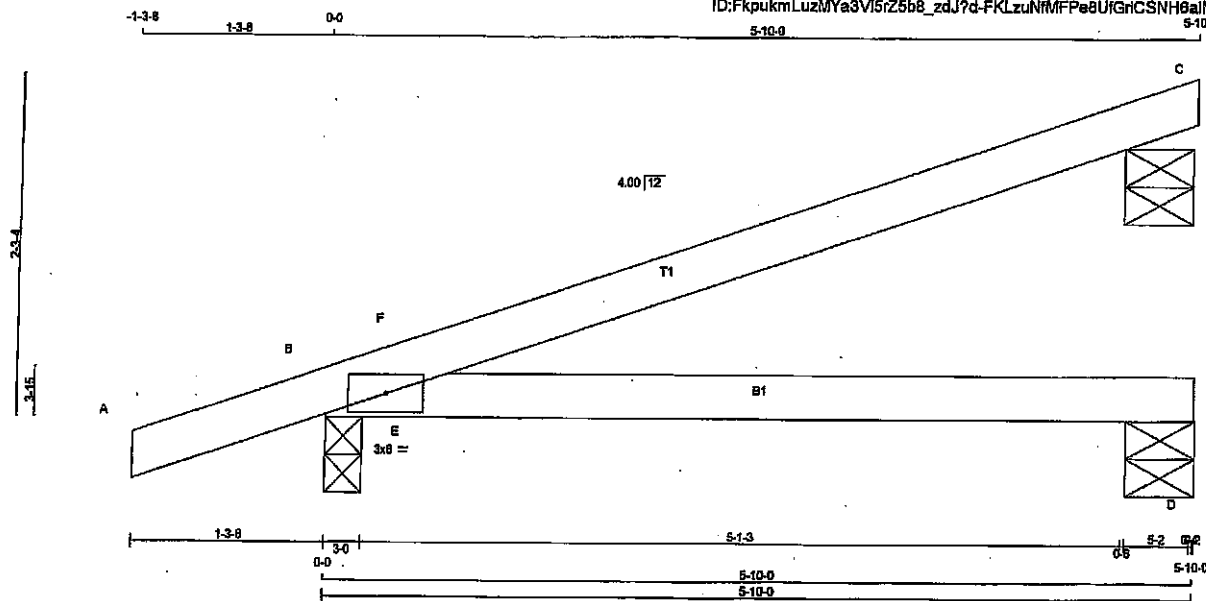


DRWG NO. TAM 17905406
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME J2	QUANTITY 15	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 6.230 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 12:47:04 2019 Page 1	

ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-FKLzuNMFPa8UIGnCSNH8aINpau7h5Ugu_02zZipr

Scale = 1:14.2



TOTAL WEIGHT = 15 X 15 = 230 lb

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

DRY: SEASONED LUMBER.

PLATES (table 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD IN-SX
	VERT	HORZ	DOWN	HORZ		
C	259	0	259	0	5-8	5-8
B	485	0	485	0	3-0	3-0
D	90	0	90	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 LOOSE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	178	149/0	0/0	0/0	0/0	38/0	0/0
B	339	247/0	0/0	0/0	0/0	92/0	0/0
D	67	25/0	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		FACTORED		WEBS		MAX. FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	LC1	MAX	MAX. MEMB. FORCE (LBS)	MAX. CS1 (LC)	MAX. FORCE (LBS)	MAX. CS1 (LC)
FR-TO								
A-B	0/20	-102.1	-102.1	0.13 (1)	10.00	E-F	-373/8	0.00 (1)
B-F	-18/24	-102.1	-102.1	0.06 (4)	8.25			
F-C	-2/2	-102.1	-102.1	0.45 (1)	10.00			
B-E	0/0	-17.5	-17.5	0.32 (1)	10.00			
E-D	0/0	-17.5	-17.5	0.32 (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 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.18")
CALCULATED VERT. DEFL.(LL) = L/802 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/488 (0.15")

CS1: TO=0.45/1.00 (C-F:1), BC=0.32/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS1=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

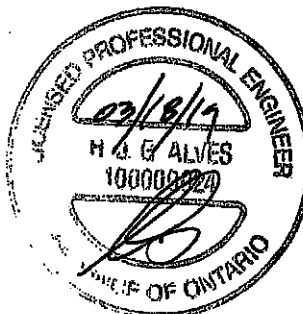
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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 = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)

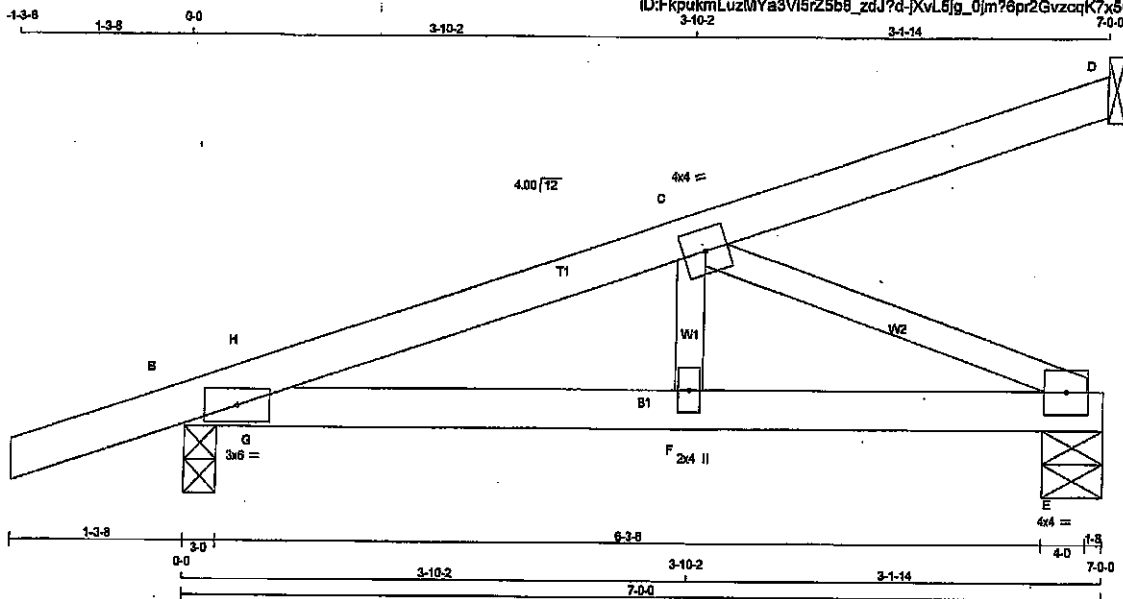


DRWG NO. TAM 17905401
STRUCTURAL
COMMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	J3	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 12:47:05 2019 Page 1
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TOTAL WEIGHT = 5 X 21 = 107 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE DRY LUMBER
A - D 2x4 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	REQD 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

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	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)

MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	CHORDS		FACTORED		WEBS		MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
			VERT. LOAD	LC1	MAX	MAX	MEMB.	MAX. FACTORED FORCE (LBS)		
A-B	0 / 20									
B-H	-675 / 0									
H-C	-645 / 0									
C-D	-12 / 0									
B-G	0 / 824									
G-F	0 / 824									
F-E	0 / 824									

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

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

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.22")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.22")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.03")

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

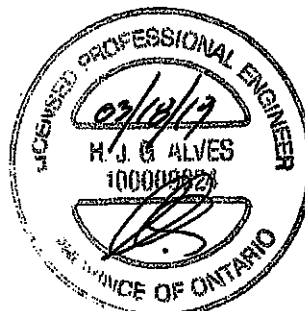
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1858

