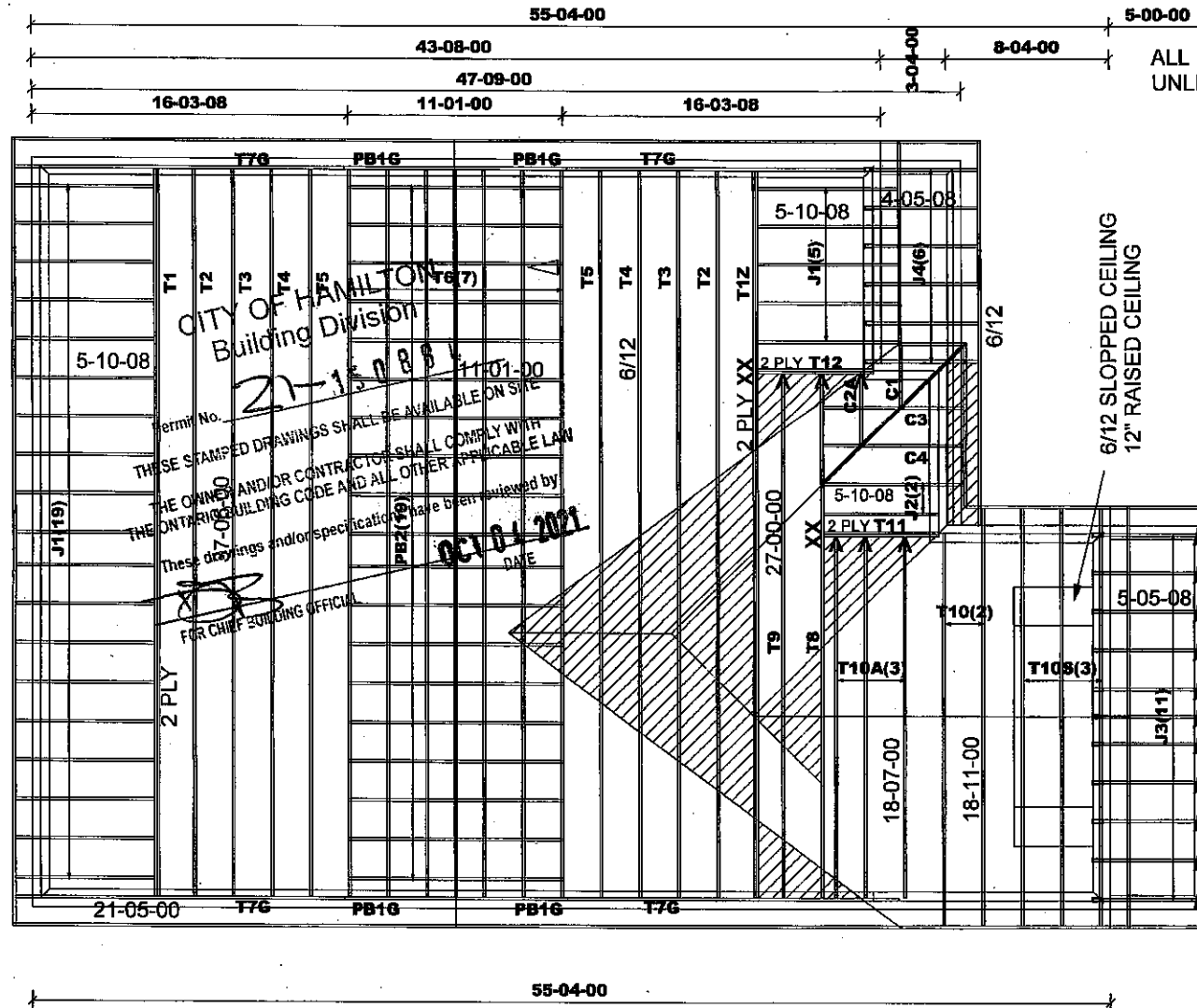




ALL ROOF PITCHES ARE 8/12
UNLESS OTHERWISE NOTED

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

HARDWARE:
LJS26DS - (V)
HGUS26-2 - (XX)
H2.5T - (I)

DENOTES
CONV.
FRAMING

DESIGN CONFORMS WITH
OBC 2012
(2019 AMENDMENT)
OCCUPANCY: RESIDENTIAL
PART: 9
Ss = 31.3 psf Sr = 8.4 psf

DESIGN LOADS:
TCSL = 25.6 psf
TCDL = 6.0 psf
BCLL = 0.0 psf
BCDL = 7.4 psf

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) 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"

M13790



Job Track: **52166**
Plan Log: **204478**
Layout ID: **417422**

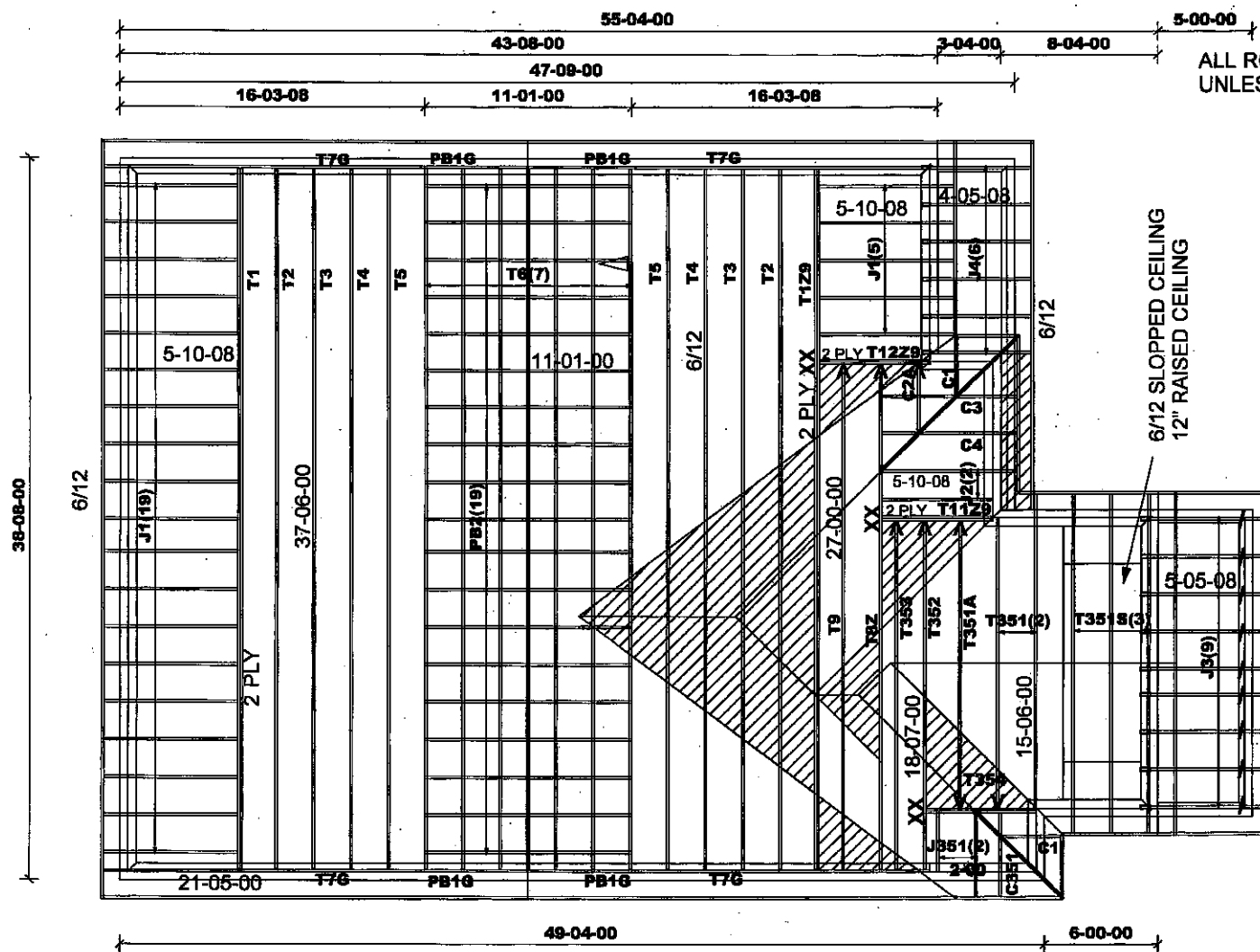
Builder / Location:
GREENPARK HOMES / HAMILTON
Project: **RUSSELL GARDENS PH.4**

Date: 2021-03-22 Sales: Rick DiCiano Designer: LC

Model / Elevation:
SPRINGFIELD 2 / EL.1

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

Milek ver 8.4.2.286



ALL ROOF PITCHES ARE 8/12
UNLESS OTHERWISE NOTED

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

HARDWARE:
LJS26DS - (V)
HGUS26-2 - (XX)
H2.5T - (I)

DENOTES
CONV.
FRAMING

DESIGN CONFORMS WITH
OBC 2012
(2019 AMENDMENT)
OCCUPANCY: RESIDENTIAL
PART: 9

Ss = 31.3 psf Sr = 8.4 psf

DESIGN LOADS:
TCSL = 25.6 psf
TCDL = 6.0 psf
BCLL = 0.0 psf
BCDL = 7.4 psf

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) ROOF RAFTERS THAT CROSS MEET OVER
TRUSSES TO BE 2X4 SPF @ 24" O.C. WITH A 2X4 VERT. POST
TO THE TRUSS UNDER NEATH AT EACH CROSS PT. VERT. POST
LONGER THAN 8' TO HAVE LATERAL BRACING SO THAT THE
DISTANCE BETWEEN END PT. & BETWEEN ROWS OF BRACING
DOES NOT EXCEED 8'

M13790



Job Track: 52166

Plan Log: 204478

Layout ID: 421219

Builder / Location:

GREENPARK HOMES / HAMILTON

Project: RUSSELL GARDENS PH.4

Date: 2021-08-25

Sales: Rick DiCiano

Designer: LC

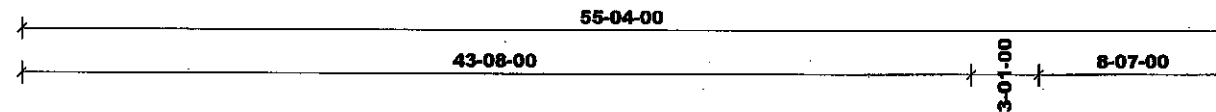
Model / Elevation:

SPRINGFIELD 2 / EL.1 LOT 562

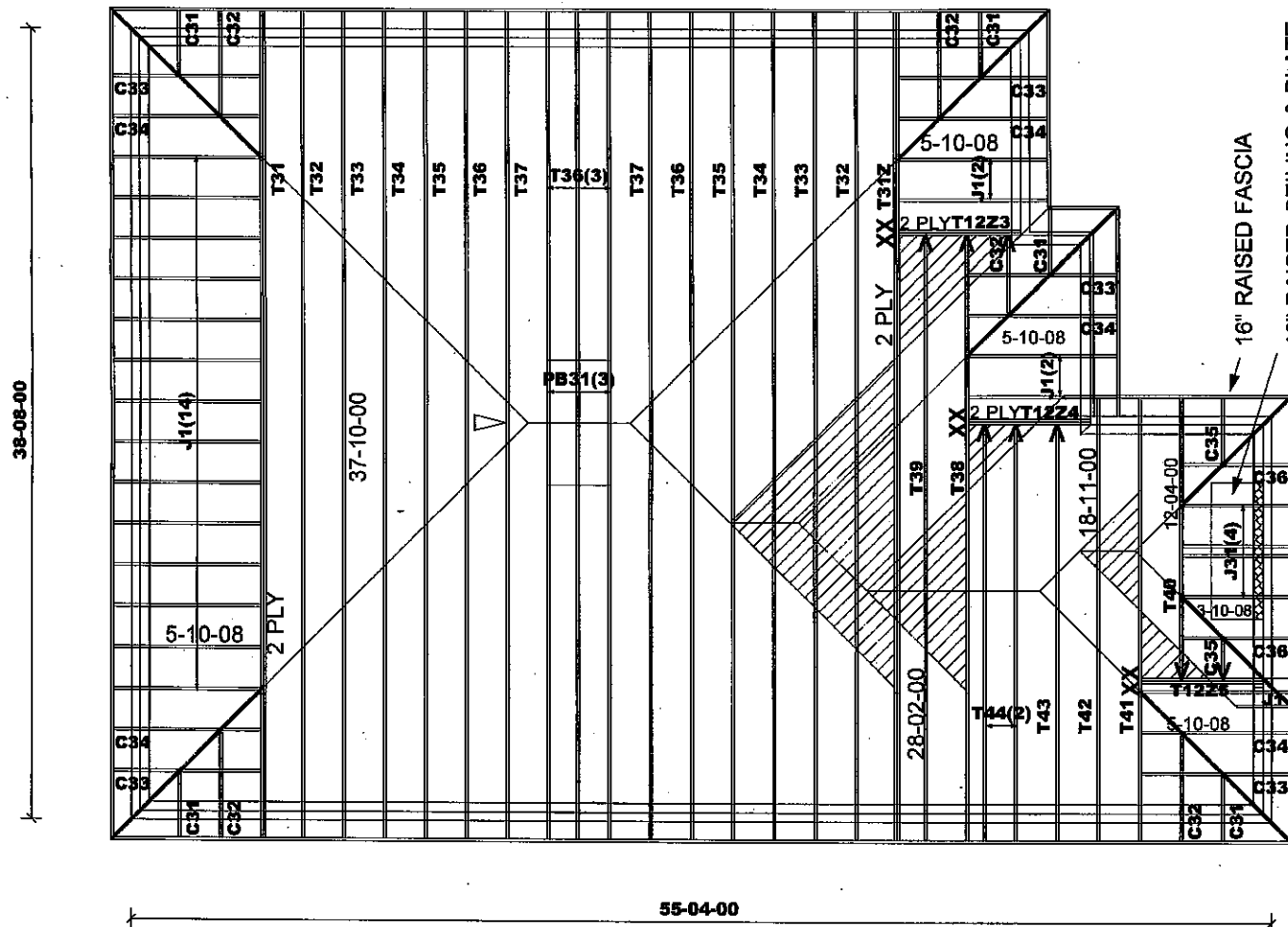
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TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER
PURPOSE.

Mitek ver 8.4.2.286

Mitek ver B.4 2 28



ALL ROOF PITCHES ARE 6/12
UNLESS OTHERWISE NOTED



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

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

DENOTES
CONV.
FRAMING



DESIGN CONFORMS WITH
OBC 2012
(2019 AMENDMENT)
OCCUPANCY: RESIDENTIAL
PART: 9
Ss = 31.3 psf Sr = 8.4 psf

DESIGN LOADS:
TCSL = 25.6 psf
TCDL = 6.0 psf
BCLL = 0.0 psf
BCDL = 7.4 psf

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) 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"

M13790



Job Track: **52166**
Plan Log: **204478**
Layout ID: **417443**

Builder / Location:

GREENPARK HOMES / HAMILTON

Project:

RUSSELL GARDENS PH.4

Date: 2021-03-22

Sales:

Rick DiCiano

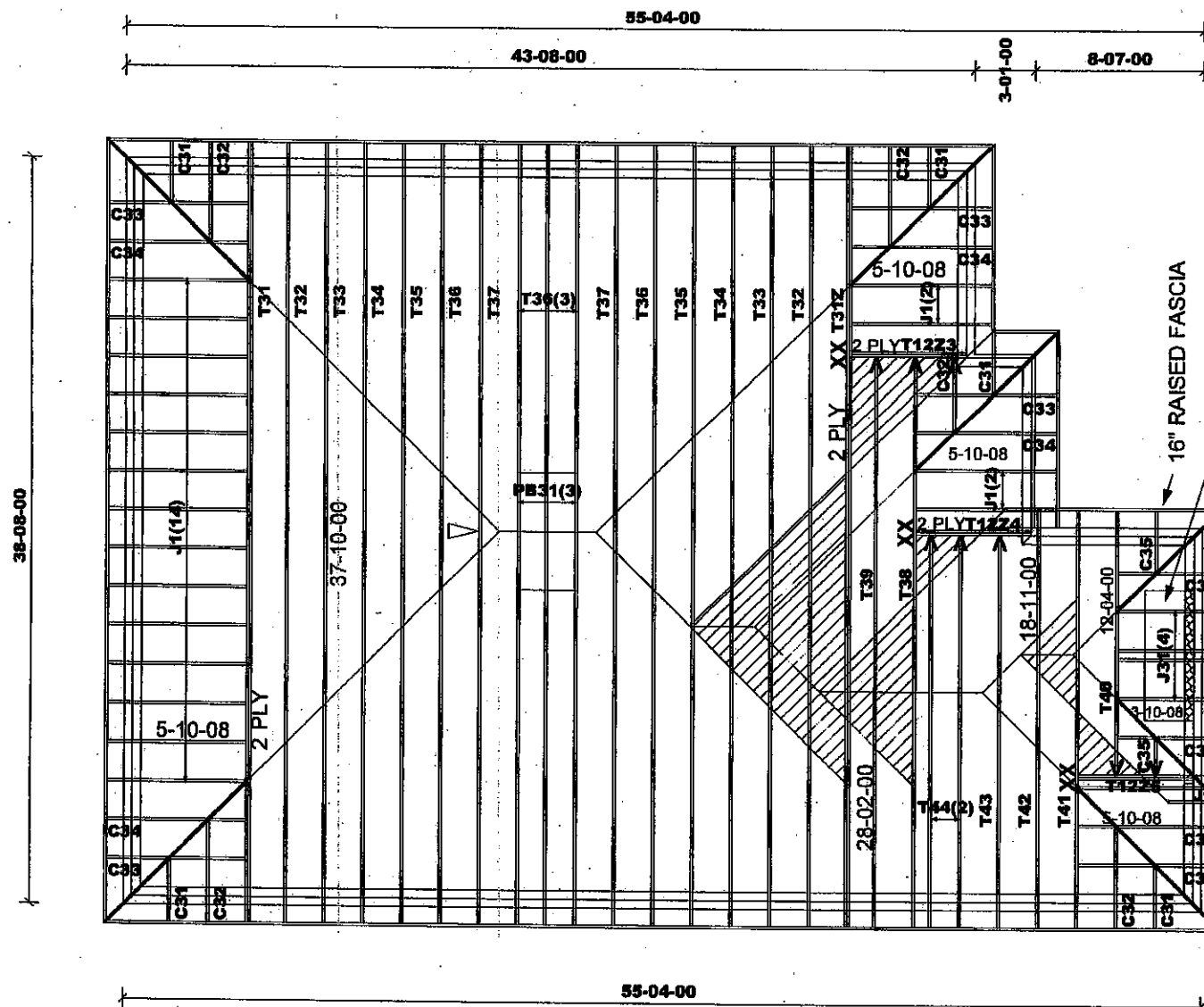
Designer: LC

Model / Elevation:

SPRINGFIELD 2 / EL.3

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

Mitek ver 8.4.2.286



ALL ROOF PITCHES ARE 6/12
UNLESS OTHERWISE NOTED

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

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

DENOTES
CONV.
FRAMING



DESIGN CONFORMS WITH
OBC 2012
(2019 AMENDMENT)
OCCUPANCY: RESIDENTIAL
PART: 9
Ss = 31.3 psf Sr = 8.4 psf

DESIGN LOADS:
TCSL = 25.6 psf
TCDL = 6.0 psf
BCLL = 0.0 psf
BCDL = 7.4 psf

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) ROOF RAFTERS THAT CROSS MEET OVER
TRUSSES TO BE 2X4 SPF @ 24" O.C. WITH A 2X4 VERT. POST
TO THE TRUSS UNDER NEATH AT EACH CROSS PT. VERT. POST
LONGER THAN 6" TO HAVE LATERAL BRACING SO THAT THE
DISTANCE BETWEEN END PT. & BETWEEN ROWS OF BRACING
DOES NOT EXCEED 8"

M13790

FINAL PLANS CHECKED NO CHANGE FOR TRS. AUG 13/21 S.V.



Job Track: **52166**
Plan Log: **204478**
Layout ID: **417443**

Builder / Location:

GREENPARK HOMES / HAMILTON

Project: **RUSSELL GARDENS PH.4**

Date: **2021-03-22** Sales: **Rick DiClano** Designer: **LC**

Model / Elevation:

SPRINGFIELD 2 / EL.3 (DECK CONDITION + REAR UPGRADE)

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Milek ver 6.4.2.266

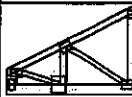
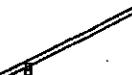
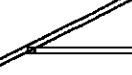
DELIVERY SHIPLIST				
 TAMARACK ROOF TRUSSES INC. ALPHA LUMBER GROUP	Lumber Yard:	TAMARACK LUMBER	Job Track:	52166
	Builder:	GREENPARK HOMES	PlanLog:	204478
	Project:	RUSSELL GARDENS PH.4	Layout ID:	417422
	Location:	HAMILTON	Ref #	
	Model:	SPRINGFIELD 2	Page:	1 of 2
	Lot #:		Date:	03-22-2021
	Elevation:	EL.1	Designer:	Leo Chen
		Sales Rep:	Rick DiCiano	

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 Flat Girder	0 /12	37-06-00	4-01-04	2 x 6		4-01-04 4-01-04	416.51 250.00		
	1 2-ply	T1Z Flat Girder	0 /12	37-06-00	4-01-04	2 x 6		4-01-04 4-01-04	416.51 250.00		
	2	T2 Flat	0 /12	37-06-00	5-01-04	2 x 4 2 x 6		5-01-04 5-01-04	369.7 225.67		
	2	T3 Flat	0 /12	37-06-00	6-01-04	2 x 4 2 x 6		6-01-04 6-01-04	379.94 228.67		
	2	T4 Flat	0 /12	37-06-00	7-01-04	2 x 4 2 x 6		7-01-04 7-01-04	402.12 243.67		
	2	T5 Flat	0 /12	37-06-00	8-01-04	2 x 4 2 x 6		8-01-04 8-01-04	424.82 258.67		
	7	T6 Piggyback Base	0 /12	37-06-00	9-00-00	2 x 4 2 x 6		9-00-00 9-00-00	1698.27 1048.83		
	4	T7G GABLE	6 /12	21-05-00	9-00-00	2 x 4	1-03-08	1-02-00 9-00-00	467.53 296.67		
	1	T8 Hip Girder	8 /12	27-00-00	5-03-13	2 x 4 2 x 6		1-06-02 1-06-02	138.2 88.17		
	1	T9 Hip	8 /12	27-00-00	6-07-13	2 x 4		1-06-02 1-06-02	115.93 74.83		
	2	T10 Common	8 /12	18-11-00	7-08-08	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	173.46 107.33		
	3	T10A Common	8 /12	18-07-00	7-08-08	2 x 4		1-06-02 1-06-02	247.75 157.00		
	3	T10S Roof Special	8 /12 6 /12	18-11-00	7-08-08	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	257.01 171.50		
	1 2-ply	T11 Monopitch Girder	8 /12	5-10-08	5-03-13	2 x 4 2 x 6		1-04-13 5-03-13	65.45 41.33		

 TAMARACK ROOF TRUSSES INC. ALPHA LUMBER GROUP	DELIVERY SHIPLIST	
	Lumber Yard: TAMARACK LUMBER Builder: GREENPARK HOMES Project: RUSSELL GARDENS PH.4 Location: HAMILTON Model: SPRINGFIELD 2 Lot #: Elevation: EL.1	Job Track: 52166 PlanLog: 204478 Layout ID: 417422 Ref # Page: 2 of 2 Date: 03-22-2021 Designer: Leo Chen Sales Rep: Rick DiCiano

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	T12 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	4	PB1G GABLE	6 /12	5-09-00	2-10-08	2 x 4		2-10-08	64.66 44.00		
	19	PB2 Piggyback	6 /12	11-01-00	2-10-08	2 x 4		1-04 1-04	525.37 332.50		
	24	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	403.07 256.00		
	2	J2 Jack-Open	8 /12	5-10-08	5-03-13	2 x 4	1-03-08	1-04-13 5-03-13	38.38 23.33		
	11	J3 Jack-Open	6 /12	5-05-08	3-08-07	2 x 4	1-03-08	4-03 3-00-15	164.96 102.67		
	6	J4 Jack-Open	6 /12	4-05-08	3-02-07	2 x 4	1-03-08	4-03 2-06-15	75.48 48.00		
	1	C1 Jack-Open	8 /12	1-09-07	2-07-02	2 x 4	1-03-08 1-01	1-04-13 2-07-02	9.03 5.67		
	1	C2A Jack-Open	8 /12	1-08-08	3-11-02	2 x 4	1-03-08 1-10-15	1-06-02 2-07-13	11.52 8.33		
	1	C3 Jack-Open	8 /12	1-09-07	2-07-02	2 x 4	1-03-08 4-01-01	1-04-13 2-07-02	13.59 8.33		
	1	C4 Jack-Open	8 /12	3-09-07	3-11-02	2 x 4	1-03-08 2-01-01	1-04-13 3-11-02	16.33 10.33		

TOTAL # TRUSS= 107

TOTAL BFT OF ALL TRUSSES= 4319.83

BFT. TOTAL WEIGHT OF ALL TRSSES 6954.55 LBS

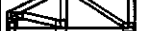
HARDWARE

QTY	TYPE	MODEL	LENGTH
11	Hardware	H2.5T	
2	Hardware	HGUS26-2	
6	Hardware	LJS26DS	

TOTAL NUMBER OF ITEMS= 19

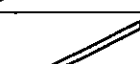
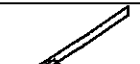
 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	DELIVERY SHIPLIST									
	Lumber Yard:	TAMARACK LUMBER	Job Track:	52166	Builder:	GREENPARK HOMES	PlanLog:	204478	Layout ID:	421219
	Project:	RUSSELL GARDENS PH.4	Ref #		Location:	HAMILTON	Page:	1 of 3	Date:	08-25-2021
	Model:	SPRINGFIELD 2	Designer:	Leo Chen	Lot #:		Sales Rep:	Rick DiCiano		
	Elevation:	EL.1 LOT 562								

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 Flat Girder	0 /12	37-06-00	4-01-04	2 x 6		4-01-04 4-01-04	416.51 250.00		
	1 2-ply	T1Z9 Flat Girder	0 /12	37-06-00	4-01-04	2 x 6		4-01-04 4-01-04	422.45 253.33		
	2	T2 Flat	0 /12	37-06-00	5-01-04	2 x 4 2 x 6		5-01-04 5-01-04	389.7 225.67		
	2	T3 Flat	0 /12	37-06-00	6-01-04	2 x 4 2 x 6		6-01-04 6-01-04	379.94 228.67		
	2	T4 Flat	0 /12	37-06-00	7-01-04	2 x 4 2 x 6		7-01-04 7-01-04	402.12 243.67		
	2	T5 Flat	0 /12	37-06-00	8-01-04	2 x 4 2 x 6		8-01-04 8-01-04	424.82 258.67		
	7	T6 Piggyback Base	0 /12	37-06-00	9-00-00	2 x 4 2 x 6		9-00-00 9-00-00	1698.27 1048.83		
	4	T7G GABLE	6 /12	21-05-00	9-00-00	2 x 4	1-03-08	1-02-00 9-00-00	487.53 296.67		
	1	T8Z Hip Girder	8 /12	27-00-00	5-03-13	2 x 4 2 x 6		1-06-02 1-06-02	137.95 88.17		
	1	T9 Hip	8 /12	27-00-00	6-07-13	2 x 4		1-06-02 1-06-02	115.93 74.83		
	1 2-ply	T11Z9 Monopitch Girder	8 /12	5-10-08	5-03-13	2 x 4 2 x 6		1-04-13 5-03-13	65.45 41.33		
	1 2-ply	T12Z9 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	60.33 39.33		
	2	T351 Common	8 /12	15-06-00	6-06-13	2 x 4	1-03-08	1-04-13 1-04-13	128.74 81.33		
	1	T351A Common	8 /12	15-04-00	6-06-13	2 x 4		1-06-02 1-04-13	82.21 40.00		

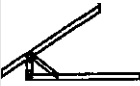
DELIVERY SHIPLIST		
	Lumber Yard:	TAMARACK LUMBER
	Builder:	GREENPARK HOMES
	Project:	RUSSELL GARDENS PH.4
	Location:	HAMILTON
	Model:	SPRINGFIELD 2
	Lot #:	
	Elevation:	EL.1 LOT 562
	Job Track:	52166
	PlanLog:	204478
	Layout ID:	421219
	Ref #	
	Page:	2 of 3
	Date:	08-25-2021
	Designer:	Leo Chen
	Sales Rep:	Rick DiCiano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	3	T351S Roof Special	8 / 12 6 / 12	15-06-00	6-06-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	199.44 134.50		
	1	T352 Hip Girder	8 / 12	18-07-00	5-03-13	2 x 4 2 x 6		1-06-02 1-06-02	98.64 64.50		
	1	T353 Hip	8 / 12	18-07-00	6-03-13	2 x 4		1-06-02 1-06-02	79.04 50.17		
	1 2-ply	T354 Half Hip Girder	8 / 12	5-10-08	3-06-02	2 x 4 2 x 6		1-04-13 3-06-02	60.78 37.33		
	4	PB1G GABLE	6 / 12	5-09-00	2-10-08	2 x 4		2-10-08	64.66 44.00		
	19	PB2 Piggyback	6 / 12	11-01-00	2-10-08	2 x 4		1-04 1-04	525.37 332.50		
	24	J1 Jack-Open	6 / 12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	403.07 258.00		
	2	J2 Jack-Open	8 / 12	5-10-08	5-03-13	2 x 4	1-03-08	1-04-13 5-03-13	38.38 23.33		
	9	J3 Jack-Open	6 / 12	5-05-08	3-08-07	2 x 4	1-03-08	4-03 3-00-15	134.96 84.00		
	6	J4 Jack-Open	6 / 12	4-05-08	3-02-07	2 x 4	1-03-08	4-03 2-06-15	75.48 48.00		
	2	J351 Jack-Open	8 / 12	3-02-00	3-06-02	2 x 4	1-03-08	1-04-13 3-06-02	24.78 16.67		
	2	C1 Jack-Open	8 / 12	1-09-07	2-07-02	2 x 4	1-03-08 1-01	1-04-13 2-07-02	18.05 11.33		
	1	C2A Jack-Open	8 / 12	1-08-08	3-11-02	2 x 4	1-03-08 1-10-15	1-06-02 2-07-13	11.52 8.33		
	1	C3 Jack-Open	8 / 12	1-09-07	2-07-02	2 x 4	1-03-08 4-01-01	1-04-13 2-07-02	13.59 8.33		

DELIVERY SHIPLIST		
 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	Lumber Yard: TAMARACK LUMBER Builder: GREENPARK HOMES Project: RUSSELL GARDENS PH.4 Location: HAMILTON Model: SPRINGFIELD 2 Lot #: Elevation: EL.1 LOT 562	Job Track: 52166 PlanLog: 204478 Layout ID: 421219 Ref # Page: 3 of 3 Date: 08-25-2021 Designer: Leo Chen Sales Rep: Rick DiCiano

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	C4 Jack-Open	8 /12	3-09-07	3-11-02	2 x 4	1-03-08 2-01-01	1-04-13 3-11-02	16.33 10.33		
	1	C351 Jack-Open	8 /12	1-09-07	2-07-02	2 x 4	1-03-08 1-04-09	1-04-13 2-07-02	10.5 7.00		

TOTAL # TRUSS= 111 TOTAL BFT OF ALL TRUSSES= 4306.82 BFT. TOTAL WEIGHT OF ALL TRSSES 6926.54 LBS

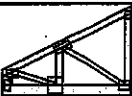
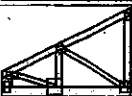
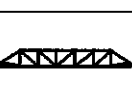
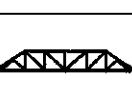
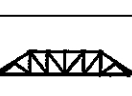
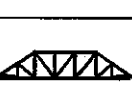
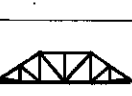
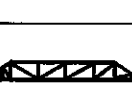
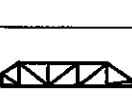
HARDWARE

QTY	TYPE	MODEL	LENGTH
9	Hardware	H2.5T	
3	Hardware	HGUS26-2	
8	Hardware	LJS26DS	

TOTAL NUMBER OF ITEMS= 20

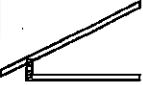
 TAMARACK ROOF TRUSSES INC. ALPHA LUMBER GROUP	DELIVERY SHIPLIST	
	Lumber Yard: TAMARACK LUMBER Builder: GREENPARK HOMES Project: RUSSELL GARDENS PH.4 Location: HAMILTON Model: SPRINGFIELD 2 Lot #: Elevation: EL.2	Job Track: 52166 PlanLog: 204478 Layout ID: 417441 Ref # Page: 1 of 2 Date: 03-22-2021 Designer: Leo Chen Sales Rep: Rick DiCiano

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	T12Z Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	1 2-ply	T12Z2 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	1 2-ply	T15 Hip Girder	8 /12	37-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	414.58 256.00		
	1 2-ply	T15Z Hip Girder	8 /12	37-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	414.58 256.00		
	2	T16 Hip	8 /12	37-10-00	5-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	355.39 217.00		
	2	T17 Hip	8 /12	37-10-00	6-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	371.77 226.67		
	2	T18 Hip	8 /12	37-10-00	7-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	388.4 239.00		
	2	T19 Hip	8 /12	37-10-00	8-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	387.76 237.33		
	5	T20 Hip	8 /12	37-10-00	9-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	983.98 592.50		
	2	T21 Hip	8 /12	37-10-00	10-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	408.58 247.33		
	1	T22 Hip Girder	8 /12	27-07-00	4-01-04	2 x 4 2 x 6	1-03-08	2-08-13 1-04-13	157.03 97.33		
	1	T23 Hip	8 /12	27-07-00	5-01-04	2 x 4	1-03-08	2-08-13 1-04-13	111.37 70.33		
	1	T24 Hip Girder	8 /12	18-11-00	6-04-08	2 x 4 2 x 6	1-03-08 1-03-08	2-08-13 2-08-13	107.46 67.33		
	3	T25 Hip	8 /12	18-11-00	7-08-08	2 x 4	1-03-08 1-03-08	2-08-13 2-08-13	278.53 174.00		

DELIVERY SHIPLIST			
 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	Lumber Yard:	TAMARACK LUMBER	Job Track: 52166
	Builder:	GREENPARK HOMES	PlanLog: 204478
	Project:	RUSSELL GARDENS PH.4	Layout ID: 417441
	Location:	HAMILTON	Ref #
	Model:	SPRINGFIELD 2	Page: 2 of 2
	Lot #:		Date: 03-22-2021
	Elevation:	EL.2	Designer: Leo Chen
			Sales Rep: Rick DiCiano

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	T26 Common	8 /12	10-06-00	4-10-13	2 x 4	1-03-08	1-04-13 1-04-13	42.28 26.83		
	1	T26G GABLE	8 /12	10-06-00	4-10-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	43.58 28.17		
	2	T27 Common	8 /12	10-06-00	6-02-13	2 x 4	1-03-08	2-08-13 2-08-13	94.17 62.00		
	1 2-ply	T28 Monopitch Girder	8 /12	5-05-08	6-04-08	2 x 4		1-04-13 6-04-08	71.56 46.67		
	3	PB11 Piggyback	8 /12	14-08-11	2-00-00	2 x 4			129.85 86.00		
	30	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	503.84 320.00		
	3	J11 Jack-Open	8 /12	5-05-08	6-04-08	2 x 4	1-03-08	1-04-13 6-04-08	84.51 56.50		
	6	J12 Jack-Open	8 /12	4-05-08	4-02-03	2 x 4	1-03-08	4-07 3-04-02	79.11 52.00		
	1	C11 Jack-Open	8 /12	1-09-07	3-11-02	2 x 4	1-03-08 1-01	2-08-13 3-11-02	11.35 7.50		
	1	C12 Jack-Open	8 /12	1-10-08	5-03-02	2 x 4	1-03-08 1-10-15	2-08-13 3-11-13	14.09 9.50		
	1	C13 Jack-Open	8 /12	1-09-07	3-11-02	2 x 4	1-03-08 3-08-01	2-08-13 3-11-02	15.43 10.17		

TOTAL # TRUSS= 80

TOTAL BFT OF ALL TRUSSES= 3462.82

BFT.

TOTAL WEIGHT OF ALL TRSSES 5585.13 LBS

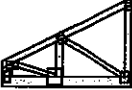
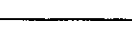
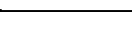
HARDWARE

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

TOTAL NUMBER OF ITEMS= 10

DELIVERY SHIPLIST	
 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	Lumber Yard: TAMARACK LUMBER
	Builder: GREENPARK HOMES
	Project: RUSSELL GARDENS PH.4
	Location: HAMILTON
	Model: SPRINGFIELD 2
	Lot #: Elevation: EL.3
Job Track: 52166 Plan Log: 204478 Layout ID: 417443 Ref # Page: 1 of 3 Date: 03-22-2021 Designer: Leo Chen Sales Rep: Rick DiCiano	

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	T1223 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	1 2-ply	T1224 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	1 2-ply	T1225 Monopitch Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	58.98 38.33		
	1 2-ply	T31 Hip Girder	6 /12	37-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	352.76 220.67		
	1 2-ply	T31Z Hip Girder	6 /12	37-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	352.76 220.67		
	2	T32 Hip	6 /12	37-10-00	5-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	352.41 216.33		
	2	T33 Hip	6 /12	37-10-00	6-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	354.63 216.00		
	2	T34 Hip	6 /12	37-10-00	7-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	352.12 215.00		
	2	T35 Hip	6 /12	37-10-00	8-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	364.92 222.67		
	5	T36 Hip	6 /12	37-10-00	9-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	989.41 591.67		
	2	T37 Hip	6 /12	37-10-00	10-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	389.39 238.67		
	1	T38 Hip Girder	6 /12	28-02-00	4-01-04	2 x 4 2 x 6	1-03-08	1-02-00 1-02-00	154.92 97.00		
	1	T39 Hip	6 /12	28-02-00	5-01-04	2 x 4	1-03-08	1-02-00 1-02-00	111.06 69.83		
	1	T40 Hip Girder	6 /12	12-04-00	4-05-04	2 x 4 2 x 6	1-03-08	2-06-00 2-06-00	63.1 39.87		

DELIVERY SHIPLIST				
 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	Lumber Yard:	TAMARACK LUMBER	Job Track:	52166
	Builder:	GREENPARK HOMES	PlanLog:	204478
	Project:	RUSSELL GARDENS PH.4	Layout ID:	417443
	Location:	HAMILTON	Ref #	
	Model:	SPRINGFIELD 2	Page:	2 of 3
	Lot #:		Date:	03-22-2021
Elevation:	EL.3	Designer:	Leo Chen	
		Sales Rep:	Rick DiCiano	

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	T41 Hip Girder	6/12	18-11-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 2-06-00	90.53 56.87		
	1	T42 Hip	6/12	18-11-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 2-06-00	76.56 49.00		
	1	T43 Hip	6/12	18-11-00	6-01-04	2 x 4	1-03-08	1-02-00 2-06-00	83.38 53.33		
	2	T44 Common	6/12	18-11-00	6-06-12	2 x 4	1-03-08	1-02-00 2-06-00	156.79 101.00		
	3	PB31 Piggyback	6/12	6-01-00	1-06-04	2 x 4			37.36 26.00		
	19	J1 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	319.1 202.67		
	4	J31 Jack-Open	6/12	3-10-08	4-05-04	2 x 4	1-03-08	1-02-00 4-05-04	78.98 54.00		
	5	C31 Jack-Open	6/12	1-09-07	2-00-12	2 x 4	1-03-08 1-01	1-02-00 2-00-12	35.1 23.33		
	5	C32 Jack-Open	6/12	1-10-08	3-00-12	2 x 4	1-03-08 1-10-15	1-02-00 2-01-04	47.85 30.00		
	5	C33 Jack-Open	6/12	1-09-07	2-00-12	2 x 4	1-03-08 4-01-01	1-02-00 2-00-12	57.91 36.67		
	5	C34 Jack-Open	6/12	3-09-07	3-00-12	2 x 4	1-03-08 2-01-01	1-02-00 3-00-12	70.66 43.33		
	2	C35 Jack-Open	6/12	1-10-08	3-04-12	2 x 4	1-03-08	2-06-00 3-05-04	21.03 15.00		
	2	C36 Jack-Open	6/12	1-09-07	3-04-12	2 x 4	1-03-08 2-01-01	2-06-00 3-04-12	25.59 17.67		

TOTAL # TRUSS= 83

TOTAL BFT OF ALL TRUSSES= 3171.84

BFT.

TOTAL WEIGHT OF ALL TRSSES 5095.23 LBS

DELIVERY SHIPLIST		
	Lumber Yard: TAMARACK LUMBER	Job Track: 52166
	Builder: GREENPARK HOMES	PlanLog: 204478
	Project: RUSSELL GARDENS PH.4	Layout ID: 417443
	Location: HAMILTON	Ref #: 3 of 3
	Model: SPRINGFIELD 2	Date: 03-22-2021
	Lot #:	Designer: Leo Chen
	Elevation: EL.3	Sales Rep: Rick DiCiano

HARDWARE

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

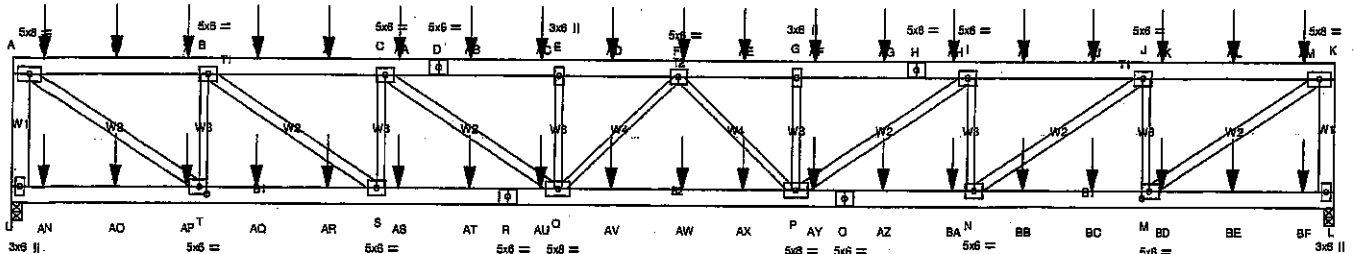
TOTAL NUMBER OF ITEMS= 11

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:17:08 2021 Page 1
ID:GV6EnpZB3IFFw?AU1oPMDzZmnp-SU8fL233m6PXLtn_cYlooUeFAqRIT6QqW6Yr82zZ6av

0-0 10-12 4-5-10 5-4-6 5-0-2 10-4-6 10-5-12 5-5-12 15-11-8 18-9-0 21-6-8 5-5-12 27-0-4 27-1-8 5-0-2 32-1-10 4-5-10 36-7-4 37-0-8 37-8-0
10-12 4-5-10 5-4-6 5-0-2 10-4-6 10-5-12 5-5-12 15-11-8 18-9-0 21-6-8 5-5-12 27-0-4 27-1-8 5-0-2 32-1-10 4-5-10 36-7-4 37-0-8 37-8-0
Scale = 1:500



0-0 10-12 4-5-10 5-4-6 5-0-2 10-4-6 10-5-12 5-5-12 15-11-8 18-9-0 21-6-8 5-5-12 27-0-4 27-1-8 5-0-2 32-1-10 4-5-10 36-7-4 37-0-8 37-8-0
10-12 4-5-10 5-4-6 5-0-2 10-4-6 10-5-12 5-5-12 15-11-8 18-9-0 21-6-8 5-5-12 27-0-4 27-1-8 5-0-2 32-1-10 4-5-10 36-7-4 37-0-8 37-8-0
TOTAL WEIGHT = 2 X 208 = 417 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
U - A	2x6	DRY No.2	SPF
A - D	2x6	DRY No.2	SPF
D - H	2x6	DRY No.2	SPF
H - K	2x6	DRY No.2	SPF
L - K	2x6	DRY No.2	SPF
U - R	2x6	DRY No.2	SPF
R - O	2x6	DRY No.2	SPF
O - L	2x6	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
EXCEPT			
B - S	2x4	DRY No.2	SPF
A - T	2x4	DRY No.2	SPF
M - K	2x4	DRY No.2	SPF
N - J	2x4	DRY No.2	SPF
P - I	2x4	DRY No.2	SPF
C - Q	2x4	DRY No.2	SPF

DRY, SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
U-A	2 12	TOP
A-D	2 12	SIDE(0.0)
D-H	2 12	SIDE(0.0)
H-K	2 12	SIDE(0.0)
K-L	2 12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
U-R	2 12	SIDE(0.0)
R-O	2 12	SIDE(0.0)
O-L	2 12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	1 6	
2x4	1 6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
U	3373	0	0	3373	0	3-8	3-8	3-8	3-8
L	3373	0	0	3373	0	3-8	3-8	3-8	3-8

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	2389	1547.0	0.0	0.0	0.0	842.0	0.0
L	2389	1547.0	0.0	0.0	0.0	842.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.03 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		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FACTORED	VERT. FORCE	FACTORED	MEMB.	MAX. FACTORED	VERT. FORCE	FACTORED
FR-TO				FR-TO			
U-A	-3292.0	0.0	0.0 0.24 (1)	U-A	-1775.0	0.21 (1)	0.21 (1)
A-V	-4346.0	-91.8	-91.8 0.18 (1)	A-V	-1778.0	0.21 (1)	0.21 (1)
V-W	-4346.0	-91.8	-91.8 0.18 (1)	V-W	0/3250	0.29 (1)	0.29 (1)
W-X	-4346.0	-91.8	-91.8 0.18 (1)	W-X	0/5255	0.46 (1)	0.46 (1)
X-B	-4346.0	-91.8	-91.8 0.18 (1)	X-B	-2769.0	0.33 (1)	0.33 (1)
B-Y	-6974.0	-91.8	-91.8 0.23 (1)	B-Y	0/5255	0.46 (1)	0.46 (1)
Y-Z	-6974.0	-91.8	-91.8 0.23 (1)	Y-Z	-2769.0	0.29 (1)	0.29 (1)
Z-C	-6974.0	-91.8	-91.8 0.23 (1)	Z-C	0/1785	0.16 (1)	0.16 (1)
C-AA	-8417.0	-91.8	-91.8 0.26 (1)	C-AA	0/1785	0.09 (1)	0.09 (1)
AA-D	-8417.0	-91.8	-91.8 0.26 (1)	AA-D	-831.0	0.08 (1)	0.08 (1)
D-AB	-8417.0	-91.8	-91.8 0.26 (1)	D-AB	-305.0	0.06 (1)	0.06 (1)
AB-AC	-8417.0	-91.8	-91.8 0.26 (1)	AB-AC	-304.0	0.06 (1)	0.06 (1)
AC-E	-8417.0	-91.8	-91.8 0.26 (1)	AC-E			
E-AD	-8417.0	-91.8	-91.8 0.18 (1)	E-AD			
AD-F	-8417.0	-91.8	-91.8 0.18 (1)	AD-F			
F-AE	-8418.0	-91.8	-91.8 0.18 (1)	F-AE			
AE-G	-8418.0	-91.8	-91.8 0.18 (1)	AE-G			
G-AF	-8418.0	-91.8	-91.8 0.26 (1)	G-AF			
AF-AG	-8418.0	-91.8	-91.8 0.26 (1)	AF-AG			
AG-H	-8418.0	-91.8	-91.8 0.26 (1)	AG-H			
H-AH	-8418.0	-91.8	-91.8 0.26 (1)	H-AH			
AH-I	-8418.0	-91.8	-91.8 0.26 (1)	AH-I			
IAI	-6974.0	-91.8	-91.8 0.23 (1)	IAI			
IAJ	-6974.0	-91.8	-91.8 0.23 (1)	IAJ			
AJ-J	-6974.0	-91.8	-91.8 0.23 (1)	AJ-J			
J-AK	-4346.0	-91.8	-91.8 0.18 (1)	J-AK			
AK-AL	-4346.0	-91.8	-91.8 0.18 (1)	AK-AL			
AL-AM	-4346.0	-91.8	-91.8 0.18 (1)	AL-AM			
AM-K	-4346.0	-91.8	-91.8 0.18 (1)	AM-K			
L-K	-3292.0	0.0	0.0 0.24 (1)	L-K			

U-AN	0.0	-18.5	-18.5 0.05 (4)	10.00
AN-AO	0.0	-18.5	-18.5 0.05 (4)	10.00
AO-AP	0.0	-18.5	-18.5 0.05 (4)	10.00
AP-T	0.0	-18.5	-18.5 0.05 (4)	10.00
T-AQ	0/4346	-18.5	-18.5 0.32 (1)	10.00
AQ-AR	0/4346	-18.5	-18.5 0.32 (1)	10.00
AR-S	0/4346	-18.5	-18.5 0.32 (1)	10.00
S-AS	0/6974	-18.5	-18.5 0.50 (1)	10.00
AS-AT	0/6974	-18.5	-18.5 0.50 (1)	10.00
AT-R	0/6974	-18.5	-18.5 0.50 (1)	10.00
R-AU	0/6974	-18.5	-18.5 0.50 (1)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2015
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.23")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.44")

CSI: TC=0.28/1.00 (B-I:1), BC=0.63/1.00 (P-Q:1),
WB=0.46/1.00 (K-M:1), SS=0.16/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSD) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (M) (INPUT = 0.90)
JSI METAL = 0.63 (R) (INPUT = 1.00)



Structural component only
DWG# T-2108086 1/2

CONTINUED ON PAGE 2

JOB NAME 417422	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:17:08 2021 Page 2 ID:GV6EnpZB3lFFw7AU1oPMODzZmnp-SU8fL233m6PXLtn cYl0oUeFAqRT8QqW6Yr82zZ6av	

PLATES (table is in inches)							LOADING							
							TOTAL LOAD CASES: (4)							
JT	TYPE	PLATES	W	LEN	Y	X	CHORDS				WEBS			
							MAX. FACTORED	FACTORED			MAX. FACTORED			
							MEMB.	FORCE	VERT. LOAD	LC1	MAX.	MEMB.	FORCE	MAX.
							(LBS)	(PLF)	CSI (LC)	UNBRAC				
							FROM TO		LENGTH FR-TO					
A	TMVW-t	MT20	5.0	6.0			AU-Q	0 / 6974	-18.5	-18.5	0.50 (1)	10.00		
B, C, F, I, J							Q-AV	0 / 8624	-18.5	-18.5	0.63 (1)	10.00		
B	TMVW-t	MT20	5.0	6.0			AV-AW	0 / 8624	-18.5	-18.5	0.63 (1)	10.00		
D	TS-t	MT20	5.0	6.0			AW-AX	0 / 8624	-18.5	-18.5	0.63 (1)	10.00		
E	TMVW-w	MT20	3.0	6.0			AX-P	0 / 8624	-18.5	-18.5	0.63 (1)	10.00		
G	TMVW-w	MT20	3.0	6.0			P-AY	0 / 6974	-18.5	-18.5	0.50 (1)	10.00		
H	TS-t	MT20	5.0	6.0			AY-O	0 / 6974	-18.5	-18.5	0.50 (1)	10.00		
K	TMVW-t	MT20	5.0	6.0			O-AZ	0 / 8674	-18.5	-18.5	0.50 (1)	10.00		
L	BMV1+p	MT20	3.0	6.0			AZ-BA	0 / 6974	-18.5	-18.5	0.50 (1)	10.00		
M	BMVW-t	MT20	5.0	6.0	2.50	2.50	BA-N	0 / 6974	-18.5	-18.5	0.50 (1)	10.00		
N	BMVW-t	MT20	5.0	6.0			N-BB	0 / 4346	-18.5	-18.5	0.32 (1)	10.00		
O	BS-t	MT20	5.0	6.0			BB-BC	0 / 4346	-18.5	-18.5	0.32 (1)	10.00		
P	BMVWVW-t	MT20	5.0	6.0			BC-M	0 / 4346	-18.5	-18.5	0.32 (1)	10.00		
Q	BMVWVW-t	MT20	5.0	6.0			M-BD	0 / 0	-18.5	-18.5	0.05 (4)	10.00		
R	BS-t	MT20	5.0	6.0			BD-BE	0 / 0	-18.5	-18.5	0.05 (4)	10.00		
S	BMVW-t	MT20	5.0	6.0			BE-BF	0 / 0	-18.5	-18.5	0.05 (4)	10.00		
T	BMVW-t	MT20	5.0	6.0	2.50	2.50	BF-L	0 / 0	-18.5	-18.5	0.05 (4)	10.00		
U	BMV1+p	MT20	3.0	6.0										
NOTES- (1)														

NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

SPECIFIED CONCENTRATED LOADS (LBS)											
JT	LOC.	LC1	MAX-	MAX+	FACE	DIRL	TYPE	HEEL	CONN.		
F	18-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
V	10-12	-79	-79	---	FRONT	VERT	TOTAL	---	C1		
W	2-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
X	4-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
Y	6-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
Z	8-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AA	10-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AB	12-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AC	14-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AD	16-10-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AE	20-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AF	22-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AG	24-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AH	26-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AI	28-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AJ	30-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AK	32-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AL	34-7-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1		
AM	36-7-4	-79	-79	---	FRONT	VERT	TOTAL	---	C1		
AN	10-12	-22	-22	---	FRONT	VERT	TOTAL	---	C1		
AO	2-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AP	4-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AQ	6-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AR	8-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AS	10-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AT	12-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AU	14-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AV	16-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AW	18-10-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AX	20-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AY	22-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
AZ	24-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BA	26-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BB	28-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BC	30-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BD	32-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BE	34-7-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1		
BF	36-7-4	-22	-22	---	FRONT	VERT	TOTAL	---	C1		

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

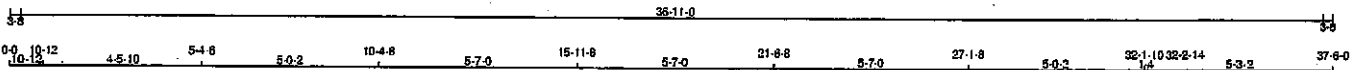
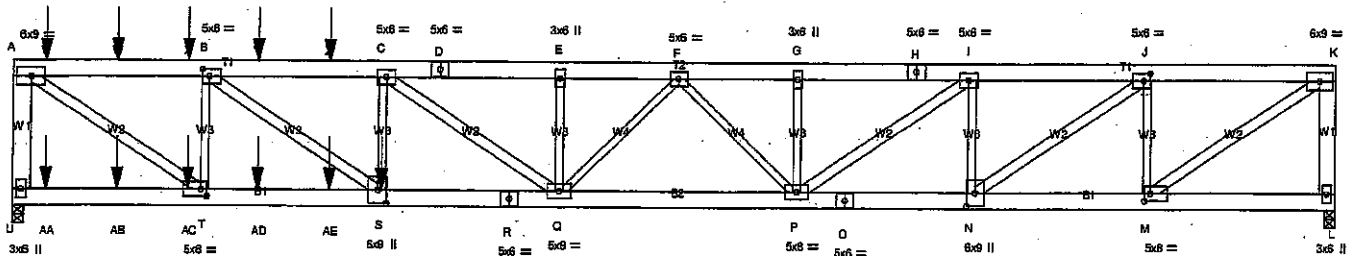
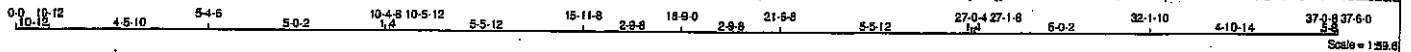


Structural component only
DWG# T-2108086

JOB NAME 417422	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.430 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:17:09 2021 Page 1
ID:GV6EnpZB3IFFw7AU1oPMODzZmnp-wg12YO4hXQXOz1MAAFp1KhB08EK6CWvzmiPhUzZ6au



TOTAL WEIGHT = 2 X 208 = 417 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
U - A	2x6	DRY	No.2
A - D	2x6	DRY	No.2
D - H	2x6	DRY	No.2
H - K	2x6	DRY	No.2
L - K	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
B - S	2x4	DRY	No.2
A - T	2x4	DRY	No.2
M - K	2x4	DRY	No.2
N - J	2x4	DRY	No.2
P - I	2x4	DRY	No.2
C - Q	2x4	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		TOP
U-A	2	12
A-D	2	12
D-H	2	12
H-K	2	12
K-L	2	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		TOP
U-R	2	12
R-O	2	12
O-L	2	12
WEBS : (0.122"x3") SPIRAL NAILS		TOP
C-S	1	2
2x3	1	2
T-B	1	6
M-J	1	6
P-G	1	6
Q-E	1	6
O-F	1	6
P-P	1	6
2x4	1	6

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS	REACTION	DOWN	HORIZ	UP/LIFT	IN-SX	IN-SX	BRG
U	4895	0	4895	0	0	3-8	3-8	3-8	3-8
L	3008	0	3008	0	0	3-8	3-8	3-8	3-8

UNFACTORED REACTIONS		1ST CASE		MAX. MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
U	3459	2281 / 0	0 / 0	0 / 0	0 / 0
L	2126	1402 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.46 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	FACTORED	MAX. UNBRACED	WEBS	MAX. FACTORED	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 (LBS)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
U-A	-4816 / 0	0.0	0.0	0.35 (1)	S-C	-255 / 0	0.03 (1)
A-V	-6895 / 0	-91.8	-91.8	0.23 (1)	N-I	-2025 / 0	0.24 (1)
V-W	-6895 / 0	-91.8	-91.8	0.23 (1)	B-S	0 / 5707	0.50 (1)
W-X	-6895 / 0	-91.8	-91.8	0.23 (1)	A-T	0 / 7962	0.70 (1)
X-B	-6895 / 0	-91.8	-91.8	0.23 (1)	T-B	-4248 / 0	0.51 (1)
B-Y	-11200 / 0	-91.8	-91.8	0.37 (1)	M-K	0 / 4894	0.43 (1)
Y-Z	-11200 / 0	-91.8	-91.8	0.37 (1)	N-J	0 / 3586	0.32 (1)
Z-C	-11200 / 0	-91.8	-91.8	0.37 (1)	M-J	-2644 / 0	0.32 (1)
C-D	-10858 / 0	-91.8	-91.8	0.33 (1)	P-I	0 / 2878	0.24 (1)
D-E	-10858 / 0	-91.8	-91.8	0.33 (1)	C-Q	-423 / 0	0.10 (1)
E-F	-10858 / 0	-91.8	-91.8	0.28 (1)	P-G	-398 / 0	0.05 (1)
F-G	-9112 / 0	-91.8	-91.8	0.20 (1)	Q-E	-410 / 0	0.05 (1)
G-H	-9112 / 0	-91.8	-91.8	0.24 (1)	Q-F	0 / 1108	0.14 (1)
H-I	-9112 / 0	-91.8	-91.8	0.24 (1)	F-P	-1468 / 0	0.30 (1)
I-J	-8947 / 0	-91.8	-91.8	0.17 (1)			
J-K	-4048 / 0	-91.8	-91.8	0.12 (1)			
L-K	-2959 / 0	0.0	0.0	0.22 (1)			

U-AA	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AA-AB	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AB-AC	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AC-T	0 / 0	-18.5	-18.5	0.05 (4)	10.00
T-AD	0 / 6585	-18.5	-18.5	0.51 (1)	10.00
AD-AE	0 / 6585	-18.5	-18.5	0.51 (1)	10.00
AE-S	0 / 6585	-18.5	-18.5	0.51 (1)	10.00
S-R	0 / 11200	-18.5	-18.5	0.81 (1)	10.00
R-Q	0 / 11200	-18.5	-18.5	0.81 (1)	10.00
Q-P	0 / 10107	-18.5	-18.5	0.71 (1)	10.00
P-O	0 / 6947	-18.5	-18.5	0.49 (1)	10.00
O-N	0 / 6947	-18.5	-18.5	0.49 (1)	10.00
N-M	0 / 4048	-18.5	-18.5	0.29 (1)	10.00
M-L	0 / 0	-18.5	-18.5	0.03 (4)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
S	10-4-8	-2172	-79	-79	---	BACK	VERT	---	C1
V	10-12	-79	-79	-79	---	BACK	VERT	---	C1
W	2-10-12	-79	-79	-79	---	BACK	VERT	---	C1
X	4-10-12	-79	-79	-79	---	BACK	VERT	---	C1
Y	6-10-12	-79	-79	-79	---	BACK	VERT	---	C1
Z	8-10-12	-79	-79	-79	---	BACK	VERT	---	C1
AA	10-12	-22	-22	-22	---	BACK	VERT	---	C1

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.9 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA D86-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.25")
CALCULATED VERT. DEFL. (LL) = L/999 (0.28")
ALLOWABLE DEFL. (TL) = L/360 (1.25")
CALCULATED VERT. DEFL. (TL) = L/861 (0.52")

CSI: TC=0.37/1.00 (B-C-1), BC=0.81/1.00 (O-S-1), WB=0.70/1.00 (A-T-1), SS=0.18/1.00 (A-B-1)

DOL LUMBER=1.00 NAIL=1.00 L.S. 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	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.90 (R) (INPUT = 0.90)

JSI METAL = 1.00 (R) (INPUT = 1.00)



Structural component only
DWG# T-2108087 1/2

CONTINUED ON PAGE 2

JOB NAME 417422	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:17:09 2021 Page 2 ID:GV6E9pZB3IFFw7AU1oPMDzZmnp-wqI2YO4hXQXOz1MAAFp1KhBO8EK6CWvzmIPhUzZ8au		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	6.0	9.0		
B	TMWW-t	MT20	5.0	6.0	2.50	2.25
C, F, I						
C	TMWW-t	MT20	5.0	8.0		
D	TS-t	MT20	5.0	6.0		
E	TMW-w	MT20	3.0	6.0		
G	TMW-w	MT20	3.0	6.0		
H	TS-t	MT20	5.0	6.0		
J	TMWW-t	MT20	5.0	6.0	2.50	2.25
K	TMVW-t	MT20	6.0	9.0		
L	BMV1-p	MT20	3.0	6.0		
M	BMWW-t	MT20	5.0	8.0	2.50	2.00
N	BMWW-t	MT20	6.0	9.0	4.50	2.75
O	BS-t	MT20	5.0	8.0		
P	BMWWW-t	MT20	5.0	8.0		
Q	BMWWW-t	MT20	5.0	8.0		
R	BS-t	MT20	5.0	6.0		
S	BMWW-t	MT20	6.0	9.0	4.50	2.75
T	BMWW-t	MT20	5.0	8.0	2.50	2.00
U	BMV1-p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AB	2-10-12	-21	-21	--	BACK	VERT	TOTAL	--	C1
AC	4-10-12	-21	-21	--	BACK	VERT	TOTAL	--	C1
AD	6-10-12	-21	-21	--	BACK	VERT	TOTAL	--	C1
AE	8-10-12	-21	-21	--	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108087 *ML*

JOB NAME 421219	TRUSS NAME T1Z9	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

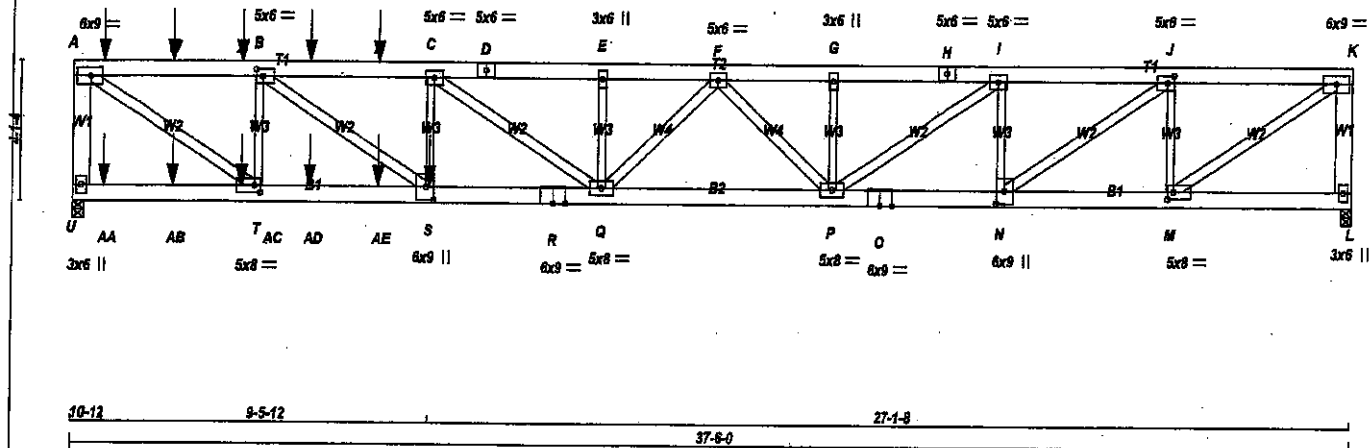
Tamarack Roof Truss, Burlington

Version 8.420 5 Jan 21 2021 Mitek Industries, Inc. Tue Aug 24 17:17:28 2021 Page 1
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10-12

36-7-4

Scale = 1:51.6



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
U - A	2x6	DRY	No.2
A - D	2x6	DRY	No.2
D - H	2x6	DRY	No.2
H - K	2x6	DRY	No.2
L - K	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2
ALL WEBS EXCEPT	2x4	DRY	No.2
S - C	2x3	DRY	No.2
N - I	2x3	DRY	No.2
T - B	2x3	DRY	No.2
M - J	2x3	DRY	No.2
P - G	2x3	DRY	No.2
Q - E	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		
U - A	2	12
A - D	2	12
D - H	2	12
H - K	2	12
K - L	2	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
U - R	2	12
R - O	2	12
O - L	2	12
WEBS : (0.122"x3") SPIRAL NAILS		
C - S	1	2
2x3	1	2
T - B	1	6
M - J	1	6
P - G	1	6
Q - E	1	6
2x4	1	6

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	UPLIFT	BRG	IN-SX	BRG
U	4914	0	0	4914	0	0	3-8	3-8	
L	3016	0	0	3016	0	0	3-8	3-8	

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS								
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
U	3473	2291 / 0	0 / 0	0 / 0	0 / 0	1182 / 0	0 / 0		
L	2132	1405 / 0	0 / 0	0 / 0	0 / 0	726 / 0	0 / 0		

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.45 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
U-A	-4836 / 0	0.0	0.0 0.35 (1)	S-C	-250 / 0	0.03 (1)	
A-V	-8614 / 0	-91.8	-91.8 0.23 (1)	N-I	-2030 / 0	0.24 (1)	
V-W	-8614 / 0	-91.8	-91.8 0.23 (1)	B-S	0 / 5737	0.51 (1)	
W-X	-8614 / 0	-91.8	-91.8 0.23 (1)	A-T	0 / 7797	0.71 (1)	
X-B	-8614 / 0	-91.8	-91.8 0.23 (1)	T-B	-4266 / 0	0.51 (1)	
B-Y	-11253 / 0	-91.8	-91.8 0.37 (1)	M-K	0 / 4908	0.43 (1)	
Y-Z	-11253 / 0	-91.8	-91.8 0.37 (1)	N-J	0 / 3601	0.32 (1)	
Z-C	-11253 / 0	-91.8	-91.8 0.37 (1)	M-J	-2652 / 0	0.32 (1)	
C-D	-10907 / 0	-91.8	-91.8 0.33 (1)	P-I	0 / 2680	0.24 (1)	
D-E	-10907 / 0	-91.8	-91.8 0.33 (1)	C-Q	-427 / 0	0.10 (1)	
E-F	-10907 / 0	-91.8	-91.8 0.26 (1)	F-Q	-390 / 0	0.05 (1)	
F-G	-9137 / 0	-91.8	-91.8 0.20 (1)	Q-E	-413 / 0	0.05 (1)	
G-H	-9137 / 0	-91.8	-91.8 0.25 (1)	Q-F	0 / 1124	0.10 (1)	
H-I	-9137 / 0	-91.8	-91.8 0.25 (1)	F-P	-1488 / 0	0.22 (1)	
I-J	-8956 / 0	-91.8	-91.8 0.17 (1)				
J-K	-4058 / 0	-91.8	-91.8 0.12 (1)				
K-L	-2987 / 0	0.0	0.0 0.22 (1)				

U-AA	0 / 0	-18.5	-18.5 0.05 (4)	10.00
AA-AB	0 / 0	-18.5	-18.5 0.05 (4)	10.00
AB-AC	0 / 0	-18.5	-18.5 0.05 (4)	10.00
AC-T	0 / 0	-18.5	-18.5 0.05 (4)	10.00
T-AD	0 / 6614	-18.5	-18.5 0.52 (1)	10.00
AD-AE	0 / 6614	-18.5	-18.5 0.52 (1)	10.00
AE-S	0 / 6614	-18.5	-18.5 0.52 (1)	10.00
S-R	0 / 11253	-18.5	-18.5 0.82 (1)	10.00
R-Q	0 / 11253	-18.5	-18.5 0.82 (1)	10.00
Q-P	0 / 10145	-18.5	-18.5 0.71 (1)	10.00
P-O	0 / 6969	-18.5	-18.5 0.50 (1)	10.00
O-N	0 / 6969	-18.5	-18.5 0.50 (1)	10.00
N-M	0 / 4058	-18.5	-18.5 0.29 (1)	10.00
M-L	0 / 0	-18.5	-18.5 0.03 (4)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
S	10-4-8	-2191	-2191		BACK	VERT	TOTAL		C1
V	10-12	-79	-79		BACK	VERT	TOTAL		C1
W	2-10-12	-76	-76		BACK	VERT	TOTAL		C1
X	4-10-12	-76	-76		BACK	VERT	TOTAL		C1
Y	6-10-12	-76	-76		BACK	VERT	TOTAL		C1
Z	8-10-12	-76	-76		BACK	VERT	TOTAL		C1
AA	10-12	-22	-22		BACK	VERT	TOTAL		C1

TOTAL WEIGHT = 2 X 211 = 422 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 25.8	PSF
	DL	= 8.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.4	PSF
TOTAL LOAD		= 39.0	PSF

SPACING = 24.0 IN. G.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 8 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.28")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/859 (0.52")

CSI: TC=0.37/1.00 (B-C:1), BC=0.82/1.00 (Q-S:1), WB=0.71/1.00 (A-T:1), SSI=0.16/1.00 (A-B: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

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

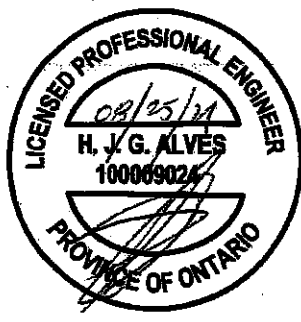
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	650	371	1747
		788	1987
		1873	

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.90 (T) (INPUT = 0.90)
JSI METAL = 0.93 (R) (INPUT = 1.00)



Structural component only
DWG# T-2129737

CONTINUED ON PAGE 2

JOB NAME 421219	TRUSS NAME T129	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Aug 24 17:17:28 2021 Page 2 ID:GV8EnpZB3IFFw?AU1oPMODzZmnp-2BQKfg ChEq7PoZq9naUbKC3YSzN2EITBSCnykaml		

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	6.0	9.0		
B	TMVW-1	MT20	5.0	6.0	2.50	2.25
C, F, I						
C	TMVW-1	MT20	5.0	6.0		
D	TS-1	MT20	5.0	6.0		
E	TMVW-1	MT20	3.0	6.0		
G	TMVW-1	MT20	3.0	6.0		
H	TS-1	MT20	5.0	6.0		
J	TMVW-1	MT20	5.0	6.0	2.50	2.25
K	TMVW-1	MT20	6.0	9.0		
L	BMV1-p	MT20	3.0	6.0		
M	BMVW-1	MT20	5.0	6.0	2.50	2.00
N	BMVW-1	MT20	6.0	9.0	4.50	2.75
O	BS-1	MT20	6.0	9.0		
P	BMVW-1	MT20	5.0	6.0		
Q	BMVW-1	MT20	5.0	6.0		
R	BS-1	MT20	6.0	9.0		
S	BMVW-1	MT20	6.0	9.0	4.50	2.75
T	BMVW-1	MT20	5.0	6.0	2.50	2.00
U	BMV1-p	MT20	3.0	6.0		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AB	2-10-12	-21	-21	—	BACK	VERT	TOTAL	—	C1
AC	4-10-12	-21	-21	—	BACK	VERT	TOTAL	—	C1
AD	6-10-12	-21	-21	—	BACK	VERT	TOTAL	—	C1
AE	8-10-12	-21	-21	—	BACK	VERT	TOTAL	—	C1

CONNECTION REQUIREMENTS

- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

NOTES- (1)

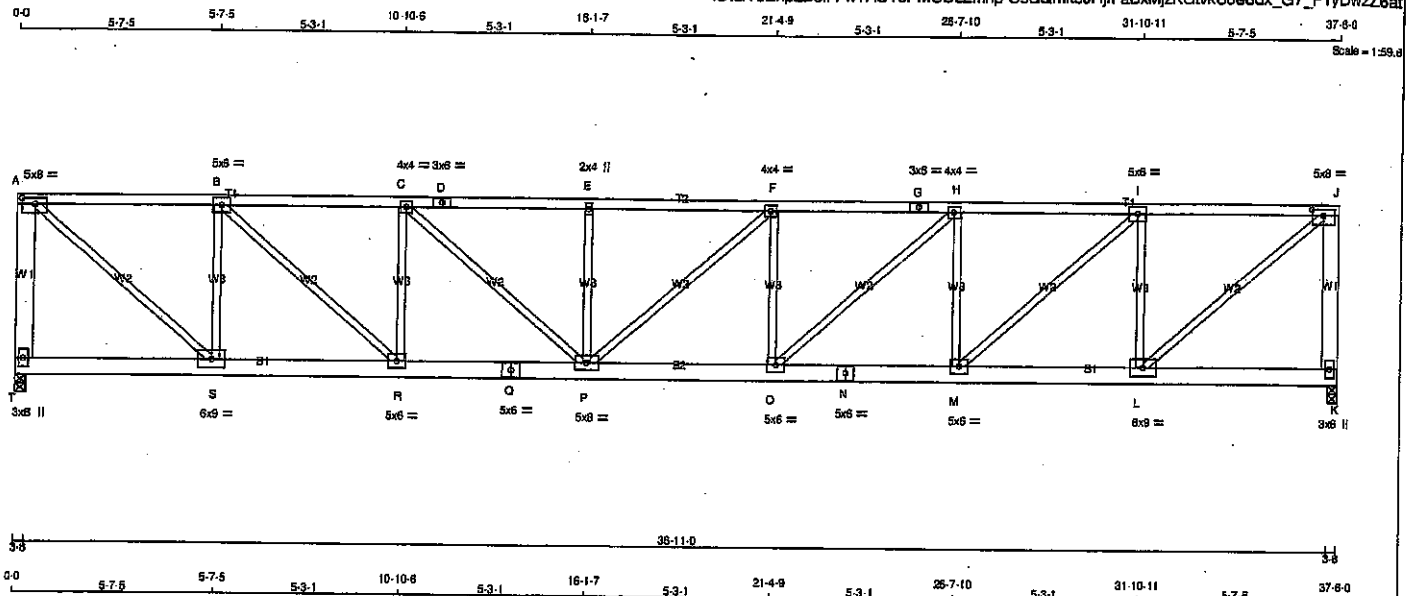
- 1) Lateral braces to be a minimum of 2X4 SPF #2.



Structural component only
DWG# T-2129737

JOB NAME 417422	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:17:10 2021 Page 1
ID:GV6EnpZB3IFFw?AU1oPMODzZmnp-OsGQmk5JHjFbXmJzKGtKJ6a8dx_G7_P1yDwzZ6at



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
T - A	2x6	DRY	No.2	SPF	
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
G - J	2x4	DRY	No.2	SPF	
K - J	2x6	DRY	No.2	SPF	
T - Q	2x6	DRY	No.2	SPF	
Q - N	2x6	DRY	No.2	SPF	
N - K	2x6	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-I	MT20	5.0	8.0	2.00	4.00
B	TMVW-I	MT20	5.0	8.0		
C, F, H						
C	TMVW-I	MT20	4.0	4.0		
D	TS-I	MT20	3.0	6.0		
E	TMVW-w	MT20	2.0	4.0		
G	TS-I	MT20	3.0	6.0		
I	TMVW-I	MT20	5.0	8.0		
J	TMVW-I	MT20	5.0	8.0	2.00	4.00
K	BMV1-p	MT20	3.0	6.0		
L	BMVW-I	MT20	6.0	9.0		
M, O, R						
M	BMVW-I	MT20	5.0	8.0		
N	BS-I	MT20	5.0	8.0		
P	BMVW-w	MT20	5.0	8.0		
Q	BS-I	MT20	5.0	8.0		
S	BMVW-I	MT20	6.0	9.0		
T	BMV1-p	MT20	3.0	6.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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
T	2067	0	2067	0
K	2067	0	2067	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
T	1462	959	0	0/0	0/0	0/0	503/0	0/0
K	1462	959	0	0/0	0/0	0/0	503/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORIZ. LOAD (PLF)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED HORIZ. LOAD (PLF)
FR-TO						FR-TO			
T-A	-2018/0	0.0	0.0	0.52 (1)	7.11	L-J	0/2812	0.63 (1)	
A-B	-2150/0	-91.8	-91.8	0.53 (1)	4.10	A-S	0/2811	0.63 (1)	
B-C	-3410/0	-91.8	-91.8	0.88 (1)	3.22	L-I	-1700/0	0.61 (1)	
C-D	-4051/0	-91.8	-91.8	0.84 (1)	3.08	S-B	-1702/0	0.61 (1)	
D-E	-4051/0	-91.8	-91.8	0.84 (1)	3.08	M-I	0/1692	0.38 (1)	
E-F	-4051/0	-91.8	-91.8	0.85 (1)	3.06	B-R	0/1696	0.38 (1)	
F-G	-4059/0	-91.8	-91.8	0.85 (1)	3.06	M-H	-1043/0	0.37 (1)	
G-H	-4059/0	-91.8	-91.8	0.85 (1)	3.06	R-C	-1036/0	0.37 (1)	
H-I	-3408/0	-91.8	-91.8	0.88 (1)	3.22	O-H	0/876	0.20 (1)	
I-J	-2150/0	-91.8	-91.8	0.53 (1)	4.10	C-P	0/862	0.19 (1)	
K-J	-2020/0	0.0	0.0	0.52 (1)	7.11	O-F	-481/0	0.17 (1)	
T-S	0/0	-18.5	-18.5	0.06 (4)	10.00	P-E	-484/0	0.17 (1)	
S-R	0/2150	-18.5	-18.5	0.29 (1)	10.00	P-F	-11/0	0.01 (1)	
R-Q	0/3410	-18.5	-18.5	0.46 (1)	10.00				
Q-P	0/3410	-18.5	-18.5	0.46 (1)	10.00				
P-O	0/4059	-18.5	-18.5	0.54 (1)	10.00				
O-N	0/3408	-18.5	-18.5	0.45 (1)	10.00				
N-M	0/3408	-18.5	-18.5	0.45 (1)	10.00				
M-L	0/2150	-18.5	-18.5	0.29 (1)	10.00				
L-K	0/0	-18.5	-18.5	0.06 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2018
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPK 2014

(55% OF 31.3 P.S.F. O.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/989 (0.26")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/928 (0.48")

CSI: TC=0.68/1.00 (H-I), BC=0.54/1.00 (O-P), WB=0.63/1.00 (J-L), SS=0.24/1.00 (I-J)

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.

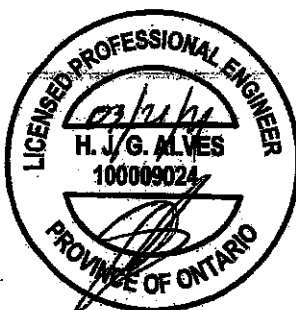
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (J) (INPUT = 0.90)
JSI METAL = 0.65 (Q) (INPUT = 1.00)

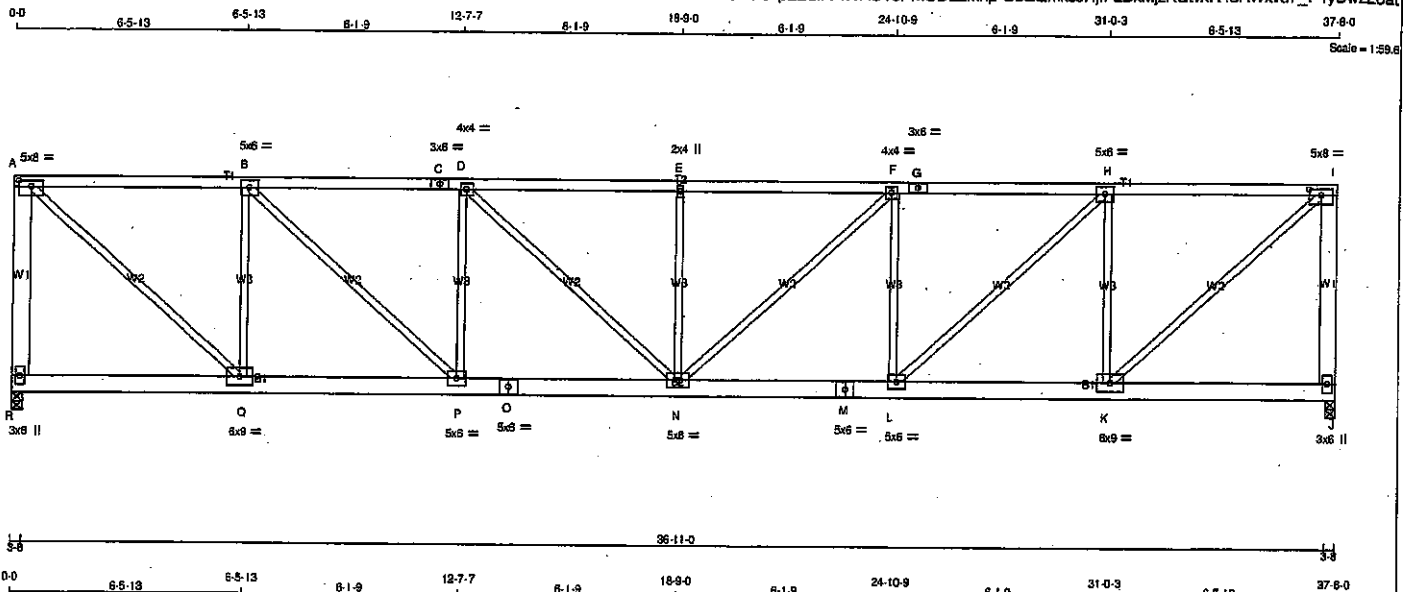


Structural component only
DWG# T-2108088

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T3	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:GV6EnpZB3lFFw7AU1oPMODzZmnp-OsGQmk5JHjffFaBxMjzKgtvR4eAWxv57_P1yDwzZ8at



CHORDS	SIZE	LUMBER	DESCR.
R - A	2x6 DRY	No.2	SPF
A - C	2x4 DRY	No.2	SPF
C - G	2x4 DRY	No.2	SPF
G - I	2x4 DRY	No.2	SPF
J - I	2x6 DRY	No.2	SPF
R - O	2x6 DRY	No.2	SPF
O - M	2x6 DRY	No.2	SPF
M - J	2x6 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 PLATES				
A TMVW-t MT20	5.0	8.0	2.00	4.00
B TMVW-t MT20	5.0	8.0		
C TS-t MT20	3.0	6.0		
D TMVW-t MT20	4.0	4.0		
E TMVW-t MT20	2.0	4.0		
F TMVW-t MT20	4.0	4.0		
G TS-t MT20	3.0	6.0		
H TMVW-t MT20	5.0	8.0		
I TMVW-t MT20	5.0	8.0	2.00	4.00
J BMV1-p MT20	3.0	6.0		
K BMVW-t MT20	6.0	9.0		
L BMVW-t MT20	5.0	6.0		
M BS-t MT20	5.0	6.0		
N BMVW-t MT20	5.0	8.0		
O BS-t MT20	5.0	6.0		
P BMVW-t MT20	5.0	6.0		
Q BMVW-t MT20	6.0	9.0		
R BMV1-p MT20	3.0	6.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	2067	0	2067	0	3-8	3-8
R	2067	0	2067	0	3-8	3-8

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
JT	1462	959.0	0.0	0.0	0.0	503.0
R	1462	959.0	0.0	0.0	0.0	503.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.15 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM				FR-TO			
R-A	-2015/0	0.0	0.0	0.86 (1)	7.12	K-I	0 / 2883	0.60 (1)	
A-B	-2011/0	-91.8	-91.8	0.71 (1)	3.95	A-Q	0 / 2883	0.60 (1)	
B-C	-3067/0	-91.8	-91.8	0.87 (1)	3.15	K-H	-1847/0	0.90 (1)	
C-D	-3067/0	-91.8	-91.8	0.87 (1)	3.15	Q-B	-1847/0	0.90 (1)	
D-E	-3432/0	-91.8	-91.8	0.77 (1)	3.20	L-H	0 / 1445	0.33 (1)	
E-F	-3432/0	-91.8	-91.8	0.77 (1)	3.20	B-P	0 / 1445	0.33 (1)	
F-G	-3067/0	-91.8	-91.8	0.87 (1)	3.15	L-F	-876/0	0.48 (1)	
G-H	-3067/0	-91.8	-91.8	0.87 (1)	3.15	P-D	-876/0	0.48 (1)	
H-I	-2011/0	-91.8	-91.8	0.71 (1)	3.95	N-F	0 / 499	0.11 (1)	
J-I	-2015/0	0.0	0.0	0.86 (1)	7.12	D-N	0 / 499	0.11 (1)	
						N-E	-575/0	0.31 (1)	
R-Q	0/0	-18.5	-18.5	0.08 (4)	10.00				
Q-P	0/2011	-18.5	-18.5	0.27 (1)	10.00				
P-O	0/3067	-18.5	-18.5	0.42 (1)	10.00				
O-N	0/3067	-18.5	-18.5	0.42 (1)	10.00				
N-M	0/3067	-18.5	-18.5	0.42 (1)	10.00				
M-L	0/3067	-18.5	-18.5	0.42 (1)	10.00				
L-K	0/2011	-18.5	-18.5	0.27 (1)	10.00				
K-J	0/0	-18.5	-18.5	0.08 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (1.25")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.21")
ALLOWABLE DEFL.(TL) = $L/360$ (1.25")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.39")

CSI: TC=0.87/1.00 (B-D:1), BC=0.42/1.00 (N-P:1), WB=0.90/1.00 (H-K:1), SS=0.28/1.00 (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
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

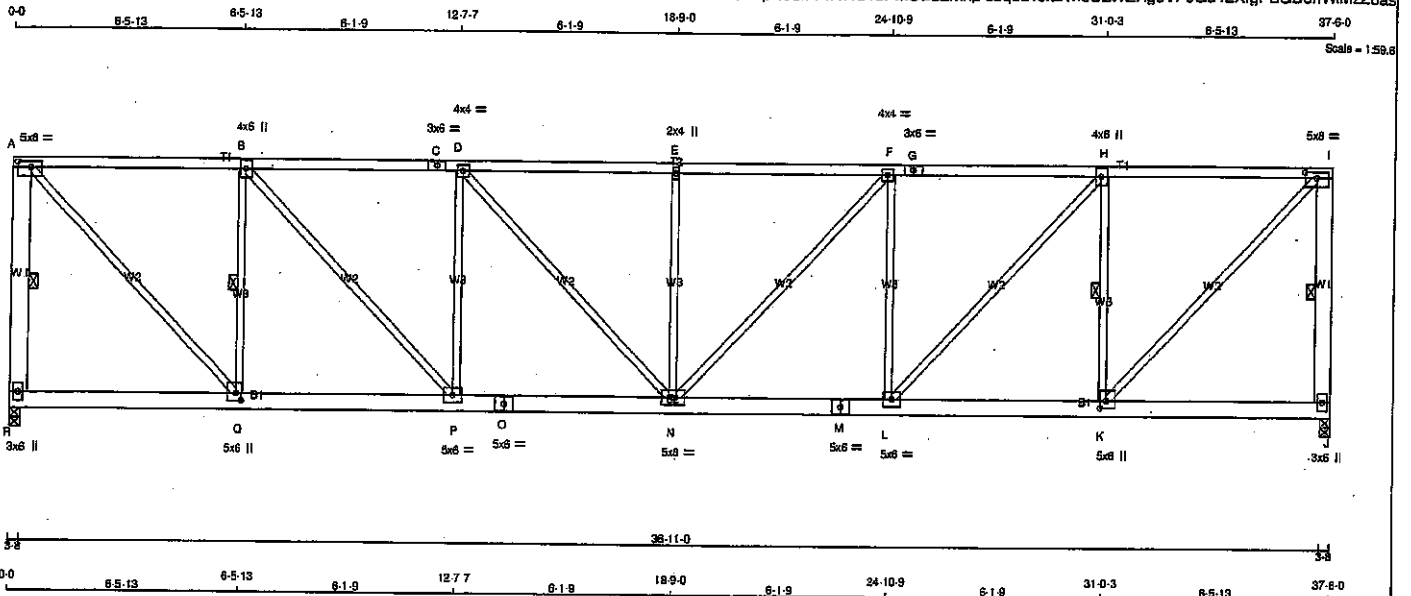
JSI GRIP = 0.85 (I) (INPUT = 0.90)
JSI METAL = 0.55 (O) (INPUT = 1.00)



Structural component only
DWG# T-2108089

JOB NAME 417422	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:GV6EnpZB3IFFw?AU1oPMDZzZmnp-s3qoz46x21n6CLWZhgVP6Gd42XfgPBGD3nWmZ6as



CHORDS	SIZE	LUMBER	DESCR.
R - A	2x6 DRY	No.2	SPF
A - C	2x4 DRY	No.2	SPF
C - G	2x4 DRY	No.2	SPF
G - I	2x4 DRY	No.2	SPF
I - L	2x6 DRY	No.2	SPF
L - O	2x6 DRY	No.2	SPF
O - M	2x6 DRY	No.2	SPF
M - J	2x6 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				
A TMVW-1	MT20	5.0	8.0	2.00 4.00
B TMVW-1	MT20	4.0	6.0	
C TS-1	MT20	3.0	6.0	
D TMVW-1	MT20	4.0	4.0	
E TMVW-1	MT20	2.0	4.0	
F TMVW-1	MT20	4.0	4.0	
G TS-1	MT20	3.0	6.0	
H TMVW-1	MT20	4.0	6.0	
I TMVW-1	MT20	5.0	8.0	2.00 4.00
J BMV1-p	MT20	3.0	6.0	
K BMVW-1	MT20	5.0	6.0	2.50 2.00
L BMVW-1	MT20	5.0	6.0	
M BS-1	MT20	5.0	6.0	
N BMVW-1	MT20	5.0	8.0	
O BS-1	MT20	5.0	6.0	
P BMVW-1	MT20	5.0	6.0	
Q BMVW-1	MT20	5.0	6.0	2.50 2.00
R BMV1-p	MT20	3.0	6.0	

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	DOWN	UP	BRG
JT VERT	2067	0	0
R	2067	0	0
J	2067	0	0

UNFACTORED REACTIONS

1ST CASE	MAX. MIN.	COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
R	1462	959 / 0
J	1462	959 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.45 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 A-R, I-J, H-K, B-Q.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		FR-TO	
R-A	-2016 / 0	0.0	0.0 0.28 (1)	K-I	0 / 2469
A-B	-1714 / 0	-91.8	-91.8 0.67 (1)	A-Q	0 / 2469
B-C	-2612 / 0	-91.8	-91.8 0.79 (1)	K-H	-1646 / 0
C-D	-2612 / 0	-91.8	-91.8 0.79 (1)	Q-B	-1646 / 0
D-E	-2924 / 0	-91.8	-91.8 0.88 (1)	L-H	0 / 1334
E-F	-2924 / 0	-91.8	-91.8 0.88 (1)	B-P	0 / 1334
F-G	-2612 / 0	-91.8	-91.8 0.79 (1)	L-F	-876 / 0
G-H	-2612 / 0	-91.8	-91.8 0.79 (1)	P-D	-876 / 0
H-I	-1714 / 0	-91.8	-91.8 0.67 (1)	N-F	0 / 462
J-I	-2016 / 0	0.0	0.0 0.28 (1)	D-N	0 / 462
R-Q	0 / 0	-18.5	-18.5 0.08 (4)	N-E	-575 / 0
Q-P	0 / 1714	-18.5	-18.5 0.24 (1)		
P-O	0 / 2612	-18.5	-18.5 0.36 (1)		
O-N	0 / 2612	-18.5	-18.5 0.36 (1)		
N-M	0 / 2612	-18.5	-18.5 0.36 (1)		
M-L	0 / 2612	-18.5	-18.5 0.36 (1)		
L-K	0 / 1714	-18.5	-18.5 0.24 (1)		
K-J	0 / 0	-18.5	-18.5 0.08 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2018
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.17")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CS1: TC=0.79/1.00 (F-H:1), BC=0.38/1.00 (N-P:1), WB=0.72/1.00 (F-L:1), SS=0.28/1.00 (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	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (Q) (INPUT = 0.90)
JSI METAL= 0.80 (Q) (INPUT = 1.00)

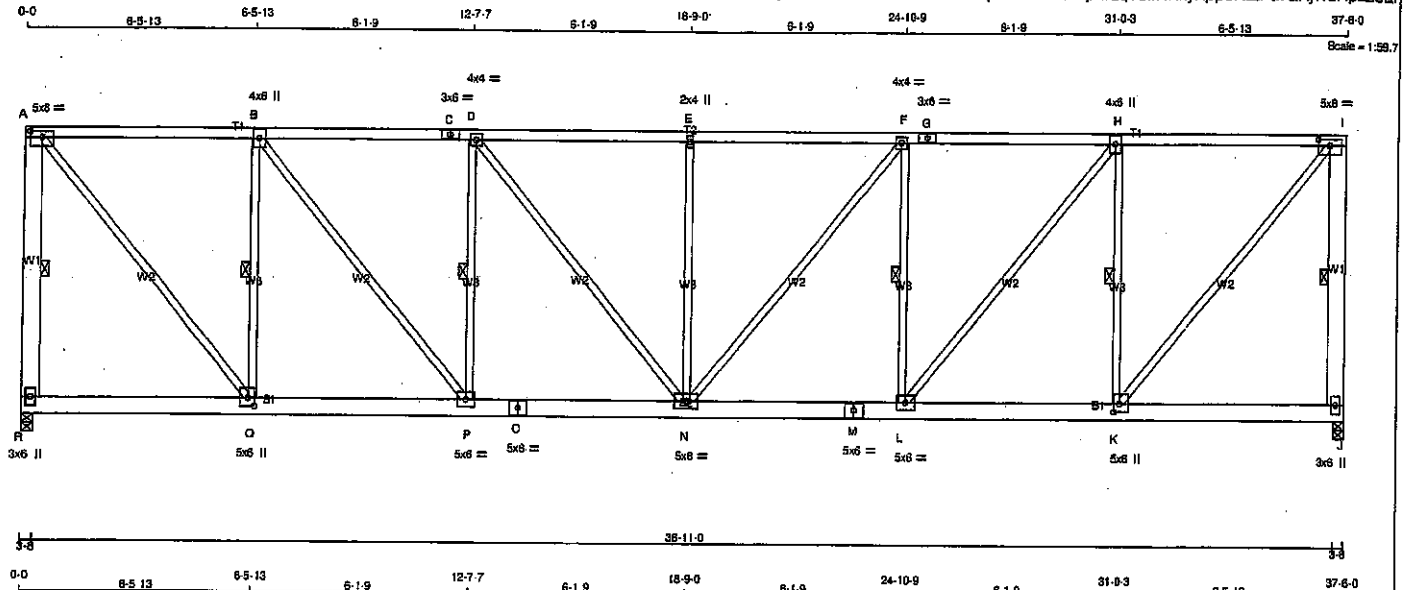


Structural component only
DWG# T-2108090

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T5	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:GV6EnpZB3IFFw7AU1oPMODzZmnp-KFNAAC6ZpLzqV5iNkYKpPeRIZPtwQRjW3HpzZ6ar



TOTAL WEIGHT = 2 X 212 = 425 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
R - A	2x6	DRY	No.2	SPF	
A - C	2x4	DRY	No.2	SPF	
C - G	2x4	DRY	No.2	SPF	
G - I	2x4	DRY	No.2	SPF	
J - I	2x6	DRY	No.2	SPF	
R - O	2x6	DRY	No.2	SPF	
O - M	2x6	DRY	No.2	SPF	
M - J	2x6	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-I	MT20	5.0	8.0	2.00	4.00
B	TMVW-I	MT20	4.0	6.0		
C	TS-I	MT20	3.0	6.0		
D	TMVW-I	MT20	4.0	4.0		
E	TMVW-I	MT20	2.0	4.0		
F	TMVW-I	MT20	4.0	4.0		
G	TS-I	MT20	3.0	6.0		
H	TMVW-I	MT20	4.0	6.0		
I	TMVW-I	MT20	5.0	8.0	2.00	4.00
J	BMV-I-p	MT20	3.0	6.0		
K	BMVW-I	MT20	5.0	6.0	2.75	2.00
L	BMVW-I	MT20	5.0	6.0		
M	BS-I	MT20	5.0	6.0		
N	BMVW-I	MT20	5.0	8.0		
O	BS-I	MT20	5.0	6.0		
P	BMVW-I	MT20	5.0	6.0		
Q	BMVW-I	MT20	5.0	6.0	2.75	2.00
R	BMV-I-p	MT20	3.0	6.0		

NOTES- (1)
1) Lateral braces to be a minimum of 2x4 SPF #2.

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
R	2087	0	2087	0
J	2087	0	2087	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN.	COMPONENT REACTIONS
R	1462	959 / 0	0 / 0
J	1462	959 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.71 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-R, J, H-K, B-Q, F-L, D-P.

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	VERT.	LOAD	LC1	MAX	CS1	UNBRAC	WEBS	MEMB.	MAX. FACTORED	FORCE	MAX	CS1
FR-TO										FR-TO					
R-A	-2017 / 0	0.0	0.0	0.36	(1)	5.69	K-I	0 / 2322	0.52	(1)					
A-B	-1493 / 0	-91.8	-91.8	0.65	(1)	4.52	A-Q	0 / 2322	0.52	(1)					
B-C	-2275 / 0	-91.8	-91.8	0.74	(1)	3.71	K-H	-1646 / 0	0.65	(1)					
C-D	-2275 / 0	-91.8	-91.8	0.74	(1)	3.71	Q-B	-1646 / 0	0.65	(1)					
D-E	-2548 / 0	-91.8	-91.8	0.82	(1)	3.75	L-H	0 / 1258	0.28	(1)					
E-F	-2548 / 0	-91.8	-91.8	0.82	(1)	3.75	B-P	0 / 1258	0.28	(1)					
F-G	-2275 / 0	-91.8	-91.8	0.74	(1)	3.71	L-F	-877 / 0	0.35	(1)					
G-H	-2275 / 0	-91.8	-91.8	0.74	(1)	3.71	P-D	-877 / 0	0.35	(1)					
H-I	-1493 / 0	-91.8	-91.8	0.65	(1)	4.52	N-F	0 / 437	0.10	(1)					
J-I	-2017 / 0	0.0	0.0	0.36	(1)	5.69	D-N	0 / 437	0.10	(1)					
R-O	0 / 0	-18.5	-18.5	0.08	(4)	10.00	N-E	-575 / 0	0.69	(1)					
Q-P	0 / 1493	-18.5	-18.5	0.22	(1)	10.00									
P-O	0 / 2275	-18.5	-18.5	0.32	(1)	10.00									
O-N	0 / 2275	-18.5	-18.5	0.32	(1)	10.00									
N-M	0 / 2275	-18.5	-18.5	0.32	(1)	10.00									
M-L	0 / 2275	-18.5	-18.5	0.32	(1)	10.00									
L-K	0 / 1493	-18.5	-18.5	0.22	(1)	10.00									
K-J	0 / 0	-18.5	-18.5	0.08	(4)	10.00									

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2015
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIG 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CS1: TC=0.74/1.00 (B-D:1), BC=0.32/1.00 (N-P:1), WB=0.69/1.00 (E-N:1), SS1=0.28/1.00 (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
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

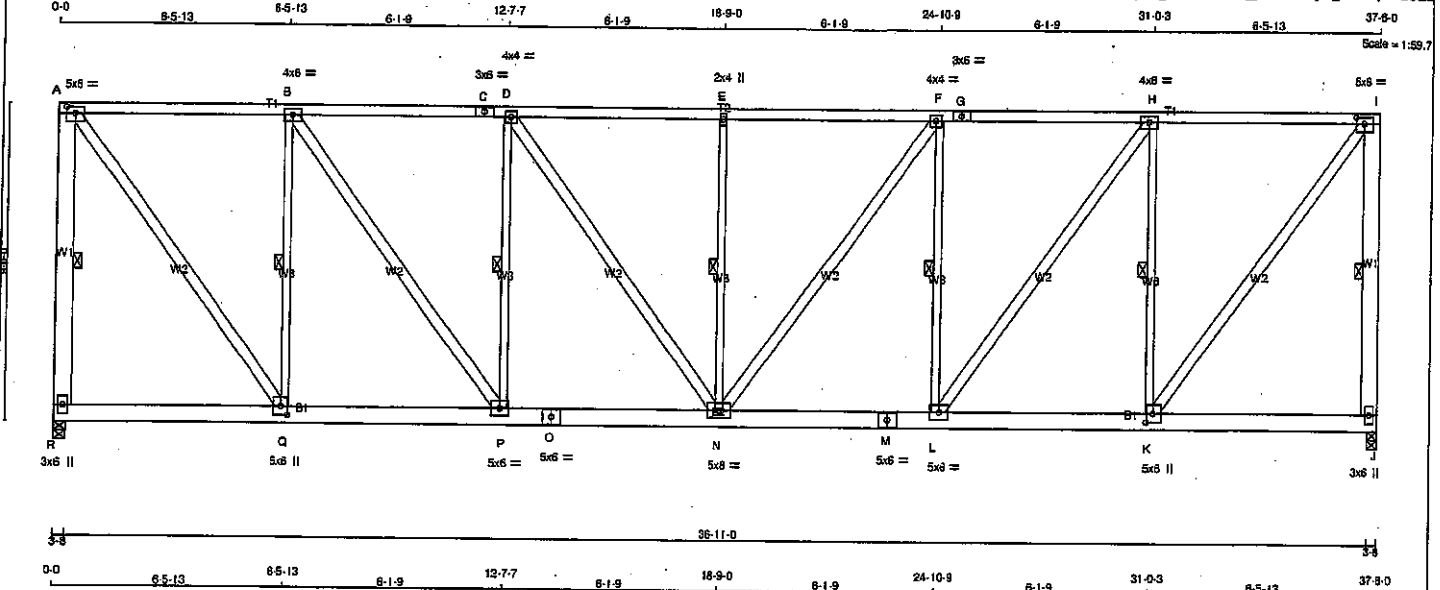
JSI GRIP = 0.89 (I) (INPUT = 0.90)
JSI METAL = 0.52 (Q) (INPUT = 1.00)



Structural component only
DWG# T-2108091

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417422	T6	7	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:17:13 2021 Page 1	

ID:GV6EnpZB3IFFw7AU1oPMODzZmnp-oRxYO17Bae1qRegxP5uzVXM_urDH8HyZgNGcqFZZ6ac



CHORDS	SIZE	LUMBER	DESCR.
R - A	2x6	DRY	No.2
A - C	2x4	DRY	No.2
C - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
J - I	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - M	2x6	DRY	No.2
M - J	2x6	DRY	No.2
ALL WEBS EXCEPT	2x4	DRY	No.2
K - H	2x3	DRY	No.2
Q - B	2x3	DRY	No.2
L - F	2x3	DRY	No.2
P - D	2x3	DRY	No.2
N - E	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	8.0	2.25	3.00
B	TMVW-1	MT20	4.0	6.0		
C	TS-1	MT20	3.0	6.0		
D	TMVW-1	MT20	4.0	4.0		
E	TMVW-1	MT20	2.0	4.0		
F	TMVW-1	MT20	4.0	4.0		
G	TS-1	MT20	3.0	6.0		
H	TMVW-1	MT20	4.0	8.0		
I	TMVW-1	MT20	5.0	8.0	2.25	3.00
J	BMV1-p	MT20	3.0	6.0		
K	BMVW-1	MT20	5.0	6.0	3.00	2.25
L	BMVW-1	MT20	5.0	6.0		
M	BS-1	MT20	5.0	6.0		
N	BMVW-1	MT20	5.0	6.0		
O	BS-1	MT20	5.0	6.0		
P	BMVW-1	MT20	5.0	6.0		
Q	BMVW-1	MT20	5.0	6.0	3.00	2.25
R	BMV1-p	MT20	3.0	6.0		

NOTES:

1) Lateral braces to be a minimum of 2x4 SPF #2.