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)



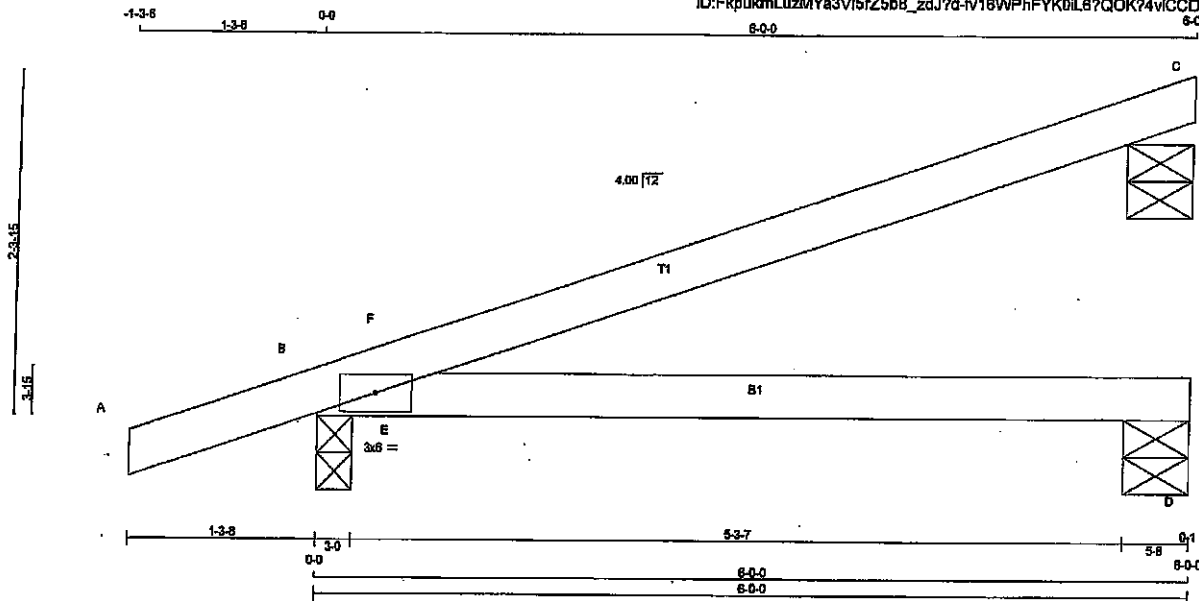
DRWG NO. TAM 71905408
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 6.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:47:07 2019 Page 1
ID:FkpukmLuzMYa3V15rZ5bB_zdJ7d-fv18WPhFYK0iL87QOK74vCCD0o15URXAe8eInZtpd

Scale = 1:14.5



TOTAL WEIGHT = 6 X 16 = 94 lb

LUMBER

N.L.G.A. RULES
CHORDS SIZE
A - C 2x4
B - D 2x4

DRY

LUMBER
No.2

DESCR.
SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE PLATES W LEN Y X
B TMB1-H MT20 3.0 6.0

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
C	266	0	266	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	346	282 / 0	0 / 0	0 / 0	0 / 0	94 / 0	0 / 0
D	69	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 PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	FACTORED LCH MAX	MAX. CSI (LC)	UNBRAC LENGTH FR-TO	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	E-F	-383 / 8
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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 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 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) = $L/240$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/428$ (0.17")

CSI: TC=0.47/1.00 (C-F:1), BC=0.33/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS=0.32/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

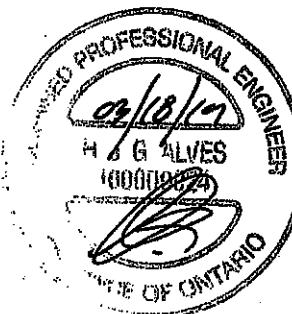
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

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

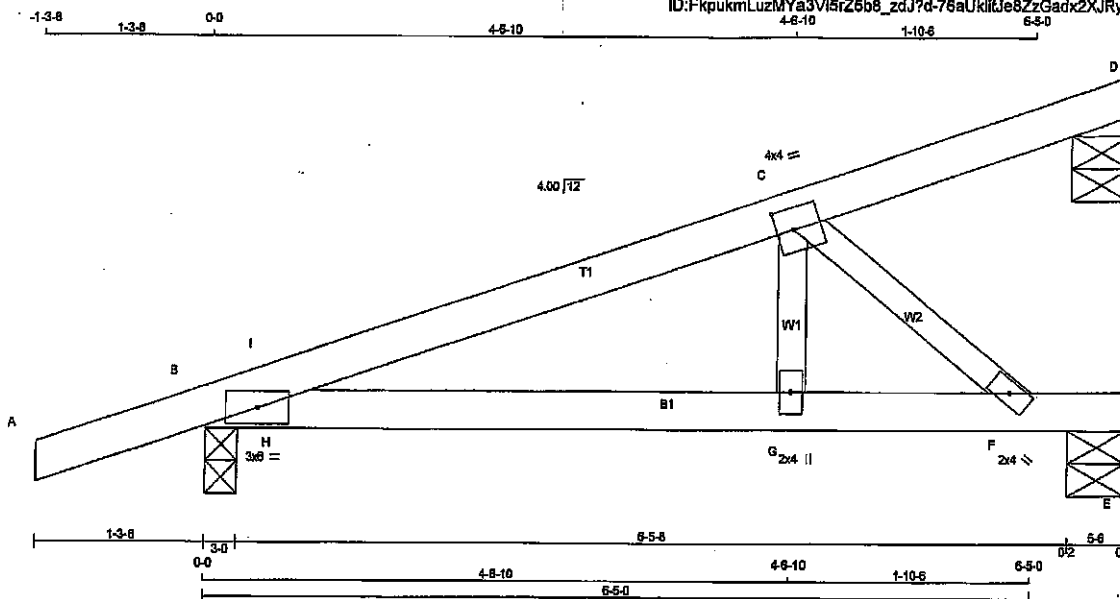


DWS NO. TAM 11905409
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mittek Industries, Inc. Mon Mar 18 12:47:08 2019 Page 1
ID:FkpukmLuzMYa3V15rZ6b8_zdJ7d-76aUklfJe8ZzGadx2XJrlySYQ6dqvagPlsCipzZipn



Scale = 1:16.4

TOTAL WEIGHT = 8 X 21 = 170 lb

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	TMBW-t	MT20	4.0	4.0	2.00	1.50
F	BMW+w	MT20	2.0	4.0		
G	BMW+w	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	585	0	585	0	3-0	3-0
E	333	0	333	0	5-8	5-8
D	98	0	98	0	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		MAX/MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	395	288 / 0	0 / 0	0 / 0	0 / 0	109 / 0	0 / 0
E	238	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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LOCL CS1 (LC)	MAX. UNBRAC. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)		
FR-TO		FROM TO		LENGTH	FR-TO				
A-B	0/20	-102.1	-102.1	0.13 (1)	10.00	C-F	-801/0 0.14 (1)		
B-I	-822/0	-102.1	-102.1	0.03 (1)	6.25	G-C	0/339 0.08 (1)		
I-C	-819/0	-102.1	-102.1	0.18 (1)	6.25	H-I	-218/0 0.00 (1)		
C-D	-12/0	-102.1	-102.1	0.11 (1)	6.25				
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				

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, NBC 2010, NBC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = L/898 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/898 (0.05")

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

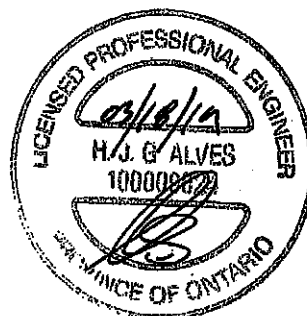
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
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 = 0.70 (F) (INPUT = 0.50)
JSI METAL = 0.42 (F) (INPUT = 1.00)

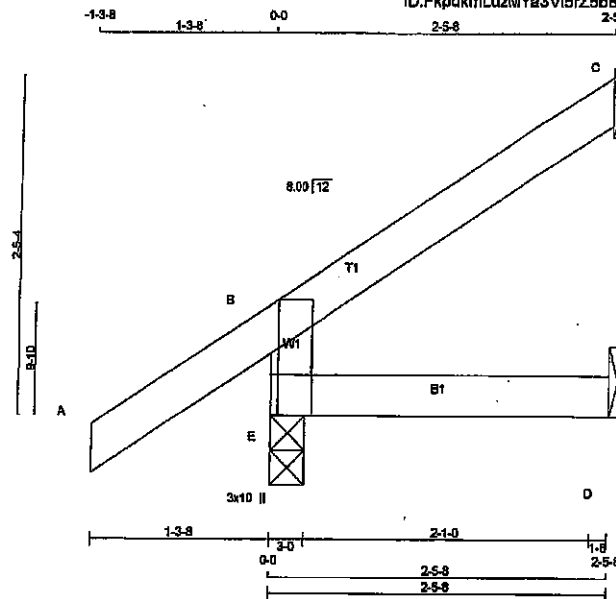


ENVS NO. TAM 71905410
STRUCTURAL
COMMENT ONLY

JOB NAME 401769	TRUSS NAME J6	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:47:10 2019 Page 1	

ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-3UIE9QK7rFOHCak73SZnXNqohDvalrBzacLJMizZip

Scale = 1:15.4



TOTAL WEIGHT = 4 X 9 = 34 lb

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	322	0	322	0	3-0	3-0
C	94	0	94	0	1-8	1-8
D	18	0	20	0	1-8	1-8

SEE MITEK STANDARD DETAIL 637821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		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 = 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: (5)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LOAD LC1 MAX		MAX. UNBRACED LENGTH FR-TO	MEMB. MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
			FROM	TO			
FR-TO							
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)	6.25		
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 = 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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = 1/999 (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), SSI=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

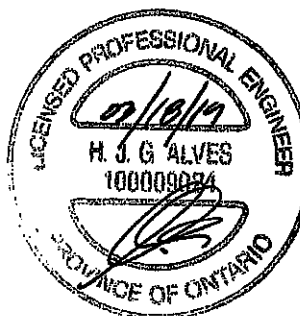
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1897 788 1897 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.08 (E) (INPUT = 0.90)
JSI METAL = 0.10 (E) (INPUT = 1.00)

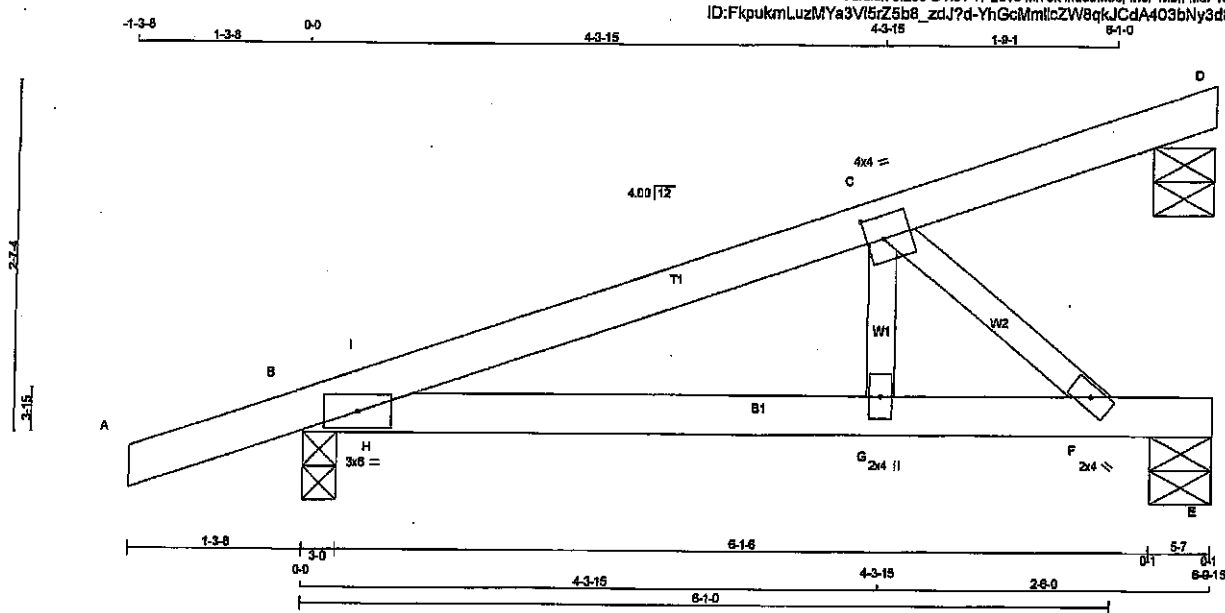


DRWG NO. TAM 77905411
STRUCTURAL
CONSTRUCTION ONLY

JOB NAME 401769	TRUSS NAME J7	QUANTITY 9	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 9.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 12:47:11 2019 Page 1
ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-YhGcMmlcZW8qkJCdA403bNy3d8n1HT75G4su8zZipk

Scale: 3/4"=1'



TOTAL WEIGHT = 9 X 20 = 183 lb

LUMBER				DESCR.	
N. L. G. A. RULES	SIZE	LUMBER		SPF	
CHORDS					
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-J	MT20	3.0	6.0	
C	TMBWW-J	MT20	4.0	4.0	2.00 1.50
F	BMW+ww	MT20	2.0	4.0	
G	BMW+ww	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	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	545	0	545	0	3-0	3-0
E	314	0	314	0	5-8	5-8
D	94	0	94	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN COMPONENT REACTIONS		PERM LIVE	WIND	DEAD	SOIL
		SNOW	LIVE				
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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		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	-587 / 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 / 583	-17.5 -17.5	0.24 (1)	10.00			
H-G	0 / 583	-17.5 -17.5	0.24 (1)	10.00			
G-F	0 / 588	-17.5 -17.5	0.47 (1)	10.00			
F-E	0 / 0	-17.5 -17.5	0.38 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 086-08, 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 (0.23")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.18/1.00 (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 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.67 (F) (INPUT = 0.90)
JSI METAL= 0.41 (F) (INPUT = 1.00)