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	UP		
R	2067	0	2067	0	3-8	3-8
J	2067	0	2067	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LOASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
R	1462	959 / 0	0 / 0	0 / 0	0 / 0	503 / 0	0 / 0
J	1462	959 / 0	0 / 0	0 / 0	0 / 0	503 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.91 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-R, I-J, H-K, B-Q, F-L, D-P, E-N.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	CS1 (L/C)	MAX. CS1 (L/C)			MAX. FACTORED FORCE (LBS)	MAX. CS1 (L/C)
R-A	-2018 / 0	0.0	0.0	0.46 (1)	5.69	K-I	0 / 2228	0.36 (1)
A-B	-1339 / 0	-91.8	-91.8	0.83 (1)	4.72	A-Q	0 / 2228	0.36 (1)
B-C	-2039 / 0	-91.8	-91.8	0.71 (1)	3.91	K-H	-1648 / 0	0.83 (1)
C-D	-2039 / 0	-91.8	-91.8	0.71 (1)	3.91	Q-B	-1648 / 0	0.83 (1)
D-E	-2283 / 0	-91.8	-91.8	0.59 (1)	3.96	L-H	0 / 1209	0.19 (1)
E-F	-2283 / 0	-91.8	-91.8	0.59 (1)	3.96	B-P	0 / 1209	0.19 (1)
F-G	-2039 / 0	-91.8	-91.8	0.71 (1)	3.91	L-F	-877 / 0	0.44 (1)
G-H	-2039 / 0	-91.8	-91.8	0.71 (1)	3.91	P-D	-877 / 0	0.44 (1)
H-I	-1339 / 0	-91.8	-91.8	0.83 (1)	4.72	N-F	0 / 420	0.07 (1)
I-J	-2018 / 0	0.0	0.0	0.46 (1)	5.69	D-N	0 / 420	0.07 (1)
R-Q	0 / 0	-18.5	-18.5	0.09 (4)	10.00	N-E	-575 / 0	0.29 (1)
Q-P	0 / 1339	-18.5	-18.5	0.21 (1)	10.00			
P-O	0 / 2039	-18.5	-18.5	0.28 (1)	10.00			
O-N	0 / 2039	-18.5	-18.5	0.28 (1)	10.00			
N-M	0 / 2039	-18.5	-18.5	0.28 (1)	10.00			
M-L	0 / 2039	-18.5	-18.5	0.28 (1)	10.00			
L-K	0 / 1339	-18.5	-18.5	0.21 (1)	10.00			
K-J	0 / 0	-18.5	-18.5	0.09 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA S86-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.25")
CALCULATED VERT. DEFL. (LL) = L/999 (0.13")
ALLOWABLE DEFL. (TL) = L/360 (1.25")
CALCULATED VERT. DEFL. (TL) = L/999 (0.23")

CS1: TC=0.71/1.00 (B-D:1), BC=0.28/1.00 (N-P:1), WB=0.83/1.00 (H-K:1), SS=0.28/1.00 (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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (I) (INPUT = 0.90)
JSI METAL = 0.48 (Q) (INPUT = 1.00)

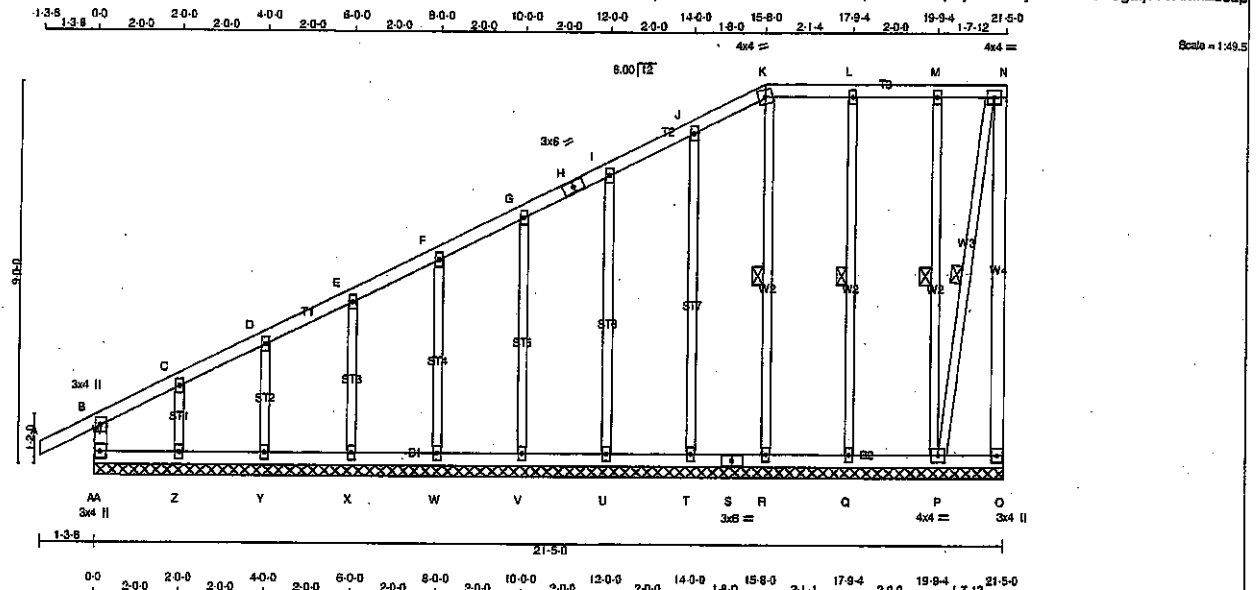


Structural component only
DWG# T-2108092

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T7G	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:17:14 2021 Page 1
ID:GV6EnpZB3IFFw?AU1oPMODzZmnp-HeVxb58PLy9h3of8yoPC1luJoFdgtjv1?AMhzZ6ap



TOTAL WEIGHT = 4 X 117 = 468 lb

LUMBER				
N. L. G. A. RULES				
CHORDS		SIZE	LUMBER	
AA- B		2x4	DRY	No.2
A - H		2x4	DRY	No.2
H - K		2x4	DRY	No.2
K - N		2x4	DRY	No.2
O - N		2x4	DRY	No.2
AA- S		2x4	DRY	No.2
S - O		2x4	DRY	No.2
ALL WEBS		2x3	DRY	No.2
ALL GABLE WEBS		2x3	DRY	No.2
DRY; SEASONED LUMBER.				

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C, D, E, F, G, I, J, L, M						
C	TMW-w	MT20	2.0	4.0		
H	TS-1	MT20	3.0	6.0		
K	TTW-m	MT20	4.0	4.0		
N	TMW-t	MT20	4.0	4.0		
O	BMV1+p	MT20	3.0	4.0		
P	BMWV1-t	MT20	4.0	4.0		
Q, R, T, U, V, W, X, Y, Z						
Q	BMV1-w	MT20	2.0	4.0		
S	BS-1	MT20	3.0	6.0		
AA	BMV1+p	MT20	3.0	4.0		

NOTES - (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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.

PROVIDE ANCHORAGE AT BEARING JOINT O FOR 150 LBS. FACTORED UPLIFT BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S).

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF K-R, L-Q, M-P, N-P.

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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
AA-B	-198/0	0.0	0.0	0.02 (1)	7.81	Z-C	-197/0	0.03 (1)	
A-B	0/28	-91.8	-91.8	0.12 (1)	10.00	Y-D	-179/0	0.03 (1)	
B-C	0/8	-91.8	-91.8	0.05 (1)	10.00	X-E	-182/0	0.05 (1)	
C-D	0/7	-91.8	-91.8	0.05 (1)	10.00	W-F	-182/0	0.07 (1)	
D-E	0/13	-91.8	-91.8	0.04 (1)	10.00	V-G	-182/0	0.11 (1)	
E-F	0/16	-91.8	-91.8	0.04 (1)	10.00	U-I	-182/0	0.16 (1)	
F-G	0/19	-91.8	-91.8	0.04 (1)	10.00	T-J	-188/0	0.25 (1)	
G-H	0/21	-91.8	-91.8	0.05 (1)	10.00	R-K	-149/0	0.08 (1)	
H-I	0/21	-91.8	-91.8	0.05 (1)	10.00	Q-L	-221/0	0.12 (1)	
I-J	0/23	-91.8	-91.8	0.05 (1)	10.00	P-M	-165/0	0.09 (1)	
J-K	0/17	-91.8	-91.8	0.04 (1)	10.00	P-N	-187/0	0.09 (1)	
K-L	0/24	-91.8	-91.8	0.08 (1)	10.00				
L-M	0/24	-91.8	-91.8	0.08 (1)	10.00				
M-N	0/28	-91.8	-91.8	0.04 (1)	10.00				
O-N	0/99	0.0	-0.0	-0.02 (1)	10.00				
AA-Z	0/0	-18.5	-18.5	0.02 (4)	10.00				
Z-Y	-7/0	-18.5	-18.5	0.02 (4)	10.00				
Y-X	-11/0	-18.5	-18.5	0.01 (4)	6.25				
X-W	-14/0	-18.5	-18.5	0.01 (4)	6.25				
W-V	-17/0	-18.5	-18.5	0.01 (4)	6.25				
V-U	-19/0	-18.5	-18.5	0.01 (4)	6.25				
U-T	-21/0	-18.5	-18.5	0.01 (4)	6.25				
T-S	-22/0	-18.5	-18.5	0.01 (4)	6.25				
S-R	-22/0	-18.5	-18.5	0.01 (4)	6.25				
R-Q	-24/0	-18.5	-18.5	0.02 (4)	6.25				
Q-P	-24/0	-18.5	-18.5	0.02 (4)	6.25				
P-O	0/0	-18.5	-18.5	0.02 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2015, ABC 2019

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 088-14

- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (Y-Z:4), WB=0.25/1.00 (J-T:1), SSI=0.09/1.00 (K-L: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

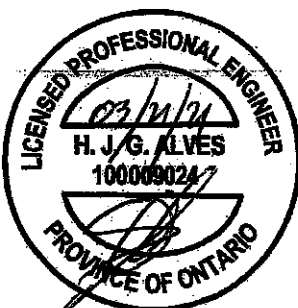
PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747
			788
			1987
			1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.59 (K) (INPUT = 0.90)

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

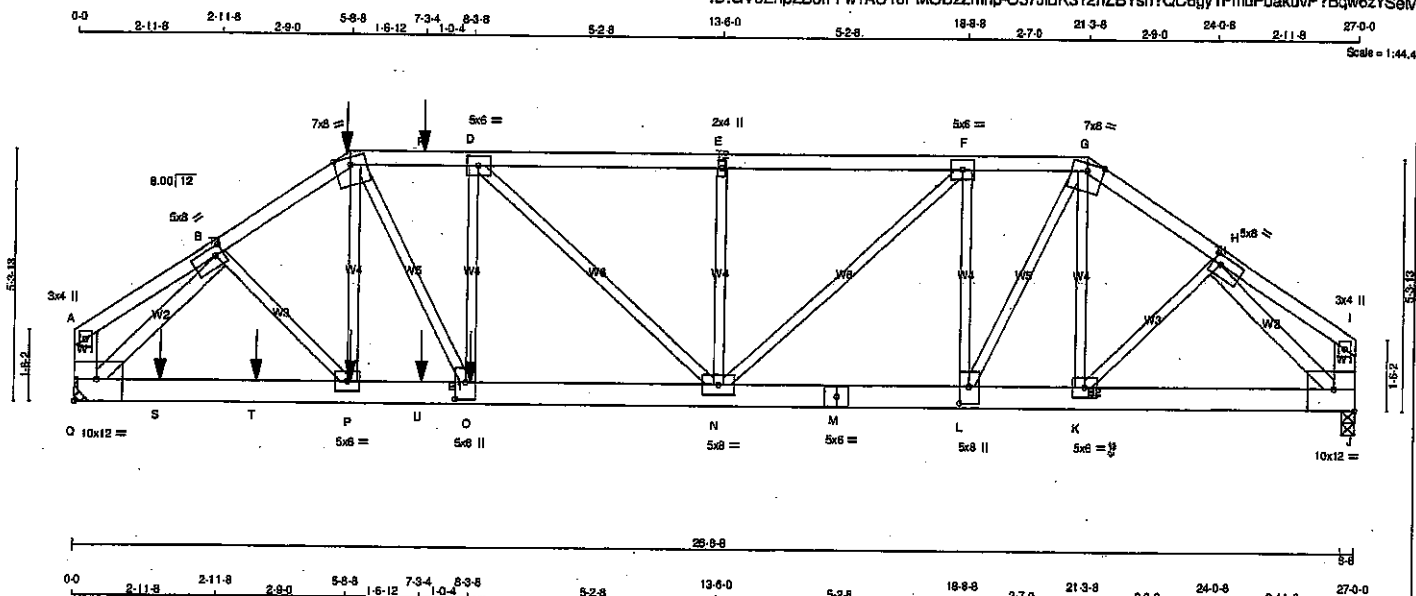


Structural component only
DWG# T-2108093

JOB NAME 417422	TRUSS NAME T8	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 5 Jan 21 2021 MITek Industries, Inc. Mon Mar 22 08:00:39 2021 Page 1
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TOTAL WEIGHT = 138 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - G	2x4	DRY No.2	SPF
G - I	2x4	DRY No.2	SPF
Q - A	2x6	DRY No.2	SPF
Q - I	2x6	DRY No.2	SPF
Q - M	2x6	DRY No.2	SPF
M - J	2x6	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
EXCEPT			
Q - B	2x4	DRY No.2	SPF
H - J	2x4	DRY No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWV-t	MT20	5.0	8.0	2.25	2.00
C	TTWV-m	MT20	7.0	8.0	Edge	
D	TMWV-t	MT20	5.0	8.0		
E	TMWV-w	MT20	2.0	4.0		
F	TMWV-t	MT20	5.0	8.0		
G	TTWV-m	MT20	7.0	8.0	Edge	
H	TMWV-t	MT20	5.0	8.0	2.25	2.00
I	TMV+p	MT20	3.0	4.0		
J	BMVW-t	MT20	10.0	12.0	5.50	Edge
K	BMVW-t	MT20	5.0	6.0		
L	BMVW-t	MT20	5.0	8.0	4.25	2.50
M	BS-t	MT20	5.0	6.0		
N	BMVW-t	MT20	5.0	8.0		
O	BMVW-t	MT20	5.0	8.0	4.25	2.50
P	BMVW-t	MT20	5.0	6.0		
Q	BMVW-t	MT20	10.0	12.0	5.50	Edge

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

NOTES - (1)

1) Lateral braces to be a minimum of 2x4 SPF #2.

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT	REQD
JT	VERT	HORIZ	DOWN	HORIZ
Q	3808	0	3808	0
J	2322	0	2322	0

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

UNFACTORED REACTIONS

JT	COMBINED	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
Q	2550	1681 / 0	0 / 0	0 / 0	0 / 0	869 / 0	0 / 0
J	1640	1087 / 0	0 / 0	0 / 0	0 / 0	554 / 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 = 2.64 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 LC1 MAX (CS) (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSX (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 10	-91.8	-91.8 0.10 (1)	10.00	P-C	-288 / 44	0.12 (1)
B-C	-4592 / 0	-91.8	-91.8 0.40 (1)	2.95	K-G	-182 / 0	0.07 (1)
C-R	-4885 / 0	-91.8	-91.8 0.55 (1)	2.64	Q-D	0 / 74	0.03 (4)
R-D	-4886 / 0	-91.8	-91.8 0.55 (1)	2.64	C-O	0 / 2348	0.58 (1)
D-E	-4350 / 0	-91.8	-91.8 0.74 (1)	2.75	L-F	-1512 / 0	0.81 (1)
E-F	-4350 / 0	-91.8	-91.8 0.74 (1)	2.75	L-G	0 / 1765	0.44 (1)
F-G	-3158 / 0	-91.8	-91.8 0.35 (1)	3.57	N-F	0 / 1646	0.41 (1)
G-H	-2833 / 0	-91.8	-91.8 0.21 (1)	3.92	D-N	-739 / 0	0.72 (1)
H-I	0 / 13	-91.8	-91.8 0.10 (1)	10.00	N-E	-504 / 0	0.20 (1)
Q-A	-112 / 0	0.0	0.0 0.01 (1)	7.81	B-P	0 / 801	0.20 (1)
J-I	-107 / 0	0.0	0.0 0.01 (1)	7.81	Q-B	-4713 / 0	0.92 (1)
					K-H	0 / 407	0.10 (1)
					H-J	-2989 / 0	0.58 (1)
Q-S	0 / 3240	-18.5	-18.5 0.50 (1)	10.00			
S-T	0 / 3240	-18.5	-18.5 0.50 (1)	10.00			
T-P	0 / 3240	-18.5	-18.5 0.50 (1)	10.00			
P-U	0 / 3797	-18.5	-18.5 0.80 (1)	10.00			
U-O	0 / 3797	-18.5	-18.5 0.80 (1)	10.00			
O-N	0 / 4887	-18.5	-18.5 0.75 (1)	10.00			
N-M	0 / 3157	-18.5	-18.5 0.46 (1)	10.00			
M-L	0 / 3157	-18.5	-18.5 0.46 (1)	10.00			
L-K	0 / 2337	-18.5	-18.5 0.34 (1)	10.00			
K-J	0 / 2054	-18.5	-18.5 0.31 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	5'-8"	-341	-341	---	BACK	VERT	TOTAL	C1
O	8'-3"	-1507	-1507	---	BACK	VERT	TOTAL	C1
P	5'-9"	-29	-29	---	BACK	VERT	TOTAL	C1
R	7'-3"	-122	-122	---	BACK	VERT	TOTAL	C1
S	1'-9"	-29	-29	---	BACK	VERT	TOTAL	C1
T	3'-6"	-29	-29	---	BACK	VERT	TOTAL	C1
U	7'-3"	-29	-29	---	BACK	VERT	TOTAL	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(65 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.90")
CALCULATED VERT. DEFL. (LL) = L/999 (0.15")
ALLOWABLE DEFL. (TL) = L/360 (0.90")
CALCULATED VERT. DEFL. (TL) = L/999 (0.28")

CSI: TC=0.74/1.00 (E-F:1), BC=0.75/1.00 (N-O:1), WB=0.92/1.00 (B-Q:1), SS=0.24/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	850 371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

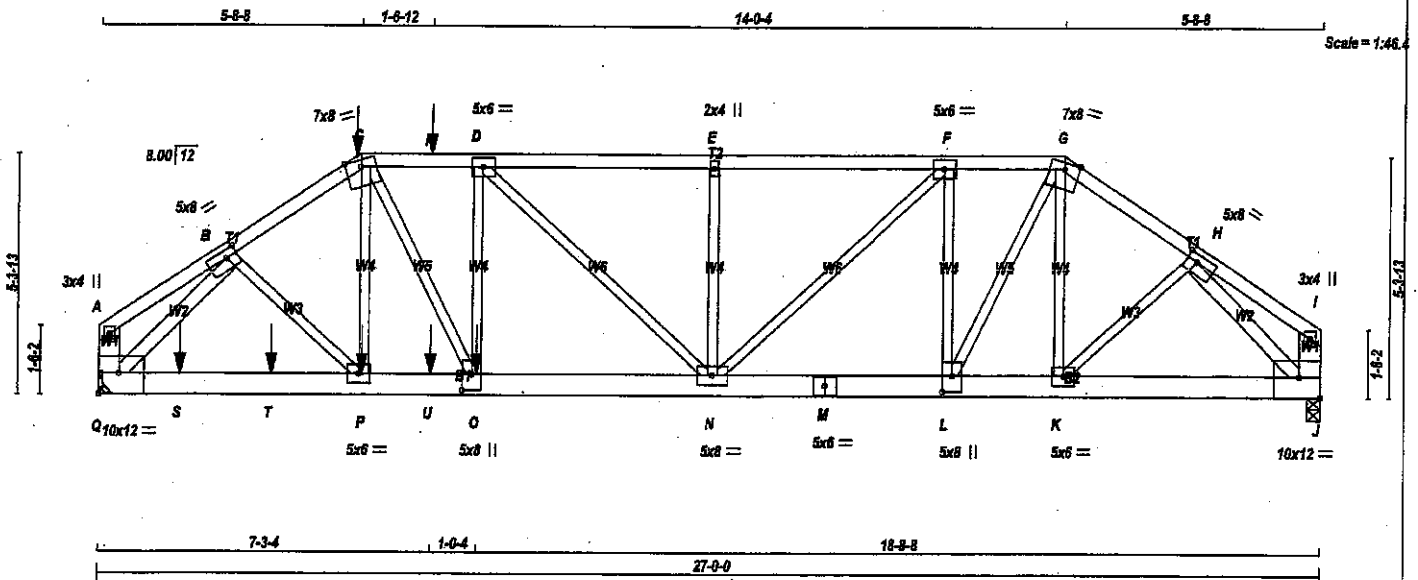
JSI GRIP = 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.95 (M) (INPUT = 1.00)



Structural component only
DWG# T-2108094

JOB NAME 421219	TRUSS NAME T8Z	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 8 Jan 21 2021 Mitek Industries, Inc. Tue Aug 24 17:17:29 2021 Page 1 ID:GV6EnpZB3IFFw?AU1cPMODzZmnp-WN_is0_rSxy_1y8sfU5?7Yko?yp76TqR_7x0kEykamK	

Scale = 1/48"



TOTAL WEIGHT = 138 lb

LUMBER			
N.L.G.A. RULES	CHORDS	SIZE	DESCR.
A - C	2x4	DRY	No.2
O - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
Q - A	2x6	DRY	No.2
J - I	2x6	DRY	No.2
Q - M	2x6	DRY	No.2
M - J	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
Q - B	2x4	DRY	No.2
H - J	2x4	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-i	MT20	5.0	8.0	2.00 3.00
C	TTWW-m	MT20	7.0	8.0	Edge
D	TMVW-i	MT20	5.0	6.0	
E	TMVW-i	MT20	2.0	4.0	
F	TMVW-i	MT20	5.0	6.0	
G	TTWW-m	MT20	7.0	8.0	Edge
H	TMVW-i	MT20	5.0	8.0	2.00 3.00
I	TMV+p	MT20	3.0	4.0	
J	BMVW-i	MT20	10.0	12.0	5.50 Edge
K	BMVW-i	MT20	5.0	6.0	
L	BMVW-i	MT20	5.0	8.0	4.25 2.50
M	BS-i	MT20	5.0	6.0	
N	BMVW-i	MT20	5.0	8.0	
O	BMVW-i	MT20	5.0	8.0	4.25 2.50
P	BMVW-i	MT20	5.0	6.0	
Q	BMVW-i	MT20	10.0	12.0	5.50 Edge

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

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	IN-SX	BRG	IN-SX
J	2334 0	J	2334 0	3-8	3-8		
Q	3835 0	Q	3835 0	MECHANICAL			

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

UNFACTORED REACTIONS

1ST CASE		MAX/MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	JT	COMBINED	JT	COMBINED	JT	COMBINED	JT	COMBINED
J	1649	J	1093 / 0	J	0 / 0	J	0 / 0	J	558 / 0
Q	2569	Q	1685 / 0	Q	0 / 0	Q	0 / 0	Q	874 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.82 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. (PLF)	CS1 (LC)	MAX. (LBS)	UNBRAC	MEMB.	FORCE (LBS)	MAX. (LBS)	CS1 (LC)
FR-TO						FR-TO			
A-B	0 / 11	-91.8	-91.8 0.08 (1)	10.00	P-C	-299 / 42	0.12 (1)		
B-C	-4630 / 0	-91.8	-91.8 0.42 (1)	2.92	K-G	-190 / 0	0.08 (1)		
C-R	-4931 / 0	-91.8	-91.8 0.56 (1)	2.82	Q-D	0 / 77	0.03 (4)		
R-D	-4931 / 0	-91.8	-91.8 0.56 (1)	2.82	C-O	0 / 2374	0.59 (1)		
D-E	-4383 / 0	-91.8	-91.8 0.74 (1)	2.73	L-F	-1524 / 0	0.62 (1)		
E-F	-4383 / 0	-91.8	-91.8 0.74 (1)	2.73	L-G	0 / 1778	0.44 (1)		
F-G	-3177 / 0	-91.8	-91.8 0.35 (1)	3.58	N-F	0 / 1683	0.41 (1)		
G-H	-2850 / 0	-91.8	-91.8 0.23 (1)	3.91	D-N	-758 / 0	0.74 (1)		
H-I	0 / 14	-91.8	-91.8 0.10 (1)	10.00	N-E	-504 / 0	0.20 (1)		
Q-A	-105 / 0	0.0	0.0 0.01 (1)	7.81	B-P	0 / 848	0.21 (1)		
J-I	-100 / 0	0.0	0.0 0.01 (1)	7.81	Q-B	-4724 / 0	0.88 (1)		
					K-H	0 / 435	0.11 (1)		
					H-J	-2992 / 0	0.56 (1)		
Q-S	0 / 3219	-18.5	-18.5 0.50 (1)	10.00					
S-T	0 / 3219	-18.5	-18.5 0.50 (1)	10.00					
T-P	0 / 3219	-18.5	-18.5 0.50 (1)	10.00					
P-U	0 / 3829	-18.5	-18.5 0.81 (1)	10.00					
U-O	0 / 3829	-18.5	-18.5 0.81 (1)	10.00					
O-N	0 / 4932	-18.5	-18.5 0.78 (1)	10.00					
N-M	0 / 3177	-18.5	-18.5 0.46 (1)	10.00					
M-L	0 / 3177	-18.5	-18.5 0.46 (1)	10.00					
L-K	0 / 2351	-18.5	-18.5 0.35 (1)	10.00					
K-J	0 / 2039	-18.5	-18.5 0.31 (1)	10.00					

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
J	5-8-8	-341	-341		BACK	VERT	TOTAL		C1
O	8-3-8	-1535	-1535		BACK	VERT	TOTAL		C1
P	5-9-4	-29	-29		BACK	VERT	TOTAL		C1
R	7-3-4	-122	-122		BACK	VERT	TOTAL		C1
S	1-8-4	-29	-29		BACK	VERT	TOTAL		C1
T	3-9-4	-29	-29		BACK	VERT	TOTAL		C1
U	7-3-4	-29	-29		BACK	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.8	PSF
DL	=	6.0	PSF	
BOT CH.	LL	=	0.0	PSF
DL	=	7.4	PSF	
TOTAL LOAD	=	39.0	PSF	

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF OSC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(L) = L/960 (0.80")
CALCULATED VERT. DEFL.(L) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/960 (0.90")
CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CSI: TC=0.74/1.00 (D-E:1), BC=0.76/1.00 (N-O:1), WB=0.88/1.00 (B-Q:1), SS=0.24/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788
	1987	1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

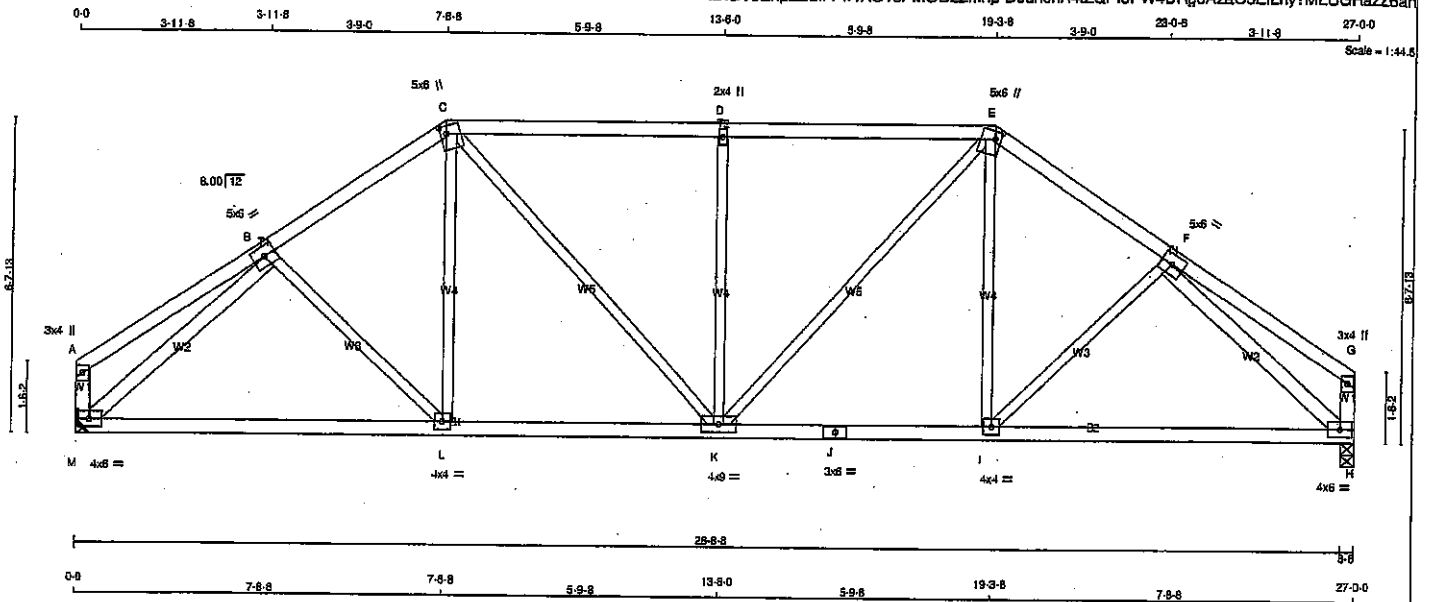
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.96 (M) (INPUT = 1.00)



Structural component only
DWG# T-2129738

JOB NAME 417422	TRUSS NAME T9	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD.
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
M	1488	0	1488	0	0
H	1488	0	1488	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1053	691.0	0.0	0.0	0.0	382.0	0.0
H	1053	691.0	0.0	0.0	0.0	382.0	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 = 4.69 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0.22	B-L	-23.45
B-C	-1595.0	L-C	0.170
C-D	-1840.0	C-K	0.491
D-E	-1640.0	K-D	-651.0
E-F	-1595.0	K-E	0.491
F-G	0.22	E-I	0.170
M-A	-137.0	I-F	-23.45
H-G	-137.0	M-B	-1850.0
		F-H	-1850.0
M-L	0.1324		
L-K	0.1309		
K-J	0.1309		
J-I	0.1309		
I-H	0.1324		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.43/1.00 (C-D:1), BC=0.36/1.00 (I-K:4), WB=0.62/1.00 (F-H:1), SS=0.26/1.00 (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

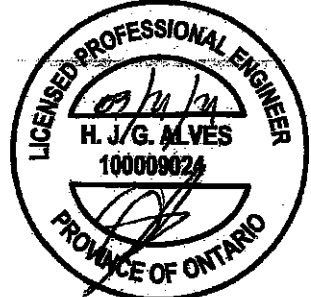
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.85 (M) (INPUT = 0.90)
JSI METAL= 0.42 (J) (INPUT = 1.00)



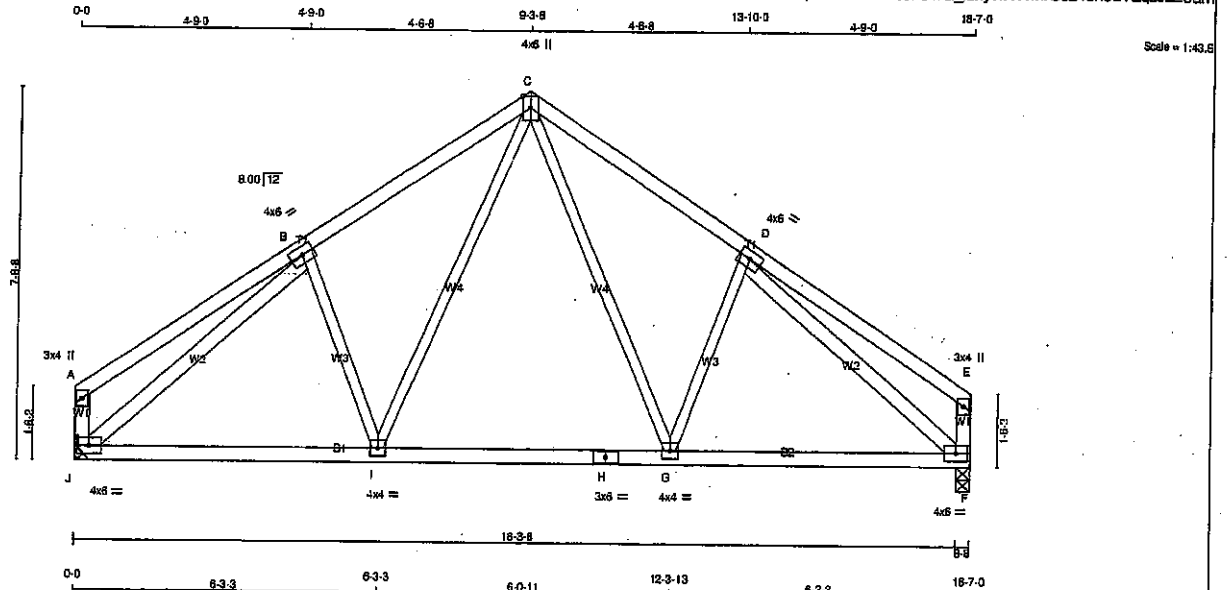
Structural component only
DWG# T-2108095

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T10A	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 88 = 264 LBS

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	LUMBER	DESOR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
J - A	2x4	DRY	No.2
F - E	2x4	DRY	No.2
J - H	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
J - B	2x4	DRY	No.2
D - F	2x4	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+1	MT20	4.0	6.0		
C	TTWW+p	MT20	4.0	6.0	Edge	
D	TMVW+1	MT20	4.0	6.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW+1	MT20	4.0	6.0		
G	BMVW+1	MT20	4.0	4.0		
H	BS+1	MT20	3.0	6.0		
I	BMVW+1	MT20	4.0	4.0		
J	BMVW+1	MT20	4.0	6.0		

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

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1024	0	1024	0
F	1024	0	1024	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
J	724	475	0	0	0	0
F	724	475	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.99 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 28	-91.8	-91.8	0.32 (1)	10.00	C-G	0 / 390
B-C	-977 / 0	-91.8	-91.8	0.26 (1)	5.99	G-D	-255 / 0
C-D	-977 / 0	-91.8	-91.8	0.26 (1)	5.99	D-E	0 / 390
D-E	0 / 28	-91.8	-91.8	0.32 (1)	10.00	E-F	-255 / 0
J-A	-180 / 0	0.0	0.0	0.02 (1)	7.81	J-B	-1202 / 0
F-E	-160 / 0	0.0	0.0	0.02 (1)	7.81	D-F	-1202 / 0
J-I	0 / 882	-18.5	-18.5	0.23 (4)	10.00		
I-H	0 / 842	-18.5	-18.5	0.21 (4)	10.00		
H-G	0 / 842	-18.5	-18.5	0.21 (4)	10.00		
G-F	0 / 882	-18.5	-18.5	0.23 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 25.8	PSF
	DL	= 6.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.4	PSF
TOTAL LOAD		= 39.0	PSF

SPACING = 24.0 IN. CG

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2015
- PART 9 OF CBC 2012 (2015 AMENDMENT)
- CSA 086-14
- TPIG 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.32/1.00 (D-E-1), BC=0.23/1.00 (F-G-4), WB=0.59/1.00 (E-J-1), SS=0.17/1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX	MIN	MAX
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (B) (INPUT = 0.90)

JSI METAL= 0.28 (D) (INPUT = 1.00)

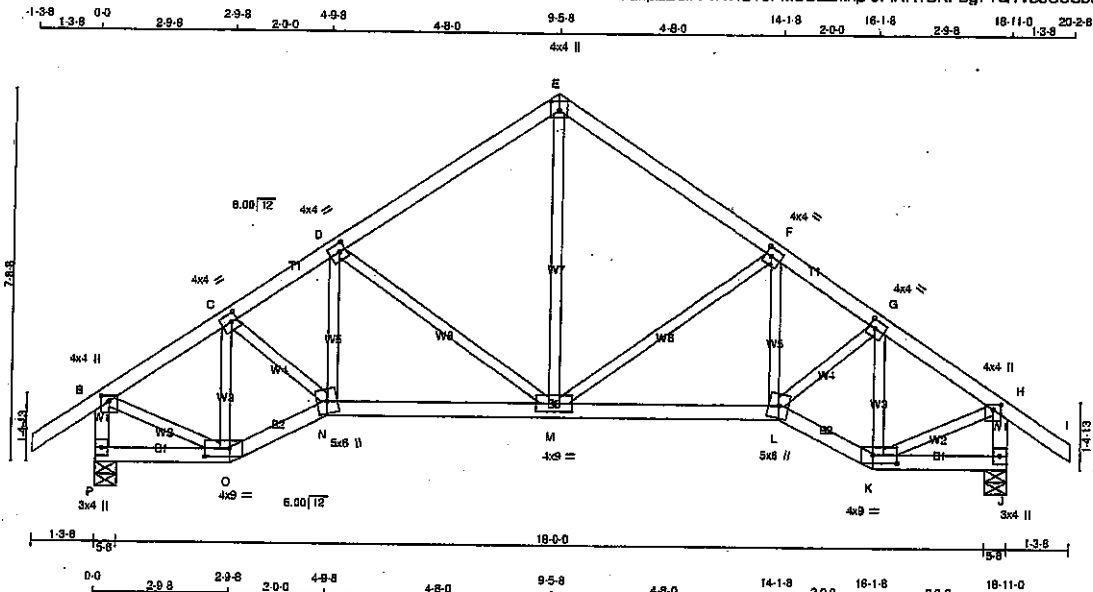


Structural component only
DWG# T-2108097

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T10S	3	1	TRUSS DESC.		

Tamrack Roof Truss, Burlington

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

TOTAL WEIGHT = 3 X 86 = 257 lb (MIF)

LUMBER

N.L. & A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - O	2x4	DRY	No.2	SPF
O - N	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
L - K	2x4	DRY	No.2	SPF
K - J	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 TMVW+p	MT20	4.0	4.0	1.25	2.00
C, D, F, G					
C TMVW-i	MT20	4.0	4.0	2.00	1.50
E TTW+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 BMVW+p	MT20	4.0	9.0	2.00	6.00
L BBVW+p	MT20	5.0	6.0		
M BMVW-i	MT20	4.0	9.0		
N BBVW+m	MT20	5.0	6.0		
O BBVW+p	MT20	4.0	9.0	2.00	6.00
P BMV1+p	MT20	3.0	4.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2x4 SPF #2.

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
P	1189	0	1189	0
J	1189	0	1189	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
P	824	554 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
J	824	554 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				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 / 35	-91.8	-91.8 0.12 (1)	10.00	M-E	0 / 691	0.16 (1)
B-C	-1027 / 0	-91.8	-91.8 0.10 (1)	6.09	M-F	-498 / 0	0.27 (1)
C-D	-1390 / 0	-91.8	-91.8 0.19 (1)	5.33	L-F	0 / 156	0.04 (1)
D-E	-957 / 0	-91.8	-91.8 0.23 (1)	6.07	L-G	0 / 473	0.11 (1)
E-F	-957 / 0	-91.8	-91.8 0.23 (1)	6.07	K-G	-701 / 0	0.13 (1)
F-G	-1390 / 0	-91.8	-91.8 0.19 (1)	5.33	D-M	-498 / 0	0.27 (1)
G-H	-1027 / 0	-91.8	-91.8 0.10 (1)	6.09	N-D	0 / 156	0.04 (1)
H-I	0 / 35	-91.8	-91.8 0.12 (1)	10.00	C-N	0 / 473	0.11 (1)
P-B	-1143 / 0	0.0	0.0 0.12 (1)	7.43	O-C	-701 / 0	0.13 (1)
J-H	-1143 / 0	0.0	0.0 0.12 (1)	7.43	B-O	0 / 918	0.21 (1)
					K-H	0 / 918	0.21 (1)
P-O	0 / 0	-18.5	-18.5 0.04 (4)	10.00			
O-N	0 / 930	-18.5	-18.5 0.16 (1)	10.00			
N-M	0 / 1182	-18.5	-18.5 0.25 (1)	10.00			
M-L	0 / 1182	-18.5	-18.5 0.25 (1)	10.00			
L-K	0 / 930	-18.5	-18.5 0.16 (1)	10.00			
K-J	0 / 0	-18.5	-18.5 0.04 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.83")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.83")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.23/1.00 (E-F-1), BC=0.25/1.00 (M-N-1),
WB=0.27/1.00 (F-M-1), SS=0.18/1.00 (E-F-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

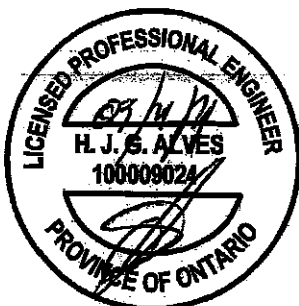
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MIN	MAX	MIN
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (E) (INPUT = 0.90)

JSI METAL= 0.26 (H) (INPUT = 1.00)



Structural component only
DWG# T-2108098

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 33 = 65 lb

DRY; SEASONED LUMBER.

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0	2.50	1.75
B	TMWW-1	MT20	4.0	4.0	2.00	1.25
C	TMV-0	MT20	3.0	4.0		



Structural component only
DWG# T-2108099 *ML*

BEARINGS

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4'-0".

UNFACTORED REACTIONS

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBBS			
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	-1350 / 0	-91.8	-91.8	0.06 (1)	6.25	E-B	0 / 1578
B-C	-15 / 0	-91.8	-91.8	0.06 (1)	6.25	B-D	-1611 / 0
D-C	-108 / 0	0.0	0.0	0.02 (1)	7.81	A-E	0 / 1199
F-A	-1281 / 0	0.0	0.0	0.04 (1)	7.81		
F-G	0 / 0	-18.5	-18.5	0.18 (1)	10.00		
G-E	0 / 0	-18.5	-18.5	0.19 (1)	10.00		
E-H	0 / 1136	-18.5	-18.5	0.29 (1)	10.00		
H-I	0 / 1136	-18.5	-18.5	0.29 (1)	10.00		
I-D	0 / 1138	-18.5	-18.5	0.29 (1)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN
G	1-8-12	-710	-710	---	BACK	VERT	TOTAL	---	C1
H	3-8-12	-710	-710	---	BACK	VERT	TOTAL	---	C1
I	5-2-12	-712	-712	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER MECHANICAL CONNECTION IS REQUIRED

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	8.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.4	PSF
TOTAL LOAD =		39.0	PSF

SPACING = 24.0 IN C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI: TC=0.06/1.00 (A-B:1), BC=0.29/1.00 (D-E:1),
WB=0.23/1.00 (B-D:1), SSI=0.39/1.00 (D-E: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) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg

JSI GRIP= 0.78 (B) (INPUT = 0.90)
JSI METAL= 0.26 (D) (INPUT = 1.00)

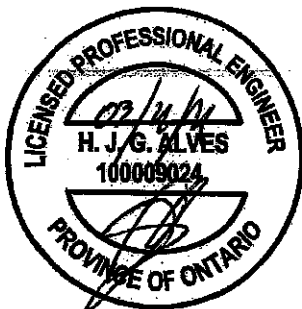
JOB NAME 417422	TRUSS NAME T11	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:17:19 2021 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
D	BMVW1+p	MT20	4.0	6.0		
E	BMVW-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	6.0		

NOTES- (1)
 1) Lateral braces to be a minimum of 2X4 SPF #2.

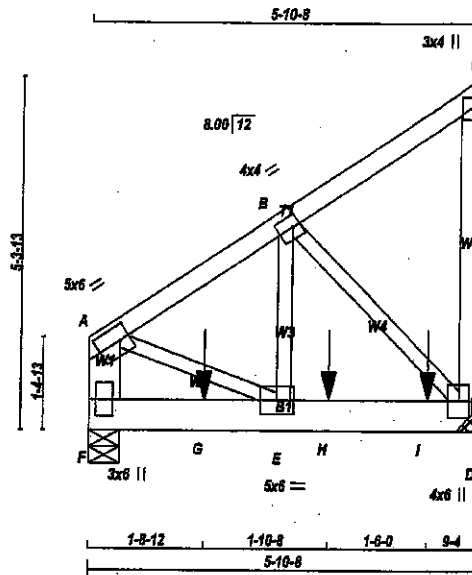


Structural component only
 DWG# T-2108099 *2/1*

JOB NAME 421219	TRUSS NAME T11Z9	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Trusses, Burlington

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Scale: 3/8"=1'

TOTAL WEIGHT = 2 X 33 = 66 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
D - C	2x4	DRY	No.2	SPF		
F - A	2x6	DRY	No.2	SPF		
F - D	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
F - A 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D 2	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	8	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMVW-t	MT20	5.0	5.0	2.50	1.75
B TMVW-t	MT20	4.0	4.0	2.00	1.25
C TMV-p	MT20	3.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	HORIZ	UPLIFT
D	2196	0	2196	0
F	1514	0	1514	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
D	1550 1035 / 0 0 / 0 0 / 0 0 / 0 514 / 0 0 / 0
F	1068 714 / 0 0 / 0 0 / 0 0 / 0 354 / 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB. FORCE (LBS)
FR-TO				
A-B	-1437 / 0	-91.8	-91.8 0.06 (1)	8.25
B-C	-14 / 0	-91.8	-91.8 0.06 (1)	8.25
D-C	-109 / 0	0.0	0.0 0.02 (1)	7.81
F-A	-1324 / 0	0.0	0.0 0.05 (1)	7.81
F-G	0 / 0	-18.5	-18.5 0.19 (1)	10.00
G-E	0 / 0	-18.5	-18.5 0.19 (1)	10.00
E-H	0 / 1208	-18.5	-18.5 0.32 (1)	10.00
H-I	0 / 1208	-18.5	-18.5 0.32 (1)	10.00
I-D	0 / 1208	-18.5	-18.5 0.32 (1)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-8-12	-583	-583	---	BACK	VERT	TOTAL	---	C1
H	3-7-4	-866	-866	---	BACK	VERT	TOTAL	---	C1
I	5-1-4	-711	-711	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 38.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/960 (0.20")
CALCULATED VERT. DEFL.(LL) = L/998 (0.01")
ALLOWABLE DEFL.(TL) = L/960 (0.20")
CALCULATED VERT. DEFL.(TL) = L/998 (0.02")

CSI: TC=0.06/1.00 (A-B:1), BC=0.32/1.00 (D-E:1), WB=0.24/1.00 (B-D:1), SS=0.47/1.00 (D-E: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.

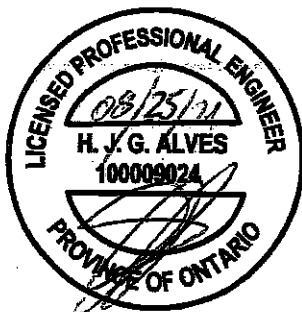
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MT20	650	371	1747
	788	1867	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (B) (INPUT = 0.99)
JSI METAL= 0.27 (D) (INPUT = 1.00)



Structural component only
DWG# T-2129739

CONTINUED ON PAGE 2

JOB NAME 421219	TRUSS NAME T11Z9	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

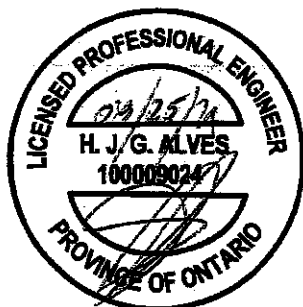
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
D	BMVW1+p	MT20	4.0	6.0		
E	BMVW1-	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	6.0		

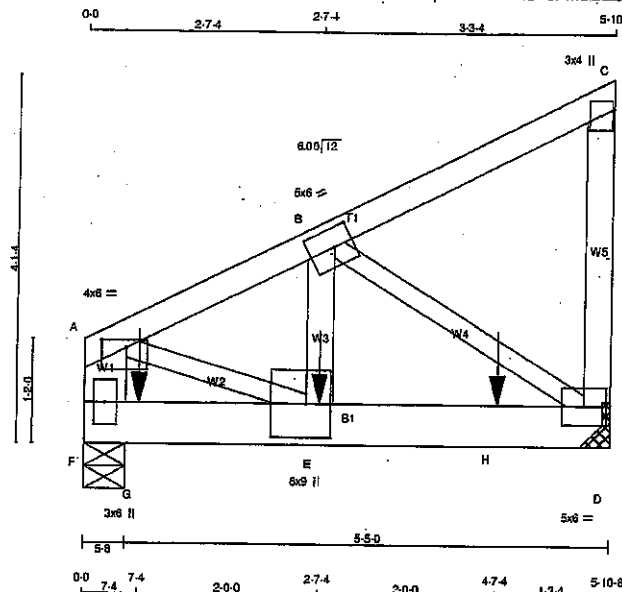
NOTES

- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.



Structural component only
DWG# T-2129739 *ML*

JOB NAME 417422	TRUSS NAME T12	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:17:20 2021 Page 1		ID:GV6EnpZB3IFFw?AU1oPMODzZmnp-5osCs9DaxowmjiHJ3Wch08LggXXHX6bHzSUaLzZ6a	



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
D - C	2x4	DRY	No.2	SPF	
F - A	2x6	DRY	No.2	SPF	
F - D	2x6	DRY	No.2	SPF	
ALL WEBS EXCEPT E - B	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C 1	12	TOP
C - D 1	12	TOP
F - A 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D 2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	8	
B - E 2	2	SIDE(753.3)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMVW-p	MT20	4.0	6.0	1.00	3.25

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	HORIZ	UPLIFT	IN-SX
D	3097	0	3097	0
F	2904	0	2904	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4'-0.