DRWG NO. TAM 7705412
STRUCTURAL
COMPONENT ONLY



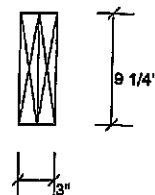
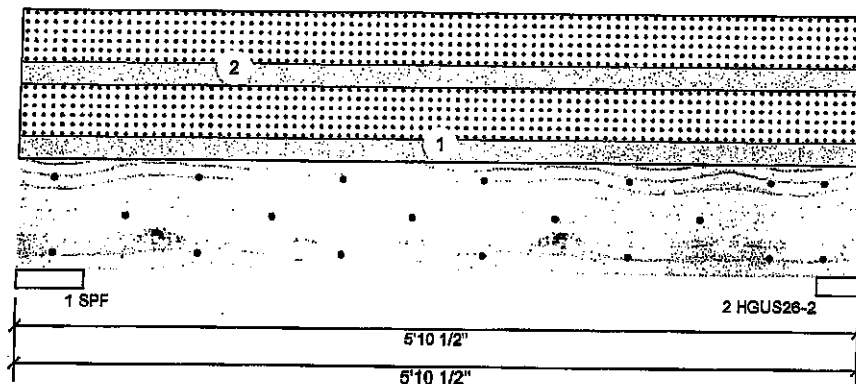
isDesign™

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**

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	329	769	0
2	0	311	717	0

Bearings and Factored Reactions

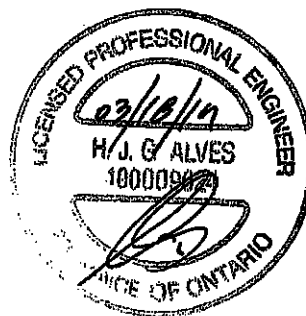
Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	411 / 1138	1550 L	1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1464 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (28%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/2789)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

- 1 Fasten all 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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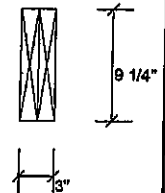
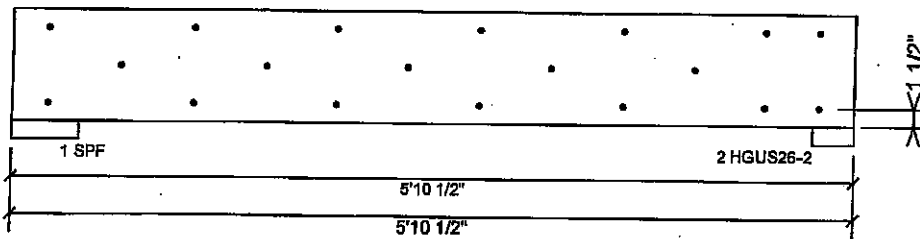
Client:
Project:
Address:

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

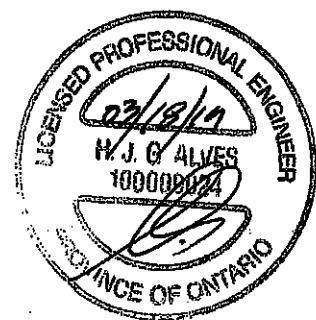
Level: Level



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	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 7705413
STRUCTURAL
COMPONENT ONLY 2/2

Manufacturer Info

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



This design is valid until 12/11/2021





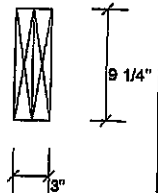
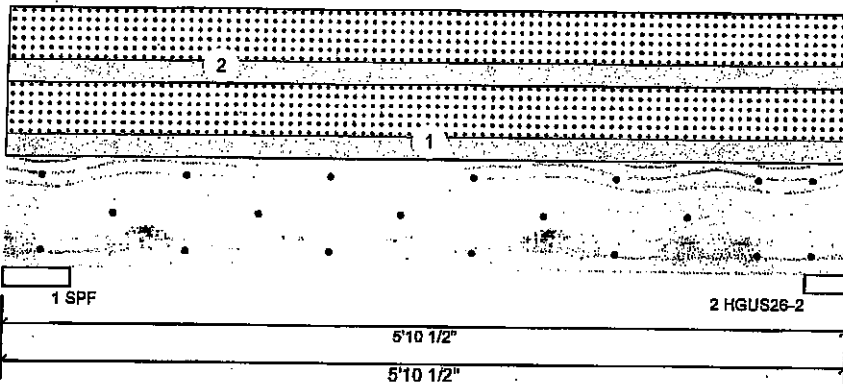
isDesign™

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

Page 3 of 12

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

Level: Level

**Member Information**

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

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

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	319	736	0
2	0	301	698	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	399 / 1104	1503 L 1.25D+1.5S
2 - HGUS...	3.500"	22%	377 / 1044	1420 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1715 ft-lb	3' 1/4"	6039 ft-lb	0.284 (28%)	1.25D+1.5S	L
Unbraced	1715 ft-lb	3' 1/4"	5223 ft-lb	0.328 (33%)	1.25D+1.5S	L
Shear	1306 lb	1'2"	3984 lb	0.328 (33%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9511)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.015 (L/4121)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.022 (L/2875)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

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



DWG NO. TAM 179054/14
STRUCTURAL
COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		7-1-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-385-1115



This design is valid until 12/11/2021





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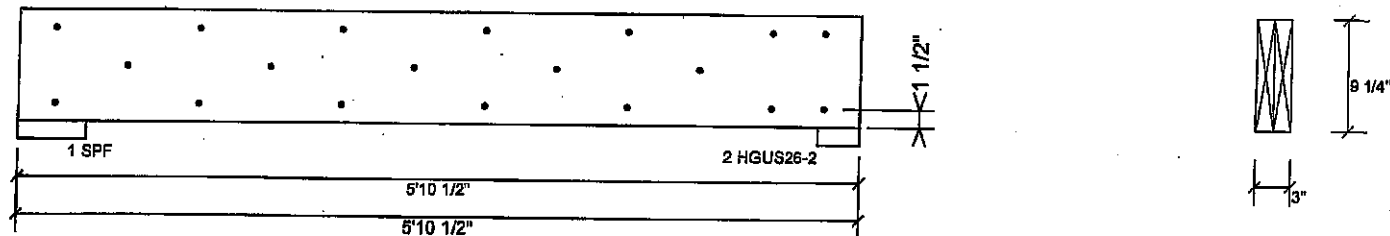
Client:
Project:
Address:

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

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

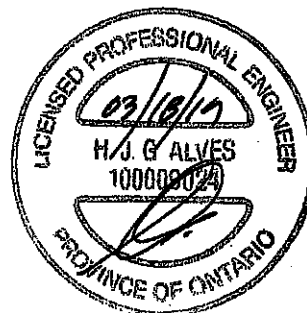
Level: Level



Multi-Ply Analysis

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

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



DWG NO. TAM 119054 14
STRUCTURAL
COLD-WEATHER ONLY 3/2

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

This design is valid until 12/11/2021





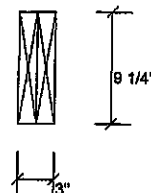
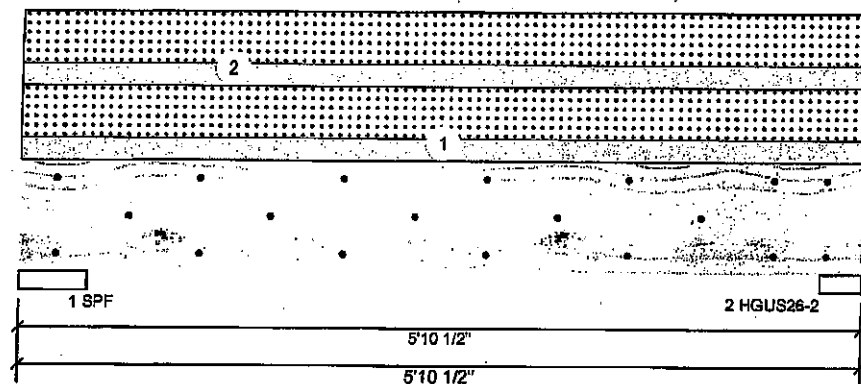
isDesign™

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

Page 5 of 12

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

Level: Level

**Member Information**

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

Unfactored Reactions UNPATTERNED lb (Uplift)

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

Bearings and Factored Reactions

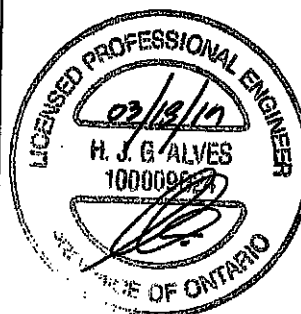
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	17%	448 / 1240	1688 L 1.25D+1.5S
2 - HGUS...	3.500"	25%	423 / 1172	1595 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1926 ft-lb	3' 1/4"	6039 ft-lb	0.319 (32%)	1.25D+1.5S	L
Unbraced	1926 ft-lb	3' 1/4"	5223 ft-lb	0.369 (37%)	1.25D+1.5S	L
Shear	1467 lb	1'2"	3984 lb	0.368 (37%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/8468)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.017 (L/3670)	3' 1/4"	0.175 (L/360)	0.100 (10%)	S	L
TL Defl inch	0.025 (L/2560)	3' 1/4"	0.175 (L/360)	0.140 (14%)	D+S	L

Design Notes

- 1 Fasten all 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 T1905415
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	

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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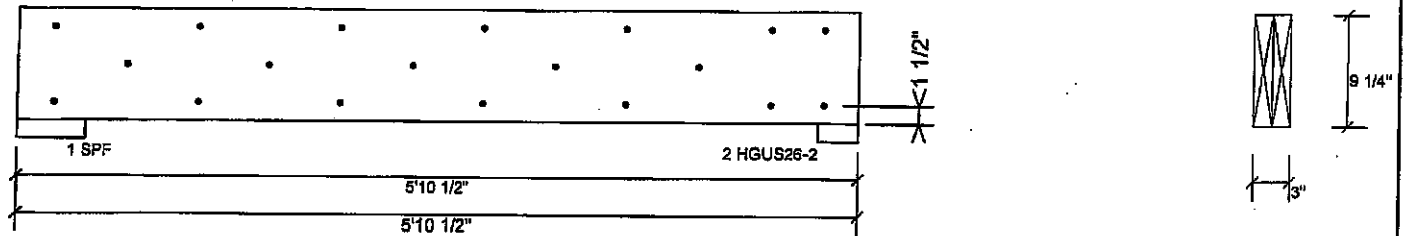
Client:
Project:
Address:

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

Page 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	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 17905415
STRUCTURAL
COMPONENT QAM V 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





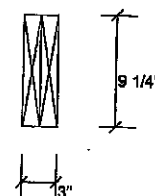
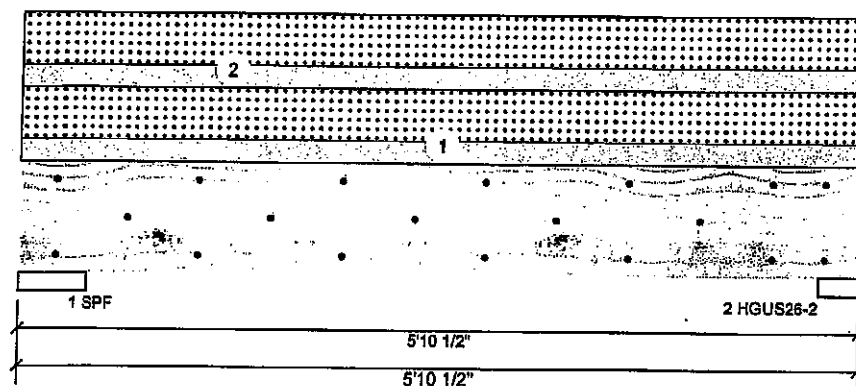
isDesign™

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

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

Level: Level

**Member Information**

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

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

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	329	759	0
2	0	311	717	0

Bearings and Factored Reactions

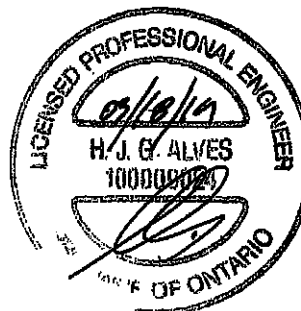
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	411 / 1138	1550 L 1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1464 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (29%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/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 17905416
 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		7-4-8	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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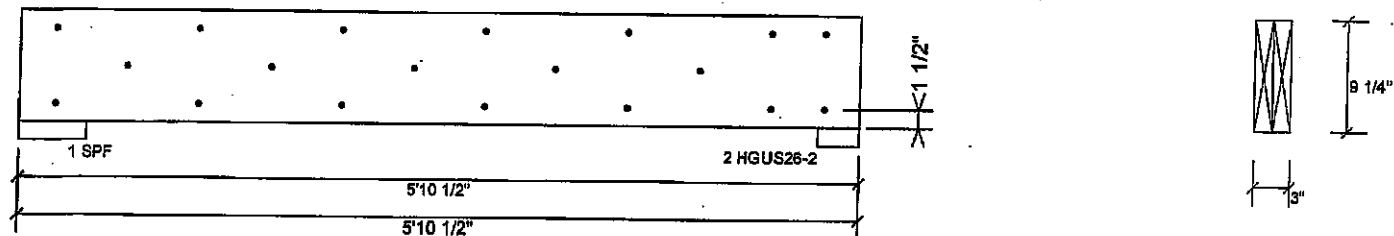
Client:
Project:
Address:

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

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

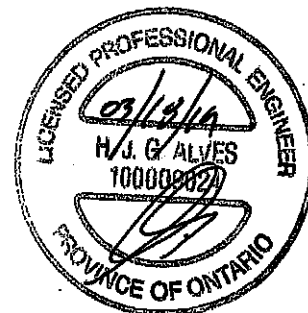
Level: Level



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	88.4 %
Load	225.9 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



ENG NO. TAM 77205416
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info

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



This design is valid until 12/11/2021





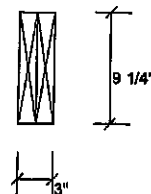
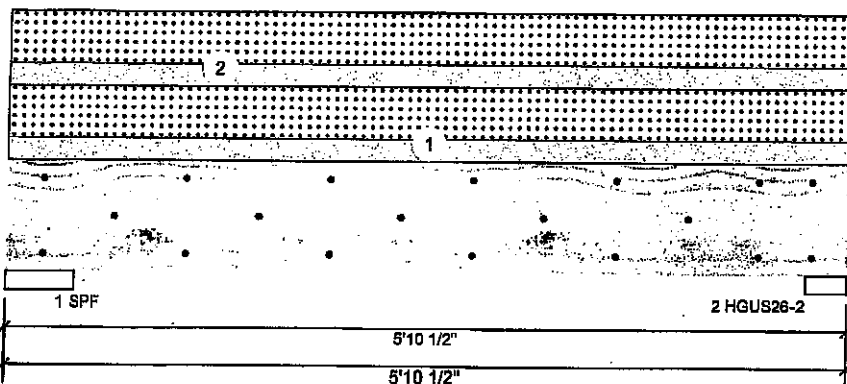
isDesign™