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED
D	2187 1453 / 0
F	2047 1382 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.89 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO									
A-B	-3594 / 0	-91.8	-91.8	0.09 (1)	4.89	E-B	0 / 3368	0.30 (1)	
B-C	-3 / 0	-91.8	-91.8	0.08 (1)	10.00	B-D	-3812 / 0	0.48 (1)	
D-C	-143 / 0	0.0	0.0	0.02 (1)	7.81	A-E	0 / 3358	0.42 (1)	
F-A	-2676 / 0	0.0	0.0	0.09 (1)	7.81				
F-G	0 / 0	-18.5	-18.5	0.05 (1)	10.00				
G-E	0 / 0	-18.5	-18.5	0.05 (1)	10.00				
E-H	0 / 3219	-18.5	-18.5	0.83 (1)	10.00				
H-D	0 / 3219	-18.5	-18.5	0.63 (1)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-7.4	-2535	-2535	---	BACK	VERT	TOTAL	---	C1
G	7-4	-203	-203	---	BACK	VERT	TOTAL	---	C1
H	4-7.4	-1038	-1038	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

TOTAL WEIGHT = 2 X 29 = 58 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.09/1.00 (A-F:1), BC=0.63/1.00 (D-E:1), WB=0.48/1.00 (B-C:1), SS=0.30/1.00 (D-E: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.

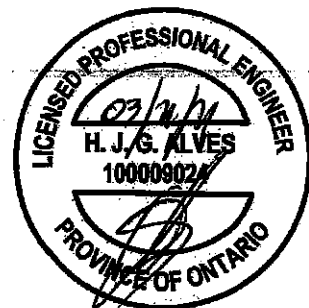
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	850 371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (A) (INPUT = 0.90)
JSI METAL= 0.49 (E) (INPUT = 1.00)



Structural component only
DWG# T-2108100

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	T12	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

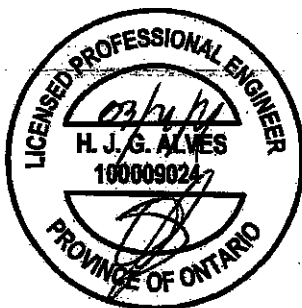
Version 8.420 S Jan 21 2021 MTek Industries, Inc. Sat Mar 20 08:17:20 2021 Page 2
ID:GV6EnoZB3lFFw?AU1oPMODzZmnp-5osCs9DaxowmllHJ3Wch08LggXXHX6bHzSUalZ28a

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-t	MT20	5.0	6.0	2.50	2.50
C	TMV-p	MT20	3.0	4.0		
D	BMVW1-t	MT20	5.0	6.0		
E	BMVW-t	MT20	8.0	9.0	4.50	3.25
F	BMV1-p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

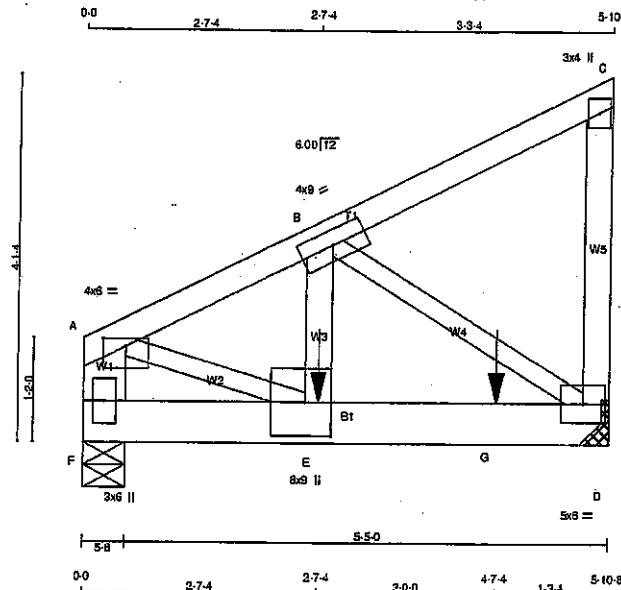


Structural component only
DWG# T-2108100 *m*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T12Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 29 = 58 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - A	2x6	DRY	No.2	SPF
F - D	2x6	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
E - B	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS			
A-C	1	12	TOP
C-D	1	12	TOP
F-A	2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS			
F-D	2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS			
2x3	1	6	
B-E	2	2	SIDE(851.0)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.00

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
D	2918	0	2918	0
F	2429	0	2429	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	2060	1372.0	0.0	0.0	0.0	889.0	0.0
F	1715	1142.0	0.0	0.0	0.0	572.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.10 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC)	MAX. UNBRACED LENGTH (FR-TO)	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. VERT. LOAD (LC)
FR-TO					FR-TO		
A-B	-3255.0	-91.8	-91.8	0.08 (1)	5.10	E-B	0.3018
B-C	-4.0	-91.8	-91.8	0.08 (1)	10.00	B-D	-3455.0
D-C	-140.0	0.0	0.0	0.02 (1)	7.81	A-E	0.3043
F-A	-2433.0	0.0	0.0	0.09 (1)	7.81		
F-E	0.0	-18.5	-18.5	0.03 (1)	10.00		
E-G	0.2917	-18.5	-18.5	0.82 (1)	10.00		
G-D	0.2917	-18.5	-18.5	0.82 (1)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-7-4	-2256	-2256	---	BACK	VERT	TOTAL	---	C1
G	4-7-4	-1081	-1081	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.8 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2018
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA C88-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.04")

CSI: TC=0.08/1.00 (A-F:1), BC=0.82/1.00 (D-E:1), WB=0.44/1.00 (B-D:1), SS=0.31/1.00 (D-E: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)	(PLI)
MAX	MIN	MAX	MIN
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (B) (INPUT = 0.90)
JSI METAL = 0.41 (E) (INPUT = 1.00)



Structural component only
DWG# T-2108108 1/2

CONTINUED ON PAGE 2

JOB NAME 417441	TRUSS NAME T12Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:38:14 2021 Page 2		ID:v5FX5BjloirZNLEnu26zoDzZ19Z-N1eG2xOAc5wDRalmQ0h6S4eL9W55hGAe3DrbfzZ6H7	

PLATES (table is in inches)

IT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-t	MT20	4.0	8.0		
C	TMV-p	MT20	3.0	4.0		
D	BMWW1-t	MT20	5.0	6.0		
E	BMWW-t	MT20	8.0	8.0	4.50	3.50
F	BMV1-p	MT20	3.0	6.0		

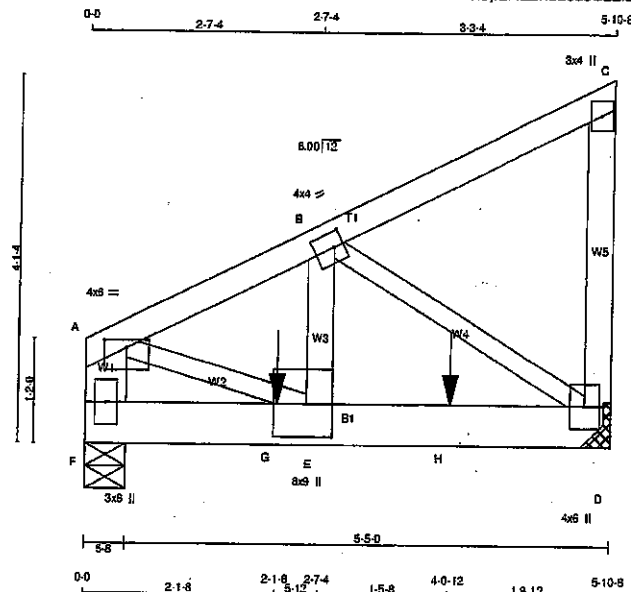
NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.



Structural component only
DWG# T-2108108 *ML*

JOB NAME 417441	TRUSS NAME T12Z2	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:38:15 2021 Page 1 ID:v5FX5BJ0rjZNLenu26zoDzZl9Z-sECeFHPoNO1mrB8UK8XwefdpLZwAqBikjzP76zZG6H6	



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF		
D - C	2x4 DRY	No.2	SPF		
F - A	2x6 DRY	No.2	SPF		
F - D	2x6 DRY	No.2	SPF		
ALL WEBS	2x3 DRY	No.2	SPF		
EXCEPT					
E - B	2x4 DRY	No.2	SPF		

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - D	12	TOP
F - A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
2x4	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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.

PLATES (tablets in inches)	PLATES	W	LEN	Y	X
JT TYPE					
A	TMVW-p	MT20	4.0	6.0	1.00 3.00
B	TMVW-t	MT20	4.0	4.0	2.00 1.25
C	TMV-p	MT20	3.0	4.0	
D	BMVW1-p	MT20	4.0	6.0	
E	BMVW-t	MT20	8.0	9.0	4.50 3.50
F	BMV1-p	MT20	3.0	6.0	

NOTES: (1)

1) Lateral braces to be a minimum of 2x4 SPF #2.

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	HORIZ	UPLIFT
D	1535	0	1535	0
F	1413	0	1413	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4'-0".

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	1082	734 / 0	0 / 0	0 / 0	0 / 0	347 / 0	0 / 0
F	995	675 / 0	0 / 0	0 / 0	0 / 0	320 / 0	0 / 0

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

BRACING

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

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

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	-1719 / 0	-91.8 -91.8 0.06 (1)	E-B	0 / 1442
B-C	-9 / 0	-91.8 -91.8 0.07 (1)	B-D	-1833 / 0
D-C	-130 / 0	0.0 0.0 0.02 (1)	A-E	0 / 1615
F-A	-1329 / 0	0.0 0.0 0.05 (1)		
F-G	0 / 0	-18.5 -18.5 0.15 (1)		
G-E	0 / 0	-18.5 -18.5 0.15 (1)		
E-H	0 / 1548	-18.5 -18.5 0.37 (1)		
H-D	0 / 1548	-18.5 -18.5 0.37 (1)		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2'-1-8	-809	-809	—	TOP	VERT	TOTAL	—	C1
H	4'-0-12	-809	-809	—	TOP	VERT	TOTAL	—	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

TOTAL WEIGHT = 2 X 29 = 59 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.8 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. CC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF OSC 2012 (2019 AMENDMENT)
- CSA 086-14
- TFC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/880 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.02")

CSI: TC=0.07/1.00 (B-C:1), BC=0.37/1.00 (D-E:1), WB=0.23/1.00 (B-D:1), SSI=0.37/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PLI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.81 (D) (INPUT = 0.90)

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

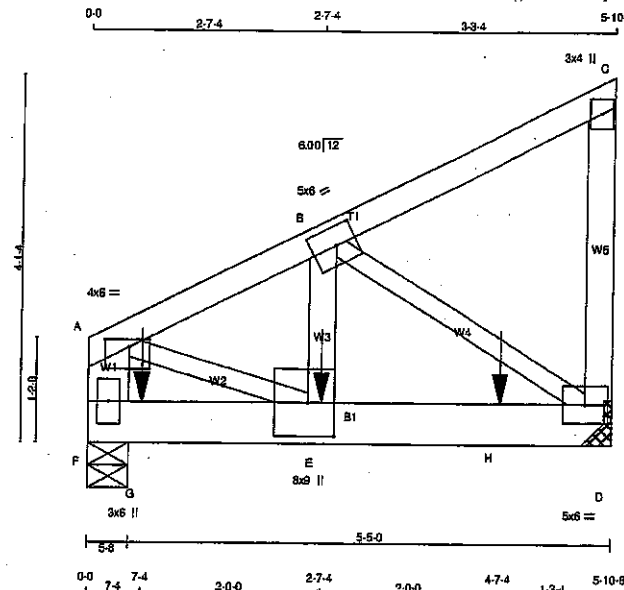


Structural component only
DWG# T-2108109

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T12Z3	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
D - C	2x4	DRY	No.2	SPF		
F - A	2x6	DRY	No.2	SPF		
F - D	2x6	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
E - B	2x4	DRY	No.2	SPF		

DRY: SEASONED LUMBER

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS			
A - C	1	12	TOP
C - D	1	12	TOP
F - A	2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS			
F - D	2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS			
2x3	1	6	SIDE(700.6)
B - E	2	2	SIDE(700.6)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25

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

BEARINGS		FACTORED			MAXIMUM FACTORED			INPUT	REQD
		GROSS REACTION		GROSS REACTION			BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
D	3094	0	3094	0	0	MECHANICAL			
F	2855	0	2855	0	0	5-8	5-8		

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4'-0".

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	2164	1436	0	0	0	728	0
F	2012	1358	0	0	0	654	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 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. VERT. LOAD (LBS)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LBS)
FR-TO		FROM TO	CSI (L/C)		FR-TO		CSI (L/C)
A-B	-3488 / 0	-91.8 -91.8	0.09 (1)	4.96	E-B	0 / 3257	0.29 (1)
B-C	-470	-91.8 -91.8	0.08 (1)	10.00	B-D	-3701 / 0	0.47 (1)
D-C	-142 / 0	0.0 0.0	0.02 (1)	7.81	A-E	0 / 3259	0.40 (1)
F-A	-2800 / 0	0.0 0.0	0.09 (1)	7.81			
F-G	0 / 0	-18.5 -18.5	0.06 (1)	10.00			
G-E	0 / 0	-18.5 -18.5	0.06 (1)	10.00			
E-H	0 / 3124	-18.5 -18.5	0.84 (1)	10.00			
H-D	0 / 3124	-18.5 -18.5	0.84 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-7-4	-2394	-2394	---	BACK	VERT	TOTAL	---	C1
G	7-4	-241	-241	---	TOP	VERT	TOTAL	---	C1
H	4-7-4	-1083	-1083	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.09/1.00 (A-F:1), BC=0.64/1.00 (D-E:1), WB=0.47/1.00 (B-D:1), SS=0.31/1.00 (D-E: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)	(PL)	(PL)	(PL)
MT20	650	371	1747
	788	1997	1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.44 (E) (INPUT = 1.00)



Structural component only
DWG# T-2108135

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T12Z3	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-t	MT20	5.0	8.0	2.50	2.75
C	TMV-p	MT20	3.0	4.0		
D	BMWV-t	MT20	5.0	6.0		
E	BMWV-t	MT20	8.0	8.0	4.50	3.50
F	BMV1-p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

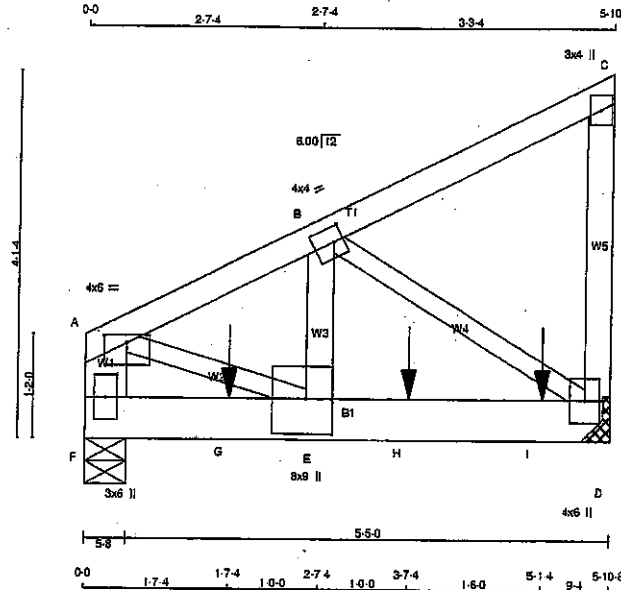


Structural component only
DWG# T-2108135 *m*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T12Z4	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 5 Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:52:38 2021 Page 1
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Scale = 1/2\"/>

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
D - C	2x4	DRY	No.2	SPF	
F - A	2x6	DRY	No.2	SPF	
F - D	2x6	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
E - B	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122\"X3\") SPIRAL NAILS			
A - C	1	12	TOP
C - D	1	12	TOP
F - A	2	12	TOP
BOTTOM CHORDS : (0.122\"X3\") SPIRAL NAILS			
F - D	2	12	SIDE(0.0)
WEBS : (0.122\"X3\") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMVW-p	MT20	4.0	6.0	1.00	3.00

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	UP/LIFT
D	2124	0	2124	0
F	1599	0	1599	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	1499	1000	0	0	0	499	0
F	1129	753	0	0	0	376	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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO												
A-B	-1819	0	-91.8	-91.8	0.06	(1)	8.25	E-B	0	1544	0.14	(1)
B-C	-9	0	-91.8	-91.8	0.07	(1)	10.00	B-D	-1938	0	0.24	(1)
D-C	-131	0	0.0	0.0	0.02	(1)	7.81	A-E	0	1707	0.21	(1)
F-A	-1400	0	0.0	0.0	0.05	(1)	7.81					
F-G	0	0	-18.5	-18.5	0.21	(1)	10.00					
G-E	0	0	-18.5	-18.5	0.21	(1)	10.00					
E-H	0	1636	-18.5	-18.5	0.37	(1)	10.00					
H-I	0	1636	-18.5	-18.5	0.37	(1)	10.00					
I-D	0	1636	-18.5	-18.5	0.37	(1)	10.00					

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-7-4	-723	-723	---	BACK	VERT	TOTAL	---	C1
H	3-7-4	-723	-723	---	BACK	VERT	TOTAL	---	C1
I	5-1-4	-724	-724	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

TOTAL WEIGHT = 2 X 29 = 59 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF	

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.07/1.00 (B-C:1), BC=0.37/1.00 (D-E:1), WB=0.24/1.00 (B-D:1), SS=0.38/1.00 (D-E: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)	(PU)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (B) (INPUT = 0.90)
JSI METAL= 0.37 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108136 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417443	T12Z4	1	2	GREENPARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-t	MT20	4.0	4.0	2.00	1.25
C	TMV+p	MT20	3.0	4.0		
D	BMVW1+p	MT20	4.0	6.0		
E	BMVW-t	MT20	8.0	9.0	4.75	3.50
F	BMV1+p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

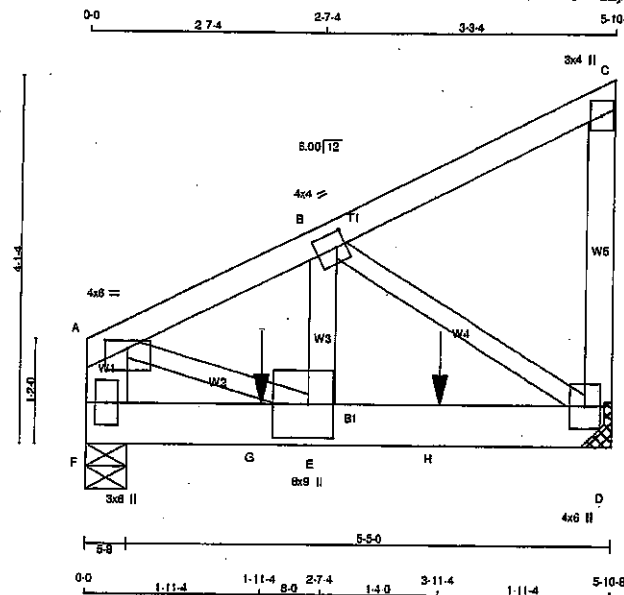


Structural component only
DWG# T-2108136 *m*

JOB NAME 417443	TRUSS NAME T12Z5	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 29 = 59 lb

LUMBER				N. L. G. A. RULES	
CHORDS	SIZE	LUMBER	DESCR.	SPF	
A - C	2x4	DRY	No.2	SPF	
D - E	2x4	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
E - B	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - D	12	TOP
F - A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	SIDE (0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	8	
2x4	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMVW-p	MT20	4.0	6.0	1.00	3.00

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	1071	0	1071	0	MECHANICAL	5-8
D	822	0	822	0	5-8	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

	1ST LOASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
JT	754	514'0	0'0	0'0	0'0	240'0	0'0
D	577	401'0	0'0	0'0	0'0	176'0	0'0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS		MEMB.	MAX. FACTORED FORCE (LBS)		MAX. FACTORED CSI (LC)
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. UNBRACED LENGTH		MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM	TO		FR-TO			
A-B	-1044'0	-91.8	-91.8	0.06 (1)	E-B	0'749	0.07 (1)	
B-C	-11'0	-91.8	-91.8	0.08 (1)	B-D	-1121'0	0.14 (1)	
D-C	-128'0	0.0	0.0	0.02 (1)	A-E	0'987	0.12 (1)	
F-A	-843'0	0.0	0.0	0.03 (1)				
F-G	0'0	-18.5	-18.5	0.11 (1)				
G-E	0'0	-18.5	-18.5	0.11 (1)				
E-H	0'946	-18.5	-18.5	0.29 (1)				
H-D	0'946	-18.5	-18.5	0.29 (1)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	-176	-176	FRONT	VERT	TOTAL	---	C1
H	3-11-4	-697	-697	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2015, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.02")

CSI: TC=0.06/1.00 (B-C:1), SC=0.29/1.00 (D-E:1), WB=0.14/1.00 (B-D:1), SSI=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.50 (D) (INPUT = 0.90)
JSI METAL = 0.21 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108137

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T12Z5	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-t	MT20	4.0	4.0	2.00	1.25
C	TMV+p	MT20	3.0	4.0		
D	BMVW1+p	MT20	4.0	6.0		
E	BMVW-t	MT20	8.0	9.0	4.50	3.25
F	BMV1+p	MT20	3.0	8.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

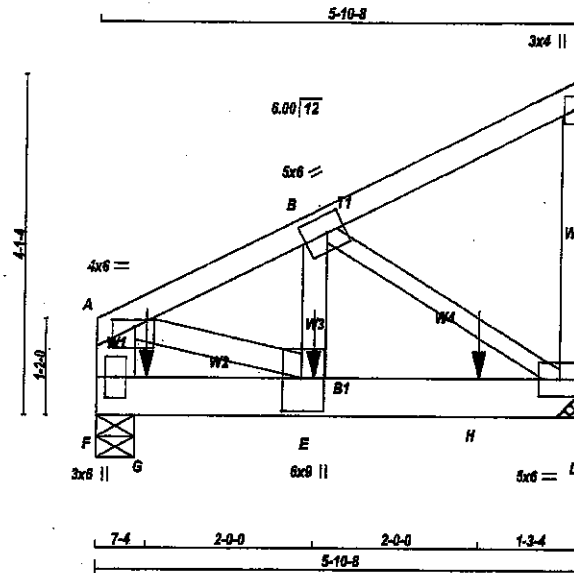


Structural component only
DWG# T-2108137 *ml*

JOB NAME 421219	TRUSS NAME T12Z9	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:25

TOTAL WEIGHT = 2 X 30 = 60 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
D - C	2x4	DRY	No.2
F - A	2x6	DRY	No.2
F - D	2x6	DRY	No.2
ALL WEBS EXCEPT	2x4	DRY	No.2
B - D	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		
A - C	12	TOP
C - D	12	TOP
F - A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
B - E	2	SIDE(788.9)
2x4	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 PILES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

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

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

BEARINGS								
	FACTORED		MAXIMUM FACTORED			INPUT	REQD	
	GROSS REACTION		GROSS REACTION			BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
D	3124	0	3124	0	0	MECHANICAL		
F	2938	0	2938	0	0	5-8	5-8	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	2208	1486 / 0	0 / 0	0 / 0	0 / 0	739 / 0	0 / 0
F	2070	1398 / 0	0 / 0	0 / 0	0 / 0	672 / 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 = 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			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE	VERT.	LC1	MAX.	MEMB.	FORCE	MAX
	(LBS)	LOAD	MAX	UNBRAC		(LBS)	CSI (LC)
FR-TO		FROM TO	CSI (LC)		FR-TO		
A-B	-3653 / 0	-91.8	-91.8 0.09 (1)	4.86	E-B	0 / 3423	0.30 (1)
B-C	-4 / 0	-91.8	-91.8 0.08 (1)	10.00	B-D	-3876 / 0	0.49 (1)
D-C	-141 / 0	0.0	0.0 0.02 (1)	7.81	A-E	0 / 3414	0.30 (1)
F-A	-2717 / 0	0.0	0.0 0.10 (1)	7.81			
F-G	0 / 0	-18.5	-18.5 0.05 (1)	10.00			
G-E	0 / 0	-18.5	-18.5 0.05 (1)	10.00			
E-H	0 / 3272	-18.5	-18.5 0.83 (1)	10.00			
H-D	0 / 3272	-18.5	-18.5 0.83 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
E	2-7-4	-2578	-2578	---	BACK	VERT	TOTAL	---	C1
G	7-4	-203	-203	---	BACK	VERT	TOTAL	---	C1
H	4-7-4	-1038	-1038	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	DL = 6.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN. C.C.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.02")
ALLOWABLE DEFL.(TL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.04")

CSI: TC=0.10/1.00 (A-F:1), BC=0.63/1.00 (D-E:1),
WB=0.49/1.00 (B-D:1), SS=0.30/1.00 (D-E: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	650 371	1747 788	1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (A) (INPUT = 0.90)

JSI METAL= 0.53 (E) (INPUT = 1.00)



Structural component only
DWG# T-2129740

CONTINUED ON PAGE 2

JOB NAME 421219	TRUSS NAME T1229	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TMVW-t	MT20	5.0	6.0	2.50	2.50
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-t	MT20	5.0	6.0		
E	BMVW-t	MT20	6.0	9.0	4.75	2.75
F	BMV1-p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

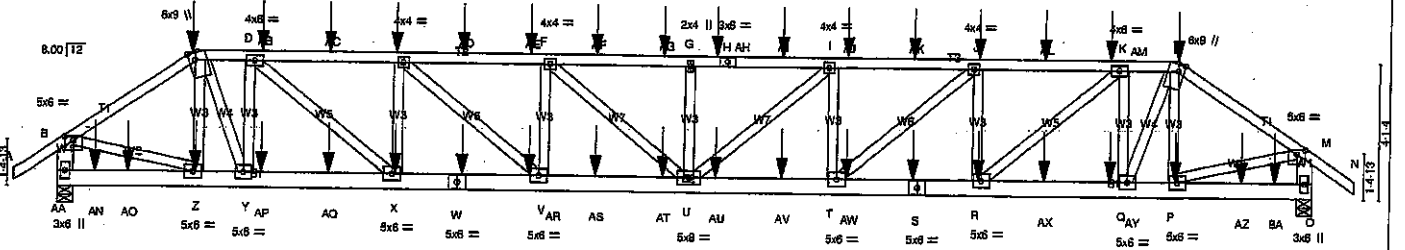
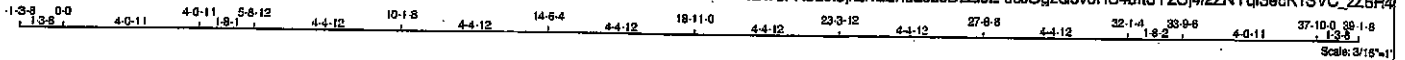


Structural component only
DWG# T-2129740 *me*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417441	T15	1	2	GREENPARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - H	2x4	DRY	No.2	SPF	
H - L	2x4	DRY	No.2	SPF	
L - N	2x4	DRY	No.2	SPF	
AA - B	2x6	DRY	No.2	SPF	
O - M	2x6	DRY	No.2	SPF	
AA - W	2x6	DRY	No.2	SPF	
W - S	2x6	DRY	No.2	SPF	
S - O	2x6	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE(61.0)
C - H	12	SIDE(61.0)
H - L	12	SIDE(61.0)
L - N	12	SIDE(61.0)
AA - B	2	TOP
O - M	2	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
AA - W	2	SIDE(183.1)
W - S	2	SIDE(0.0)
S - O	2	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x4	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.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
AA	3680	0	0	5-8
O	3680	0	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
AA	2603	1706	0	0	0	897	0
O	2603	1706	0	0	0	897	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 35	-91.8 -91.8 0.07 (1)	Z-C	-728 / 0
B-C	-4381 / 0	-91.8 -91.8 0.23 (1)	P-L	-728 / 0
C-D	-4746 / 0	-91.8 -91.8 0.20 (1)	B-Z	0 / 3740
D-AB	-7106 / 0	-91.8 -91.8 0.41 (1)	P-M	0 / 3740
AB-AC	-7106 / 0	-91.8 -91.8 0.41 (1)	Y-D	-2450 / 0
AC-E	-7106 / 0	-91.8 -91.8 0.41 (1)	Q-K	-2450 / 0
E-AD	-8495 / 0	-91.8 -91.8 0.51 (1)	R-K	0 / 3082
AD-AE	-8495 / 0	-91.8 -91.8 0.51 (1)	D-X	0 / 3082
AE-F	-8495 / 0	-91.8 -91.8 0.51 (1)	R-J	-1851 / 0
F-AF	-8943 / 0	-91.8 -91.8 0.54 (1)	X-E	-1851 / 0
AF-AG	-8943 / 0	-91.8 -91.8 0.54 (1)	T-J	0 / 1821
AG-G	-8943 / 0	-91.8 -91.8 0.54 (1)	E-V	0 / 1821
G-AH	-8943 / 0	-91.8 -91.8 0.54 (1)	T-I	-1024 / 0
AH-H	-8943 / 0	-91.8 -91.8 0.54 (1)	V-F	-1024 / 0
H-AI	-8943 / 0	-91.8 -91.8 0.54 (1)	U-I	0 / 590
AI-I	-8943 / 0	-91.8 -91.8 0.54 (1)	F-U	0 / 590
I-AJ	-8495 / 0	-91.8 -91.8 0.51 (1)	U-G	-857 / 0
AJ-AK	-8495 / 0	-91.8 -91.8 0.51 (1)	C-Y	0 / 2768
AK-J	-8495 / 0	-91.8 -91.8 0.51 (1)	Q-L	0 / 2768
J-AL	-7106 / 0	-91.8 -91.8 0.41 (1)		
AL-AM	-7106 / 0	-91.8 -91.8 0.41 (1)		
AM-K	-7106 / 0	-91.8 -91.8 0.41 (1)		
K-L	-4746 / 0	-91.8 -91.8 0.20 (1)		
L-M	-4381 / 0	-91.8 -91.8 0.23 (1)		
M-N	0 / 35	-91.8 -91.8 0.07 (1)		
AA-B	-3615 / 0	0.0 0.0 0.13 (1)		
O-M	-3615 / 0	0.0 0.0 0.13 (1)		

AA-AN	0 / 0	-18.5 -18.5 0.04 (4)	10.00
AN-AO	0 / 0	-18.5 -18.5 0.04 (4)	10.00
AO-Z	0 / 0	-18.5 -18.5 0.04 (4)	10.00
Z-Y	0 / 3810	-18.5 -18.5 0.24 (1)	10.00
Y-AP	0 / 4747	-18.5 -18.5 0.35 (1)	10.00
AP-AQ	0 / 4747	-18.5 -18.5 0.35 (1)	10.00
AQ-X	0 / 4747	-18.5 -18.5 0.35 (1)	10.00
X-W	0 / 7106	-18.5 -18.5 0.51 (1)	10.00
W-AR	0 / 7106	-18.5 -18.5 0.51 (1)	10.00
AR-V	0 / 7106	-18.5 -18.5 0.51 (1)	10.00
V-AS	0 / 8495	-18.5 -18.5 0.62 (1)	10.00
AS-AT	0 / 8495	-18.5 -18.5 0.62 (1)	10.00
AT-U	0 / 8495	-18.5 -18.5 0.62 (1)	10.00
U-AU	0 / 8495	-18.5 -18.5 0.62 (1)	10.00

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN.CC

LOADING IN PLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDTL. USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.28")
ALLOWABLE DEFL.(TL) = L/360 (1.28")
CALCULATED VERT. DEFL.(TL) = L/855 (0.53")

CSI: TC=0.54/1.00 (F-G:1), BC=0.62/1.00 (U-V:1),
WB=0.33/1.00 (B-Z:1), SS=0.15/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.88 (2) (INPUT = 0.90)
JSI METAL=0.66 (W) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2108110

JOB NAME 417441	TRUSS NAME T15	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	1.50	3.00
C TTWW+m	MT20	6.0	9.0	Edge	2.00
D TMWW-t	MT20	4.0	6.0		
E, F, I, J					
E TMWW-t	MT20	4.0	4.0		
G TMW-w	MT20	2.0	4.0		
H TS-t	MT20	3.0	6.0		
K TMWW-t	MT20	4.0	6.0		
L TTWW+m	MT20	6.0	9.0	Edge	2.00
M TMVW-p	MT20	5.0	6.0	1.50	3.00
O BMV1-p	MT20	3.0	6.0		
P, Q, R, T, V, X, Y, Z					
P BMWW-t	MT20	5.0	6.0		
S BS-t	MT20	5.0	6.0		
U BMWWW-t	MT20	5.0	8.0		
V BS-t	MT20	5.0	6.0		
AA BMV1-p	MT20	3.0	6.0		

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

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO							
AU-AV	0 / 8495	-18.5	-18.5 0.82 (1)	10.00			
AV-T	0 / 8495	-18.5	-18.5 0.82 (1)	10.00			
T-AW	0 / 7106	-18.5	-18.5 0.51 (1)	10.00			
AW-S	0 / 7106	-18.5	-18.5 0.51 (1)	10.00			
S-R	0 / 7106	-18.5	-18.5 0.51 (1)	10.00			
R-AX	0 / 4747	-18.5	-18.5 0.35 (1)	10.00			
AX-AY	0 / 4747	-18.5	-18.5 0.35 (1)	10.00			
AY-Q	0 / 4747	-18.5	-18.5 0.35 (1)	10.00			
Q-P	0 / 3610	-18.5	-18.5 0.24 (1)	10.00			
P-AZ	0 / 0	-18.5	-18.5 0.04 (4)	10.00			
AZ-BA	0 / 0	-18.5	-18.5 0.04 (4)	10.00			
BA-O	0 / 0	-18.5	-18.5 0.04 (4)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-11	-41	-41	--	FRONT	VERT	DEAD	--	C1
C	4-0-11	-82	-82	--	FRONT	VERT	TOTAL	--	C1
C	4-0-11	-175	-175	--	FRONT	VERT	SNOW	--	C1
E	10-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
J	27-8-10	-76	-76	--	FRONT	VERT	TOTAL	--	C1
L	33-9-6	-41	-41	--	FRONT	VERT	DEAD	--	C1
L	33-9-6	-82	-82	--	FRONT	VERT	TOTAL	--	C1
P	33-9-6	-175	-175	--	FRONT	VERT	SNOW	--	C1
R	27-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
S	25-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
W	12-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
X	10-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
Z	4-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AB	6-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AC	8-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AD	12-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AE	14-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AF	16-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AG	18-1-7	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AH	19-8-9	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AI	21-8-10	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AJ	23-8-10	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AK	25-8-10	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AL	29-8-10	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AM	31-8-9	-76	-76	--	FRONT	VERT	TOTAL	--	C1
AN	1-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AO	2-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AP	6-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AQ	8-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AR	14-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AS	16-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AT	18-1-7	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AU	19-8-9	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AV	21-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AW	23-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AX	29-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AY	31-8-9	-21	-21	--	FRONT	VERT	TOTAL	--	C1
AZ	35-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1
BA	36-8-10	-21	-21	--	FRONT	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

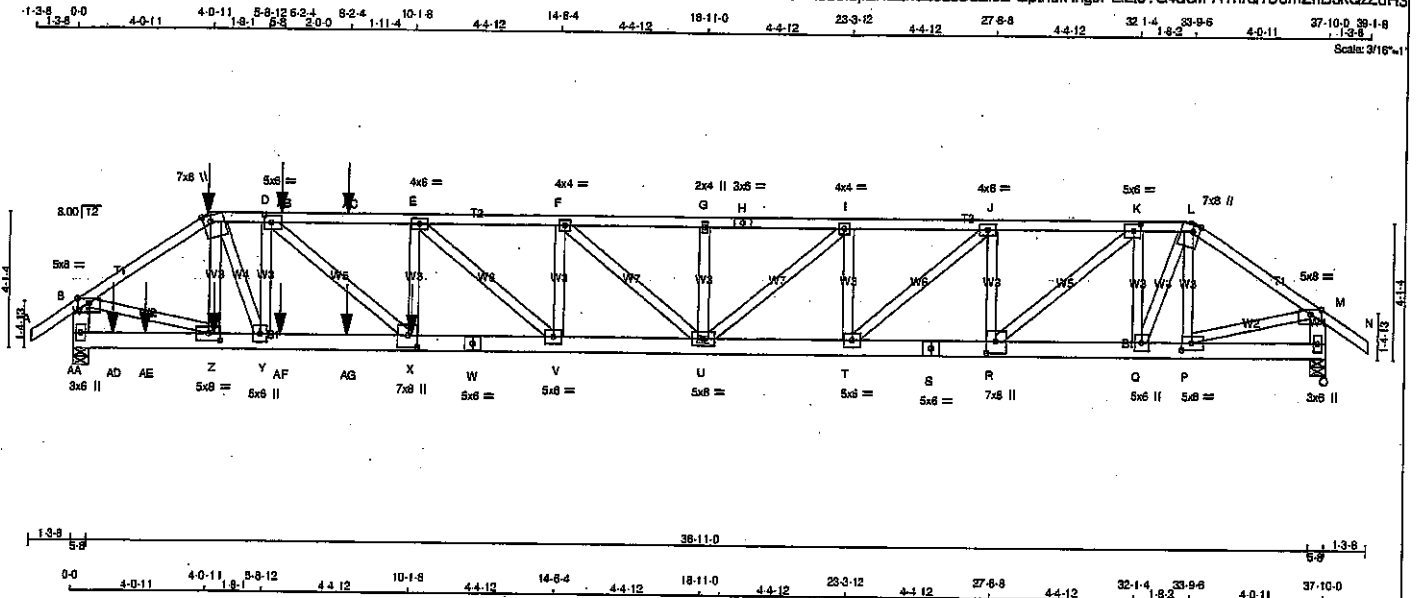


Structural component only
DWG# T-2108110 *mm*

JOB NAME 417441	TRUSS NAME T15Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - H	2x4	DRY	No.2
H - L	2x4	DRY	No.2
L - N	2x4	DRY	No.2
AA - B	2x6	DRY	No.2
O - M	2x6	DRY	No.2
AA - W	2x6	DRY	No.2
W - S	2x6	DRY	No.2
S - O	2x6	DRY	No.2

ALL WEBS 2x4 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	SIDE(81.0)
C - H	12	SIDE(81.0)
H - L	12	TOP
L - N	12	TOP
AA - B	12	TOP
O - M	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
AA - W	12	SIDE(183.1)
W - S	12	TOP
S - O	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x4	8	SIDE(573.4)
X - E	3	
R - J	3	

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.

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	UPLIFT
AA	5012	0	5012	0
O	3094	0	3094	0

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
AA	3539	2352.0	0.0	0.0	0.0	1187.0	0.0
O	2184	1456.0	0.0	0.0	0.0	729.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.54 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO									
A-B	0/35	-61.8	-61.8	0.07 (1)	10.00	Z-C	-1097.0	0.10 (1)	
B-C	-6150.0	-61.8	-61.8	0.32 (1)	3.71	F-L	-635.0	0.06 (1)	
C-D	-6205.0	-61.8	-61.8	0.29 (1)	3.55	B-Z	0.5250	0.46 (1)	
D-AB	-10678.0	-61.8	-61.8	0.72 (1)	2.54	P-M	0.3113	0.28 (1)	
AB-AC	-10678.0	-61.8	-61.8	0.72 (1)	2.54	Y-D	-3720.0	0.34 (1)	
AC-E	-10678.0	-61.8	-61.8	0.72 (1)	2.54	Q-K	-2380.0	0.22 (1)	
E-F	-10529.0	-61.8	-61.8	0.83 (1)	2.86	R-K	0.3248	0.29 (1)	
F-G	-9751.0	-61.8	-61.8	0.53 (1)	2.86	D-X	0.5058	0.46 (1)	
G-H	-9751.0	-61.8	-61.8	0.53 (1)	2.86	R-J	-2020.0	0.18 (1)	
H-I	-9751.0	-61.8	-61.8	0.53 (1)	2.85	X-E	-355.0	0.03 (1)	
I-J	-9469.0	-61.8	-61.8	0.44 (1)	3.12	T-J	0.2473	0.22 (1)	
J-K	-6582.0	-61.8	-61.8	0.31 (1)	3.93	E-V	-196.0	0.04 (1)	
K-L	-4094.0	-61.8	-61.8	0.13 (1)	4.74	T-I	-1498.0	0.14 (1)	
L-M	-3846.0	-61.8	-61.8	0.21 (1)	4.60	V-F	0.271	0.02 (1)	
M-N	0/35	-61.8	-61.8	0.07 (1)	10.00	L-I	0.1690	0.15 (1)	
AA-B	-4948.0	0.0	0.0	0.19 (1)	6.53	F-U	-1024.0	0.20 (1)	
O-M	-3061.0	0.0	0.0	0.11 (1)	7.81	U-G	-395.0	0.04 (1)	
						C-Y	0.4235	0.37 (1)	
						Q-L	0.2655	0.23 (1)	

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-11	-41	-41	---	FRONT	VERT	DEAD	C1
C	4-0-11	-81	-81	---	BACK	VERT	TOTAL	C1
C	4-0-11	-175	-175	---	FRONT	VERT	SNOW	C1
X	10-1-8	-2045	-2045	---	BACK	VERT	TOTAL	C1
Z	4-2-4	-21	-21	---	BACK	VERT	TOTAL	C1

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	= 25.6 PSF
	DL	= 8.0 PSF
BOT CH.	LL	= 0.0 PSF
	DL	= 7.4 PSF
TOTAL LOAD		= 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.33")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/758 (0.60")

CSI: TC=0.72/1.00 (D-E-1), BC=0.78/1.00 (V-X-1), WB=0.48/1.00 (B-Z-1), SS=0.15/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	850	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.89 (Y) (INPUT = 0.90)
JSI METAL=1.00 (W) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2108111

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T15Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTWW+m	MT20	7.0	8.0	Edge	2.50
D	TMWW-t	MT20	5.0	6.0	2.50	2.50
E	TMWW-t	MT20	4.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMW-w	MT20	2.0	4.0		
H	TS-t	MT20	3.0	6.0		
I	TMWW-t	MT20	4.0	4.0		
J	TMWW-t	MT20	4.0	6.0		
K	TMWW-t	MT20	5.0	8.0	2.50	2.50
L	TTWW+m	MT20	7.0	8.0	Edge	2.50
M	TMWW-p	MT20	5.0	8.0	Edge	
O	BMV-t	MT20	3.0	6.0		
P	BMWW-t	MT20	5.0	8.0	2.50	3.75
Q	BMWW-t	MT20	6.0	6.0		
R	BMWW-t	MT20	7.0	8.0	4.25	3.25
S	BS-t	MT20	5.0	6.0		
T	BMWW-t	MT20	5.0	8.0		
U	BMWW-t	MT20	5.0	8.0		
V	BMWW-t	MT20	5.0	6.0		
W	BS-t	MT20	5.0	6.0		
X	BMWW-t	MT20	7.0	8.0	4.25	3.25
Y	BMWW-t	MT20	5.0	6.0		
Z	BMWW-t	MT20	5.0	8.0	2.50	3.75
AA	BMV-t	MT20	3.0	6.0		

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

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AB	6-2-4	-76	-76	---	BACK	VERT	TOTAL	---	C1
AC	8-2-4	-76	-76	---	BACK	VERT	TOTAL	---	C1
AD	1-2-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AE	2-2-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AF	6-2-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AG	8-2-4	-21	-21	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

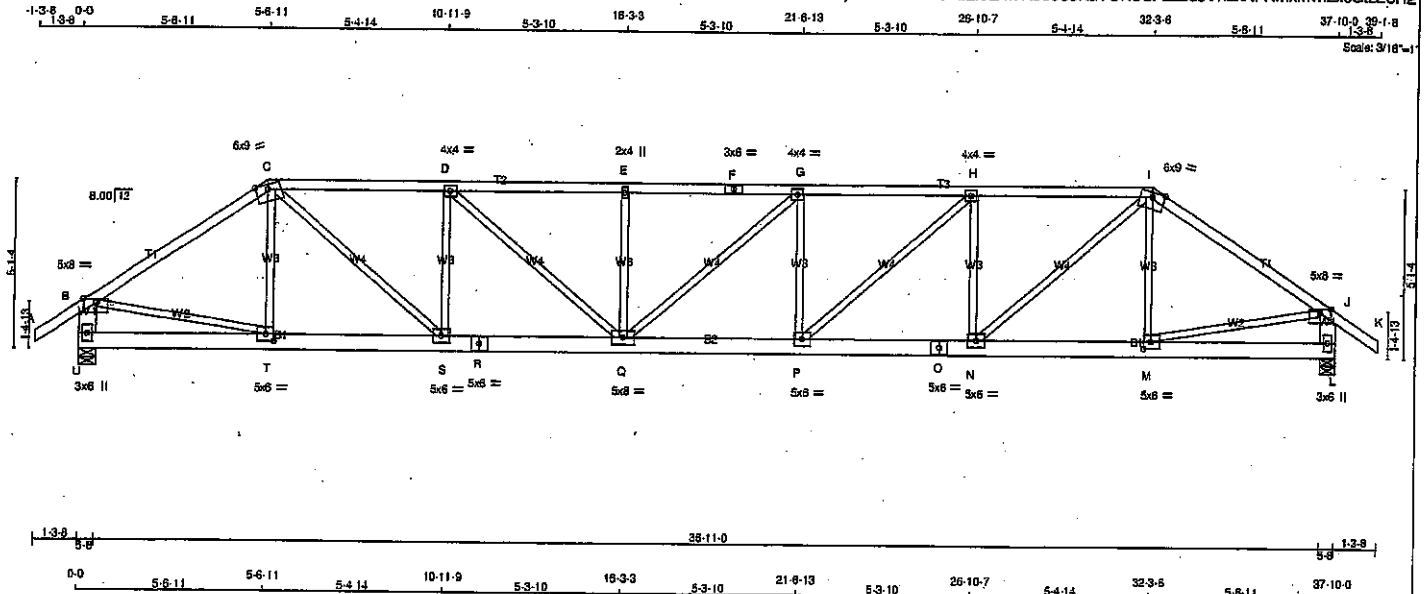
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108111

JOB NAME 417441	TRUSS NAME T16	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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LUMBER			
N. L. & A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
I - K	2x4	DRY	No.2
U - B	2x6	DRY	No.2
U - J	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTWW-m	MT20	6.0	9.0	Edge	
D, G, H						
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
I	TTWW-m	MT20	6.0	9.0	Edge	
J	TMVW-p	MT20	5.0	8.0	Edge	
L	BMV1-p	MT20	3.0	6.0		
M	BMVW-t	MT20	5.0	6.0	2.50	2.75
N, P, S						
N	BMVW-t	MT20	5.0	6.0		
O	BS-t	MT20	5.0	6.0		
Q	BMVW-t	MT20	5.0	8.0		
R	BS-t	MT20	5.0	6.0		
T	BMVW-t	MT20	5.0	6.0	2.50	2.75
U	BMV1-p	MT20	3.0	6.0		

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

NOTES:

(1) Lateral braces to be a minimum of 2x4 SPF #2.