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

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

Level: Level

**Member Information**

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

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	0	339	782	0
2	0	320	739	0

Bearings and Factored Reactions

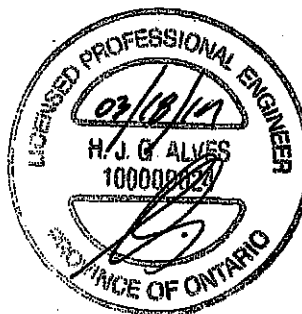
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	16%	423 / 1172	1596 L 1.25D+1.5S
2 - HGUS...	3.500"	23%	400 / 1108	1508 L 1.25D+1.5S

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 Def in.	0.007 (L/8959)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Def inch	0.016 (L/3882)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Def inch	0.023 (L/2709)	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 1705417
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		7-7-8	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





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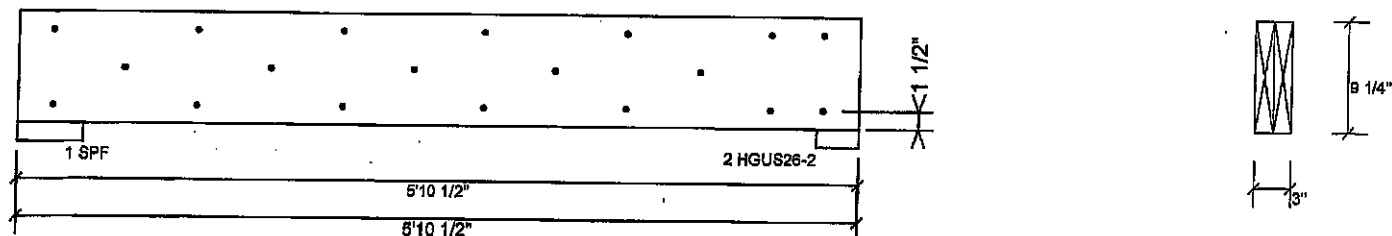
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401759
Project #:

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

Level: Level



Multi-Ply Analysis

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

Capacity	68.7 %
Load	233.5 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 17905417
STRUCTURAL
COORDINATE ONLY 1/2

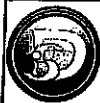
Manufacturer info

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



This design is valid until 12/11/2021





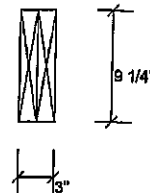
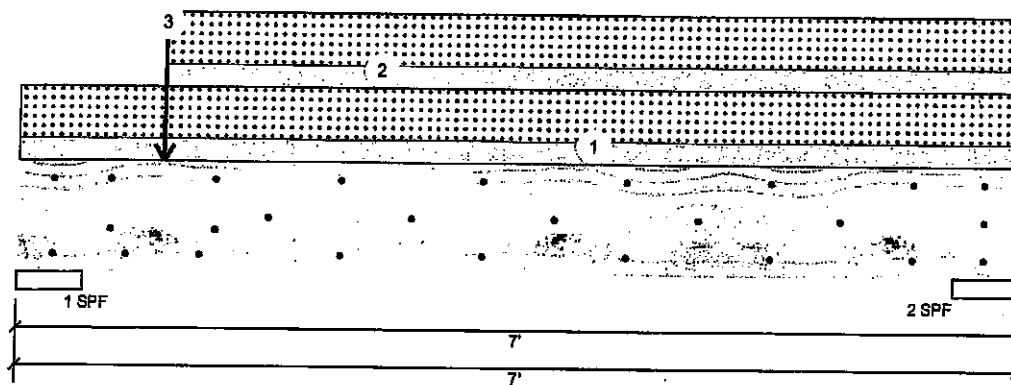
isDesign™

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

Page 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	12"	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

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.



DWG NO. TAM 17405416
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	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	

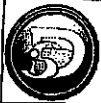
Manufacturer Info

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



This design is valid until 12/11/2021





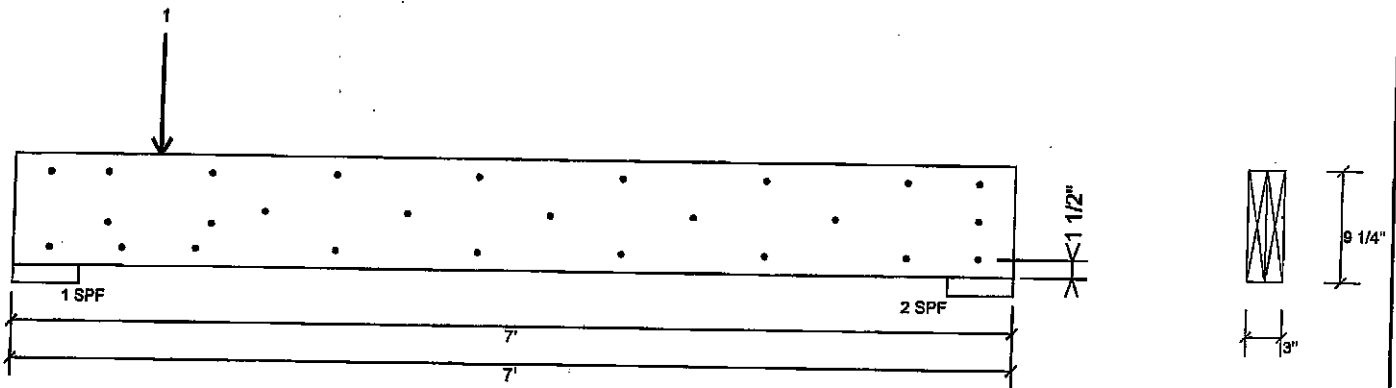
isDesign™

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**

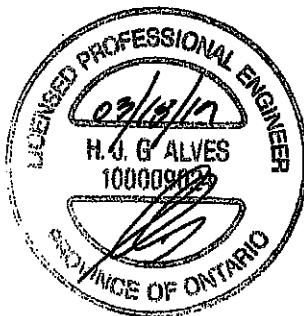
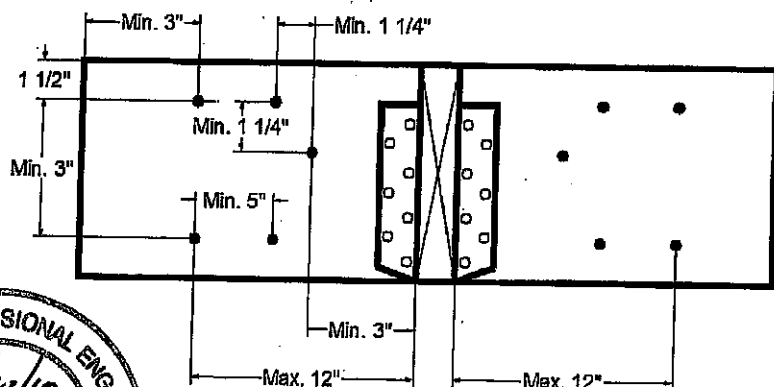
Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

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	660.1 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 79054182/2
STRUCTURAL
ENGINEERING ONLY

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.

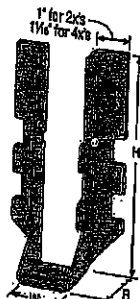
Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

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 1 1/2" 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.