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQ'D	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
U	2212	0	2212	0	0	5-8	5-8
L	2212	0	2212	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
L	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.89 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	CS1 (LC)	MAX. UNBRAC. LENGTH	MEMB.	FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	T-C	-256 / 0	0.09 (1)
B-C	-2541 / 0	-91.8	-91.8 0.74 (1)	3.59	M-I	-254 / 2	0.09 (1)
C-D	-3489 / 0	-91.8	-91.8 0.66 (1)	3.22	B-T	0 / 2145	0.48 (1)
D-E	-4120 / 0	-91.8	-91.8 0.75 (1)	2.89	M-J	0 / 2145	0.48 (1)
E-F	-4120 / 0	-91.8	-91.8 0.62 (1)	3.05	N-I	0 / 1832	0.41 (1)
F-G	-4120 / 0	-91.8	-91.8 0.82 (1)	3.05	C-S	0 / 1835	0.41 (1)
G-H	-4128 / 0	-91.8	-91.8 0.75 (1)	2.89	N-H	-1115 / 0	0.40 (1)
H-I	-3487 / 0	-91.8	-91.8 0.65 (1)	3.22	S-D	-1108 / 0	0.40 (1)
I-J	-2542 / 0	-91.8	-91.8 0.74 (1)	3.59	P-H	0 / 858	0.19 (1)
J-K	0 / 35	-91.8	-91.8 0.12 (1)	10.00	D-Q	0 / 845	0.19 (1)
U-B	-2166 / 0	0.0	0.0 0.14 (1)	6.93	P-G	-467 / 0	0.17 (1)
L-J	-2167 / 0	0.0	0.0 0.14 (1)	6.93	Q-E	-470 / 0	0.17 (1)
					Q-G	-11 / 0	0.01 (1)
U-T	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
T-S	0 / 2106	-18.5	-18.5 0.28 (1)	10.00			
S-R	0 / 3489	-18.5	-18.5 0.47 (1)	10.00			
R-O	0 / 3489	-18.5	-18.5 0.47 (1)	10.00			
Q-P	0 / 4128	-18.5	-18.5 0.55 (1)	10.00			
P-O	0 / 3487	-18.5	-18.5 0.48 (1)	10.00			
O-N	0 / 3487	-18.5	-18.5 0.48 (1)	10.00			
N-M	0 / 2107	-18.5	-18.5 0.28 (1)	10.00			
M-L	0 / 0	-18.5	-18.5 0.08 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.25")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/990 (0.46")

CS1: TC=0.75/1.00 (D-E:1), BC=0.55/1.00 (P-Q:1), WB=0.48/1.00 (J-K:1), SS=0.23/1.00 (O-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLJ)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (F) (INPUT = 0.80)

JSI METAL= 0.63 (F) (INPUT = 1.00)

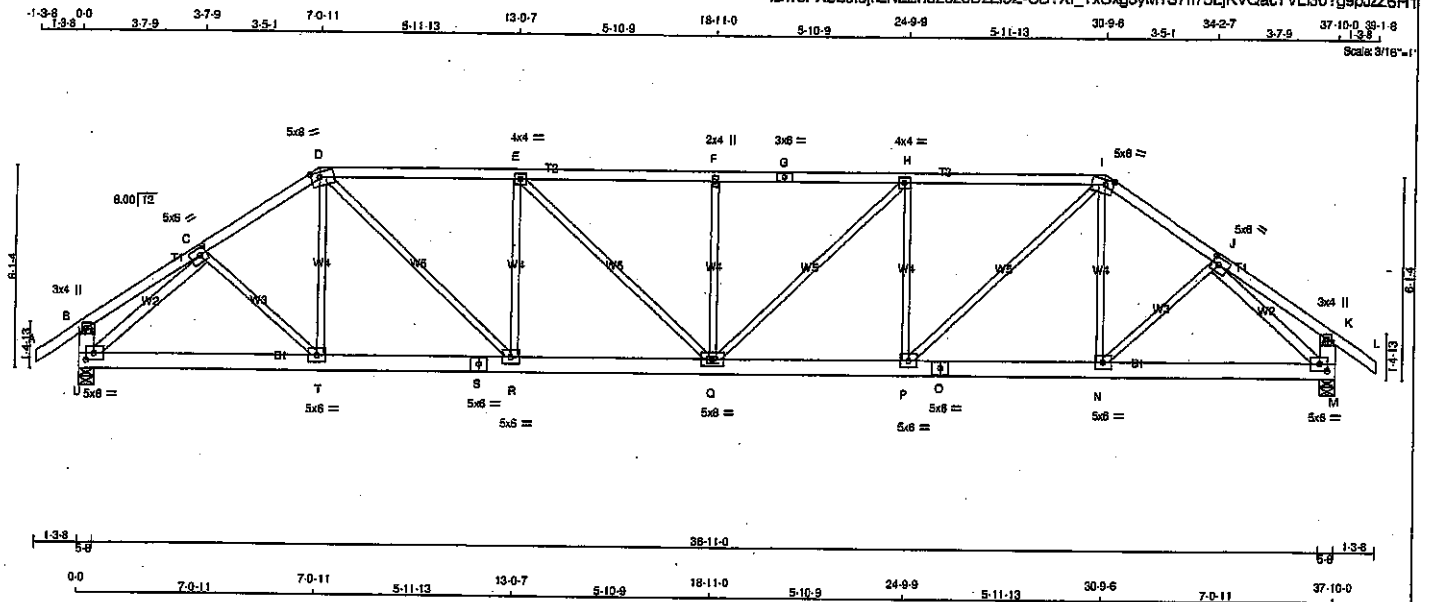


Structural component only
DWG# T-2108112

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
417441	T17	2	1	GREENPARK HOMES		

Tamarack Roof Truss, Burlington

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LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
U - B	2x6	DRY	No.2
U - K	2x6	DRY	No.2
U - S	2x6	DRY	No.2
U - O	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
U - C	2x4	DRY	No.2
J - M	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVW-t	MT20	5.0	6.0	2.50	2.50
D TTWW-m	MT20	5.0	8.0	1.75	3.00
E TMVW-t	MT20	4.0	4.0		
F TMVW-t	MT20	2.0	4.0		
G TS-t	MT20	3.0	6.0		
H TMVW-t	MT20	4.0	4.0		
I TTWW-m	MT20	5.0	8.0	1.75	3.00
J TMVW-t	MT20	5.0	6.0	2.50	2.50
K TMV+p	MT20	3.0	4.0		
M BMVW-t	MT20	5.0	6.0	2.50	2.75
N, P, R, T					
N BMVW-t	MT20	5.0	6.0		
O BS-t	MT20	5.0	6.0		
Q BMVW-t	MT20	5.0	8.0		
S BS-t	MT20	5.0	6.0		
U BMVW-t	MT20	5.0	6.0	2.50	2.75

NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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		
U	2212	0	2212	0	0	5-8	5-8		
M	2212	0	2212	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
M	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.04 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)
FR-TO				FR-TO					
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	C-T	0 / 143	0.03 (4)	
B-C	0 / 19	-91.8	-91.8	0.16 (1)	10.00	T-D	0 / 92	0.03 (4)	
C-D	-2557 / 0	-91.8	-91.8	0.29 (1)	4.10	N-I	0 / 92	0.03 (4)	
D-E	-3172 / 0	-91.8	-91.8	0.77 (1)	3.22	N-J	0 / 143	0.03 (4)	
E-F	-3478 / 0	-91.8	-91.8	0.82 (1)	3.04	U-C	-2762 / 0	0.69 (1)	
F-G	-3478 / 0	-91.8	-91.8	0.82 (1)	3.04	J-M	-2762 / 0	0.69 (1)	
G-H	-3478 / 0	-91.8	-91.8	0.82 (1)	3.04	P-I	0 / 1470	0.33 (1)	
H-I	-3172 / 0	-91.8	-91.8	0.77 (1)	3.22	D-R	0 / 1470	0.33 (1)	
I-J	-2557 / 0	-91.8	-91.8	0.29 (1)	4.10	P-H	-912 / 0	0.50 (1)	
J-K	0 / 19	-91.8	-91.8	0.16 (1)	10.00	R-E	-912 / 0	0.50 (1)	
K-L	0 / 35	-91.8	-91.8	0.12 (1)	10.00	Q-H	0 / 427	0.10 (1)	
U-B	-254 / 0	0.0	0.0	0.02 (1)	7.81	E-Q	0 / 427	0.10 (1)	
M-K	-254 / 0	0.0	0.0	0.02 (1)	7.81	Q-F	-496 / 0	0.27 (1)	
U-T	0 / 2003	-18.5	-18.5	0.29 (1)	10.00				
T-S	0 / 2109	-18.5	-18.5	0.30 (1)	10.00				
S-R	0 / 2109	-18.5	-18.5	0.30 (1)	10.00				
R-Q	0 / 3172	-18.5	-18.5	0.43 (1)	10.00				
Q-P	0 / 3172	-18.5	-18.5	0.43 (1)	10.00				
P-O	0 / 2109	-18.5	-18.5	0.30 (1)	10.00				
O-N	0 / 2109	-18.5	-18.5	0.30 (1)	10.00				
N-M	0 / 2003	-18.5	-18.5	0.29 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 81.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.18")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.33")

CS1: TC=0.82/1.00 (FH:1), BC=0.43/1.00 (Q-R:1), WB=0.69/1.00 (C-U:1), SS=0.26/1.00 (H-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

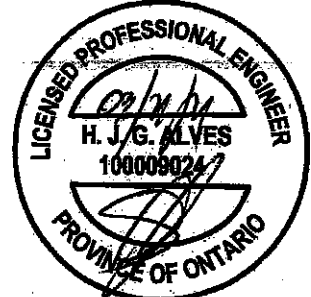
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.89 (I) (INPUT = 0.90)

JSI METAL=0.83 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108113

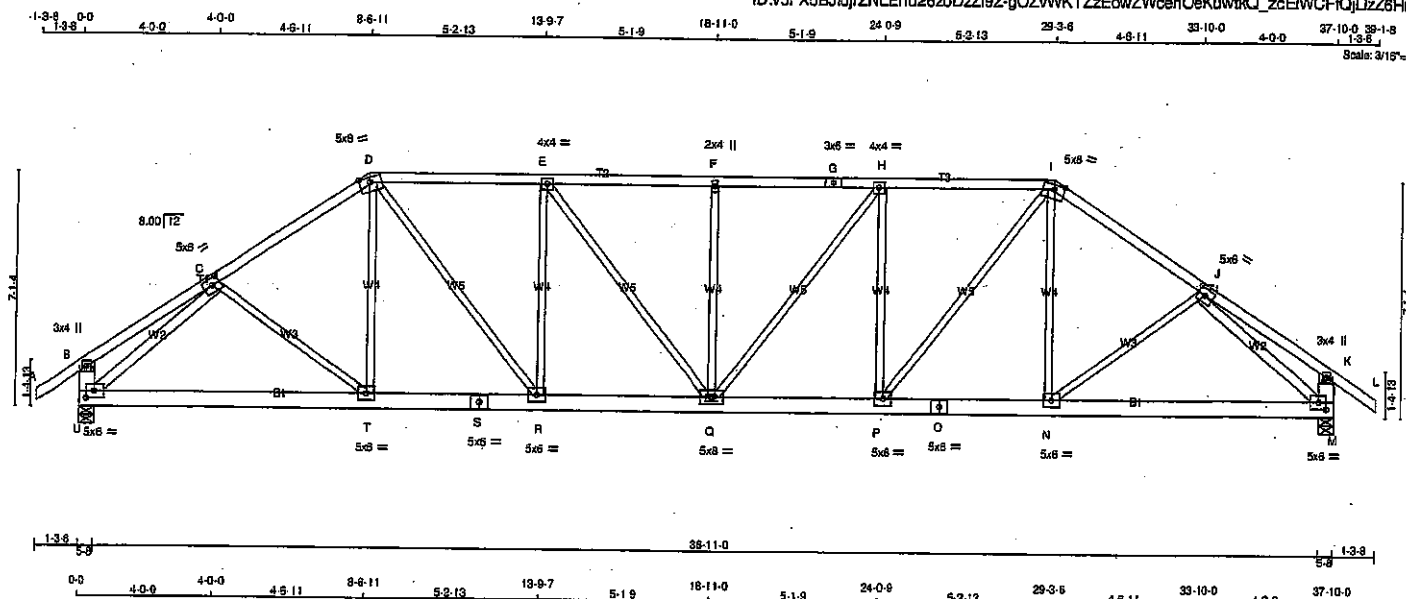
JOB NAME 417441	TRUSS NAME T18	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:v5FX5BJ0jrZNLEnu26zoDzI9Z-gOZVWKTZzEowZWchOeKuwtkQ_zcEWCFIOjLzZ6H0

Scale: 3/16"=1'



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
U - B	2x6	DRY	No.2
M - K	2x6	DRY	No.2
U - S	2x6	DRY	No.2
S - O	2x6	DRY	No.2
O - M	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
U - C	2x4	DRY	No.2
J - M	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV-w	MT20	3.0	4.0		
C TMWV-w	MT20	5.0	6.0	2.50	2.75
D TTWV-m	MT20	5.0	8.0	1.75	3.75
E TMWV-w	MT20	4.0	4.0		
F TMW-w	MT20	2.0	4.0		
G TS-t	MT20	3.0	6.0		
H TMWV-m	MT20	4.0	4.0		
I TTWV-m	MT20	5.0	8.0	1.75	3.75
J TMWV-w	MT20	5.0	6.0	2.50	2.75
K TMV-w	MT20	3.0	4.0		
M BMWV-1	MT20	5.0	6.0	2.50	2.75
N, P, R, T					
O BMWV-1	MT20	5.0	6.0		
Q BS-t	MT20	5.0	6.0		
R BMWV-w	MT20	5.0	8.0		
S BS-t	MT20	5.0	6.0		
U BMWV-1	MT20	5.0	6.0	2.50	2.75

NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	VERT	GROSS REACTION	BRG	BRG
M	2212	0	2212	0	0
U	2212	0	2212	0	0

UNFACTORED REACTIONS		1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
M	1562	1038 / 0	0 / 0
U	1562	1038 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING - 3.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH - 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 35	-91.8 -91.8	0.12 (1)	10.00	T-D	0 / 140 0.05 (4)	
B-C	0 / 27	-91.8 -91.8	0.27 (1)	10.00	N-I	0 / 140 0.05 (4)	
C-D	-2515 / 0	-91.8 -91.8	0.41 (1)	3.99	P-I	0 / 1110 0.25 (1)	
D-E	-2755 / 0	-91.8 -91.8	0.53 (1)	3.99	D-R	0 / 1110 0.25 (1)	
E-F	-2952 / 0	-91.8 -91.8	0.54 (1)	3.56	P-H	-795 / 0 0.85 (1)	
F-G	-2952 / 0	-91.8 -91.8	0.54 (1)	3.56	R-E	-795 / 0 0.85 (1)	
G-H	-2952 / 0	-91.8 -91.8	0.54 (1)	3.56	Q-H	0 / 325 0.07 (1)	
H-I	-2755 / 0	-91.8 -91.8	0.53 (1)	3.99	E-Q	0 / 325 0.07 (1)	
I-J	-2515 / 0	-91.8 -91.8	0.41 (1)	3.99	Q-F	-432 / 0 0.35 (1)	
J-K	0 / 27	-91.8 -91.8	0.27 (1)	10.00	C-T	0 / 71 0.02 (4)	
K-L	0 / 35	-91.8 -91.8	0.12 (1)	10.00	U-C	-2785 / 0 0.85 (1)	
U-B	-255 / 0	0.0 0.0	0.02 (1)	7.81	N-J	0 / 71 0.02 (4)	
M-K	-255 / 0	0.0 0.0	0.02 (1)	7.81	J-M	-2785 / 0 0.85 (1)	
U-T	0 / 2047	-18.5 -18.5	0.33 (1)	10.00			
T-S	0 / 2073	-18.5 -18.5	0.31 (1)	10.00			
S-R	0 / 2073	-18.5 -18.5	0.31 (1)	10.00			
R-Q	0 / 2755	-18.5 -18.5	0.37 (1)	10.00			
Q-P	0 / 2755	-18.5 -18.5	0.37 (1)	10.00			
P-O	0 / 2073	-18.5 -18.5	0.31 (1)	10.00			
O-N	0 / 2073	-18.5 -18.5	0.31 (1)	10.00			
N-M	0 / 2047	-18.5 -18.5	0.33 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.28")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.14")
ALLOWABLE DEFL. (TL) = L/360 (1.28")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.26")

CSI: TC=0.54/1.00 (F-H:1), BC=0.37/1.00 (Q-R:1), WB=0.85/1.00 (J-M:1), SS=0.23/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE 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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.88 (U) (INPUT = 0.90.)
JSI METAL = 0.63 (J) (INPUT = 1.00)



Structural component only
DWG# T-2108114

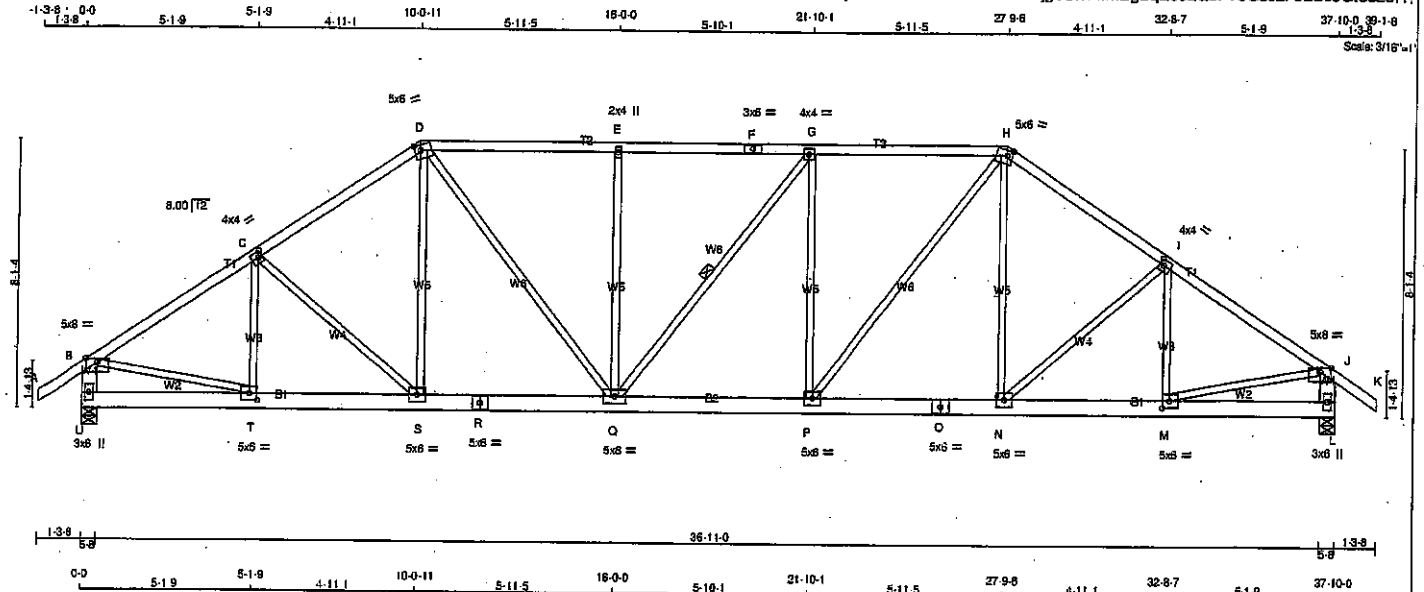
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T19	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:v5FX5BJ0rZNLEnu26zoDzZi9Z-8a7HjgUBKvYmBgBqE69ZQ8PvCOJzF8LUJ9GtCzZ6H?

Scale: 3/16"=1'



LUMBER

ALL L.G.A. RULES

CHORDS SIZE

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
U - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2

ALL WEBS 2x3 DRY EXCEPT

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	TTWW-m	MT20	5.0	6.0	2.00	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMVW-l	MT20	4.0	4.0		
H	TTWW-m	MT20	5.0	6.0	2.00	2.00
I	TMVW-l	MT20	4.0	4.0	2.00	1.50
J	TMVW-p	MT20	5.0	8.0	Edge	
L	BMV1-p	MT20	3.0	6.0		
M	BMVW-l	MT20	5.0	6.0	2.50	2.50
N, P, S						
N	BMVW-l	MT20	5.0	6.0		
O	BS-t	MT20	5.0	6.0		
Q	BMVW-l	MT20	5.0	6.0		
R	BS-t	MT20	5.0	6.0		
T	BMVW-l	MT20	5.0	6.0	2.50	2.75
U	BMV1-p	MT20	3.0	6.0		

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

NOTES:

1) Lateral braces to be a minimum of 2x4 SPF #2.

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	UPLIFT
U	2212	0	2212	0
L	2212	0	2212	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1582	1038	0	0	0	523	0
L	1582	1038	0	0	0	523	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.89 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-Q.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0/35	-91.8 -91.8	0.12 (1)	10.00	T-C	-349/0	0.11 (1)
B-C	-2582/0	-91.8 -91.8	0.40 (1)	3.98	C-S	-195/0	0.16 (1)
C-D	-2440/0	-91.8 -91.8	0.39 (1)	4.06	S-D	0/259	0.06 (1)
D-E	-2531/0	-91.8 -91.8	0.48 (1)	3.89	D-Q	0/863	0.19 (1)
E-F	-2532/0	-91.8 -91.8	0.44 (1)	3.54	Q-E	-584/0	0.70 (1)
F-G	-2532/0	-91.8 -91.8	0.44 (1)	3.84	Q-G	-8/0	0.00 (1)
G-H	-2536/0	-91.8 -91.8	0.48 (1)	3.89	P-G	-582/0	0.69 (1)
H-I	-2438/0	-91.8 -91.8	0.39 (1)	4.07	P-H	0/872	0.20 (1)
I-J	-2552/0	-91.8 -91.8	0.40 (1)	3.98	N-H	0/252	0.08 (1)
J-K	0/35	-91.8 -91.8	0.12 (1)	10.00	N-I	-196/0	0.16 (1)
U-B	-2157/0	0.0 0.0	0.14 (1)	6.94	M-I	-347/0	0.11 (1)
L-J	-2158/0	0.0 0.0	0.14 (1)	6.94	B-T	0/2188	0.49 (1)
					M-J	0/2188	0.49 (1)
U-T	0/0	-18.5 -18.5	0.08 (4)	10.00			
T-S	0/2148	-18.5 -18.5	0.30 (1)	10.00			
S-R	0/2005	-18.5 -18.5	0.28 (1)	10.00			
R-Q	0/2005	-18.5 -18.5	0.28 (1)	10.00			
Q-P	0/2536	-18.5 -18.5	0.34 (1)	10.00			
P-O	0/2004	-18.5 -18.5	0.27 (1)	10.00			
O-N	0/2004	-18.5 -18.5	0.27 (1)	10.00			
N-M	0/2148	-18.5 -18.5	0.29 (1)	10.00			
M-L	0/0	-18.5 -18.5	0.06 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 25.8	PSF
	DL	= 6.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.4	PSF
TOTAL LOAD		= 39.0	PSF

SPACING = 24.0 IN.CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(65% OF 81.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.23")

CSI: TC=0.48/1.00 (G-H:1), BC=0.34/1.00 (P-Q:1), WB=0.70/1.00 (E-Q:1), SS=0.25/1.00 (G-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

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	650 371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.90 (T) (INPUT = 0.90)
JSI METAL= 0.49 (M) (INPUT = 1.00)

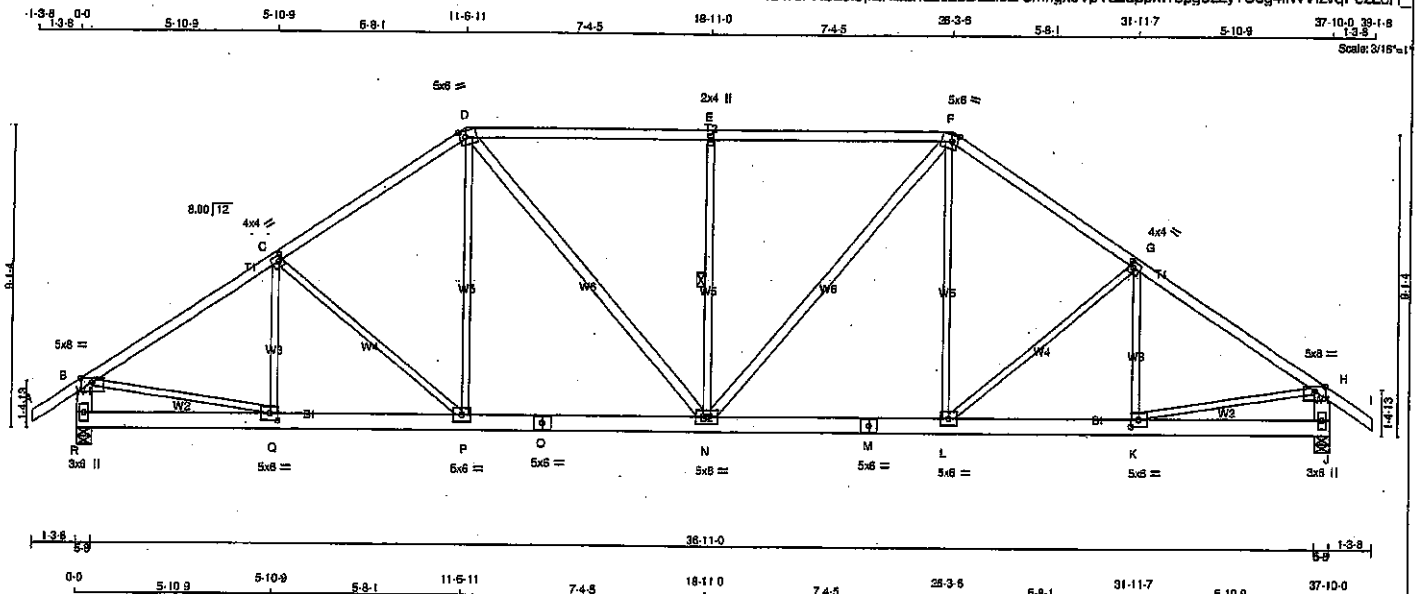


Structural component only
DWG# T-2108115

JOB NAME 417441	TRUSS NAME T20	QUANTITY 5	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:v5FX5Bj0rZNLEnu28zoDzI9Z-dmHgX0VpVs2dppm10pgozLy7C0g4iWVizvqPezZ6H



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
F - I	2x4	DRY	No.2	SPF	
R - B	2x6	DRY	No.2	SPF	
J - H	2x6	DRY	No.2	SPF	
R - O	2x6	DRY	No.2	SPF	
O - M	2x6	DRY	No.2	SPF	
M - J	2x6	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
D - N	2x4	DRY	No.2	SPF	
N - F	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TMVW-l	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.25	2.00
G	TMVW-l	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	8.0	Edge	
J	BMV1+p	MT20	3.0	6.0		
K	BMVW-l	MT20	5.0	6.0	2.50	2.75
L	BMVW-l	MT20	5.0	6.0		
M	BS-l	MT20	5.0	6.0		
N	BMVW-w	MT20	3.0	8.0		
O	BS-l	MT20	5.0	6.0		
P	BMVW-l	MT20	5.0	6.0		
Q	BMVW-l	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	6.0		

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

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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
R	2212	0	0	5-8
J	2212	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
J	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.50 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-N.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	Q-C	-279 / 0
B-C	-2583 / 0	-91.8	-91.8	0.55 (1)	3.81	C-P	-332 / 0
C-D	-2353 / 0	-91.8	-91.8	0.50 (1)	4.00	P-D	0 / 353
D-E	-2356 / 0	-91.8	-91.8	0.78 (1)	3.50	D-N	0 / 629
E-F	-2356 / 0	-91.8	-91.8	0.78 (1)	3.50	N-E	-931 / 0
F-G	-2353 / 0	-91.8	-91.8	0.50 (1)	4.00	N-F	0 / 629
G-H	-2583 / 0	-91.8	-91.8	0.55 (1)	3.81	L-F	0 / 353
H-I	0 / 35	-91.8	-91.8	0.12 (1)	10.00	L-G	-332 / 0
R-B	-2155 / 0	0.0	0.0	0.14 (1)	6.94	K-G	-279 / 0
J-H	-2155 / 0	0.0	0.0	0.14 (1)	6.94	B-Q	0 / 2208
R-Q	0 / 0	-18.5	-18.5	0.07 (4)	10.00	K-H	0 / 2208
Q-P	0 / 2178	-18.5	-18.5	0.31 (1)	10.00		
P-O	0 / 1930	-18.5	-18.5	0.28 (1)	10.00		
O-N	0 / 1930	-18.5	-18.5	0.28 (1)	10.00		
N-M	0 / 1930	-18.5	-18.5	0.28 (1)	10.00		
M-L	0 / 1930	-18.5	-18.5	0.28 (1)	10.00		
L-K	0 / 2178	-18.5	-18.5	0.31 (1)	10.00		
K-J	0 / 0	-18.5	-18.5	0.07 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.78/1.00 (D-E:1), BC=0.31/1.00 (P-Q:1), WB=0.50/1.00 (B-Q:1), SSI=0.33/1.00 (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

AUTOSOLVE HEELS OFF

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

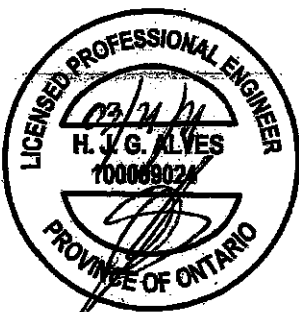
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.88 (Q) (INPUT = 0.90)
JSI METAL = 0.50 (Q) (INPUT = 1.00)



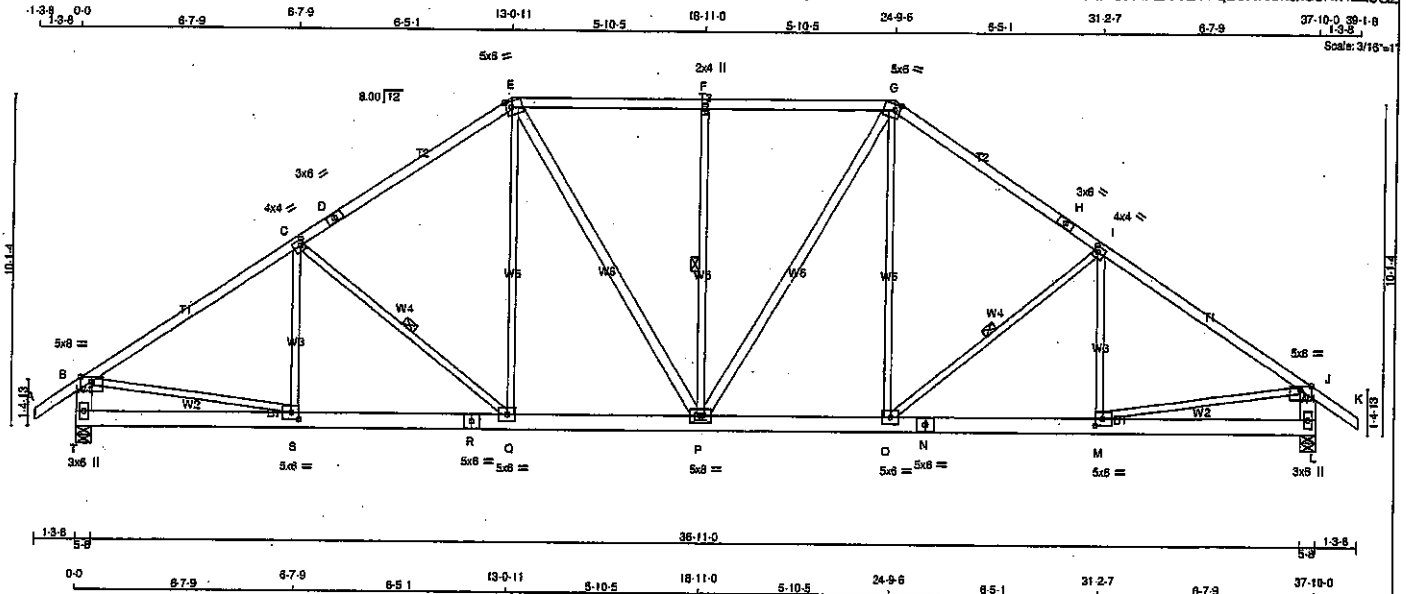
Structural component only
DWG# T-2108116

JOB NAME 417441	TRUSS NAME T21	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:v5FX5BJ0jzNLenu26zoDzZ19Z-5zE28MWSG9AUZLDMXB1VZVBqBONRCKexdeNx4zZG3z



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
T - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
T - R	2x6	DRY	No.2
R - N	2x6	DRY	No.2
N - L	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
E - P	2x4	DRY	No.2
P - G	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-V	MT20	4.0	4.0	2.00	1.50
D TS-1	MT20	3.0	6.0		
E TTWW-m	MT20	5.0	6.0	2.25	2.00
F TMVW-w	MT20	2.0	4.0		
G TTWW-m	MT20	5.0	6.0	2.25	2.00
H TS-1	MT20	3.0	6.0		
I TMVW-V	MT20	4.0	4.0	2.00	1.50
J TMVW-p	MT20	5.0	8.0	Edge	
L BMV1-p	MT20	3.0	6.0		
M BMVW-V	MT20	5.0	6.0	2.50	2.75
N BS-1	MT20	5.0	6.0		
O BMVW-V	MT20	5.0	6.0		
P BMVW-V	MT20	5.0	6.0		
Q BMVW-V	MT20	5.0	6.0		
R BS-1	MT20	5.0	6.0		
S BMVW-V	MT20	5.0	6.0	2.50	2.75
T BMV1-p	MT20	3.0	6.0		

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

NOTES

1)

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
T	2212	0	0	2212	0	0	0	5-8	5-8
L	2212	0	0	2212	0	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE	WIND	DEAD	SOIL
T	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
L	1562	1038 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.59 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 C-Q, F-P, I-O.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	S-C	-213 / 37	0.10 (1)
B-C	-2599 / 0	-91.8	-91.8 0.73 (1)	3.59	C-D	-485 / 0	0.23 (1)
C-D	-2252 / 0	-91.8	-91.8 0.65 (1)	3.88	Q-E	0 / 423	0.10 (1)
D-E	-2252 / 0	-91.8	-91.8 0.65 (1)	3.88	E-P	0 / 440	0.07 (1)
E-F	-2070 / 0	-91.8	-91.8 0.47 (1)	4.22	P-F	-857 / 0	0.44 (1)
F-G	-2070 / 0	-91.8	-91.8 0.47 (1)	4.22	P-G	0 / 440	0.07 (1)
G-H	-2252 / 0	-91.8	-91.8 0.65 (1)	3.88	Q-G	0 / 423	0.10 (1)
H-I	-2252 / 0	-91.8	-91.8 0.65 (1)	3.88	O-I	-485 / 0	0.23 (1)
I-J	-2599 / 0	-91.8	-91.8 0.73 (1)	3.59	M-I	-213 / 37	0.10 (1)
J-K	0 / 35	-91.8	-91.8 0.12 (1)	10.00	B-S	0 / 2220	0.50 (1)
T-B	-2152 / 0	0.0	0.0 0.14 (1)	6.94	M-J	0 / 2220	0.50 (1)
L-J	-2152 / 0	0.0	0.0 0.14 (1)	6.94			

T-S	0 / 0	-18.5	-18.5 0.08 (4)	10.00
S-R	0 / 2196	-18.5	-18.5 0.30 (1)	10.00
R-Q	0 / 2196	-18.5	-18.5 0.30 (1)	10.00
Q-P	0 / 1842	-18.5	-18.5 0.28 (1)	10.00
P-O	0 / 1842	-18.5	-18.5 0.28 (1)	10.00
O-N	0 / 2196	-18.5	-18.5 0.30 (1)	10.00
N-M	0 / 2196	-18.5	-18.5 0.30 (1)	10.00
M-L	0 / 0	-18.5	-18.5 0.08 (4)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.26")
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")
ALLOWABLE DEFL. (TL) = L/360 (1.26")
CALCULATED VERT. DEFL. (TL) = L/999 (0.19")

CS: TC=0.73/1.00 (B-C:1), BC=0.30/1.00 (Q-S:1), WB=0.50/1.00 (B-S: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

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)
MAX MIN	MAX MIN
MT20	650 371 1747 768 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (M) (INPUT = 0.90)
JSI METAL= 0.50 (S) (INPUT = 1.00)

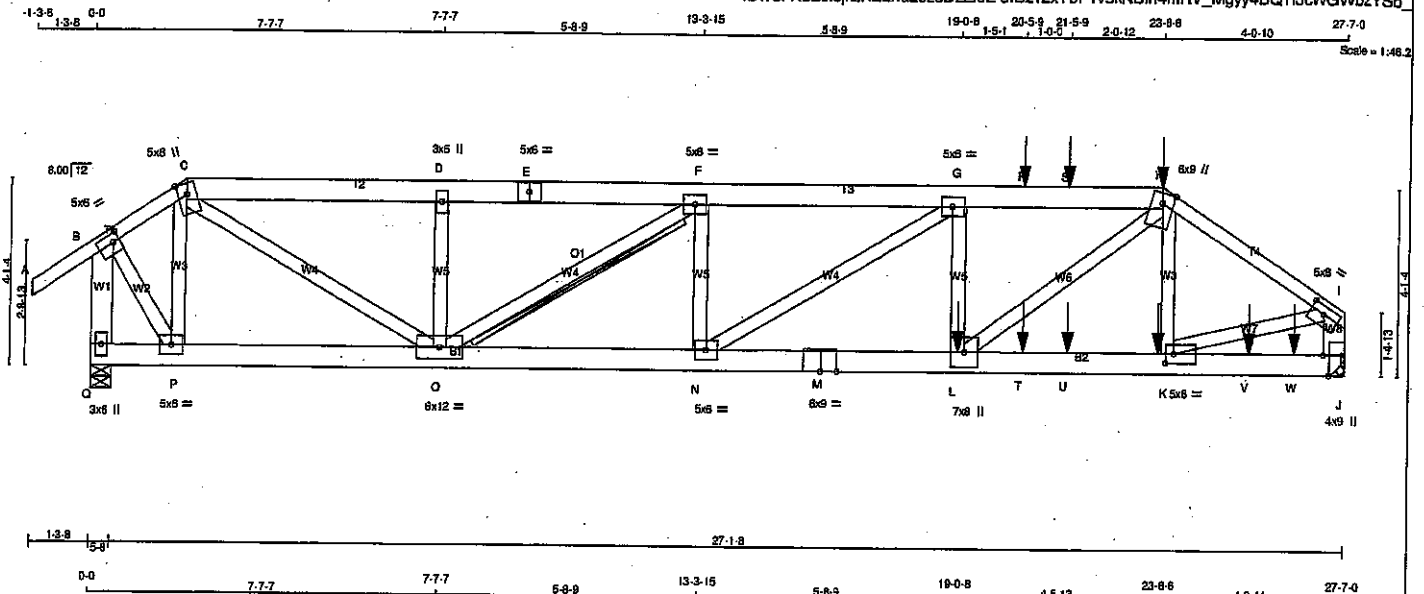


Structural component only
DWG# T-2108117

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417441	T22	1	1	GREENPARK HOMES	

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Mon Mar 22 08:04:15 2021 Page 1
ID:v5FX5BJoJrZNLenu26zoDzI9Z-3fBz12xY9P7v5kNBf4mRV_Mggy4BQT13cWGwbzYSb



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T22	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 METek Industries, Inc. Mon Mar 22 08:04:15 2021 Page 2
ID:v5FX5BjloirZNLEnu26zoDzZl9Z-3fBz12xY9P?v5kNBIn4mRV Mqvy4BQTl3cWGWbzYSb

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	23-6-6	-175	-175	---	FRONT	VERT	SNOW	---	C1
K	23-5-9	-21	-21	---	FRONT	VERT	TOTAL	---	C1
L	19-0-8	-1087	-1087	---	FRONT	VERT	TOTAL	---	C1
R	20-5-9	-76	-76	---	FRONT	VERT	TOTAL	---	C1
S	21-5-9	-76	-76	---	FRONT	VERT	TOTAL	---	C1
T	20-5-9	-21	-21	---	FRONT	VERT	TOTAL	---	C1
U	21-5-9	-21	-21	---	FRONT	VERT	TOTAL	---	C1
V	25-5-9	-21	-21	---	FRONT	VERT	TOTAL	---	C1
W	26-5-9	-21	-21	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

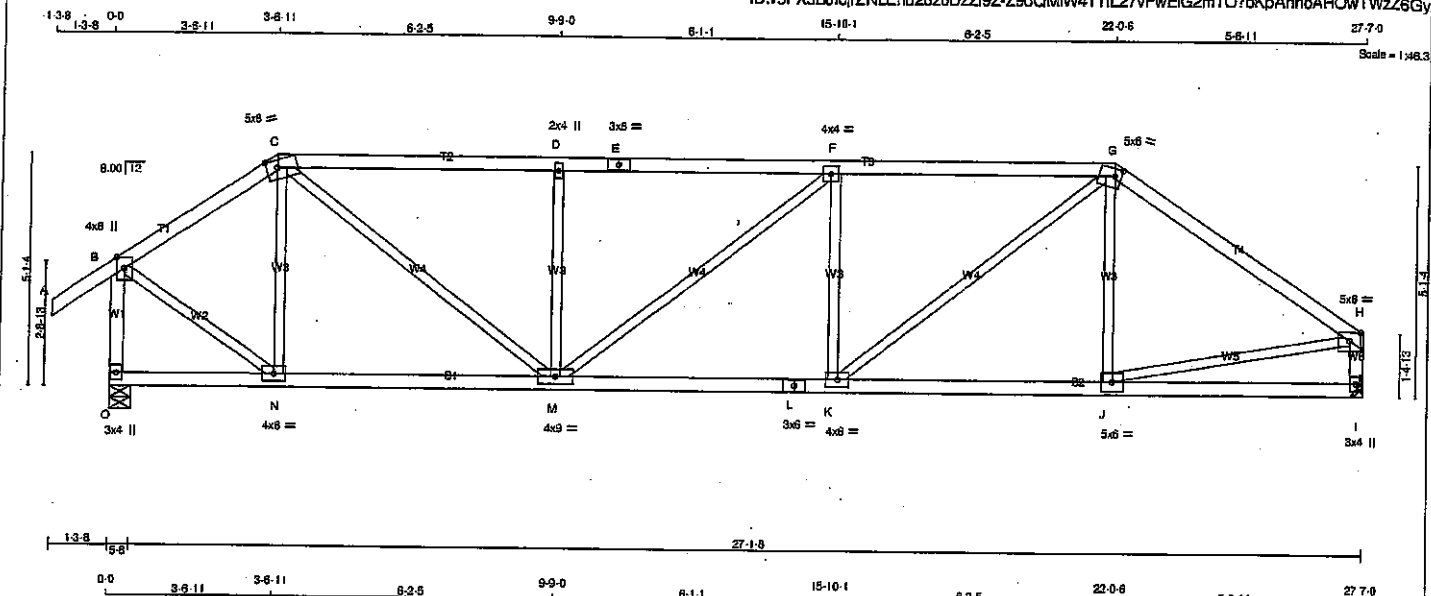


Structural component only
DWG# T-2108118 *MR*

JOB NAME 417441	TRUSS NAME T23	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarrack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:38:25 2021 Page 1
ID:v5FX5BJqirZNLenu26zoDzZl9Z-Z9oQMIW41TIL27vPwEiG2m1O7bKpAhhoAHOwTWzZ6Gy



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - H	2x4	DRY	No.2
O - B	2x4	DRY	No.2
I - H	2x4	DRY	No.2
O - L	2x4	DRY	No.2
L - I	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
B	TMVW-p	MT20	4.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.00	2.75
D	TMVW-w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMVW-t	MT20	4.0	4.0		
G	TTWW-m	MT20	5.0	6.0	2.00	1.75
H	TMVW-p	MT20	5.0	6.0	Edge	
I	BMV1-p	MT20	3.0	4.0		
J	BMVW-t	MT20	5.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMVW-t	MT20	4.0	9.0		
N	BMVW-t	MT20	4.0	6.0		
O	BMV1-p	MT20	3.0	4.0		

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

NOTES - (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
O	1647	0	1647	0
I	1521	0	1521	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
O	1162	776	0	0	0	386	0
I	1075	706	0	0	0	370	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO				FR-TO			
A-B	0/35	-91.8	-91.8 0.12 (1)	N-C	-558/0	0.21 (1)	
B-C	-1211/0	-91.8	-91.8 0.22 (1)	C-M	0/1362	0.31 (1)	
C-D	-2070/0	-91.8	-91.8 0.61 (1)	M-F	-412/0	0.24 (1)	
D-E	-2070/0	-91.8	-91.8 0.61 (1)	F-G	-178/0	0.22 (1)	
E-F	-2070/0	-91.8	-91.8 0.61 (1)	G-H	-502/0	0.19 (1)	
F-G	-2210/0	-91.8	-91.8 0.83 (1)	H-I	0/999	0.22 (1)	
G-H	-1713/0	-91.8	-91.8 0.62 (1)	I-J	-149/43	0.06 (1)	
H-I	-1626/0	0.0	0.0 0.23 (1)	J-K	0/1204	0.27 (1)	
I-J	-1479/0	0.0	0.0 0.15 (1)	K-L	0/1449	0.33 (1)	
O-N	0/0	-18.5	-18.5 0.11 (4)	L-M			
N-M	0/993	-18.5	-18.5 0.23 (1)	M-L			
M-L	0/2210	-18.5	-18.5 0.42 (1)	L-K			
L-K	0/2210	-18.5	-18.5 0.42 (1)	K-J			
K-J	0/1420	-18.5	-18.5 0.31 (1)	J-I			
J-I	0/0	-18.5	-18.5 0.15 (4)				

TOTAL WEIGHT = 111 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA D86-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.92")
CALCULATED VERT. DEFL.(LL) = L/999 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.92")
CALCULATED VERT. DEFL.(TL) = L/999 (0.18")

CSI: TC=0.63/1.00 (F-G-T), BC=0.42/1.00 (K-M-T), WB=0.33/1.00 (H-J-T), SS=0.26/1.00 (F-G-T)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

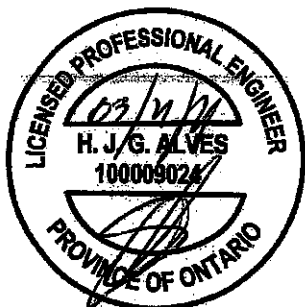
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (C) (INPUT = 0.90)
JSI METAL = 0.63 (B) (INPUT = 1.00)

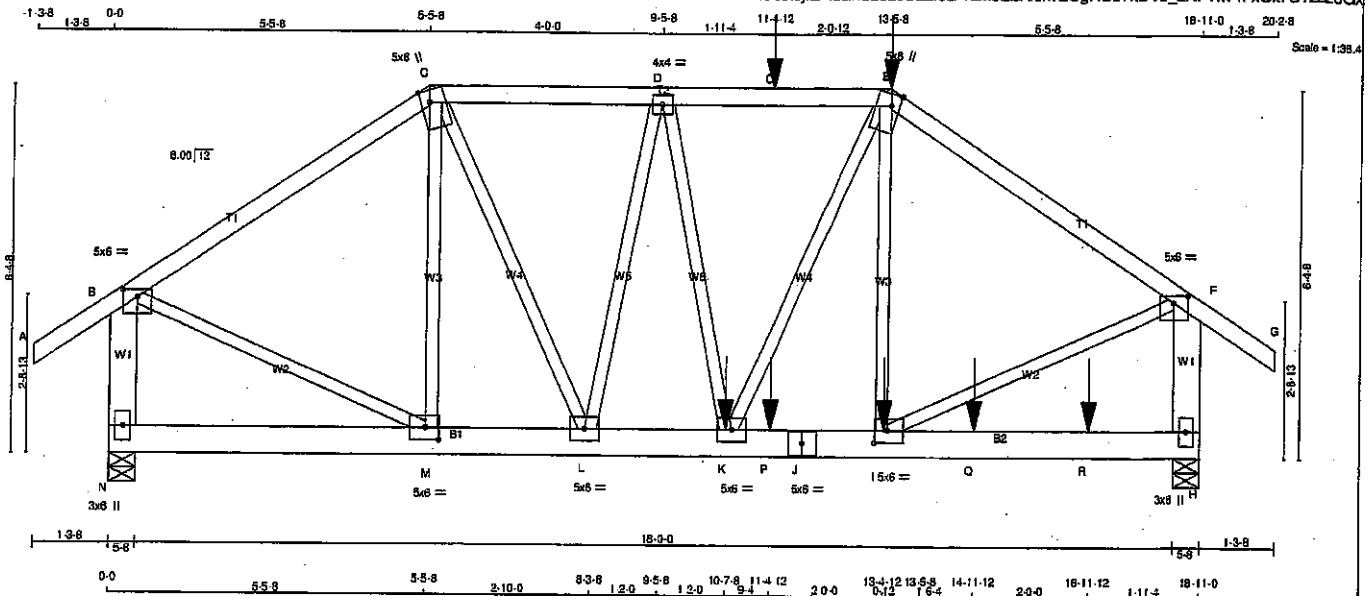


Structural component only
DWG# T-2108119

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T24	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:38:26 2021 Page 1
ID:v5FX5BJkjrZNLenu26zoDzZl9Z-1LMoZ2XomQCgHUCtXDVb_aXF?iv4FxOx7U?zzZ6Gx



LUMBER	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
N - B	2x6	DRY	No.2	SPF
H - F	2x6	DRY	No.2	SPF
N - J	2x6	DRY	No.2	SPF
J - H	2x6	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	1.50	3.00
C TTWW+m	MT20	5.0	8.0	Edge	1.75
D TMWW-t	MT20	4.0	4.0		
E TTWW+m	MT20	5.0	8.0	Edge	1.75
F TMVW-p	MT20	5.0	6.0	1.50	3.00
H BMV1+p	MT20	3.0	6.0		
I BMWW-t	MT20	5.0	6.0	2.50	2.75
J BS-t	MT20	6.0	6.0		
K BMWW-t	MT20	5.0	6.0		
L BMWW-t	MT20	5.0	6.0		
M BMWW-t	MT20	5.0	6.0	2.50	2.75
N BMV1+p	MT20	3.0	6.0		

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

NOTES:

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
N	1948	0	1948	0
H	2420	0	2420	0

UNFACTORED REACTIONS

1ST LOOSE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	1371	927 / 0	0 / 0	0 / 0	0 / 0	445 / 0	0 / 0
H	1707	1144 / 0	0 / 0	0 / 0	0 / 0	563 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.76 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	W E B S	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD LC1	MEMB.	FORCE
(LBS)	(PLF)	CSI (LC)	(LBS)	CSI (LC)
FR-TO	FROM TO	LENGTH	FR-TO	LENGTH
A-B	0 / 35	-91.8 -91.8 0.14 (1)	M-C	-480 / 0 0.30 (1)
B-C	-1891 / 0	-91.8 -91.8 0.66 (1)	E-E	-399 / 0 0.25 (1)
C-D	-1877 / 0	-91.8 -91.8 0.38 (1)	B-M	0 / 1523 0.38 (1)
D-O	-2148 / 0	-91.8 -91.8 0.40 (1)	I-F	0 / 1968 0.49 (1)
O-E	-2148 / 0	-91.8 -91.8 0.40 (1)	C-L	0 / 1138 0.28 (1)
E-F	-2184 / 0	-91.8 -91.8 0.73 (1)	L-D	-948 / 0 0.63 (1)
F-G	0 / 35	-91.8 -91.8 0.14 (1)	D-K	0 / 419 0.10 (1)
N-B	-1805 / 0	0.0 0.0 0.18 (1)	K-E	0 / 804 0.20 (1)
H-F	-2352 / 0	0.0 0.0 0.23 (1)		
N-M	0 / 0	-18.5 -18.5 0.07 (4)		
M-L	0 / 1397	-18.5 -18.5 0.23 (1)		
L-K	0 / 2065	-18.5 -18.5 0.40 (1)		
K-P	0 / 1808	-18.5 -18.5 0.37 (1)		
P-J	0 / 1808	-18.5 -18.5 0.37 (1)		
J-I	0 / 1808	-18.5 -18.5 0.37 (1)		
I-Q	0 / 0	-18.5 -18.5 0.11 (4)		
Q-R	0 / 0	-18.5 -18.5 0.11 (4)		
R-H	0 / 0	-18.5 -18.5 0.11 (4)		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
E	13-5-8	-304	-304	---	FRONT	VERT	TOTAL	---	C1
I	13-4-12	-49	-49	---	FRONT	VERT	TOTAL	---	C1
K	10-7-8	-869	-869	---	FRONT	VERT	TOTAL	---	C1
O	11-4-12	-86	-86	---	FRONT	VERT	TOTAL	---	C1
P	11-4-12	-49	-49	---	FRONT	VERT	TOTAL	---	C1
Q	14-11-12	-49	-49	---	FRONT	VERT	TOTAL	---	C1
R	16-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.8 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.83")
CALCULATED VERT. DEFL.(LL) = L/899 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.83")
CALCULATED VERT. DEFL.(TL) = L/899 (0.09")

CSI: TC=0.73/1.00 (E-F:1), BC=0.40/1.00 (K-L:1),
WB=0.63/1.00 (D-L:1), SS=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

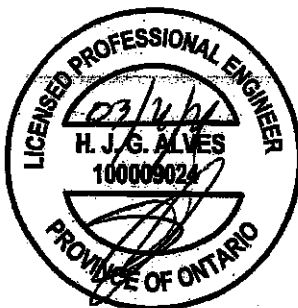
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

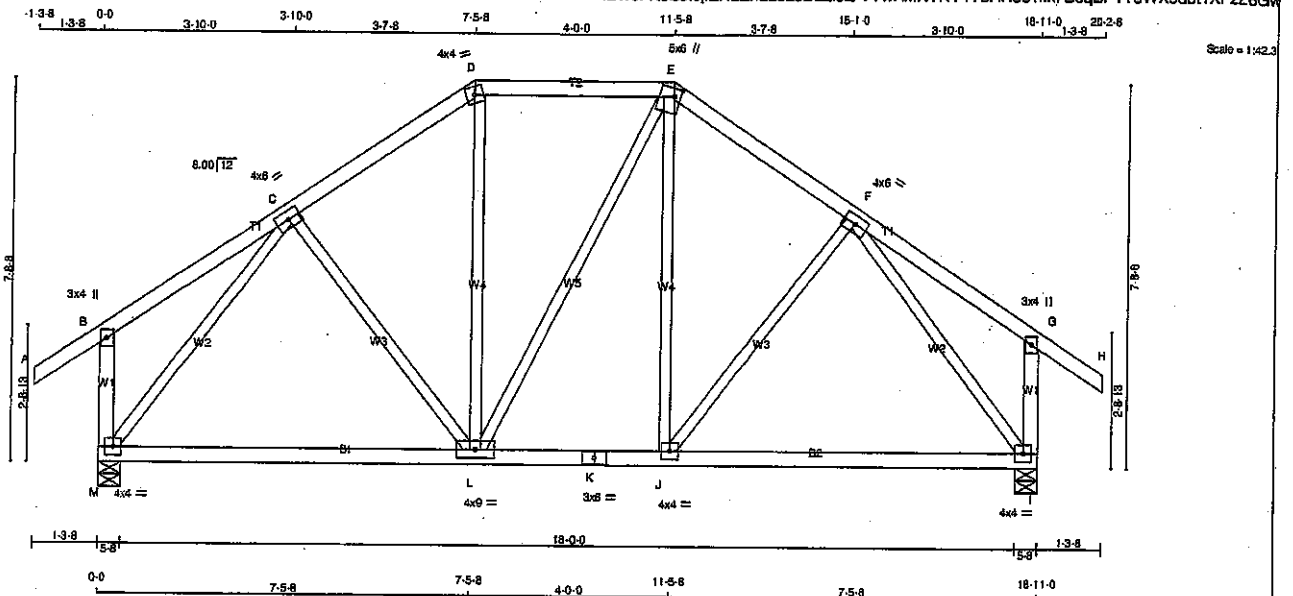
JSI GRIP= 0.86 (M) (INPUT = 0.90)
JSI METAL= 0.43 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108120

JOB NAME 417441	TRUSS NAME T25	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 3 X 93 = 279 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TTWV-m	MT20	5.0	6.0	2.00	1.50
F	TMVW-1	MT20	4.0	6.0		
G	TMV+p	MT20	3.0	4.0		
I	BMVW-1	MT20	4.0	4.0		
J	BMVW-1	MT20	4.0	4.0		
K	BS-1	MT20	3.0	6.0		
L	BMVW-1	MT20	4.0	9.0		
M	BMVW-1	MT20	4.0	4.0		

NOTES-

1) Lateral braces to be a minimum of 2x4 SPF #2.

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
M	1169	0	1169	0
I	1169	0	1169	0

UNFACTORED REACTIONS

JT	1ST LOSE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	824	554 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
I	824	554 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MEMB.	FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	C-L	-5 / 44	0.02 (4)
B-C	0 / 22	-91.8	-91.8 0.20 (1)	10.00	L-D	0 / 119	0.03 (4)
C-D	-800 / 0	-91.8	-91.8 0.16 (1)	8.25	L-E	0 / 0	0.00 (1)
D-E	-648 / 0	-91.8	-91.8 0.19 (1)	8.25	J-E	0 / 119	0.03 (4)
E-F	-800 / 0	-91.8	-91.8 0.16 (1)	8.25	J-F	-5 / 44	0.02 (4)
F-G	0 / 22	-91.8	-91.8 0.21 (1)	10.00	M-C	-1071 / 0	0.69 (1)
G-H	0 / 35	-91.8	-91.8 0.12 (1)	10.00	F-I	-1070 / 0	0.69 (1)
M-B	-258 / 0	0.0	0.0 0.04 (1)	7.81			
I-G	-258 / 0	0.0	0.0 0.04 (1)	7.81			
M-L	0 / 848	-18.5	-18.5 0.27 (4)	10.00			
L-K	0 / 848	-18.5	-18.5 0.25 (4)	10.00			
K-J	0 / 848	-18.5	-18.5 0.25 (4)	10.00			
J-I	0 / 848	-18.5	-18.5 0.27 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.63")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.63")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.11")

CSI: TC=0.21/1.00 (F-G:1), BC=0.27/1.00 (I-J:4),
WB=0.89/1.00 (C-M:1), SS=0.14/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX	MIN	MAX
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.79 (M) (INPUT = 0.90)
JSI METAL = 0.34 (K) (INPUT = 1.00)



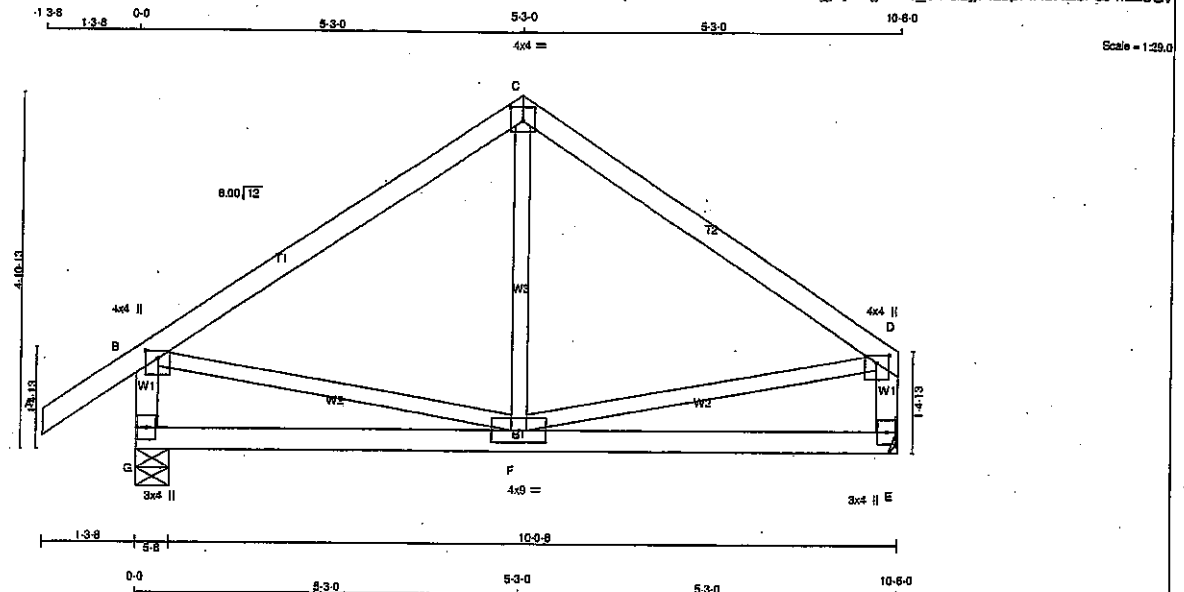
Structural component only
DWG# T-2108121

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T26	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/25.0

TOTAL WEIGHT = 42 lb

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	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
E BMV1+p	MT20	3.0	4.0		
F BMVWW-i	MT20	4.0	9.0		
G BMV1+p	MT20	3.0	4.0		

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	705	0	705	0	0	5-8	5-8
E	579	0	579	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	486	339 / 0	0 / 0	0 / 0	0 / 0	157 / 0	0 / 0
E	409	269 / 0	0 / 0	0 / 0	0 / 0	141 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	F-C	-22 / 82	0.03 (4)
B-C	-414 / 0	-91.8	-91.8 0.33 (1)	6.25	B-F	0 / 352	0.08 (1)
C-D	-414 / 0	-91.8	-91.8 0.33 (1)	6.25	F-D	0 / 352	0.08 (1)
G-B	-867 / 0	0.0	0.0 0.07 (1)	7.81			
E-D	-541 / 0	0.0	0.0 0.08 (1)	7.81			
G-F	0 / 0	-18.5	-18.5 0.14 (4)	10.00			
F-E	0 / 0	-18.5	-18.5 0.14 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.9 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2018
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.35")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = 1/360 (0.35")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.02")

CSI: TC=0.33/1.00 (B-C:1), BC=0.14/1.00 (F-G:4), WB=0.08/1.00 (B-F:1), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.47 (D) (INPUT = 0.90)
JSI METAL= 0.14 (B) (INPUT = 1.00)

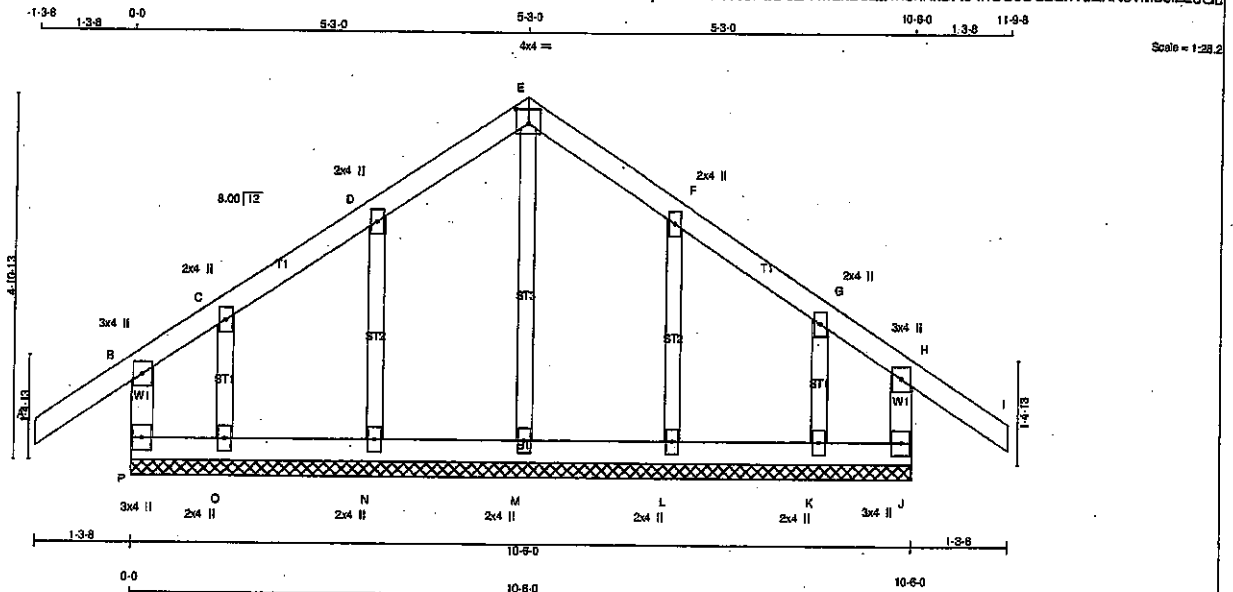


Structural component only
DWG# T-2108122

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T26G	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 44 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
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 2-0-0 OC.

PLATES (table is in inches)

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

NOTES:

1) Lateral braces to be a minimum of 2x4 SPF #2.

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 = 10.00 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED UNBRACED LENGTH (FT)	FACTORED MAX CSI (LC)
FR-TO		FROM TO		FR-TO			
P-B	-196 / 0	0.0	0.0 0.04 (1)	M-E	-230 / 0		0.08 (1)
A-B	0 / 35	-91.8	-91.8 0.12 (1)	N-D	-199 / 0		0.04 (1)
B-C	0 / 13	-91.8	-91.8 0.08 (1)	O-C	-98 / 0		0.01 (1)
C-D	0 / 43	-91.8	-91.8 0.05 (1)	L-F	-199 / 0		0.04 (1)
D-E	0 / 40	-91.8	-91.8 0.05 (1)	K-G	-98 / 0		0.01 (1)
E-F	0 / 40	-91.8	-91.8 0.05 (1)				
F-G	0 / 43	-91.8	-91.8 0.06 (1)				
G-H	0 / 13	-91.8	-91.8 0.08 (1)				
H-I	0 / 35	-91.8	-91.8 0.12 (1)				
J-H	-196 / 0	0.0	0.0 0.04 (1)				
P-O	-26 / 0	-18.5	-18.5 0.01 (4)				
O-N	-30 / 0	-18.5	-18.5 0.02 (4)				
N-M	-35 / 0	-18.5	-18.5 0.02 (4)				
M-L	-35 / 0	-18.5	-18.5 0.02 (4)				
L-K	-30 / 0	-18.5	-18.5 0.02 (4)				
K-J	-26 / 0	-18.5	-18.5 0.01 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(5% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.12/1.00 (H-I), BC=0.02/1.00 (L-M), WB=0.08/1.00 (E-M), SI=0.08/1.00 (H-I)

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

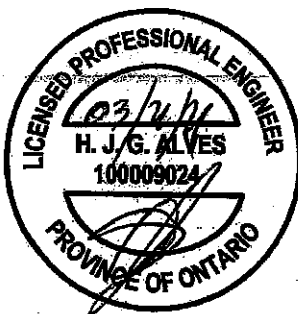
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	850 371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.18 (E) (INPUT = 0.90)

JSI METAL = 0.10 (D) (INPUT = 1.00)

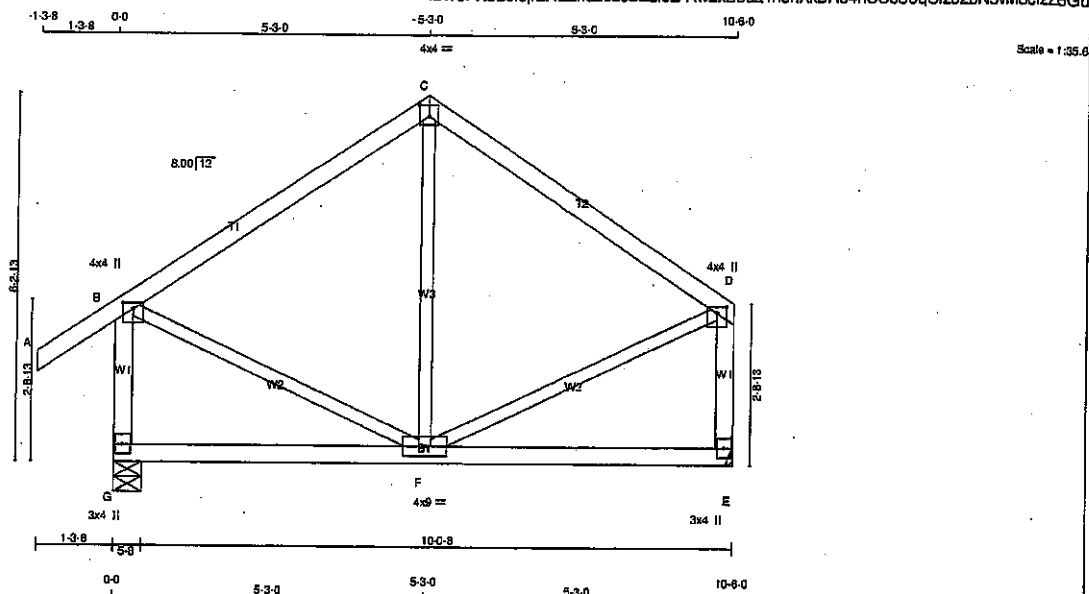


Structural component only
DWG# T-2108123

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	T27	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MTek Industries, Inc. Sat Mar 20 08:38:29 2021 Page 1
ID:v5FX5BJ0jrZNLnu26zoDzZl9Z-Rw2xB3aa4honXkDA94nCCc8qClz6ZbN5M8clzZ6Gu



TOTAL WEIGHT = 2 X 47 = 94 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2	
C - D	2x4	DRY	No.2	
G - B	2x4	DRY	No.2	
E - D	2x4	DRY	No.2	
G - E	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	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
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW-t	MT20	4.0	9.0		
G	BMV1+p	MT20	3.0	4.0		

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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
G	705	0	705	0
E	579	0	579	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	486	339 / 0	0 / 0	0 / 0	0 / 0	157 / 0	0 / 0
E	409	269 / 0	0 / 0	0 / 0	0 / 0	141 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	F-C	-128 / 44	0.08 (1)
B-C	-321 / 0	-91.8	-91.8 0.32 (1)	6.25	B-F	0 / 294	0.07 (1)
C-D	-321 / 0	-91.8	-91.8 0.32 (1)	6.25	F-D	0 / 294	0.07 (1)
G-B	-668 / 0	0.0	0.0 0.10 (1)	7.81			
E-D	-542 / 0	0.0	0.0 0.08 (1)	7.81			
G-F	0 / 0	-18.5	-18.5 0.15 (4)	10.00			
F-E	0 / 0	-18.5	-18.5 0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.8	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	39.0	PSF

SPACING = 24.0 IN/OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2015, ABC 2015
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.32/1.00 (B-C:1), BC=0.15/1.00 (F-G:4), WB=0.08/1.00 (C-F:1), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

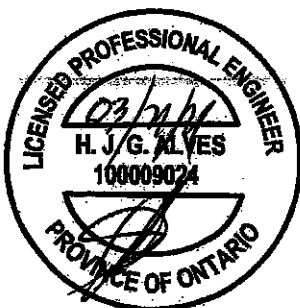
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.44 (D) (INPUT = 0.90)
JSI METAL = 0.13 (D) (INPUT = 1.00)

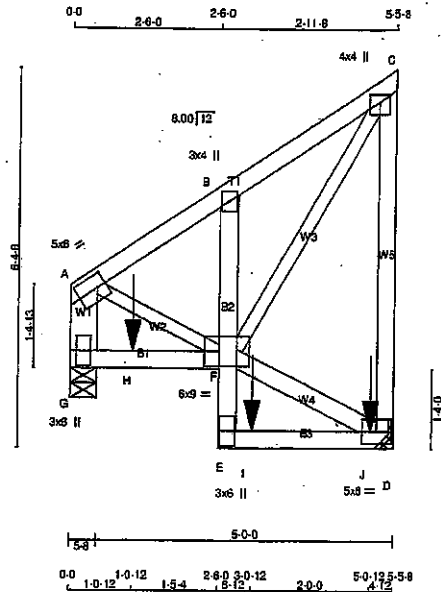


Structural component only
DWG# T-2108124

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417441	T28	1	2	GREENPARK HOMES	

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:38:30 2021 Page 1
ID:v5FX5BJ0jZNLenu26zoDzZl9Z-v6cJPPaCr7we8uoNiniRlqkKcc37r02XJZ5h8kzZ6Gt



TOTAL WEIGHT = 2 X 35 = 72 lb

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
D - C	2x4	DRY No.2	SPF
G - A	2x4	DRY No.2	SPF
G - F	2x4	DRY No.2	SPF
E - B	2x4	DRY No.2	SPF
E - D	2x4	DRY No.2	SPF
ALL WEBS EXCEPT F - D	2x3	DRY No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - D	12	SIDE (86.6)
G - A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
G - F	12	SIDE (0.0)
B - E	12	TOP
E - D	12	SIDE (61.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
2x4	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 PILES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
D	1252	0	0	MECHANICAL
G	1041	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM LIVE WIND DEAD SOIL
D	884 592 / 0 0 / 0 0 / 0 292 0 0 / 0
G	734 493 / 0 0 / 0 0 / 0 241 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
A-B	-644 / 0	-91.8	-91.8	0.05 (1)	6.25	A-F	0' 590	0.07 (1)		
B-C	-641 / 0	-91.8	-91.8	0.05 (1)	6.25	F-D	33' 0	0.00 (1)		
D-C	-642 / 0	0.0	0.0	0.26 (1)	7.81	F-C	0' 1023	0.13 (1)		
G-A	-682 / 0	0.0	0.0	0.02 (1)	7.81					
G-H	0 / 0	-18.5	-18.5	0.28 (1)	10.00					
H-F	0 / 0	-18.5	-18.5	0.28 (1)	10.00					
E-F	0 / 587	0.0	0.0	0.08 (1)	10.00					
F-B	-279 / 0	0.0	0.0	0.03 (1)	7.81					
E-I	0 / 30	-18.5	-18.5	0.19 (1)	10.00					
I-J	0 / 30	-18.5	-18.5	0.19 (1)	10.00					
J-D	0 / 30	-18.5	-18.5	0.19 (1)	10.00					

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
H	1-0-12	-395	-395	---	BACK	VERT	---	C1
I	3-0-12	-399	-399	---	BACK	VERT	---	C1
J	5-0-12	-399	-399	---	BACK	VERT	---	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CSI: TC=0.26/1.00 (C-D:1), BC=0.28/1.00 (F-G:1), WB=0.13/1.00 (C-F:1), SS=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN MAX MIN MAX MIN		
MT20	650 371 1747 788 1987 1873	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.49 (C) (INPUT = 0.90)

JSI METAL= 0.14 (F) (INPUT = 1.00)



Structural component only
DWG# T-2108125 1/1

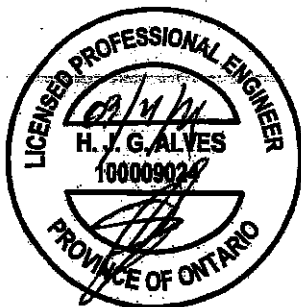
CONTINUED ON PAGE 2

JOB NAME 417441	TRUSS NAME T28	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 8 Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:38:30 2021 Page 2 ID:v5FX5BjloirZNLnu26zoDzZi9Z-v6cJPPaCr7we8uoNiniRloklKcc37r02XJZ5h8kzZ6Gt	

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.50	1.75
B	TMV+p	MT20	3.0	4.0		
C	TMVW+p	MT20	4.0	4.0	1.50	2.00
D	BMVW-t	MT20	5.0	6.0		
E	BMV+p	MT20	3.0	6.0		
F	BVMVWW-t	MT20	6.0	9.0	3.00	3.00
G	BMV-t+p	MT20	3.0	6.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

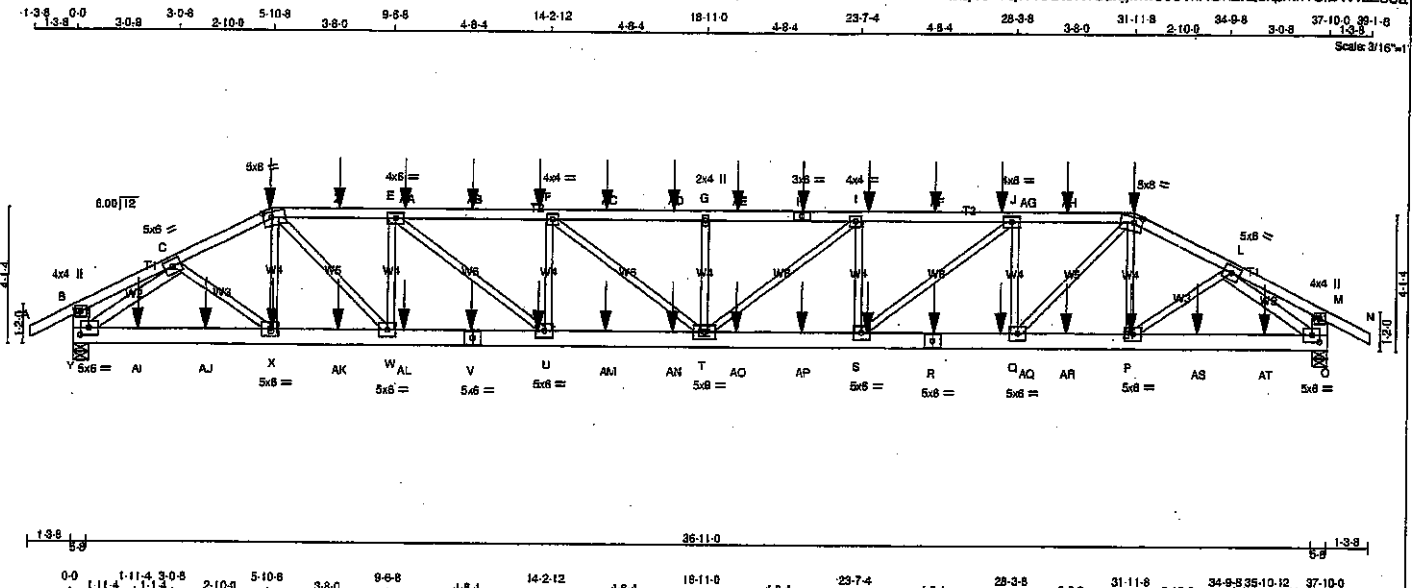


Structural component only
DWG# T-2108125 *SN*

JOB NAME 417443	TRUSS NAME T31	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:52:41 2021 Page 1
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CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2 SPF
D - H	2x4	DRY	No.2 SPF
H - K	2x4	DRY	No.2 SPF
K - N	2x4	DRY	No.2 SPF
Y - B	2x6	DRY	No.2 SPF
O - M	2x6	DRY	No.2 SPF
Y - V	2x6	DRY	No.2 SPF
V - R	2x6	DRY	No.2 SPF
R - O	2x6	DRY	No.2 SPF
ALL WEBS EXCEPT	2x3	DRY	No.2 SPF
Y - C	2x4	DRY	No.2 SPF
L - O	2x4	DRY	No.2 SPF

DRY, SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-D 1	12	SIDE(61.0)
D-H 1	12	SIDE(61.0)
H-K 1	12	SIDE(61.0)
K-N 1	12	SIDE(61.0)
Y-B 2	12	TOP
O-M 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
Y-V 2	12	SIDE(183.1)
V-R 2	12	SIDE(183.1)
R-O 2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	
2x4 1	8	

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.

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

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	3443	0	3443	0	5-8	5-8
O	3443	0	3443	0	5-8	5-8
Y	3444	0	3444	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	2438	1588 / 0	0 / 0	0 / 0	851 / 0	0 / 0
O	2438	1588 / 0	0 / 0	0 / 0	851 / 0	0 / 0
Y	2438	1588 / 0	0 / 0	0 / 0	851 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRAC LENGTH FR-TO	MAX. MEMS. FORCE (LBS)	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						
A-B	0 / 28	-91.8	-91.8	0.07 (1)	10.00	X-D -273 / 20
B-C	0 / 6	-91.8	-91.8	0.08 (1)	10.00	P-K -273 / 20
C-D	-8279 / 0	-91.8	-91.8	0.15 (1)	4.11	W-E -1907 / 0
D-E	-6689 / 0	-91.8	-91.8	0.36 (1)	3.52	Q-J -1907 / 0
E-A	-8279 / 0	-91.8	-91.8	0.51 (1)	3.09	D-W 0 / 2829
AA-AB	-8279 / 0	-91.8	-91.8	0.51 (1)	3.09	S-U 0 / 2032
AB-F	-8279 / 0	-91.8	-91.8	0.51 (1)	3.09	E-U 0 / 2032
F-AC	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	S-I -1105 / 0
AC-AD	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	U-F -1105 / 0
AD-G	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	F-T 0 / 853
G-AE	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	T-I 0 / 852
AE-H	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	C-X -691 / 0
H-I	-8789 / 0	-91.8	-91.8	0.57 (1)	2.95	X-G 0 / 761
I-AF	-8278 / 0	-91.8	-91.8	0.51 (1)	3.09	Y-C -6154 / 0
AF-AG	-8278 / 0	-91.8	-91.8	0.51 (1)	3.09	P-L 0 / 761
AG-J	-8278 / 0	-91.8	-91.8	0.51 (1)	3.09	L-O -5154 / 0
J-AH	-6688 / 0	-91.8	-91.8	0.36 (1)	3.52	
AH-K	-6688 / 0	-91.8	-91.8	0.36 (1)	3.52	
K-L	-5279 / 0	-91.8	-91.8	0.15 (1)	4.11	
L-M	0 / 6	-91.8	-91.8	0.06 (1)	10.00	
M-N	0 / 28	-91.8	-91.8	0.07 (1)	10.00	
Y-B	-246 / 0	0.0	0.0	0.01 (1)	7.81	
O-M	-246 / 0	0.0	0.0	0.01 (1)	7.81	
Y-AI	0 / 4100	-18.5	-18.5	0.31 (1)	10.00	
AI-AJ	0 / 4100	-18.5	-18.5	0.31 (1)	10.00	
AJ-X	0 / 4100	-18.5	-18.5	0.31 (1)	10.00	
X-AK	0 / 4702	-18.5	-18.5	0.33 (1)	10.00	
AK-W	0 / 4702	-18.5	-18.5	0.33 (1)	10.00	
W-AL	0 / 6689	-18.5	-18.5	0.49 (1)	10.00	
AL-V	0 / 6689	-18.5	-18.5	0.49 (1)	10.00	
V-U	0 / 6689	-18.5	-18.5	0.49 (1)	10.00	
U-AM	0 / 8279	-18.5	-18.5	0.81 (1)	10.00	
AM-AN	0 / 8279	-18.5	-18.5	0.81 (1)	10.00	
AN-T	0 / 8279	-18.5	-18.5	0.81 (1)	10.00	
T-AO	0 / 8278	-18.5	-18.5	0.81 (1)	10.00	
AO-AP	0 / 8278	-18.5	-18.5	0.81 (1)	10.00	
AP-S	0 / 8278	-18.5	-18.5	0.81 (1)	10.00	
S-R	0 / 6688	-18.5	-18.5	0.49 (1)	10.00	
R-AQ	0 / 6688	-18.5	-18.5	0.49 (1)	10.00	
AQ-Q	0 / 6688	-18.5	-18.5	0.49 (1)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TFC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.29")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/851 (0.53")

CSI: TC=0.57/1.00 (G-I), BC=0.61/1.00 (T-U), WB=0.44/1.00 (C-Y), SS=0.18/1.00 (E-F)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.90 (K) (INPUT = 0.90)

JSI METAL= 0.63 (V) (INPUT = 1.00)



Structural component only
DWG# T-2108138

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T31	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MTEK Industries, Inc. Sat Mar 20 08:52:41 2021 Page 2
ID:wa2t6usWauA5BCJTGMC4FzZxO-VqW100J0RT8ukgMw303?kHUh2IQ8kpmn?SIDWvzZ63a

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV-p	MT20	4.0	4.0		
C TMWW-t	MT20	5.0	6.0		
D TTWW-m	MT20	5.0	8.0	2.00	3.00
E TMWW-t	MT20	4.0	6.0		
F TMWW-t	MT20	4.0	4.0		
G TMW-w	MT20	2.0	4.0		
H TS-t	MT20	3.0	6.0		
I TMWW-t	MT20	4.0	4.0		
J TMWW-t	MT20	4.0	6.0		
K TTWW-m	MT20	5.0	8.0	2.00	3.00
L TMWW-t	MT20	5.0	6.0		
M TMV-p	MT20	4.0	4.0		
O BMW1-t	MT20	5.0	6.0	2.50	2.75
P, Q, S, U, W, X					
P BMWW-t	MT20	5.0	6.0		
R BS-t	MT20	5.0	6.0		
T BMWW-t	MT20	5.0	8.0		
V BS-t	MT20	5.0	6.0		
Y BMW1-t	MT20	5.0	6.0	2.50	2.75

NOTES: (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

LOADING

TOTAL LOAD CASES: (4)

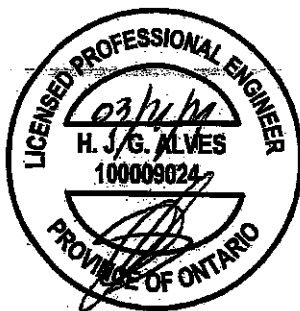
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. MEMB. FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	LC1 MAX
FR-TO		FROM TO		UNBRAC LENGTH	FR-TO		
Q-AR	0 / 4702	-18.5	-18.5 0.33 (1)	10.00			
AR-P	0 / 4702	-18.5	-18.5 0.33 (1)	10.00			
P-AS	0 / 4100	-18.5	-18.5 0.31 (1)	10.00			
AS-AT	0 / 4100	-18.5	-18.5 0.31 (1)	10.00			
AT-O	0 / 4100	-18.5	-18.5 0.31 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-10-8	-231	-231		FRONT	VERT	TOTAL		C1
F	13-11-4	-76	-76		FRONT	VERT	TOTAL		C1
H	21-10-12	-76	-76		FRONT	VERT	TOTAL		C1
I	23-10-12	-76	-76		FRONT	VERT	TOTAL		C1
K	31-11-8	-231	-231		FRONT	VERT	TOTAL		C1
P	31-10-12	-21	-21		FRONT	VERT	TOTAL		C1
R	25-10-12	-21	-21		FRONT	VERT	TOTAL		C1
S	23-10-12	-21	-21		FRONT	VERT	TOTAL		C1
U	13-11-4	-21	-21		FRONT	VERT	TOTAL		C1
V	11-11-4	-21	-21		FRONT	VERT	TOTAL		C1
X	5-11-4	-21	-21		FRONT	VERT	TOTAL		C1
Z	7-11-4	-76	-76		FRONT	VERT	TOTAL		C1
AA	9-11-4	-76	-76		FRONT	VERT	TOTAL		C1
AB	11-11-4	-76	-76		FRONT	VERT	TOTAL		C1
AC	15-11-4	-76	-76		FRONT	VERT	TOTAL		C1
AD	17-11-4	-76	-76		FRONT	VERT	TOTAL		C1
AE	19-10-12	-76	-76		FRONT	VERT	TOTAL		C1
AF	25-10-12	-76	-76		FRONT	VERT	TOTAL		C1
AG	27-10-12	-76	-76		FRONT	VERT	TOTAL		C1
AH	29-10-12	-76	-76		FRONT	VERT	TOTAL		C1
AI	1-11-4	-20	-20		FRONT	VERT	TOTAL		C1
AJ	3-11-4	-21	-21		FRONT	VERT	TOTAL		C1
AK	7-11-4	-21	-21		FRONT	VERT	TOTAL		C1
AL	9-11-4	-21	-21		FRONT	VERT	TOTAL		C1
AM	15-11-4	-21	-21		FRONT	VERT	TOTAL		C1
AN	17-11-4	-21	-21		FRONT	VERT	TOTAL		C1
AO	19-10-12	-21	-21		FRONT	VERT	TOTAL		C1
AP	21-10-12	-21	-21		FRONT	VERT	TOTAL		C1
AQ	27-10-12	-21	-21		FRONT	VERT	TOTAL		C1
AR	29-10-12	-21	-21		FRONT	VERT	TOTAL		C1
AS	33-10-12	-21	-21		FRONT	VERT	TOTAL		C1
AT	35-10-12	-20	-20		FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

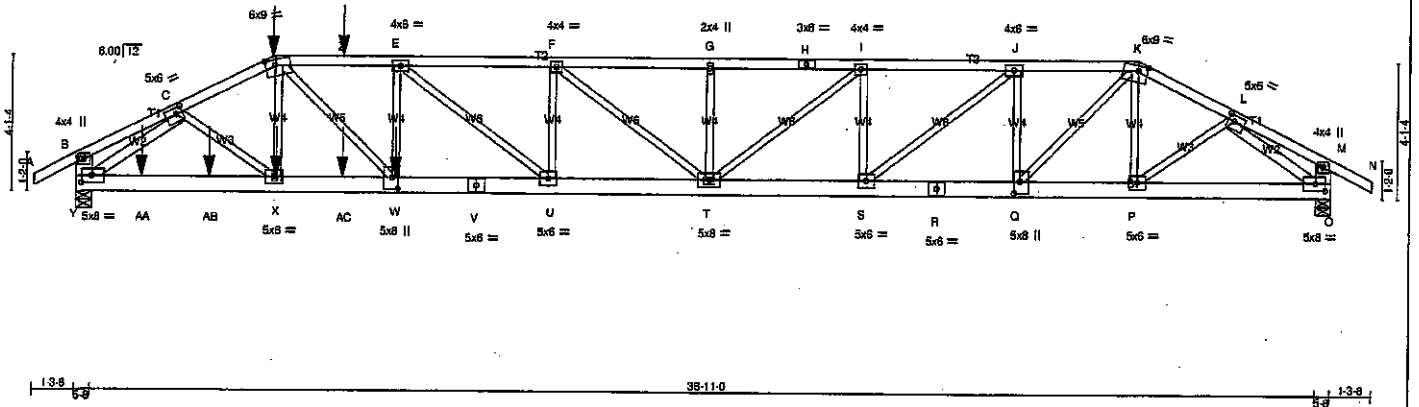
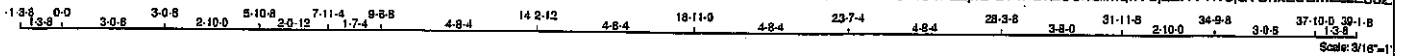


Structural component only
DWG# T-2108138 *jm*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T31Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mittek Industries, Inc. Sat Mar 20 08:52:42 2021 Page 1
ID:wa216usWauA15BCJTGM4FZZjxO-z14PDkueCnGIMqW7djaEHV1n3jdTChxE6Um2LzZ63Z



TOTAL WEIGHT = 2 X 176 = 353 lb

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - H	2x4	DRY No.2	SPF
H - K	2x4	DRY No.2	SPF
K - N	2x4	DRY No.2	SPF
Y - B	2x6	DRY No.2	SPF
O - M	2x6	DRY No.2	SPF
Y - V	2x6	DRY No.2	SPF
V - R	2x6	DRY No.2	SPF
R - O	2x6	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
EXCEPT:			
Y - C	2x4	DRY No.2	SPF
L - O	2x4	DRY No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A - D 1	12	SIDE(61.0)
D - H 1	12	SIDE(61.0)
H - K 1	12	TOP
K - N 1	12	TOP
Y - B 2	12	TOP
O - M 2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
Y - V 2	12	SIDE(183.1)
V - R 2	12	TOP
R - O 2	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
2x3 1	6	SIDE(61.3)
E - W 1	3	
J - Q 1	3	
2x4 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-8 INCH NAILS.

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
O	3067	0	3067	0	0	5-8	5-8
Y	4948	0	4948	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O 2165	1441 / 0	0 / 0	0 / 0	0 / 0	725 / 0	0 / 0
Y 3498	2311 / 0	0 / 0	0 / 0	0 / 0	1185 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.62 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	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	UNBRACED	MEMB.	FORCE (LBS)
FR-TO		FROM TO	CS1 (LC)	LENGTH FR-TO		
A-B	0 / 28	-91.8 -91.8	0.07 (1)	10.00	X-D	-513 / 0
B-C	-1 / 3	-91.8 -91.8	0.07 (1)	10.00	P-K	-273 / 0
C-D	-7950 / 0	-91.8 -91.8	0.28 (1)	3.30	W-E	-418 / 0
D-E	-10450 / 0	-91.8 -91.8	0.60 (1)	2.62	Q-J	-2031 / 0
E-F	-10450 / 0	-91.8 -91.8	0.60 (1)	2.62	Q-K	0 / 2944
F-G	-9825 / 0	-91.8 -91.8	0.55 (1)	2.86	S-J	0 / 2612
G-H	-9825 / 0	-91.8 -91.8	0.55 (1)	2.86	E-U	-51 / 2
H-I	-9825 / 0	-91.8 -91.8	0.55 (1)	2.86	S-I	-1628 / 0
I-J	-8252 / 0	-91.8 -91.8	0.44 (1)	3.17	U-F	0 / 186
J-K	-6208 / 0	-91.8 -91.8	0.27 (1)	3.75	T-I	0 / 1755
K-L	-4652 / 0	-91.8 -91.8	0.13 (1)	4.36	F-T	-1003 / 0
L-M	0 / 7	-91.8 -91.8	0.06 (1)	10.00	T-G	-422 / 0
M-N	0 / 28	-91.8 -91.8	0.07 (1)	10.00	C-X	0 / 1288
Y-B	-254 / 0	0.0 0.0	0.01 (1)	7.81	Y-C	-7628 / 0
O-M	-244 / 0	0.0 0.0	0.01 (1)	7.81	P-L	0 / 637
					L-O	-4574 / 0
Y-AA	0 / 8069	-18.5 -18.5	0.43 (1)	10.00		
AA-AB	0 / 8069	-18.5 -18.5	0.43 (1)	10.00		
AB-X	0 / 8069	-18.5 -18.5	0.43 (1)	10.00		
X-AC	0 / 7086	-18.5 -18.5	0.56 (1)	10.00		
AC-W	0 / 7086	-18.5 -18.5	0.56 (1)	10.00		
W-V	0 / 10450	-18.5 -18.5	0.78 (1)	10.00		
V-U	0 / 10450	-18.5 -18.5	0.78 (1)	10.00		
U-T	0 / 10410	-18.5 -18.5	0.74 (1)	10.00		
T-S	0 / 8252	-18.5 -18.5	0.60 (1)	10.00		
S-R	0 / 6208	-18.5 -18.5	0.44 (1)	10.00		
R-Q	0 / 6208	-18.5 -18.5	0.44 (1)	10.00		
Q-P	0 / 4142	-18.5 -18.5	0.29 (1)	10.00		
P-O	0 / 3639	-18.5 -18.5	0.28 (1)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-10-8	-231	-231		BACK	VERT	TOTAL		C1
X	9-5-8	-2149	-2149		BACK	VERT	TOTAL		C1
Y	5-11-4	-21	-21		BACK	VERT	TOTAL		C1
Z	7-11-4	-76	-76		BACK	VERT	TOTAL		C1
AA	1-11-4	-20	-20		BACK	VERT	TOTAL		C1
AB	3-11-4	-21	-21		BACK	VERT	TOTAL		C1
AC	7-11-4	-21	-21		BACK	VERT	TOTAL		C1

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 DL/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.33")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/755 (0.60")

CSI: TC=0.62/1.00 (E-F:1), BC=0.78/1.00 (U-W:1),
WB=0.66/1.00 (C-Y:1), SS=0.11/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

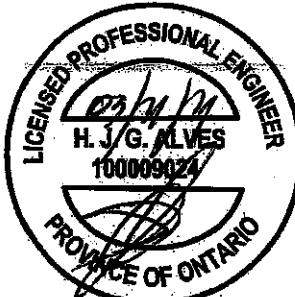
MT20 650 371 1747 768 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

JSI METAL= 0.98 (V) (INPUT = 1.00)



Structural component only
DWG# T-2108139

JOB NAME 417443	TRUSS NAME T31Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:52:42 2021 Page 2 ID:wa2i6usWauAif5BCJTGMC4FzZixO-z14PDkueCnGIMow7diaEHV1nv3jdTChxE6Um2LzZ63Z	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	4.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.25	2.25
D	TTWW-m	MT20	6.0	9.0	2.00	3.50
E	TMWW-t	MT20	4.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMW+w	MT20	2.0	4.0		
H	TS-t	MT20	3.0	6.0		
I	TMWW-t	MT20	4.0	4.0		
J	TMWW-t	MT20	4.0	6.0		
K	TTWW-m	MT20	6.0	9.0	2.00	3.50
L	TMWW-t	MT20	5.0	6.0	2.25	2.25
M	TMV+p	MT20	4.0	4.0		
O	BMVW1-t	MT20	5.0	8.0	2.50	3.50
P, S, U, X						
P	BMVW-t	MT20	5.0	6.0		
Q	BMVW-t	MT20	5.0	8.0	4.25	2.00
R	BS-t	MT20	5.0	6.0		
T	BMVWW-t	MT20	5.0	8.0		
V	BS-t	MT20	5.0	6.0		
W	BMVW-t	MT20	5.0	8.0	4.25	2.00
Y	BMVW1-t	MT20	5.0	8.0	2.50	3.50

NOTES- (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

CONNECTION REQUIREMENTS

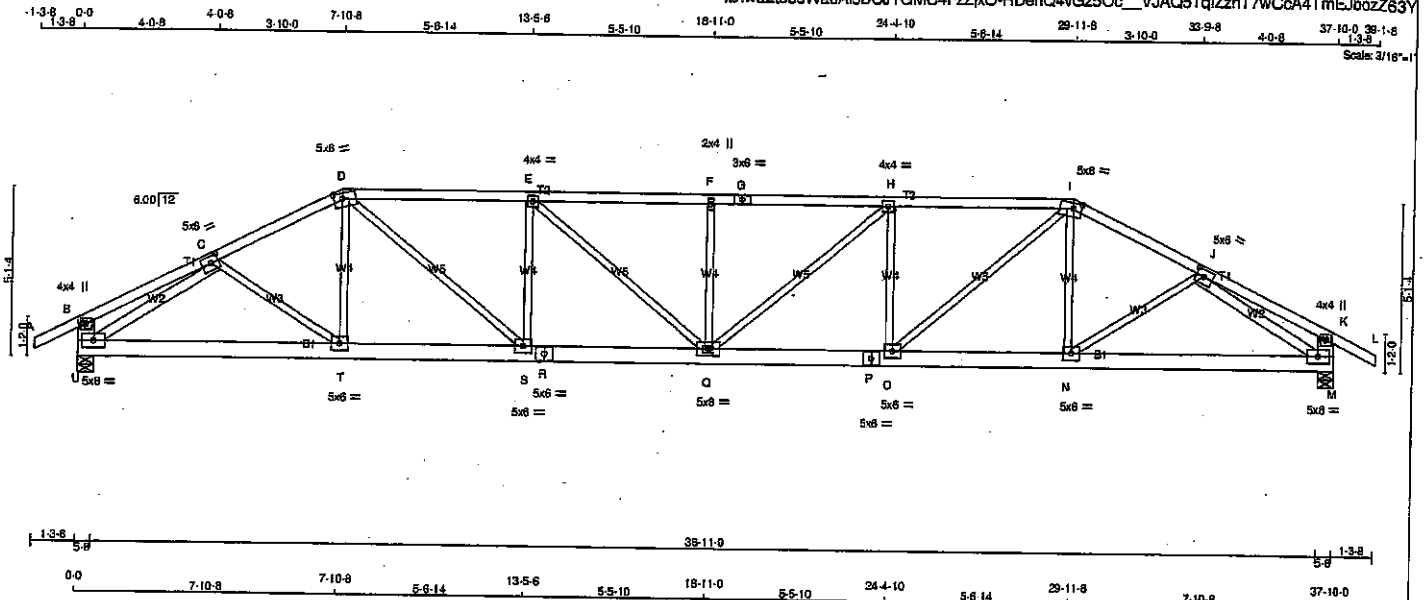
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108139 *m*

JOB NAME 417443	TRUSS NAME T32	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:52:43 2021 Page 1
ID:wa2t6usWauA15BCJTGMC4FzZpXO-RDenQ4vGz5Oc_VJAQ5TqIZnT7wCcA4TmEJbozZ63Y



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
G - I	2x4	DRY	No.2	SPF	
I - L	2x4	DRY	No.2	SPF	
U - B	2x6	DRY	No.2	SPF	
M - K	2x6	DRY	No.2	SPF	
U - R	2x6	DRY	No.2	SPF	
R - P	2x6	DRY	No.2	SPF	
P - M	2x6	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
U - C	2x4	DRY	No.2	SPF	
J - M	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	4.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	2.75
D	TTWW-m	MT20	5.0	8.0	2.00	3.00
E	TMWW-t	MT20	4.0	4.0		
F	TMWW-w	MT20	2.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMWW-t	MT20	4.0	4.0		
I	TTWW-m	MT20	5.0	8.0	2.00	3.00
J	TMWW-t	MT20	5.0	6.0	2.50	2.75
K	TMV+p	MT20	4.0	4.0		
N	BMVW1-t	MT20	5.0	8.0		
N, O, S, T						
N	BMVW-t	MT20	5.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMVW-w	MT20	5.0	8.0		
R	BS-t	MT20	5.0	6.0		
U	BMVW1-t	MT20	5.0	8.0		

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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		
U	2210	0	2210	0	5-8	5-8
M	2210	0	2210	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOOSE		MAX-MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE		
U	1561	1037.0	0.0	0.0	523.0	0.0
M	1561	1037.0	0.0	0.0	523.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.80 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LG1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO									
A-B	0.128	-91.8	-91.8	0.12 (1)	10.00	C-T	0.195	0.03 (4)	
B-C	0.116	-91.8	-91.8	0.20 (1)	10.00	T-D	0.116	0.04 (4)	
C-D	-3116.0	-91.8	-91.8	0.35 (1)	3.67	N-I	0.116	0.04 (4)	
D-E	-3881.0	-91.8	-91.8	0.78 (1)	2.96	N-J	0.195	0.03 (4)	
E-F	-4201.0	-91.8	-91.8	0.81 (1)	2.80	U-C	-3285.0	0.83 (1)	
F-G	-4201.0	-91.8	-91.8	0.81 (1)	2.80	J-M	-3285.0	0.83 (1)	
G-H	-4201.0	-91.8	-91.8	0.81 (1)	2.80	C-I	0.1453	0.33 (1)	
H-I	-3881.0	-91.8	-91.8	0.78 (1)	2.96	D-S	0.1453	0.33 (1)	
I-J	-3116.0	-91.8	-91.8	0.35 (1)	3.67	O-H	-849.0	0.30 (1)	
J-K	0.116	-91.8	-91.8	0.20 (1)	10.00	S-E	-849.0	0.30 (1)	
K-L	0.128	-91.8	-91.8	0.12 (1)	10.00	Q-H	0.1424	0.10 (1)	
U-B	-270.0	0.0	0.0	0.02 (1)	7.81	E-Q	0.1424	0.10 (1)	
M-K	-270.0	0.0	0.0	0.02 (1)	7.81	Q-F	-461.0	0.17 (1)	
U-T	0.12698	-18.5	-18.5	0.39 (1)	10.00				
T-S	0.12772	-18.5	-18.5	0.38 (1)	10.00				
S-R	0.13881	-18.5	-18.5	0.52 (1)	10.00				
R-Q	0.13881	-18.5	-18.5	0.52 (1)	10.00				
Q-P	0.13881	-18.5	-18.5	0.52 (1)	10.00				
P-O	0.13881	-18.5	-18.5	0.52 (1)	10.00				
O-N	0.12772	-18.5	-18.5	0.38 (1)	10.00				
N-M	0.12698	-18.5	-18.5	0.39 (1)	10.00				

TOTAL WEIGHT = 2 X 176 = 352 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.24")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.45")

CSI: TC=0.81/1.00 (F-H:1), BC=0.52/1.00 (Q-S:1),
WB=0.83/1.00 (C-U:1), SSI=0.24/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

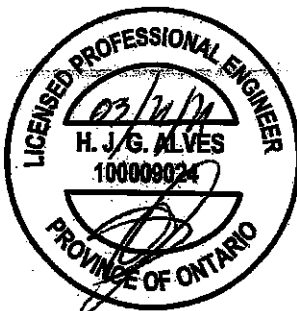
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1673

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (J) (INPUT = 0.90)
JSI METAL = 0.75 (C) (INPUT = 1.00)

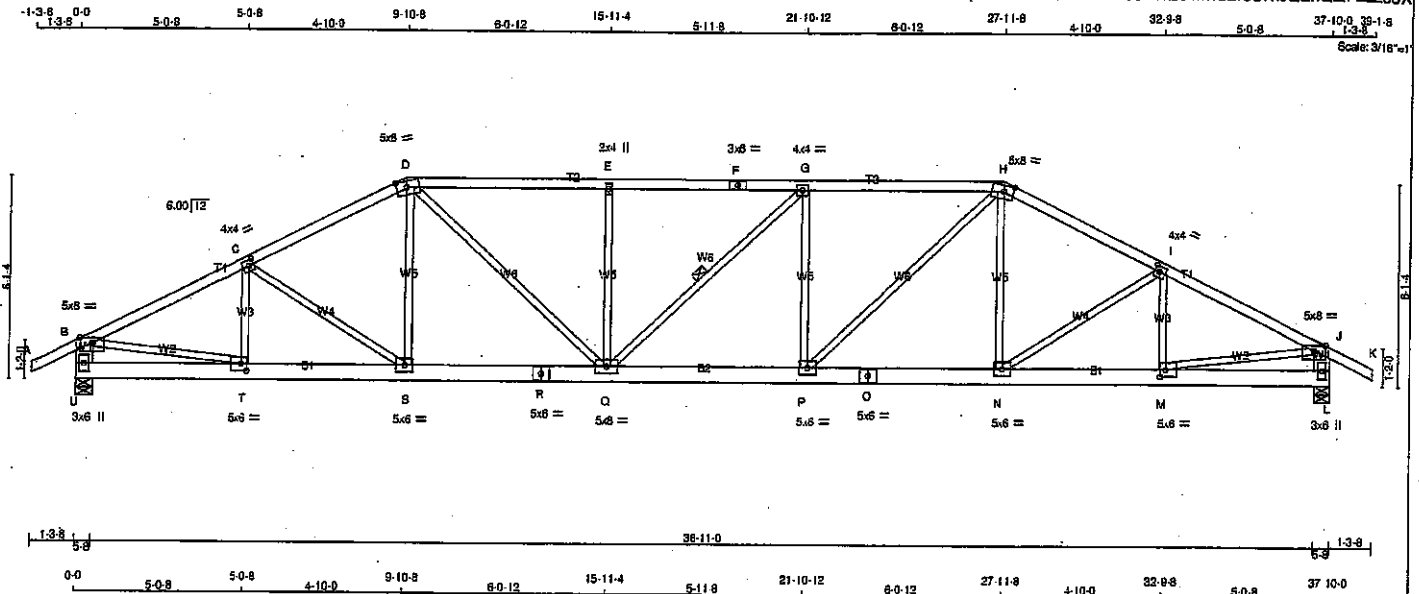


Structural component only
DWG# T-2108140

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T33	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:52:44 2021 Page 1
ID:wa216usWauA15BCJTGM4FzixO-vPC9eCwukOWTb84Vik8dImw6BrS7x6QEHqZ7EzZ63X