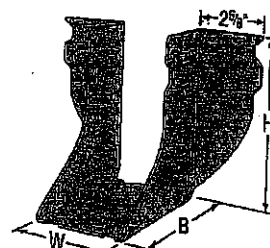
LUS28



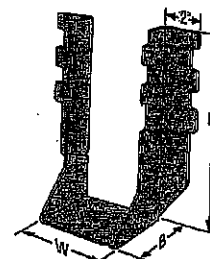
LU26L



HUS210
(HUS26, HUS28,
and HHUS similar)



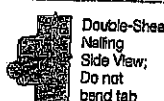
HGUS28-2



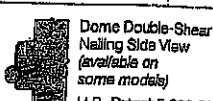
HHUS210-2



Double-Shear
Nailing
Top View

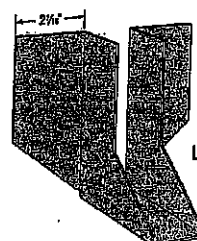
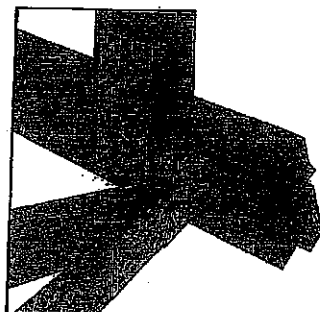


Double-Shear
Nailing
Side View;
Do not
bend tab



Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,803,660

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



LJS26DS

Plated Truss Connectors

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options Information on pp. 125–127.

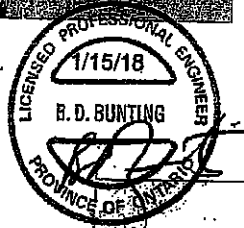
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

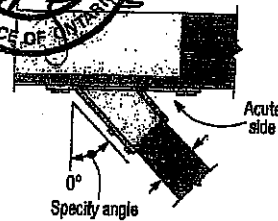
HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
$W < 2"$	Bevel or square cut	0.62 of table value	0.46 of table value
$2" < W < 6"$	Bevel cut	0.67 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



SIMPSON
Strong-Tie



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		Fastener Resistance			
		W	H	B	dg	Header	Joist	S-P-F		Normal	
								lb.	lb.		lb.
lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.		
Single 2x Sizes											
LUS24	18	1 1/8	3 1/4	1 3/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1155
LU24L	22	1 1/8	3	1 1/2	2 1/8	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	725
LU24L	22	1 1/8	5	1 1/2	4 1/2	(6) 10d	(4) 10d x 1 1/2"	720	1805	645	1140
LUS26	18	1 1/8	4 1/4	1 3/4	3 1/4	(4) 10d	(4) 10d	1420	2170	1290	1830
HUS26	18	1 1/8	5 1/4	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2085	3875
LJS26BS	18	1 1/8	5	3 1/2	4 1/4	(18) 16d	(6) 16d	2055	4255	1460	4115
HGUS26	12	1 1/8	5 1/4	5	4 1/4	(28) 16d	(8) 16d	2685	6625	2685	5700
LU28L	20	1 1/8	6 1/4	1 1/2	5 1/4	(8) 10d	(8) 10d x 1 1/2"	1140	2185	1020	1550
LUS28	18	1 1/8	6 1/4	1 1/2	3 3/4	(8) 10d	(4) 10d	1420	2520	1290	1790
HUS28	18	1 1/8	7 1/4	3	6 1/8	(22) 16d	(8) 16d	3605	5385	2875	4345
HGUS28	12	1 1/8	7 1/4	5	6 1/4	(38) 16d	(12) 16d	3310	7675	3310	6900
LU210L	20	1 1/8	8	1 1/2	7 1/4	(10) 10d	(6) 16d x 1 1/2"	1140	2495	1020	1770
LUS210	18	1 1/8	7 1/4	1 3/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210

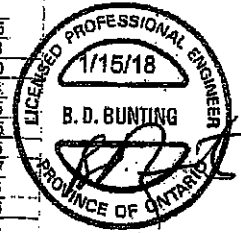
1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d_g is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. Nails: 16d = 0.162" dia. x 3 1/2" long. See pp. 27–28 for other nail sizes and information.

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

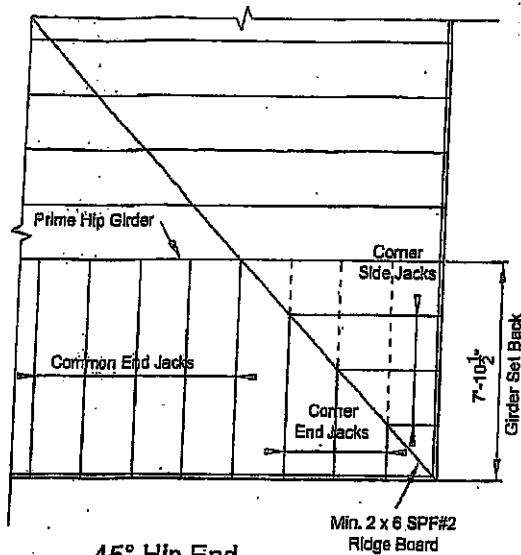
These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _p	Header	Joist	L-R-F		S-P-F	
								lb.	lb.	lb.	lb.
								lb.	lb.	lb.	lb.
								KN	KN	KN	KN
Double 2x Sizes											
LUS24-2	18	3 1/4	8 1/4	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435
LUS26-2	18	3 1/4	4 1/4	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS26-2	14	3 3/8	5 3/8	3	3 3/8	(14) 16d	(8) 16d	2850	7335	2065	5205
HGUS26-2	12	3 3/8	5 3/8	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS28-2	18	3 1/4	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS28-2	14	3 3/8	7 3/8	3	6 1/4	(22) 16d	(6) 16d	3785	8940	2675	6345
HGUS28-2	12	3 3/8	7 3/8	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS210-2	18	3 1/4	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS210-2	14	3 3/8	9 3/8	3	8	(30) 16d	(10) 16d	4670	9860	4235	7000
HGUS210-2	12	3 3/8	9 3/8	4	8 1/4	(46) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes											
HGUS28-3	12	4 3/8	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/4	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	9870	4235	6865
HGUS210-3	12	4 1/8	9 1/4	4	8 1/4	(46) 16d	(16) 16d	6840	14645	4855	10400
Quadruple 2x Sizes											
HGUS26-4	12	6 3/8	5 3/8	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 3/8	7 3/8	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 3/8	8 3/8	3	7 1/4	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 3/8	9 3/8	4	8 1/4	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 3/8	10 3/8	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	6 3/8	12 3/8	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11845
4x Sizes											
LUS46	18	3 3/4	4 3/4	2	3 3/4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS46	14	3 3/8	5 3/8	3	3 3/8	(14) 16d	(8) 16d	2850	7335	2065	5205
HGUS46	12	3 3/8	5 3/8	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 3/8	6 3/8	2	3 3/8	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS48	14	3 3/8	7 3/8	3	6 1/4	(22) 16d	(6) 16d	3785	8940	2675	6345
HGUS48	12	3 3/8	7 3/8	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 3/8	8 3/8	2	5 3/8	(8) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 3/8	9	4	8 1/4	(46) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 3/8	10 3/8	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS414	12	3 3/8	12 3/8	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11845

See footnotes
on p. 258.



Plated Truss Connectors



45° Hip End

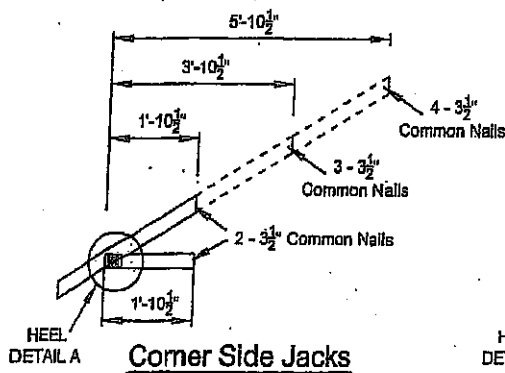
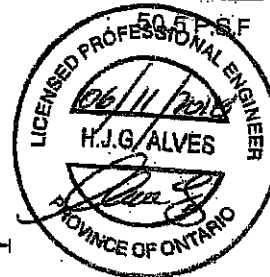
LUMBER SPECIFICATION

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

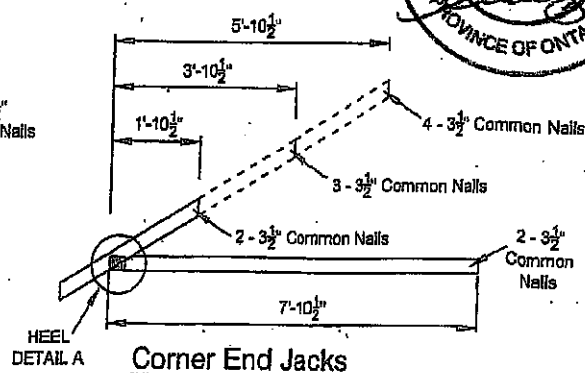
DESIGN LOAD

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

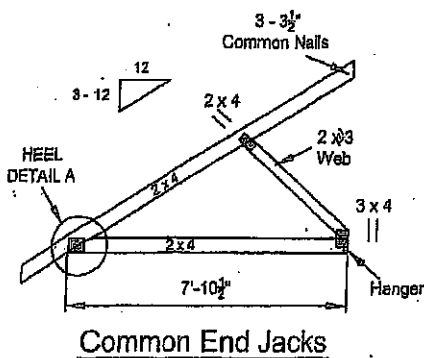
TOTAL LOAD



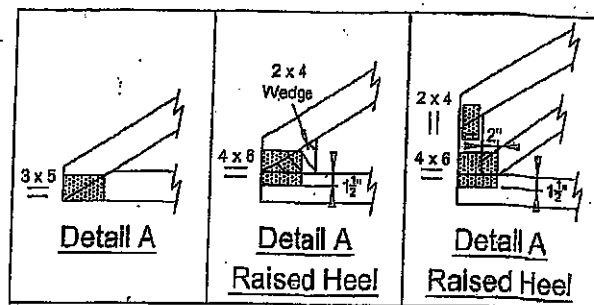
Corner Side Jacks



Corner End Jacks

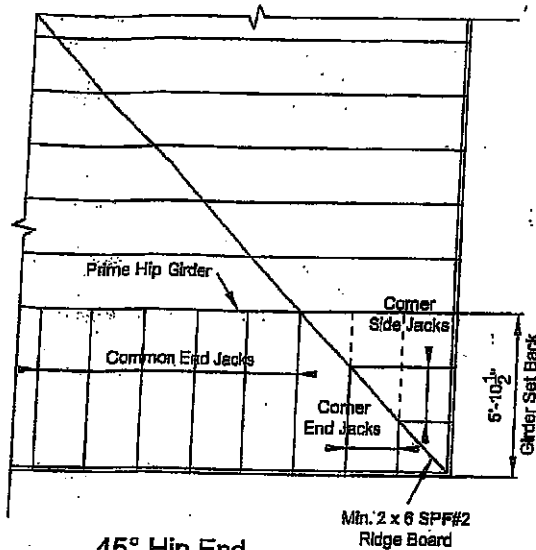


Common End Jacks



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

T-1800217



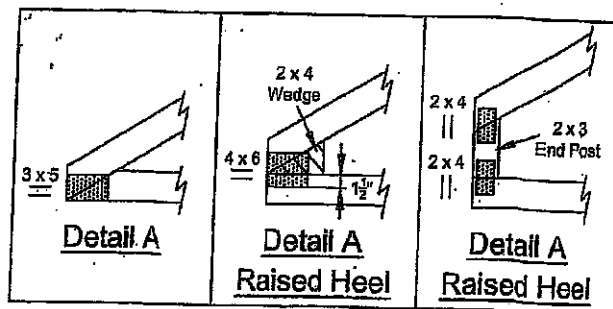
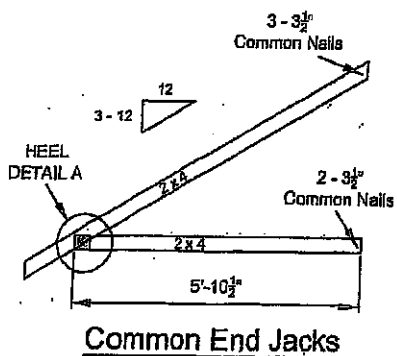
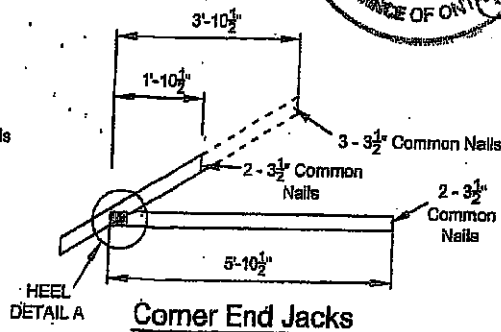
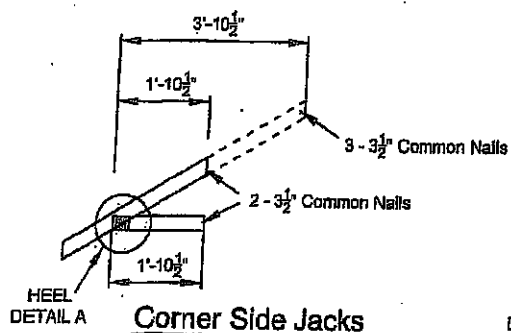
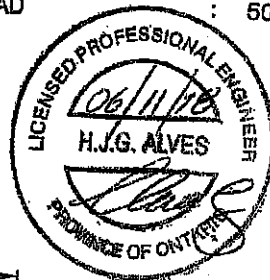
LUMBER SPECIFICATION

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.

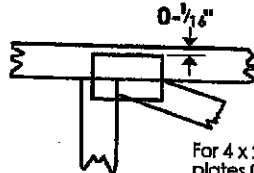
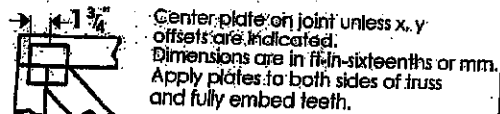


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800216

Symbols

PLATE LOCATION AND ORIENTATION



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

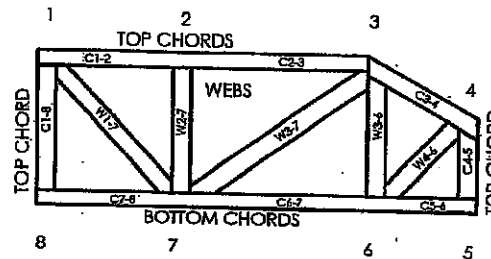


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

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



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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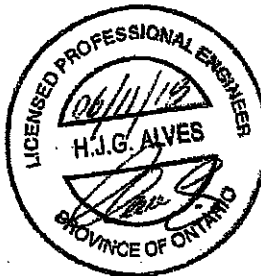
MiTek
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MiTek Engineering Reference Sheet: MII-7473C rev. 10-08

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.



Alves Engineering Services Inc.

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(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 manufacturer's 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 MII7473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1900218

Feb 09, 2018