TOTAL WEIGHT = 2 X 177 = 355 lb

LUMBER			
N.L.G.A. RULES	CHORDS	SIZE	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
U - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			SPF

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 TMWW-t	MT20	4.0	4.0	2.00	1.75
D TTWW-m	MT20	5.0	8.0	2.25	3.50
E TMW-w	MT20	2.0	4.0		
F TS-t	MT20	3.0	6.0		
G TMWW-t	MT20	4.0	4.0		
H TTWW-m	MT20	5.0	8.0	2.25	3.50
I TMWW-t	MT20	4.0	4.0	2.00	1.75
J TMVW-p	MT20	5.0	8.0	Edge	
L BMV1-p	MT20	3.0	6.0		
M BMWW-t	MT20	5.0	6.0	2.50	2.00
N P-S					
O BMWW-t	MT20	5.0	6.0		
Q BS-t	MT20	5.0	6.0		
R BMWW-t	MT20	5.0	6.0		
T BMWW-p	MT20	5.0	6.0	2.50	2.00
U BMV1-p	MT20	3.0	6.0		

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

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
JT	2210	0	2210	0
U	2210	0	2210	0
L	2210	0	2210	0

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
JT	1561	1037.0	0.0	0.0	0.0	523.0
U	1561	1037.0	0.0	0.0	0.0	523.0
L	1561	1037.0	0.0	0.0	0.0	523.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.30 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-Q.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN

THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.
FR-TO				FR-TO			
A-B	0.28	-91.8	-91.8 0.12 (1)	10.00	T-C	-369.0	0.08 (1)
B-C	-3126.0	-91.8	-91.8 0.42 (1)	3.62	C-S	-175.0	0.10 (1)
C-D	-3011.0	-91.8	-91.8 0.40 (1)	3.70	S-D	0.244	0.05 (1)
D-E	-3410.0	-91.8	-91.8 0.59 (1)	3.30	D-Q	0.1012	0.23 (1)
E-F	-3410.0	-91.8	-91.8 0.55 (1)	3.36	Q-E	-597.0	0.33 (1)
F-G	-3410.0	-91.8	-91.8 0.55 (1)	3.36	Q-G	-8.0	0.00 (1)
G-H	-3416.0	-91.8	-91.8 0.59 (1)	3.30	P-G	-595.0	0.32 (1)
H-I	-3009.0	-91.8	-91.8 0.40 (1)	3.70	P-H	0.1022	0.23 (1)
I-J	-3127.0	-91.8	-91.8 0.42 (1)	3.62	N-H	0.238	0.05 (1)
J-K	0.28	-91.8	-91.8 0.12 (1)	10.00	N-I	-177.0	0.11 (1)
U-B	-2147.0	0.0	0.0 0.14 (1)	6.94	M-I	-367.0	0.08 (1)
L-J	-2147.0	0.0	0.0 0.14 (1)	6.94	B-T	0.2849	0.54 (1)
					M-J	0.2849	0.54 (1)
U-T	0.0	-18.5	-18.5 0.07 (1)	10.00			
T-S	0.2816	-18.5	-18.5 0.39 (1)	10.00			
S-R	0.2678	-18.5	-18.5 0.36 (1)	10.00			
R-Q	0.2675	-18.5	-18.5 0.36 (1)	10.00			
Q-P	0.2417	-18.5	-18.5 0.46 (1)	10.00			
P-O	0.2673	-18.5	-18.5 0.36 (1)	10.00			
O-N	0.2673	-18.5	-18.5 0.36 (1)	10.00			
N-M	0.2816	-18.5	-18.5 0.39 (1)	10.00			
M-L	0.0	-18.5	-18.5 0.07 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019

- PART 9 OF CBC 2012 (2019 AMENDMENT)

- CSA 086-14

- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")

CALCULATED VERT. DEFL.(LL) = L/999 (0.20")

ALLOWABLE DEFL.(TL) = L/360 (1.26")

CALCULATED VERT. DEFL.(TL) = L/999 (0.37")

CSI: TC=0.59/1.00 (G-H), BC=0.46/1.00 (P-Q), WB=0.64/1.00 (J-M), SS=0.25/1.00 (G-H)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN

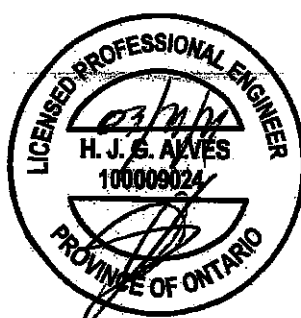
MT20 650 371 1747 758 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.87 (H) (INPUT = 0.90)

JSI METAL = 0.64 (M) (INPUT = 1.00)

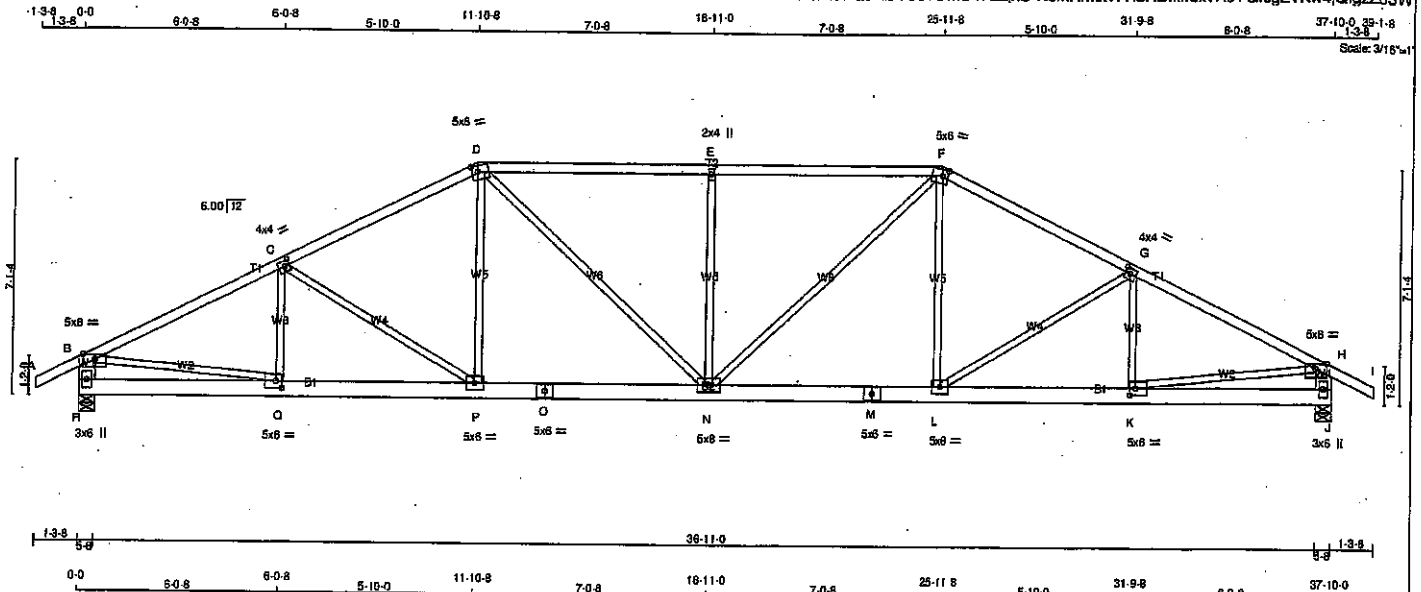


Structural component only
DWG# T-2108141

JOB NAME 417443	TRUSS NAME T34	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:wa216usWauA5BCJTGMC4FzZxO-NcmXrmWVieKDiflr8xv7UYGrJgZVNw4QfzZ3W



LUMBER				
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
R - B	2x8	DRY	No.2	SPF
J - H	2x8	DRY	No.2	SPF
R - O	2x8	DRY	No.2	SPF
O - M	2x8	DRY	No.2	SPF
M - J	2x8	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTWW-m	MT20	5.0	6.0	2.25	2.00
E	TMW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	8.0	2.25	2.00
G	TMWW-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-p	MT20	5.0	8.0	Edge	
J	BMV1+p	MT20	3.0	8.0		
K	BMWW-t	MT20	5.0	6.0	2.50	2.00
L	BMWW-t	MT20	5.0	6.0		
M	BS-t	MT20	5.0	6.0		
N	BMWW-t	MT20	5.0	6.0		
O	BS-t	MT20	5.0	6.0		
P	BMWW-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	2.00
R	BMV1+p	MT20	3.0	8.0		

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

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	DOWN	HORZ	UP/LIFT	BRG	IN-SX
R	2210	0	2210	0	0	0	0	5-8	5-8
J	2210	0	2210	0	0	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
R	1561	1037 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
J	1561	1037 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.17 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		W E B S	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	FORCE (LBS)
FR-TO				FR-TO	
A-B	0 / 28	-91.8	-91.8 0.12 (1)	Q-C	-290 / 0
B-C	-3187 / 0	-91.8	-91.8 0.82 (1)	C-P	-402 / 0
C-D	-2867 / 0	-91.8	-91.8 0.56 (1)	P-D	0 / 389
D-E	-3019 / 0	-91.8	-91.8 0.79 (1)	D-N	0 / 654
E-F	-3019 / 0	-91.8	-91.8 0.79 (1)	N-E	-795 / 0
F-G	-2867 / 0	-91.8	-91.8 0.56 (1)	N-F	0 / 654
G-H	-3187 / 0	-91.8	-91.8 0.82 (1)	L-F	0 / 389
H-I	0 / 28	-91.8	-91.8 0.12 (1)	L-G	-402 / 0
R-B	-2145 / 0	0.0	0.0 0.14 (1)	K-G	-290 / 0
J-H	-2145 / 0	0.0	0.0 0.14 (1)	B-Q	0 / 2899
R-Q	0 / 0	-18.5	-18.5 0.08 (4)	K-H	0 / 2899
Q-P	0 / 2875	-18.5	-18.5 0.40 (1)		
P-O	0 / 2542	-18.5	-18.5 0.36 (1)		
O-N	0 / 2542	-18.5	-18.5 0.36 (1)		
N-M	0 / 2542	-18.5	-18.5 0.36 (1)		
M-L	0 / 2542	-18.5	-18.5 0.36 (1)		
L-K	0 / 2875	-18.5	-18.5 0.40 (1)		
K-J	0 / 0	-18.5	-18.5 0.08 (4)		

TOTAL WEIGHT = 2 X 176 = 352 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.17")
ALLOWABLE DEFL.(TL) = L/360 (1.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CSI: TC=0.79/1.00 (E-F:1), BC=0.40/1.00 (P-Q:1),
WB=0.65/1.00 (B-Q:1), SS=0.31/1.00 (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

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)
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.65 (Q) (INPUT = 1.00)



Structural component only
DWG# T-2108142

Tamarack Roof Truss, Burlington

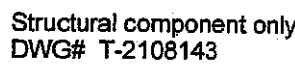
Version 8.420 S Jan 21 2021 MTek Industries, Inc. Sat Mar 20 08:52:46 2021 Page 1
ID:wa2t8usWauA15BCJTGMC4FzZpXo-roKw36x8G0mBrREuSZfARLBTngBVPpXPX9kSzB7zZ63v



NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

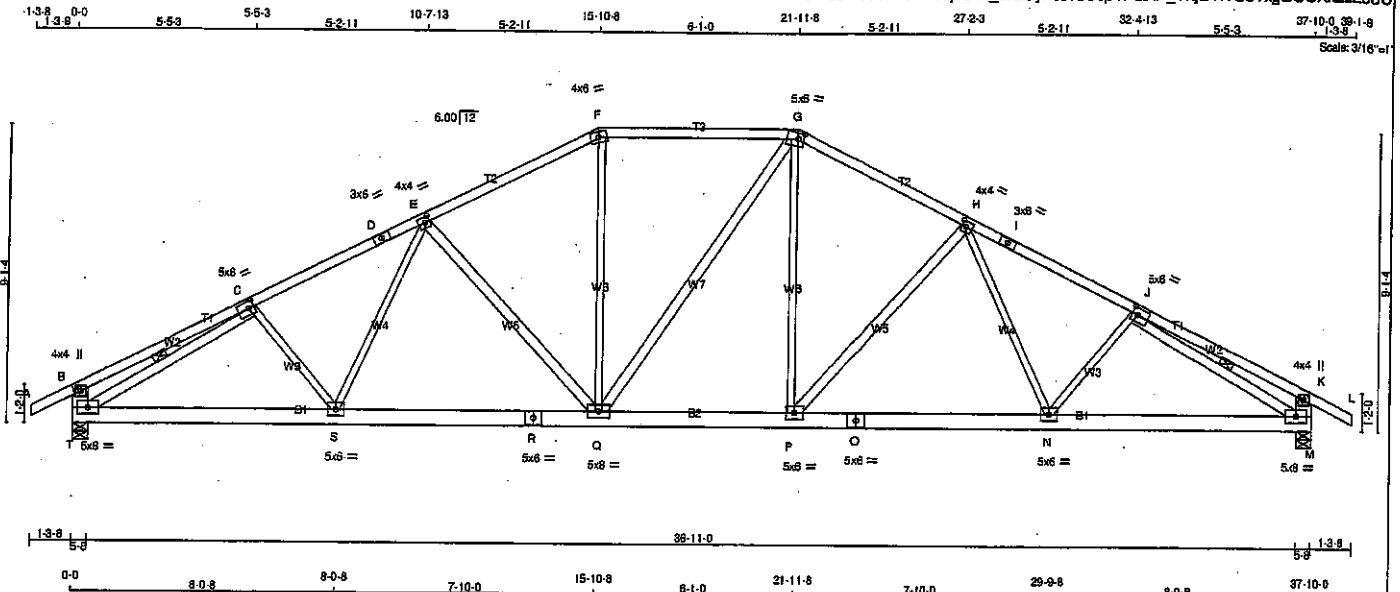
CHORDS				WEBBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. UNBRAC.	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0 / 29	-91.8	-91.8 0.12 (1)	10.00	S-C	-204 / 48	0.06 (1)
B-C	-3212 / 0	-91.8	-91.8 0.69 (1)	3.05	C-Q	-618 / 0	0.87 (1)
C-D	-2694 / 0	-91.8	-91.8 0.76 (1)	3.42	Q-E	0 / 464	0.10 (1)
D-E	-2694 / 0	-91.8	-91.8 0.78 (1)	3.42	E-F	0 / 371	0.08 (1)
E-F	-2588 / 0	-91.8	-91.8 0.38 (1)	3.96	F-P	-583 / 0	0.67 (1)
F-G	-2588 / 0	-91.8	-91.8 0.38 (1)	3.96	P-G	0 / 371	0.08 (1)
G-H	-2694 / 0	-91.8	-91.8 0.76 (1)	3.42	O-G	0 / 464	0.10 (1)
H-I	-2694 / 0	-91.8	-91.8 0.78 (1)	3.42	O-I	-618 / 0	0.87 (1)
I-J	-3212 / 0	-91.8	-91.8 0.89 (1)	3.05	M-I	-204 / 48	0.08 (1)
J-K	0 / 29	-91.8	-91.8 0.12 (1)	10.00	B-S	0 / 2921	0.66 (1)
T-B	-2143 / 0	0.0	0.0 0.14 (1)	6.95	M-J	0 / 2921	0.66 (1)
L-J	-2143 / 0	0.0	0.0 0.14 (1)	6.95			
T-S	0 / 0	-18.5	-18.5 0.10 (4)	10.00			
S-R	0 / 2903	-18.5	-18.5 0.40 (1)	10.00			
R-Q	0 / 2903	-18.5	-18.5 0.40 (1)	10.00			
Q-P	0 / 2384	-18.5	-18.5 0.33 (1)	10.00			
P-O	0 / 2384	-18.5	-18.5 0.33 (1)	10.00			
O-N	0 / 2903	-18.5	-18.5 0.40 (1)	10.00			
N-M	0 / 2903	-18.5	-18.5 0.40 (1)	10.00			
M-L	0 / 0	-18.5	-18.5 0.10 (4)	10.00			

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.66 (M) (INPUT = 1.00)



JOB NAME 417443	TRUSS NAME T36	QUANTITY 5	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:52:47 2021 Page 1
ID:wa216usWauA16BCJTGM4FZJxO-K_uIGSyn0Jv2Sbp4PGAP_YkqE4WU8TgOOCXkZzZ63U



TOTAL WEIGHT = 5 X 194 = 969 LBS

LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER		
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
F - G	2x4	DRY	No.2	SPF	
G - I	2x4	DRY	No.2	SPF	
I - L	2x4	DRY	No.2	SPF	
T - B	2x6	DRY	No.2	SPF	
M - K	2x6	DRY	No.2	SPF	
T - R	2x6	DRY	No.2	SPF	
R - O	2x6	DRY	No.2	SPF	
O - M	2x6	DRY	No.2	SPF	
ALL WEBS				2x3	DRY No.2 SPF
EXCEPT					
E - Q	2x4	DRY	No.2	SPF	
Q - G	2x4	DRY	No.2	SPF	
P - H	2x4	DRY	No.2	SPF	
T - C	2x4	DRY	No.2	SPF	
J - M	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	4.0	4.0		
C	TMVW-1	MT20	5.0	8.0	2.50	2.00
D	TS-t	MT20	3.0	6.0		
E	TMVW-1	MT20	4.0	4.0	2.00	1.50
F	TTW-m	MT20	4.0	6.0		
G	TTW-m	MT20	5.0	8.0	2.25	2.00
H	TMVW-1	MT20	4.0	4.0	2.00	1.50
I	TS-t	MT20	3.0	6.0		
J	TMVW-1	MT20	5.0	6.0	2.50	2.00
K	TMV-p	MT20	4.0	4.0		
M	BMVW-1-t	MT20	5.0	8.0		
N, P, S						
N	BMVW-1	MT20	5.0	6.0		
O	BS-t	MT20	5.0	6.0		
Q	BMVW-1	MT20	5.0	8.0		
R	BS-t	MT20	5.0	6.0		
T	BMVW-1-t	MT20	5.0	8.0		

NOTES: (1)

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	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
T	2210	0	2210	0	0	5-8	5-8	
M	2210	0	2210	0	0	5-8	5-8	

UNFACTORED REACTIONS

	1ST CASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
T	1581	1037 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0
M	1581	1037 / 0	0 / 0	0 / 0	0 / 0	523 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.66 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-T, J-M.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FACTORED	FORCE	VERT. LOAD	LC1 MAX	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED	MAX
FR-TO			FROM TO	CSI (LC)		FR-TO		CSI (LC)
A-B	0 / 26		-91.8	-91.8 0.12 (1)	10.00	C-S	-110 / 37	0.04 (1)
B-C	0 / 20		-91.8	-91.8 0.32 (1)	10.00	S-E	0 / 258	0.08 (4)
C-D	-3071 / 0		-91.8	-91.8 0.43 (1)	3.66	E-O	-670 / 0	0.85 (1)
D-E	-3071 / 0		-91.8	-91.8 0.43 (1)	3.66	O-F	0 / 635	0.14 (1)
E-F	-2488 / 0		-91.8	-91.8 0.39 (1)	4.03	F-G	0 / 3	0.00 (1)
F-G	-2213 / 0		-91.8	-91.8 0.52 (1)	4.03	P-H	0 / 631	0.14 (1)
G-H	-2488 / 0		-91.8	-91.8 0.39 (1)	4.03	H-N	-672 / 0	0.88 (1)
H-I	-3072 / 0		-91.8	-91.8 0.43 (1)	3.66	N-J	0 / 262	0.08 (4)
I-J	-3072 / 0		-91.8	-91.8 0.43 (1)	3.66	J-M	-110 / 37	0.04 (1)
J-K	0 / 20		-91.8	-91.8 0.32 (1)	10.00	T-C	-3351 / 0	0.84 (1)
K-L	0 / 28		-91.8	-91.8 0.12 (1)	10.00			
T-B	-324 / 0		0.0	0.0 0.02 (1)	7.81			
M-K	-324 / 0		0.0	0.0 0.02 (1)	7.81			
T-S	0 / 2816		-18.5	-18.5 0.42 (1)	10.00			
S-R	0 / 2648		-18.5	-18.5 0.37 (1)	10.00			
R-Q	0 / 2646		-18.5	-18.5 0.37 (1)	10.00			
Q-P	0 / 2211		-18.5	-18.5 0.31 (1)	10.00			
P-O	0 / 2645		-18.5	-18.5 0.37 (1)	10.00			
O-N	0 / 2645		-18.5	-18.5 0.37 (1)	10.00			
N-M	0 / 2816		-18.5	-18.5 0.41 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.5 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/800 (1.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.14")
ALLOWABLE DEFL.(TL) = L/800 (1.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.26")

CSI: TC=0.52/1.00 (F-G:1), BC=0.42/1.00 (S-T:1), WB=0.66/1.00 (H-P:1), SS=0.22/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.85 (M) (INPUT = 0.90)
JSI METAL= 0.75 (J) (INPUT = 1.00)



Structural component only
DWG# T-2108144

Tamarack Roof Truss, Burlington

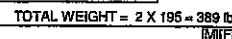
Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:52:47 2021 Page 1

ID:wa2t6usWauA15BCJTGMC4FzjxO-K_uIGSyn0Jv2Sbp4PGAP_Ykd4Wk8T1gOOCXkZzZ63U

1-3-8 0-0 6-1-3 11-11-13 17-10-9 19-11-8 25-10-3 31-8-13 37-10-9 39-1-8

1-3-8 6-1-3 5-10-11 5-10-11 2-1-0 5-10-11 5-10-11 5-10-11 1-3-8

Scale: 3/16" = 1'



V-U	0/0	-18.5	-18.5	0.08 (4)	10.00
U-T	0/2862	-18.5	-18.5	0.40 (1)	10.00
T-S	0/2571	-18.5	-18.5	0.37 (1)	10.00
S-R	0/2571	-18.5	-18.5	0.37 (1)	10.00
R-Q	0/2022	-18.5	-18.5	0.30 (1)	10.00
Q-P	0/2576	-18.5	-18.5	0.35 (1)	10.00
P-O	0/2576	-18.5	-18.5	0.35 (1)	10.00
O-N	0/2860	-18.5	-18.5	0.39 (1)	10.00
N-M	0/0	-18.5	-18.5	0.08 (4)	10.00

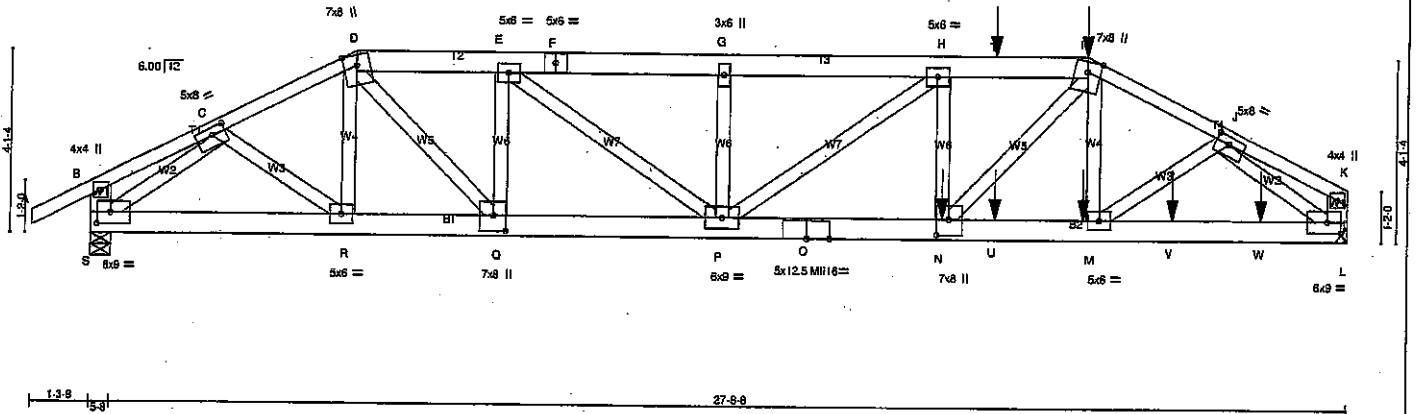
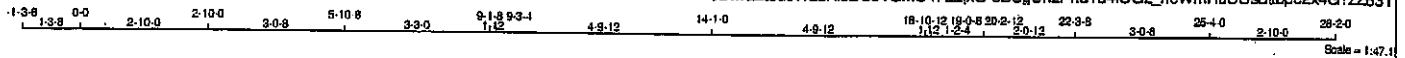
JSI GRIP= 0.88 (F) (INPUT = 0.90)
JSI METAL= 0.65 (U) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T38	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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JD:wa2t6usWauA15BCJTGM4Fz2jxO-oBSgUnzPnd1u4IOGz_heWmHuUUsdtbpc2x4G?zZ63T



TOTAL WEIGHT = 155 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x6	DRY	No.2
F - I	2x6	DRY	No.2
I - K	2x4	DRY	No.2
S - B	2x6	DRY	No.2
L - K	2x6	DRY	No.2
O - L	2x6	DRY	2100F 1.8E
O - L	2x6	DRY	2100F 1.8E
ALL WEBS	2x4	DRY	No.2
EXCEPT			SPF

DRY, SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	4.0	4.0		
C	TMVW-1	MT20	5.0	8.0	2.00	3.50
D	TTWV+m	MT20	7.0	8.0	Edge	
E	TMVW-1	MT20	5.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMVW+m	MT20	3.0	6.0		
H	TMVW-1	MT20	5.0	6.0		
I	TTWV+m	MT20	7.0	8.0	Edge	
J	TMVW-1	MT20	5.0	8.0	2.00	3.50
K	TMV+p	MT20	4.0	4.0		
L	BMVW-1	MT20	6.0	9.0	3.00	3.75
M	BMVW-1	MT20	5.0	6.0		
N	BMVW-1	MT20	7.0	8.0	4.25	3.25
O	BS-t	MT18	5.0	12.5		
P	BMVW-1	MT20	6.0	9.0		
Q	BMVW-1	MT20	7.0	8.0	4.25	3.25
R	BMVW-1	MT20	5.0	6.0		
S	BMVW-1	MT20	6.0	9.0	3.00	3.75

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

NOTES - (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	BRG	IN-SX	IN-SX
JT VERT	3406	0	3406	0	0	MECHANICAL	MECHANICAL
L	3406	0	3406	0	0	5-8	5-8
S	2478	0	2478	0	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST LOSE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	2408	1582	0	0	0	828	0
S	1749	1169	0	0	0	580	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.54 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 (LBS)	MAX. (PLF)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)
FR-TO		FROM TO		UNBRAC	FR-TO		
A-B	0/28	-91.8	-91.8	0.13 (1)	10.00	R-D	-225/0
B-C	0/10	-91.8	-91.8	0.10 (1)	10.00	M-I	-348/0
C-D	-3603/0	-91.8	-91.8	0.31 (1)	3.42	C-R	0/522
D-E	-4659/0	-91.8	-91.8	0.20 (1)	3.88	S-C	-3561/0
E-F	-6115/0	-91.8	-91.8	0.36 (1)	3.28	M-J	0/926
F-G	-6115/0	-91.8	-91.8	0.38 (1)	3.28	J-L	-5222/0
G-H	-6115/0	-91.8	-91.8	0.38 (1)	3.26	Q-E	-1519/0
H-T	-6788/0	-91.8	-91.8	0.40 (1)	3.07	D-Q	0/2147
T-I	-6788/0	-91.8	-91.8	0.40 (1)	3.07	N-H	-20/57
I-J	-5422/0	-91.8	-91.8	0.55 (1)	2.54	N-I	0/2881
J-K	0/8	-91.8	-91.8	0.10 (1)	10.00	P-H	-832/0
S-B	-227/0	0.0	0.0	0.02 (1)	7.81	E-P	0/1808
L-K	-109/0	0.0	0.0	0.01 (1)	7.81	P-G	-479/0

S-R		R-Q		Q-P		P-O		O-N		N-U		U-M		M-V		V-W		W-L	
0/2809	-18.5	-18.5	0.18 (1)	10.00	0/3237	-18.5	-18.5	0.18 (1)	10.00	0/4659	-18.5	-18.5	0.28 (1)	10.00	0/6786	-18.5	-18.5	0.42 (1)	10.00
0/6786	-18.5	-18.5	0.42 (1)	10.00	0/6786	-18.5	-18.5	0.42 (1)	10.00	0/4878	-18.5	-18.5	0.31 (1)	10.00	0/4878	-18.5	-18.5	0.31 (1)	10.00
0/4878	-18.5	-18.5	0.31 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00
0/4111	-18.5	-18.5	0.26 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00	0/4111	-18.5	-18.5	0.26 (1)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	22-3-8	-231	-231		FRONT	VERT	TOTAL		C1
M	22-2-12	-21	-21		FRONT	VERT	TOTAL		C1
N	19-0-8	-1484	-1484		FRONT	VERT	TOTAL		C1
T	20-2-12	-76	-76		FRONT	VERT	TOTAL		C1
U	20-2-12	-21	-21		FRONT	VERT	TOTAL		C1
V	24-2-12	-21	-21		FRONT	VERT	TOTAL		C1
W	28-2-12	-20	-20		FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.94")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.19")
ALLOWABLE DEFL.(TL) = $L/360$ (0.94")
CALCULATED VERT. DEFL.(TL) = $L/956$ (0.35")

CSI: TC=0.55/1.00 (H-I), BC=0.42/1.00 (N-P),
WB=0.82/1.00 (J-L), SS=0.16/1.00 (G-H)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	650	371	1747
MIN16	438	302	2547

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

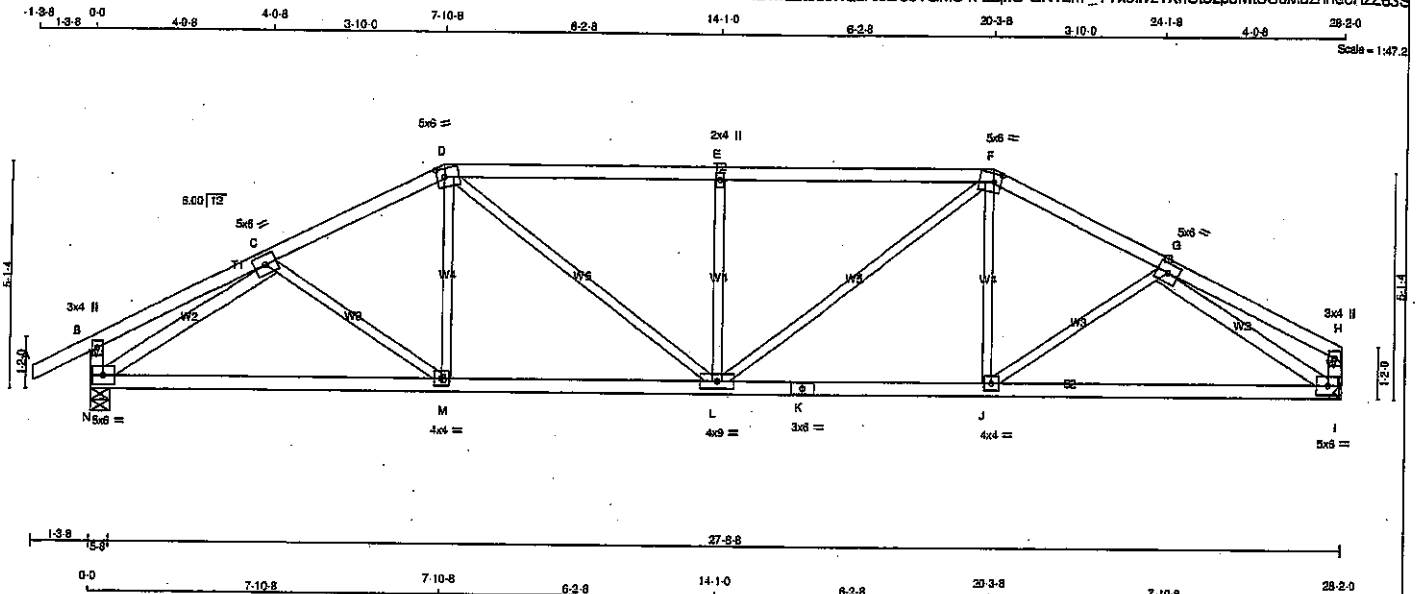
JSI METAL = 0.99 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108146

JOB NAME 417443	TRUSS NAME T39	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.420 S Jan 21 2021 Mittek Industries, Inc. Sat Mar 20 08:52:49 2021 Page 1	

ID:wa2t6usWauA15BCJTGMC4FzJkO-GN72h7_1Yx9livzTXhCt3zp3MtCuCmDzriheoRzZ63S



TOTAL WEIGHT = 111 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMVW-t	MT20	5.0	6.0		
D	TTWV-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTWV-m	MT20	5.0	6.0	2.25	2.00
G	TMVW-t	MT20	5.0	6.0		
H	TMV-p	MT20	3.0	4.0		
I	BMVW-t	MT20	5.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMVW-t	MT20	4.0	9.0		
M	BMVW-t	MT20	4.0	4.0		
N	BMVW-t	MT20	5.0	6.0		

NOTES

1) Lateral braces to be a minimum of 2x4 SPF #2.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HORZ	GROSS REACTION	DOWN	HORZ	IN-SX	IN-SX	BRG	BRG
N	1877	0	1877	0	0	5-8	5-8		
I	1553	0	1553	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	1184	790.0	0.0	0.0	0.0	0.0	394.0	0.0
I	1098	721.0	0.0	0.0	0.0	0.0	377.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.89 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED			WEBS			
MEMB.	MAX. FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MAX. CSI (LC)	MEMB.	MAX. FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	C-M	-35 / 52	0.02 (4)
B-C	0 / 17	-91.8	-91.8	0.21 (1)	10.00	M-D	0 / 178	0.05 (4)
C-D	-2091 / 0	-91.8	-91.8	0.21 (1)	4.52	D-L	0 / 640	0.14 (1)
D-E	-2383 / 0	-91.8	-91.8	0.54 (1)	3.89	L-E	-699 / 0	0.27 (1)
E-F	-2383 / 0	-91.8	-91.8	0.54 (1)	3.89	F-F	0 / 640	0.14 (1)
F-G	-2091 / 0	-91.8	-91.8	0.21 (1)	4.52	J-F	0 / 178	0.05 (4)
G-H	0 / 17	-91.8	-91.8	0.21 (1)	10.00	J-G	-35 / 52	0.02 (4)
N-B	-288 / 0	0.0	0.0	0.03 (1)	7.81	N-C	-2315 / 0	0.64 (1)
I-H	-144 / 0	0.0	0.0	0.01 (1)	7.81	G-I	-2315 / 0	0.64 (1)
N-M	0 / 1882	-18.5	-18.5	0.45 (1)	10.00			
M-L	0 / 1857	-18.5	-18.5	0.44 (1)	10.00			
L-K	0 / 1857	-18.5	-18.5	0.44 (1)	10.00			
K-J	0 / 1857	-18.5	-18.5	0.44 (1)	10.00			
J-I	0 / 1882	-18.5	-18.5	0.45 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	DL = 8.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.19")

CSI: TC=0.54/1.00 (D-E:1), BC=0.45/1.00 (M-N:1),
WB=0.64/1.00 (C-N:1), SSI=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

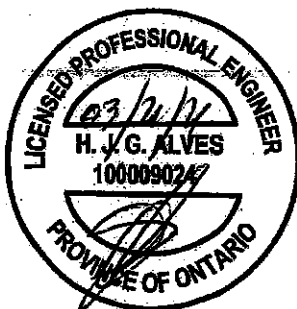
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)
MAX	MIN	MAX
MT20	650	371
	1747	786
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

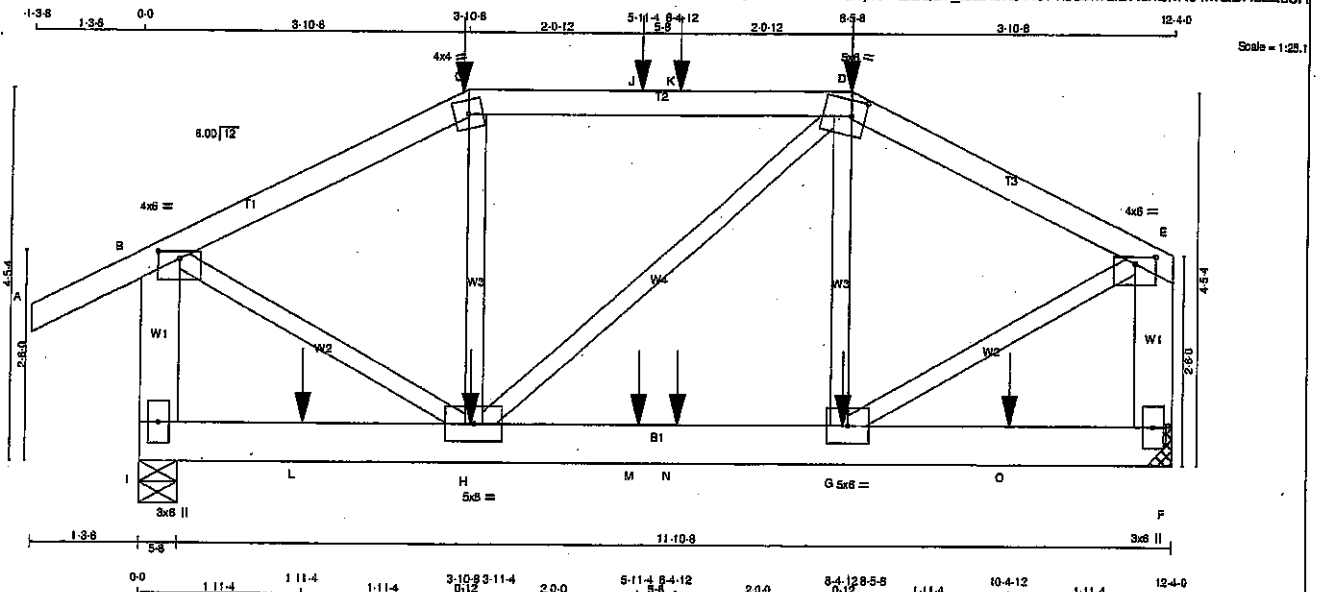
JSI GRIP = 0.83 (N) (INPUT = 0.90)
JSI METAL = 0.60 (K) (INPUT = 1.00)



Structural component only
DWG# T-2108147

JOB NAME 417443	TRUSS NAME T40	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:wa216usWauA15BCJTGM4FzZpXO-KZZQuT_JEHck3Y15Pk6cMBMBHhLwX64MQBKuzZ63R



LUMBER				
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x6	DRY	No.2	SPF
F - G	2x6	DRY	No.2	SPF
G - H	2x6	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	6.0	1.00	3.00
C	TTW-m	MT20	4.0	4.0		
D	TTW-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-p	MT20	4.0	6.0	1.00	3.00
F	BMV1-p	MT20	3.0	6.0		
G	BMVW-1	MT20	5.0	6.0		
H	BMVW-1	MT20	5.0	6.0		
I	BMV1-p	MT20	3.0	6.0		

NOTES-

- (1) Lateral braces to be a minimum of 2X4 SPF #2.

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		
I	1132	0	1132	0	5-8	5-8
F	1008	0	1008	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND			
I	797	542	0	0	0	255	0
F	712	473	0	0	0	239	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.18 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/28	-91.8	-91.8 0.13 (1)	H-C	-171/0	0.05 (1)	
B-C	-964/0	-91.8	-91.8 0.28 (1)	H-D	-3/0	0.00 (1)	
C-J	-788/0	-91.8	-91.8 0.41 (1)	G-D	-167/0	0.05 (1)	
J-K	-788/0	-91.8	-91.8 0.41 (1)	B-H	0/874	0.22 (1)	
K-D	-788/0	-91.8	-91.8 0.41 (1)	G-E	0/877	0.22 (1)	
D-E	-887/0	-91.8	-91.8 0.28 (1)				
L-B	-1099/0	0.0	0.0 0.10 (1)				
F-E	-977/0	0.0	0.0 0.09 (1)				
I-L	0/0	-18.5	-18.5 0.05 (4)				
L-H	0/0	-18.5	-18.5 0.05 (4)				
H-M	0/771	-18.5	-18.5 0.19 (1)				
M-N	0/771	-18.5	-18.5 0.19 (1)				
N-G	0/771	-18.5	-18.5 0.19 (1)				
G-O	0/0	-18.5	-18.5 0.05 (4)				
O-F	0/0	-18.5	-18.5 0.05 (4)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	3-10-8	-113	-113		BACK	VERT	TOTAL		C1
D	8-5-8	-113	-113		BACK	VERT	TOTAL		C1
G	8-4-12	-48	-48		BACK	VERT	TOTAL		C1
H	3-11-4	-48	-48		BACK	VERT	TOTAL		C1
J	5-11-4	-8	-8		BACK	VERT	TOTAL		C1
K	8-4-12	-8	-8		BACK	VERT	TOTAL		C1
L	1-11-4	-14	-14		BACK	VERT	TOTAL		C1
M	5-11-4	-48	-48		BACK	VERT	TOTAL		C1
N	8-4-12	-48	-48		BACK	VERT	TOTAL		C1
O	10-4-12	-14	-14		BACK	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	DL = 6.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CS1: TC=0.41/1.00 (C-D:1), BC=0.19/1.00 (G-H:1), WB=0.22/1.00 (E-G:1), SS=0.19/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

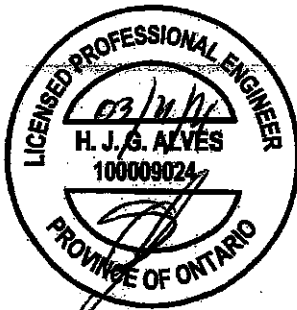
PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	650	371	1747

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.55 (B) (INPUT = 0.90)

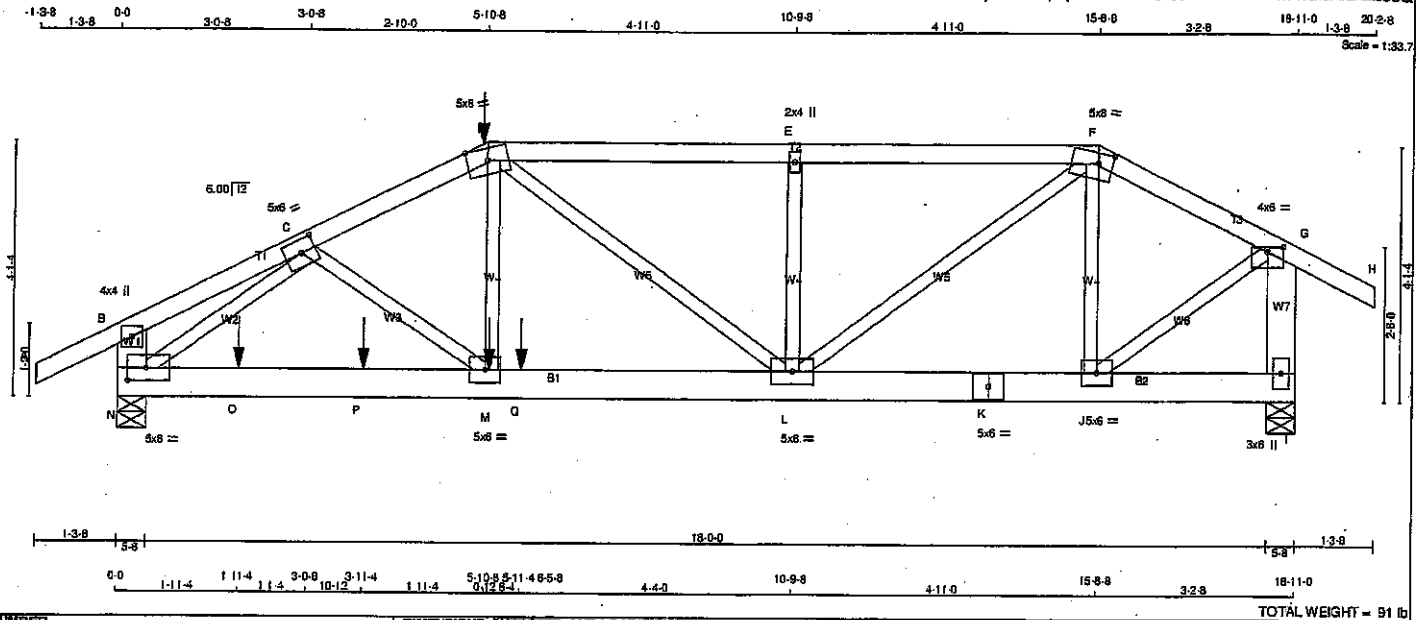
JSI METAL = 0.21 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108148

JOB NAME 417443	TRUSS NAME T41	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:wa2i6usWauA15BCJTGMC4FzZjxO-Cm7p6p7H4YPTxD6re6FL8OvPEhrk4FnG10AldKz263Q



TOTAL WEIGHT = 91 lb

LUMBER	N. L. & A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
F - H	2x4	DRY	No.2	SPF	
N - B	2x6	DRY	No.2	SPF	
I - G	2x6	DRY	No.2	SPF	
N - K	2x6	DRY	No.2	SPF	
K - I	2x6	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	4.0	4.0		
C TMW-w	MT20	5.0	8.0	2.50	2.75
D TTW-w	MT20	5.0	8.0	Edge	
E TMW-w	MT20	2.0	4.0		
F TTW-w	MT20	5.0	8.0	2.00	2.75
G TMW-p	MT20	4.0	8.0	1.00	3.00
I BMV1-p	MT20	3.0	8.0		
J BMW-w	MT20	5.0	8.0		
K BS-t	MT20	5.0	8.0		
L BMW-w	MT20	5.0	8.0		
M BMW-w	MT20	5.0	8.0		
N BMW-w	MT20	5.0	8.0	2.50	3.50

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

NOTES:

1) Lateral braces to be a minimum of 2X4 SPF #2.

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	1647	0	1647	0
I	1647	0	1647	0
N	2153	0	2153	0

UNFACTORED REACTIONS

	1ST LOOSE	MAX/MIN	COMPONENT REACTIONS	
JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND
I	1181	785	0	0
N	1519	1015	0	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS I, N

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

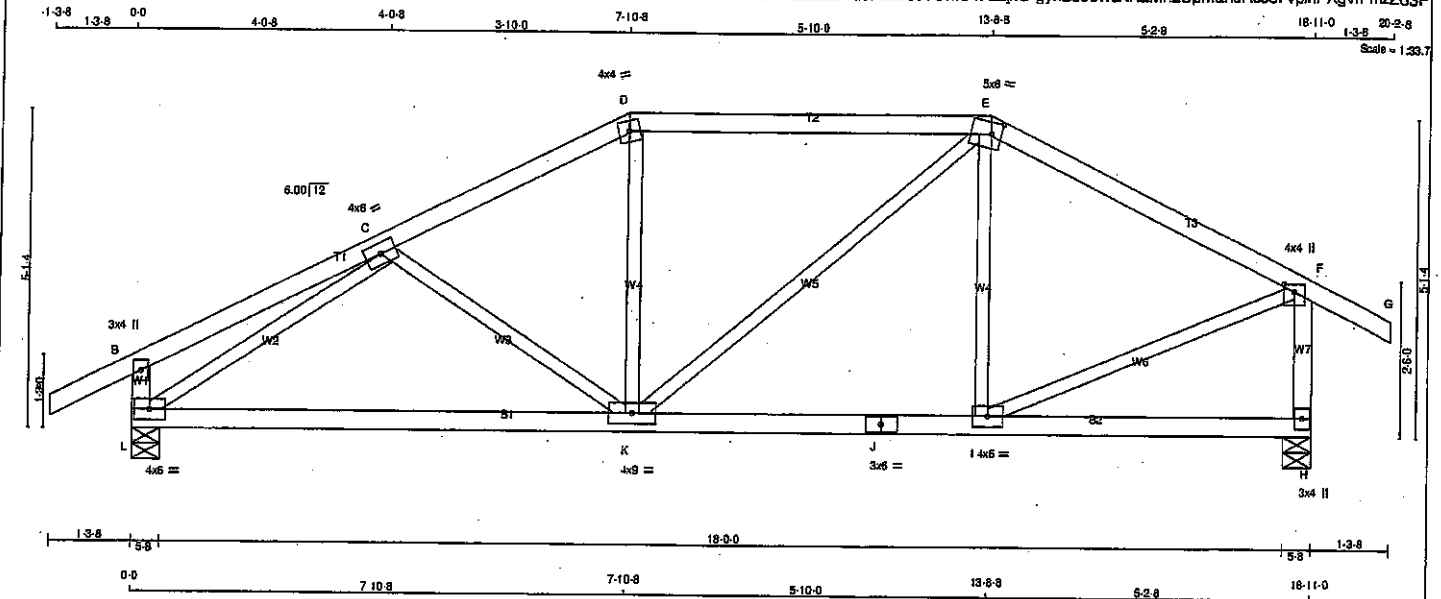
LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8 -91.8	0.13 (1)	10.00	M-D	0 / 958	0.24 (1)
B-C	0 / 8	-91.8 -91.8	0.12 (1)	10.00	D-L	-381 / 0	0.25 (1)
C-D	-3028 / 0	-91.8 -91.8	0.24 (1)	3.78	L-E	-548 / 0	0.14 (1)
D-E	-2422 / 0	-91.8 -91.8	0.52 (1)	3.82	L-F	0 / 1569	0.39 (1)
E-F	-2422 / 0	-91.8 -91.8	0.52 (1)	3.82	J-F	-675 / 0	0.17 (1)
F-G	-1331 / 0	-91.8 -91.8	0.21 (1)	5.35	J-G	0 / 1409	0.35 (1)
G-H	0 / 28	-91.8 -91.8	0.13 (1)	10.00	C-M	0 / 328	0.08 (1)
N-B	-243 / 0	0.0 0.0	0.02 (1)	7.81	N-C	-3062 / 0	0.73 (1)
I-G	-1626 / 0	0.0 0.0	0.14 (1)	7.89			
N-O	0 / 2435	-18.5 -18.5	0.44 (1)	10.00			
O-P	0 / 2435	-18.5 -18.5	0.44 (1)	10.00			
P-M	0 / 2435	-18.5 -18.5	0.44 (1)	10.00			
M-Q	0 / 2725	-18.5 -18.5	0.59 (1)	10.00			
Q-L	0 / 2725	-18.5 -18.5	0.59 (1)	10.00			
L-K	0 / 1170	-18.5 -18.5	0.19 (1)	10.00			
K-J	0 / 1170	-18.5 -18.5	0.19 (1)	10.00			
J-I	0 / 0	-18.5 -18.5	0.04 (4)	10.00			

JOB NAME 417443	TRUSS NAME T42	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:wa2t6usWauAI5BCJTGMC4FzZjxO-gyhBJ90vrsXKZMh2CpmahcRcc5FvplnPXgvlPmzZ63P



LUMBER				N. L. G. A. RULES	
CHORDS	SIZE	LUMBER	DESCR.	SPF	
A - D	2x4	DRY	No.2	SPF	
D - E	2x4	DRY	No.2	SPF	
E - 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 EXCEPT	2x3	DRY	No.2	SPF	

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+P	MT20	3.0	4.0	
C	TMVW+T	MT20	4.0	6.0	
D	TMV-m	MT20	4.0	4.0	
F	TTVW-m	MT20	5.0	6.0	2.25 2.00
E	TMVW+P	MT20	4.0	4.0	1.50 2.00
H	BMVW+T	MT20	3.0	4.0	
I	BS+T	MT20	4.0	6.0	
K	BMVW+T	MT20	4.0	9.0	
L	BMVW+T	MT20	4.0	6.0	

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

MEMB.	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
JT	1167	0	1167	0	5-8	5-8
L	1167	0	1167	0	5-8	5-8
H	1167	0	1167	0	5-8	5-8

UNFACTORED REACTIONS						
1ST LCASE	MAX	MIN	COMPONENT	REACTIONS		
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD
L	823	553.0	0.0	0.0	0.0	270.0
H	823	553.0	0.0	0.0	0.0	270.0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.65 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
FR-TO				FR-TO			
A-B	0/28	-91.8	-91.8 0.12 (1)	10.00	C-K	-192/0	0.08 (1)
B-C	0/18	-91.8	-91.8 0.22 (1)	10.00	K-D	0/106	0.04 (4)
C-D	-1152/0	-91.8	-91.8 0.18 (1)	5.74	K-E	0/245	0.06 (1)
D-E	-1018/0	-91.8	-91.8 0.42 (1)	5.65	E-F	-248/0	0.09 (1)
E-F	-933/0	-91.8	-91.8 0.33 (1)	5.98	L-C	-1441/0	0.55 (1)
F-G	0/28	-91.8	-91.8 0.12 (1)	10.00	F-F	0/902	0.20 (1)
L-B	-268/0	0.0	0.0 0.03 (1)	7.81			
H-F	-1125/0	0.0	0.0 0.15 (1)	7.48			
L-K	0/1171	-18.5	-18.5 0.34 (4)	10.00			
K-J	0/828	-18.5	-18.5 0.32 (4)	10.00			
J-I	0/828	-18.5	-18.5 0.32 (4)	10.00			
I-H	0/0	-18.5	-18.5 0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.8 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 089-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.42/1.00 (D-E:1), BC=0.34/1.00 (K-L:4), WB=0.55/1.00 (C-L:1), SS=0.21/1.00 (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 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

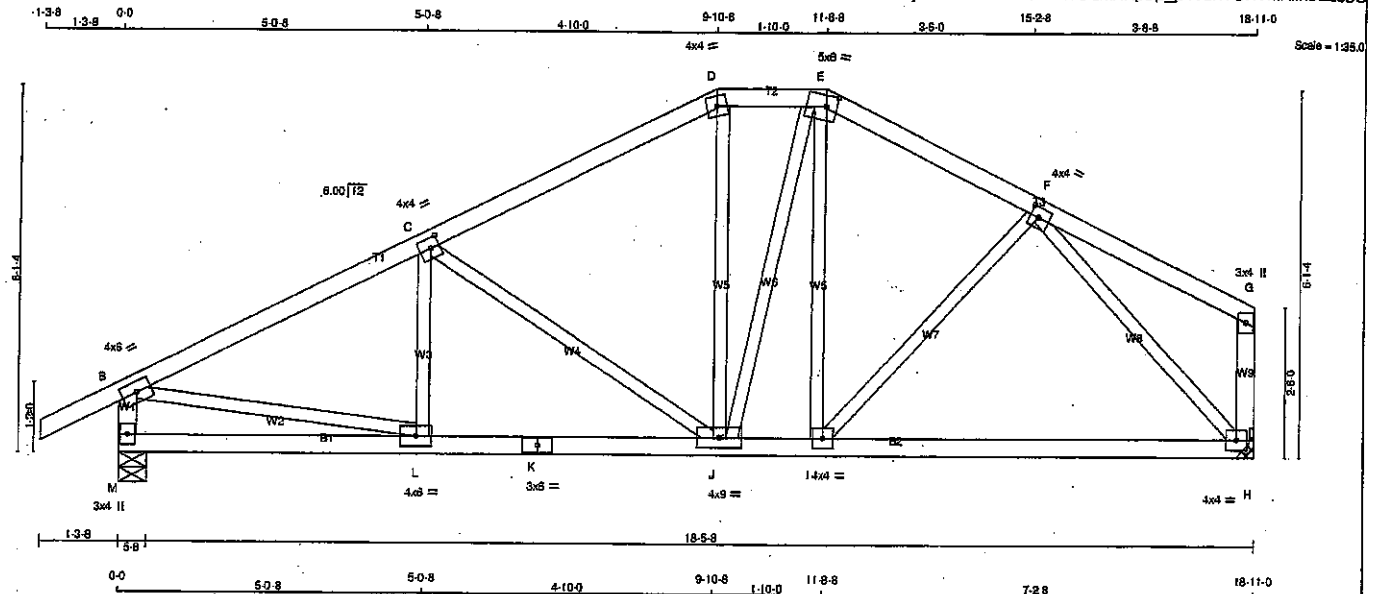
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.84 (F) (INPUT = 0.90)
JSI METAL = 0.30 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108150

JOB NAME 417443	TRUSS NAME T43	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.420 S Jan 21 2021 M/Tek Industries, Inc. Sat Mar 20 08:52:53 2021 Page 1			
		ID:wa2t6usWauA15BCJTGMC4FzZjxO-88FZXV1Xc9f8BWGE mXHpDp_p4VbhYCHYmKfxDzZ63C			
		Scale = 1/25.0			



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	6.0		
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TTWV-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-1	MT20	4.0	4.0	2.00	1.75
G	TMV-p	MT20	3.0	4.0		
H	BMVW-1	MT20	4.0	4.0		
I	BMVW-1	MT20	4.0	4.0		
J	BMVW-1	MT20	4.0	4.0		
K	BS-1	MT20	3.0	6.0		
L	BMVW-1	MT20	4.0	6.0		
M	BMV1-p	MT20	3.0	4.0		

NOTES: (1)

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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

JT	FACTORED		MAXIMUM FACTORED		INPUT BRG	REQD BRG
	GROSS REACTION	GROSS REACTION	DOWN	HORIZ UPLIFT		
M	1167	0	1167	0	5-8	5-8
H	1043	0	1043	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
M	823	553 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
H	737	484 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.24 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MAX.	MEMB.	MAX. FORCE	MAX
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	L-C	-108 / 51	0.02 (1)
B-C	-1352 / 0	-91.8	-91.8 0.31 (1)	5.24	C-J	-466 / 0	0.29 (1)
C-D	-970 / 0	-91.8	-91.8 0.29 (1)	5.56	J-D	0 / 173	0.04 (1)
D-E	-849 / 0	-91.8	-91.8 0.05 (1)	8.25	E-E	-7 / 104	0.02 (1)
E-F	-931 / 0	-91.8	-91.8 0.15 (1)	6.24	F-F	0 / 113	0.04 (4)
F-G	0 / 17	-91.8	-91.8 0.19 (1)	10.00	I-E	0 / 69	0.02 (4)
M-B	-1128 / 0	0.0	0.0 0.11 (1)	7.48	B-L	0 / 1248	0.28 (1)
H-G	-128 / 0	0.0	0.0 0.02 (1)	7.81	F-H	-1159 / 0	0.54 (1)
M-L	0 / 0	-18.5	-18.5 0.11 (4)	10.00			
L-K	0 / 1230	-18.5	-18.5 0.25 (1)	10.00			
K-J	0 / 1230	-18.5	-18.5 0.25 (1)	10.00			
J-I	0 / 819	-18.5	-18.5 0.30 (4)	10.00			
I-H	0 / 776	-18.5	-18.5 0.29 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.9 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/860 (0.63")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.31/1.00 (B-C:1), BC=0.30/1.00 (H-J:4),
WB=0.54/1.00 (F-H:1), SS=0.20/1.00 (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

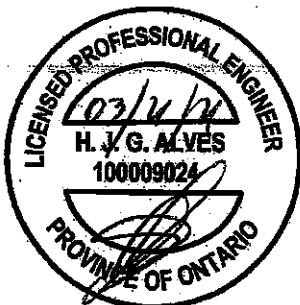
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSD) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT-TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (H) (INPUT = 0.90)
JSI METAL = 0.41 (K) (INPUT = 1.00)

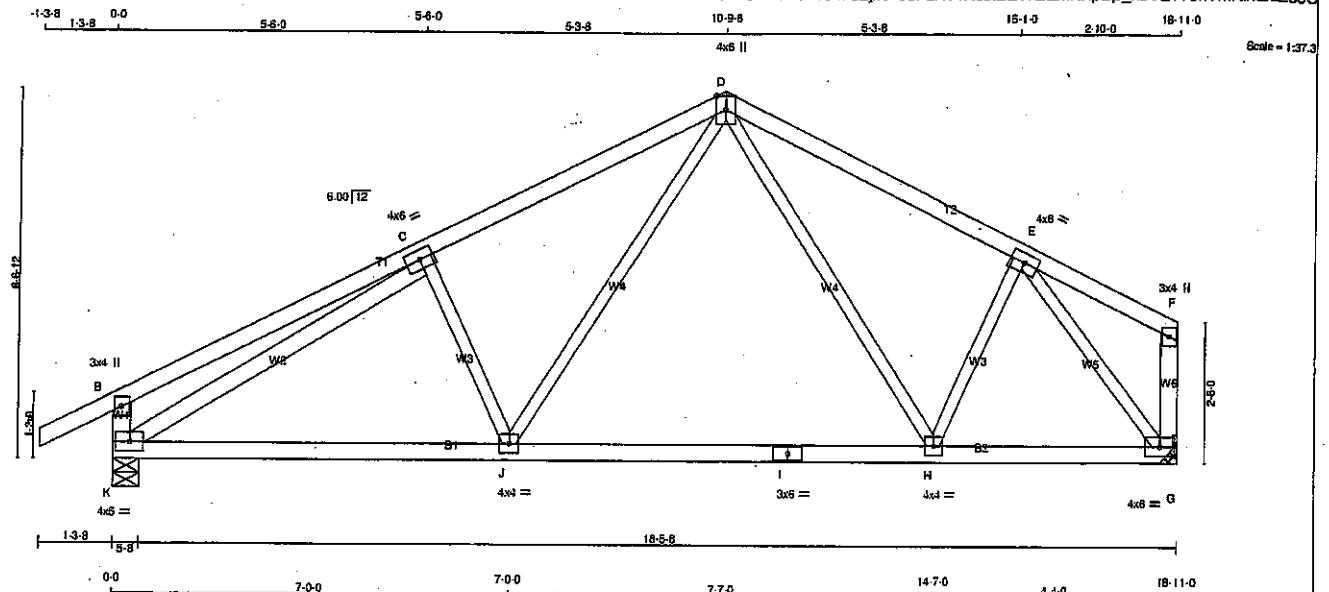


Structural component only
DWG# T-2108151

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	T44	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:wa2t8usWauA5BCJTGMC4FzZjXO-88FZXV1Xc9BBWGE mXHpDp_n3Va4Y9nYmKfxDzZ63C



TOTAL WEIGHT = 2 X 78 = 157 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
K - B	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
K - C	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

NOTES-

1) Lateral braces to be a minimum of 2x4 SPF #2.

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	IN-SX	IN-SX
K	1187	0	1187	0	5-8	5-8
G	1043	0	1043	0	MECHANICAL	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS					
K	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	823	553 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
G	737	484 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO		FROM TO			FR-TO				
A-B	0 / 28	-91.8 -91.8	0.12 (1)	10.00	C-J	-374 / 0	0.10 (1)		
B-C	0 / 26	-91.8 -91.8	0.43 (1)	10.00	J-D	0 / 577	0.13 (1)		
C-D	-1215 / 0	-91.8 -91.8	0.36 (1)	5.38	D-H	0 / 57	0.02 (4)		
D-E	-902 / 0	-91.8 -91.8	0.31 (1)	6.09	H-E	0 / 94	0.03 (4)		
E-F	0 / 38	-91.8 -91.8	0.32 (1)	10.00	K-C	-1480 / 0	0.76 (1)		
K-B	-313 / 0	0.0 0.0	0.03 (1)	7.81	E-G	-1232 / 0	0.39 (1)		
G-F	-43 / 0	0.0 0.0	0.01 (1)	7.81					
K-J	0 / 1219	-18.5 -18.5	0.34 (4)	10.00					
J-I	0 / 764	-18.5 -18.5	0.30 (4)	10.00					
I-H	0 / 764	-18.5 -18.5	0.30 (4)	10.00					
H-G	0 / 755	-18.5 -18.5	0.21 (4)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPI 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.83")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.83")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.43/1.00 (B-C-1), BC=0.34/1.00 (J-K-4), WS=0.78/1.00 (C-K-1), SS=0.21/1.00 (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 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)	(PL)
MAX	MIN	MAX	MIN
650	371	1747	785

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

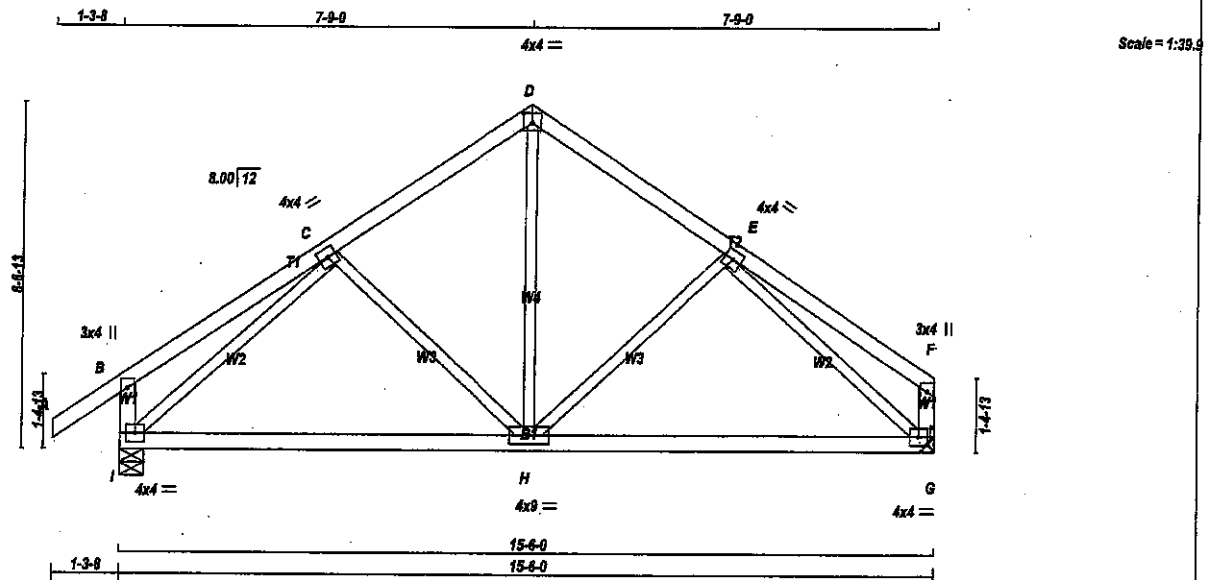
JSI GRIP = 0.83 (C) (INPUT = 0.80)
JSI METAL = 0.34 (I) (INPUT = 1.00)



Structural component only
DWG# T-2108152

JOB NAME 421219	TRUSS NAME T351	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

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ID:GV6EnpZB3IFFw?AU1oPMODzZmnp-Sm6SHh05_9CjGHFvNv8BDzqGimbcuU6kSRQ6p8ykamI



TOTAL WEIGHT = 2 X 64 = 128 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
I - B	2x4	DRY	No.2
G - F	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	TMVW-p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMVW-1	MT20	4.0	4.0		
F	TMVW-p	MT20	3.0	4.0		
G	BMVW-1	MT20	4.0	4.0		
H	BMVW-1	MT20	4.0	9.0		
I	BMVW-1	MT20	4.0	4.0		

NOTES-

- (1) Lateral braces to be a minimum of 2X4 SPF #2.

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	HORIZ	DOWN	HORIZ	UPLIFT
I	980	0	980	0	0
G	854	0	854	0	0

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	COMBINED	487 / 0	0 / 0	0 / 0	0 / 0	224 / 0	0 / 0
G		604 / 0	0 / 0	0 / 0	0 / 0	208 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. MEMB. FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO
A-B	0 / 35	-91.8 -91.8 0.12 (1)	10.00
B-C	0 / 23	-91.8 -91.8 0.22 (1)	10.00
C-D	-685 / 0	-91.8 -91.8 0.17 (1)	6.25
D-E	-685 / 0	-91.8 -91.8 0.17 (1)	6.25
E-F	0 / 23	-91.8 -91.8 0.22 (1)	10.00
F-G	-262 / 0	0.0 0.0 0.03 (1)	7.81
G-H	-136 / 0	0.0 0.0 0.01 (1)	7.81
H-I	0 / 701	-18.5 -18.5 0.37 (4)	10.00
I-G	0 / 701	-18.5 -18.5 0.37 (4)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	DL = 5.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 38.0	PSF

SPACING = 24.0 IN. CC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2015, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.22/1.00 (B-C:1), BC=0.37/1.00 (H-I:4),
WB=0.44/1.00 (C-I:1), SS=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

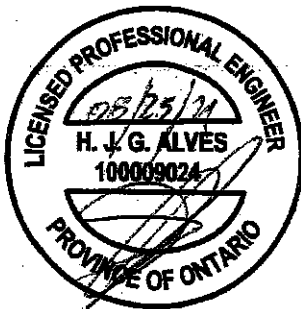
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MIN	MAX	MIN
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL = 0.250 inches

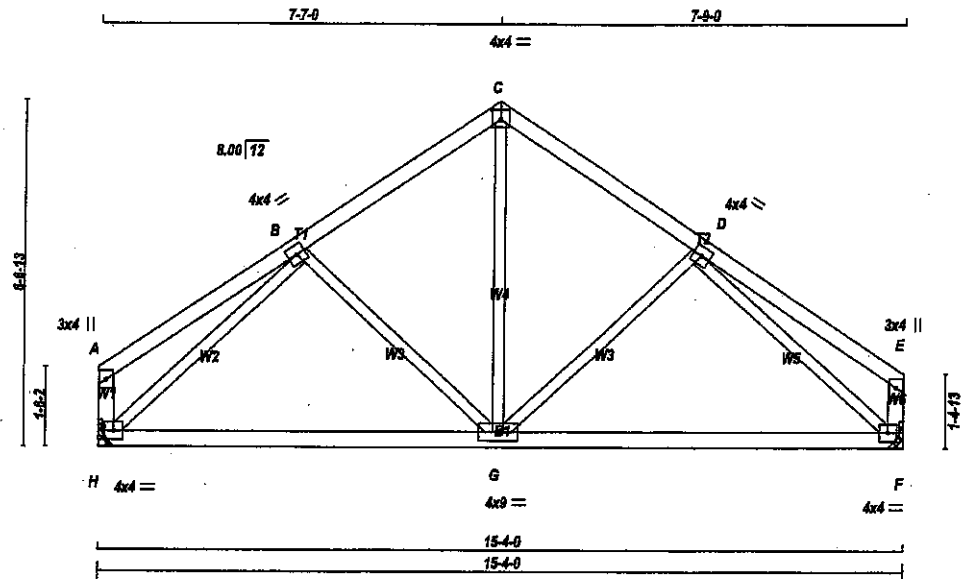
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.77 (G) (INPUT = 0.90)
JSI METAL=0.31 (C) (INPUT = 1.00)



Structural component only
DWG# T-2129741

JOB NAME 421219	TRUSS NAME T351A	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.420 S Jan 21 2021 MITek Industries, Inc. Tue Aug 24 17:32 2021 Page 1 ID:GV6EnpZB3IFFw7AU1oPMODzZmnp-wyfrV11jISKZuPsRLdQIAMRS9xyJxStg58gLYkamh			



Scale = 1:39.5

TOTAL WEIGHT = 82 B.
(M/F)

LUMBER

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-1	MT20	4.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMWW-1	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-1	MT20	4.0	4.0		
G	BMVW1-1	MT20	4.0	4.0		
H	BMVW1-1	MT20	4.0	4.0		

NOTES-

(1) Lateral braces to be a minimum of 2x4 SPF #2.

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
H	845	0	845	0
F	845	0	845	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS
H	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
H	598	392 / 0 0 / 0 0 / 0 0 / 0 205 / 0 0 / 0
F	598	392 / 0 0 / 0 0 / 0 0 / 0 205 / 0 0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)	MEMB. MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO			FR-TO	
A-B	0 / 23	-91.8 -91.8	0.21 (1)	10.00	B-G	-181 / 0 0.09 (1)
B-C	-670 / 0	-91.8 -91.8	0.16 (1)	6.25	G-C	0 / 442 0.10 (1)
C-D	-671 / 0	-91.8 -91.8	0.17 (1)	6.25	G-D	-209 / 0 0.10 (1)
D-E	0 / 23	-91.8 -91.8	0.22 (1)	10.00	H-B	-943 / 0 0.41 (1)
H-A	-129 / 0	0.0 0.0	0.01 (1)	7.81	D-F	-951 / 0 0.44 (1)
F-E	-136 / 0	0.0 0.0	0.01 (1)	7.81		
H-G	0 / 671	-18.5 -18.5	0.36 (4)	10.00		
G-F	0 / 681	-18.5 -18.5	0.37 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2015
- PART 8 OF CBC 2012 (2015 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/880 (0.51")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.22/1.00 (D-E:1), BC=0.37/1.00 (F-G:4),
WB=0.44/1.00 (D-F:1), SS=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (F) (INPUT = 0.90)
JSI METAL= 0.30 (D) (INPUT = 1.00)

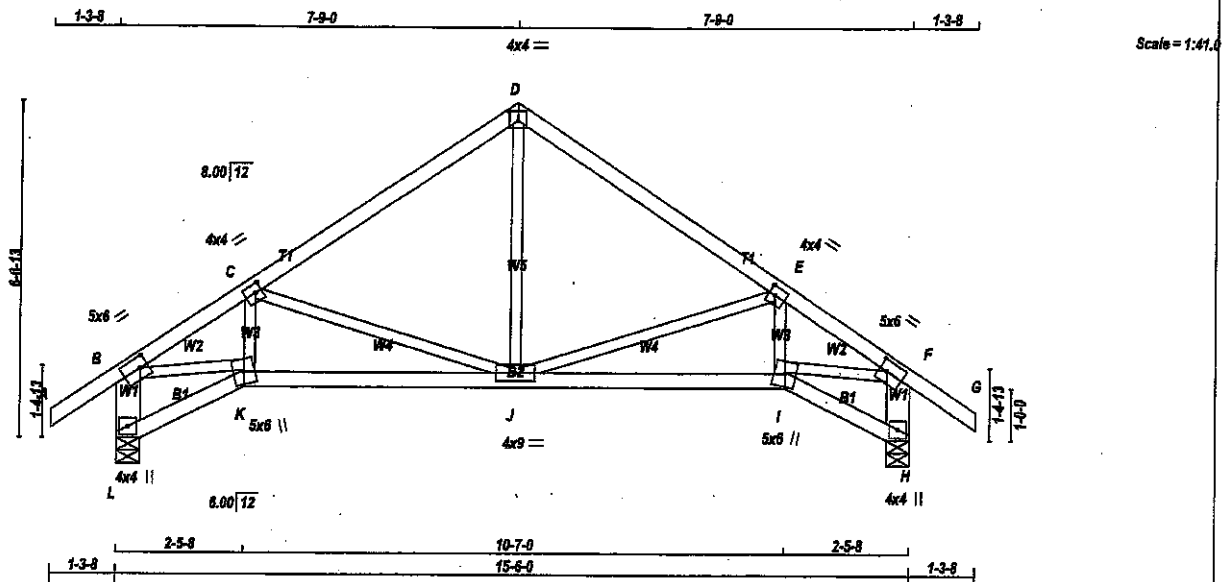


Structural component only
DWG# T-2129742

JOB NAME 421219	TRUSS NAME T351S	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:GV6ErpZB3IFFw?AU1oPMDzZmnp-O9DDIN1LVmSQVZRduKAfOvbuZHj2QH1vldi7ykmG



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
L - B	2x6	DRY	No.2
H - F	2x6	DRY	No.2
L - K	2x4	DRY	No.2
K - I	2x4	DRY	No.2
I - H	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			SPF
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y
B	TMVW-t	MT20	5.0	6.0	2.50
C	TMVW-t	MT20	4.0	4.0	2.00
D	TTW-p	MT20	4.0	4.0	2.25
E	TMVW-t	MT20	4.0	4.0	2.00
F	TMVW-t	MT20	5.0	6.0	2.50
H	BMV1-p	MT20	4.0	4.0	
I	BBWW-m	MT20	5.0	6.0	
J	BMVW-t	MT20	4.0	9.0	
K	BBWW-m	MT20	5.0	6.0	
L	BMV1-p	MT20	4.0	4.0	

NOTES: (1)
1) Lateral braces to be a minimum of 2x4 SPF #2.

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	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX		
L	980	0	980	0	0	5-8	5-8		
H	980	0	980	0	0	5-8	5-8		
UNFACTORED REACTIONS									
JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS							
	COMBINED <td>SNOW<td>LIVE<td>PERM. LIVE<td>WIND<td>DEAD<td>SOIL<td colspan="2"></td></td></td></td></td></td></td>	SNOW <td>LIVE<td>PERM. LIVE<td>WIND<td>DEAD<td>SOIL<td colspan="2"></td></td></td></td></td></td>	LIVE <td>PERM. LIVE<td>WIND<td>DEAD<td>SOIL<td colspan="2"></td></td></td></td></td>	PERM. LIVE <td>WIND<td>DEAD<td>SOIL<td colspan="2"></td></td></td></td>	WIND <td>DEAD<td>SOIL<td colspan="2"></td></td></td>	DEAD <td>SOIL<td colspan="2"></td></td>	SOIL <td colspan="2"></td>		
L	691	467 / 0	0 / 0	0 / 0	0 / 0	224 / 0	0 / 0		
H	691	467 / 0	0 / 0	0 / 0	0 / 0	224 / 0	0 / 0		
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, H									
BRACING									
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.36 FT.									
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.									
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.									
LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (L)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (L)	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (L)
FR-TO		FROM TO			FR-TO				
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	J-D	0 / 461	0.10 (1)	
B-C	-1328 / 0	-91.8	-91.8	0.23 (1)	5.35	J-E	-527 / 0	0.27 (1)	
C-D	-795 / 0	-91.8	-91.8	0.30 (1)	6.25	E-F	0 / 57	0.02 (4)	
D-E	-795 / 0	-91.8	-91.8	0.30 (1)	6.25	C-J	-527 / 0	0.27 (1)	
E-F	-1328 / 0	-91.8	-91.8	0.23 (1)	5.35	K-C	0 / 57	0.02 (4)	
F-G	0 / 35	-91.8	-91.8	0.12 (1)	10.00	B-K	0 / 1143	0.26 (1)	
L-B	-958 / 0	0.0	0.0	0.07 (1)	7.81	F-F	0 / 1143	0.26 (1)	
H-F	-958 / 0	0.0	0.0	0.07 (1)	7.81				
L-K	0 / 0	-18.5	-18.5	0.03 (4)	10.00				
K-J	0 / 1141	-18.5	-18.5	0.27 (1)	10.00				
J-I	0 / 1141	-18.5	-18.5	0.27 (1)	10.00				
I-H	0 / 0	-18.5	-18.5	0.03 (4)	10.00				

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 25.6 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF
SPACING = 24.0 IN. C/C	
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2015	
THIS DESIGN COMPLIES WITH:	
- PART 9 OF CBC 2015, ABC 2019	
- PART 9 OF CBC 2012 (2019 AMENDMENT)	
- CSA 088-14	
- TPC 2014	
(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD	
ALLOWABLE DEFL.(LL) = L/980 (0.52")	
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")	
ALLOWABLE DEFL.(TL) = L/980 (0.52")	
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")	
CSI: TC=0.30/1.00 (D-E:1), BC=0.27/1.00 (I-J:1), WB=0.27/1.00 (E-J: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	
AUTOSOLVE HEELS OFF	
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.	
NAIL VALUES	
PLATE GRIP(DRY)	SHEAR SECTION
(PS)	(PL)
MAX MIN	MAX MIN
MT20	650 371 1747 788 1987 1873
PLATE PLACEMENT TOL = 0.250 inches	
PLATE ROTATION TOL = 5.0 Deg.	
JSI GRIP = 0.74 (B) (INPUT = 0.90)	
JSI METAL = 0.54 (I) (INPUT = 1.00)	

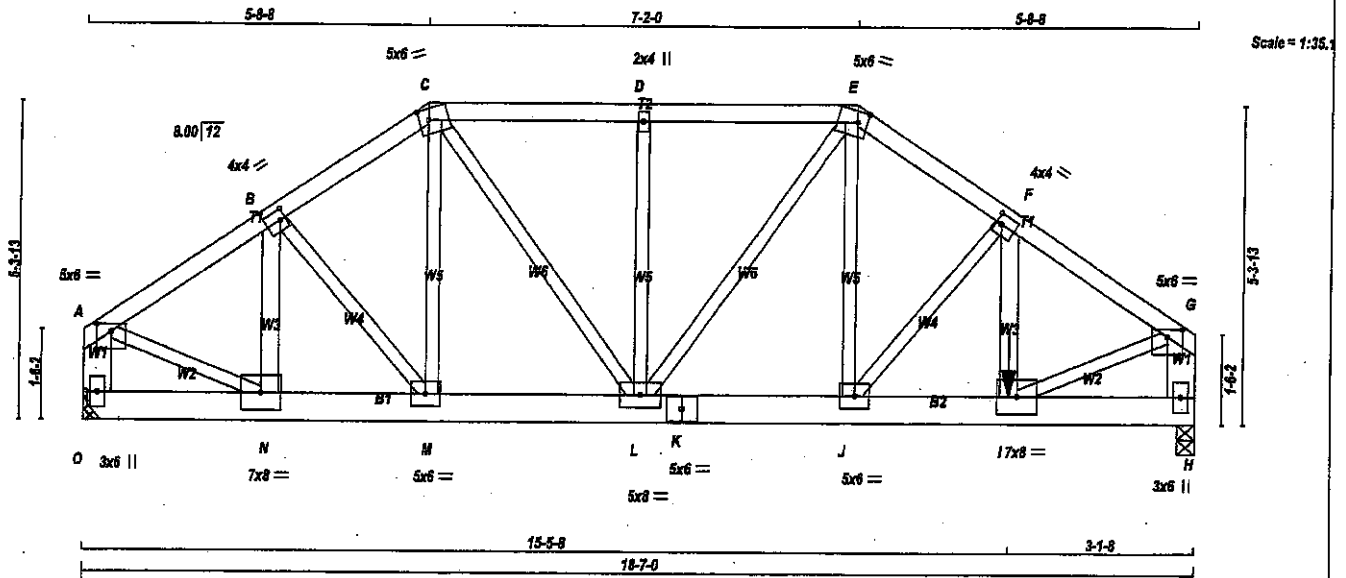


Structural component only
DWG# T-2129743

JOB NAME 421219	TRUSS NAME T352	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 99 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
O - A	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
K - H	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	1.50	3.00
B	TMVW-t	MT20	4.0	4.0	2.00	1.00
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-t	MT20	4.0	4.0	2.00	1.00
G	TMVW-p	MT20	5.0	6.0	1.50	3.00
H	BMV1-p	MT20	3.0	6.0		
I	BMVW-t	MT20	7.0	8.0		
J	BMVW-t	MT20	5.0	6.0		
K	BS-t	MT20	5.0	6.0		
L	BMVW-t	MT20	5.0	8.0		
M	BMVW-t	MT20	5.0	6.0		
N	BMVW-t	MT20	7.0	8.0		
O	BMV1-p	MT20	3.0	6.0		

NOTES

1) Lateral braces to be a minimum of 2X4 SPF #2.

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	HORIZ	DOWN	HORIZ
O	1248	0	1248	0
H	2120	0	2120	0

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

UNFACTORED REACTIONS

	1ST LOASE COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	880	581 / 0	0 / 0	0 / 0	0 / 0	299 / 0	0 / 0
O	1496	999 / 0	0 / 0	0 / 0	0 / 0	497 / 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 = 4.35 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	-1266 / 0	-91.8 -91.8	0.15 (1)	N-B	-360 / 0	0.08 (1)	
B-C	-1324 / 0	-91.8 -91.8	0.15 (1)	B-M	0 / 28	0.01 (1)	
C-D	-1404 / 0	-91.8 -91.8	0.23 (1)	M-C	0 / 71	0.02 (4)	
D-E	-1404 / 0	-91.8 -91.8	0.23 (1)	C-L	0 / 542	0.13 (1)	
E-F	-1692 / 0	-91.8 -91.8	0.18 (1)	L-D	-391 / 0	0.16 (1)	
F-G	-2251 / 0	-91.8 -91.8	0.20 (1)	L-E	-7 / 0	0.00 (1)	
O-A	-1205 / 0	0.0 0.0	0.09 (1)	J-E	0 / 715	0.18 (1)	
H-G	-2045 / 0	0.0 0.0	0.15 (1)	J-F	-759 / 0	0.22 (1)	
				I-F	0 / 593	0.10 (1)	
O-N	0 / 0	-18.5 -18.5	0.03 (1)	A-N	0 / 1130	0.28 (1)	
N-M	0 / 1085	-18.5 -18.5	0.17 (1)	I-G	0 / 1997	0.49 (1)	
M-L	0 / 1085	-18.5 -18.5	0.16 (1)				
L-K	0 / 1408	-18.5 -18.5	0.21 (1)				
K-J	0 / 1408	-18.5 -18.5	0.21 (1)				
J-I	0 / 1882	-18.5 -18.5	0.35 (1)				
I-H	0 / 0	-18.5 -18.5	0.11 (1)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	15'-5"		-928		BACK	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	DL = 8.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.23/1.00 (D-E-1), BC=0.35/1.00 (J-1), WB=0.49/1.00 (G-t-1), SS=0.17/1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (A) (INPUT = 0.90)
JSI METAL= 0.41 (G) (INPUT = 1.00)



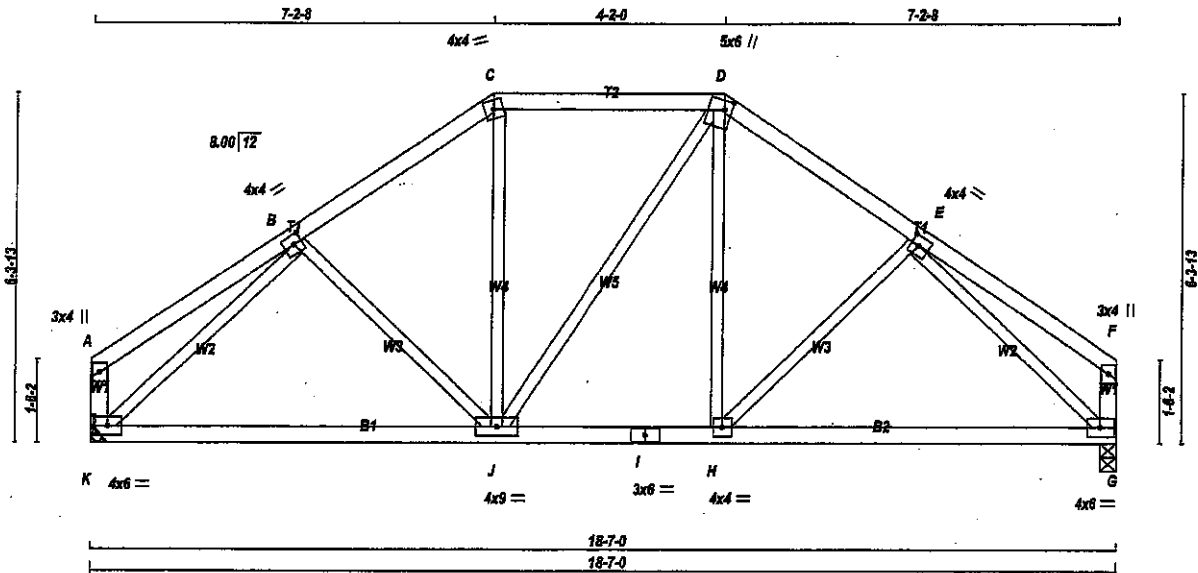
Structural component only
DWG# T-2129744

JOB NAME 421219	TRUSS NAME T353	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 79 lb

LUMBER

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

DRY: SEASONED LUMBER

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	4.0	2.00	1.75
C	TTW-m	MT20	4.0	4.0		
D	TTWV-m	MT20	5.0	6.0	2.00	1.50
E	TMVW-t	MT20	4.0	4.0	2.00	1.75
F	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	BMVWV-t	MT20	4.0	9.0		
K	BMVW-t	MT20	4.0	6.0		

NOTES (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
K	1024	0	0	MECHANICAL
G	1024	0	0	3-8

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

UNFACTORED REACTIONS

1ST LCASE	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	724	475 / 0	0 / 0	0 / 0	0 / 0	249 / 0	0 / 0
G	724	475 / 0	0 / 0	0 / 0	0 / 0	249 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 21	-91.8	-91.8	0.18 (1)	10.00	B-J	-110 / 11
B-C	-838 / 0	-91.8	-91.8	0.15 (1)	6.23	J-C	0 / 191
C-D	-765 / 0	-91.8	-91.8	0.21 (1)	6.25	J-D	0 / 0
D-E	-937 / 0	-91.8	-91.8	0.15 (1)	6.23	H-D	0 / 180
E-F	0 / 21	-91.8	-91.8	0.18 (1)	10.00	H-E	-110 / 11
K-A	-128 / 0	0.0	0.0	0.01 (1)	7.81	K-B	-1188 / 0
G-F	-128 / 0	0.0	0.0	0.01 (1)	7.81	E-G	-1187 / 0
K-J	0 / 841	-18.5	-18.5	0.27 (4)	10.00		
J-I	0 / 765	-18.5	-18.5	0.25 (4)	10.00		
I-H	0 / 765	-18.5	-18.5	0.25 (4)	10.00		
H-G	0 / 840	-18.5	-18.5	0.27 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/899 (0.11")

CSI: TC=0.21/1.00 (C-D:1), BC=0.27/1.00 (G-H:4), WB=0.48/1.00 (B-K: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) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.87 (B) (INPUT = 0.90)
JSI METAL = 0.39 (B) (INPUT = 1.00)

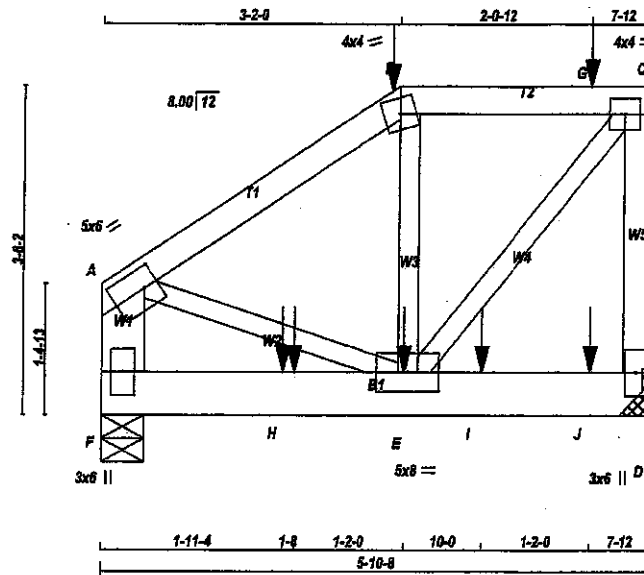


Structural component only
DWG# T-2129745

JOB NAME 421219	TRUSS NAME T354	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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Scale = 1:22.5

TOTAL WEIGHT = 2 X 30 = 61 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4 DRY	No.2	SPF		
B - C	2x4 DRY	No.2	SPF		
C - D	2x4 DRY	No.2	SPF		
F - A	2x6 DRY	No.2	SPF		
F - D	2x6 DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - B 1 12	SIDE(61.0)	
B - C 1 12	SIDE(61.0)	
C - D 1 12	TOP	
F - A 2 12	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D 2 12	SIDE(0.0)	
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMVW-t	MT20	5.0	6.0	2.50	1.75

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
D	1338	0	1336	0
F	1229	0	1229	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4-0.

UNFACTORED REACTIONS

ONE ACTIONED REACTIONS							
1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	943	630 / 0	0 / 0	0 / 0	0 / 0	313 / 0	0 / 0
F	867	578 / 0	0 / 0	0 / 0	0 / 0	290 / 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.

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	-1011 / 0	-91.8 -91.8 0.09 (1)	E-B	0 / 124
B-G	-843 / 0	-91.8 -91.8 0.08 (1)	E-C	0 / 1320
G-C	-843 / 0	-91.8 -91.8 0.08 (1)	A-E	0 / 877
D-C	-1189 / 0	0.0 0.0 0.11 (1)		
F-A	-954 / 0	0.0 0.0 0.03 (1)		
F-H	0 / 0	-18.5 -18.5 0.18 (1)		
H-E	0 / 0	-18.5 -18.5 0.18 (1)		
E-I	0 / 0	-18.5 -18.5 0.13 (1)		
I-J	0 / 0	-18.5 -18.5 0.13 (1)		
J-D	0 / 0	-18.5 -18.5 0.13 (1)		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	3-2-0	-103	-103		BACK	VERT	TOTAL		C1
E	3-2-12	-9	-9		BACK	VERT	TOTAL		C1
G	5-2-12	-48	-48		BACK	VERT	TOTAL		C1
H	1-11-4	-9	-9		BACK	VERT	TOTAL		C1
H	2-0-12	-589	-589		FRONT	VERT	TOTAL		C1
I	4-0-12	-583	-583		FRONT	VERT	TOTAL		C1
J	5-2-12	-11	-11		BACK	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. O.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.01")

CSI: TC=0.11/1.00 (C-D:1), BC=0.18/1.00 (E-F:1), WB=0.16/1.00 (C-E:1), SS=0.25/1.00 (D-E: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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (C) (INPUT = 0.90)
JSI METAL = 0.18 (C) (INPUT = 1.00)



Structural component only
DWG# T-2129746 1/1

CONTINUED ON PAGE 2

JOB NAME 421219	TRUSS NAME T354	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

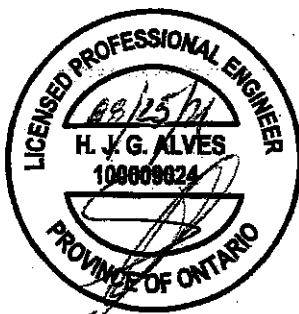
Version 6.420 S Jan 21 2021 MITek Industries, Inc. Tue Aug 24 17:17:35 2021 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TTW-m	MT20	4.0	4.0		
C	TMVW-i	MT20	4.0	4.0		
D	BMV1+p	MT20	3.0	6.0		
E	BMVWW-i	MT20	5.0	8.0		
F	BMV1+p	MT20	3.0	6.0		

NOTES- (1)

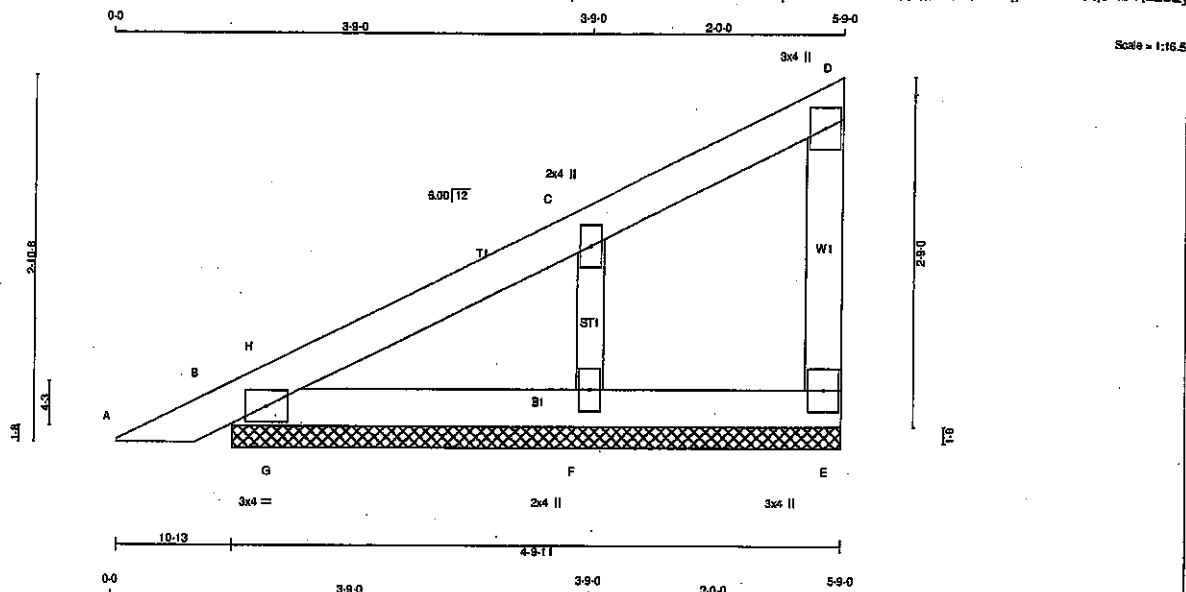
1) Lateral braces to be a minimum of 2X4 SPF #2.



Structural component only
DWG# T-2129746 *2/2*

JOB NAME 417422	TRUSS NAME PB1G	QUANTITY 4	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 4 X 16 = 65 lb

<u>LUMBER</u>			
N. L. G. A. RULES			
CHORDS	SIZE		LUMBER
A - D	2x4	DRY	No.2
E - D	2x4	DRY	No.2
B - E	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.

<u>PLATES (table is in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMW+w	MT20	2.0	4.0		
D	TMV+p	MT20	3.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMV1+w	MT20	2.0	4.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 10	-91.8 -91.8	0.05 (1)	10.00	F-C	-252 / 0	0.04 (1)
B-H	-19 / 0	-91.8 -91.8	0.01 (4)	8.25	G-H	-87 / 3	0.00 (1)
H-C	0 / 1	-91.8 -91.8	0.08 (1)	10.00			
C-D	-13 / 0	-91.8 -91.8	0.08 (1)	6.25			
E-D	-66 / 0	0.0 0.0	0.01 (1)	7.81			
B-G	0 / 12	-18.5 -18.5	0.05 (1)	10.00			
G-F	0 / 12	-18.5 -18.5	0.05 (1)	10.00			
F-E	0 / 0	-18.5 -18.5	0.03 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2018
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.08/1.00 (C-D:1), BC=0.05/1.00 (B-G:1), WB=0.04/1.00 (C-F:1), SS=0.09/1.00 (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 650 371 1747 788 1967 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (B) (INPUT = 0.90)
JSI METAL= 0.10 (C) (INPUT = 1.00)



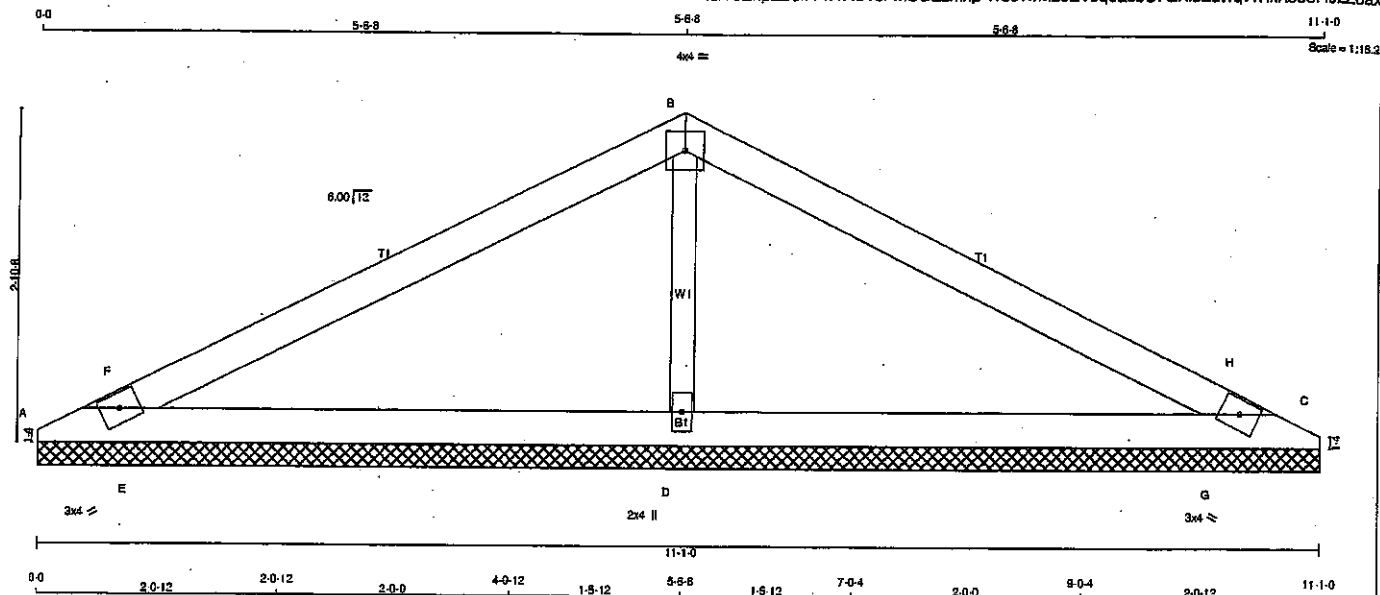
Structural component only
DWG# T-2108084

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	PB2	19	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW-p	MT20	4.0	4.0		
C	TBM1-h	MT20	3.0	4.0		
D	BMW1-w	MT20	2.0	4.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
A	73	0	0	11-1-0
C	73	0	0	11-1-0
D	1078	0	0	11-1-0

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
A	52	33/0	0/0	0/0	0/0	19/0	0/0
C	52	33/0	0/0	0/0	0/0	19/0	0/0
D	761	501/0	0/0	0/0	0/0	280/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (I.C)	MAX. FACTORED CSI (I.C)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (I.C)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-F	0.505	-91.8	-91.8	0.18 (1)	10.00	D-B	-832.0
F-B	0.478	-91.8	-91.8	0.37 (1)	10.00	E-F	-322.0
B-H	0.478	-91.8	-91.8	0.37 (1)	10.00	G-H	-322.0
H-C	0.505	-91.8	-91.8	0.18 (1)	10.00		
A-E	-476.0	-18.5	-18.5	0.26 (1)	6.25		
E-D	-433.0	-18.5	-18.5	0.27 (1)	6.25		
D-G	-433.0	-18.5	-18.5	0.27 (1)	6.25		
G-C	-476.0	-18.5	-18.5	0.26 (1)	6.25		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
	LL = 6.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN. C.C.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2015, ABC 2015
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSL: TC=0.37/1.00 (B-F:1), BC=0.27/1.00 (D-E:1), WB=0.14/1.00 (B-D:1), SSI=0.18/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

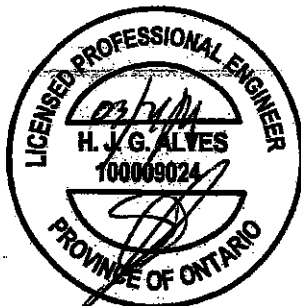
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.44 (B) (INPUT = 0.90)
JSI METAL= 0.24 (B) (INPUT = 1.00)

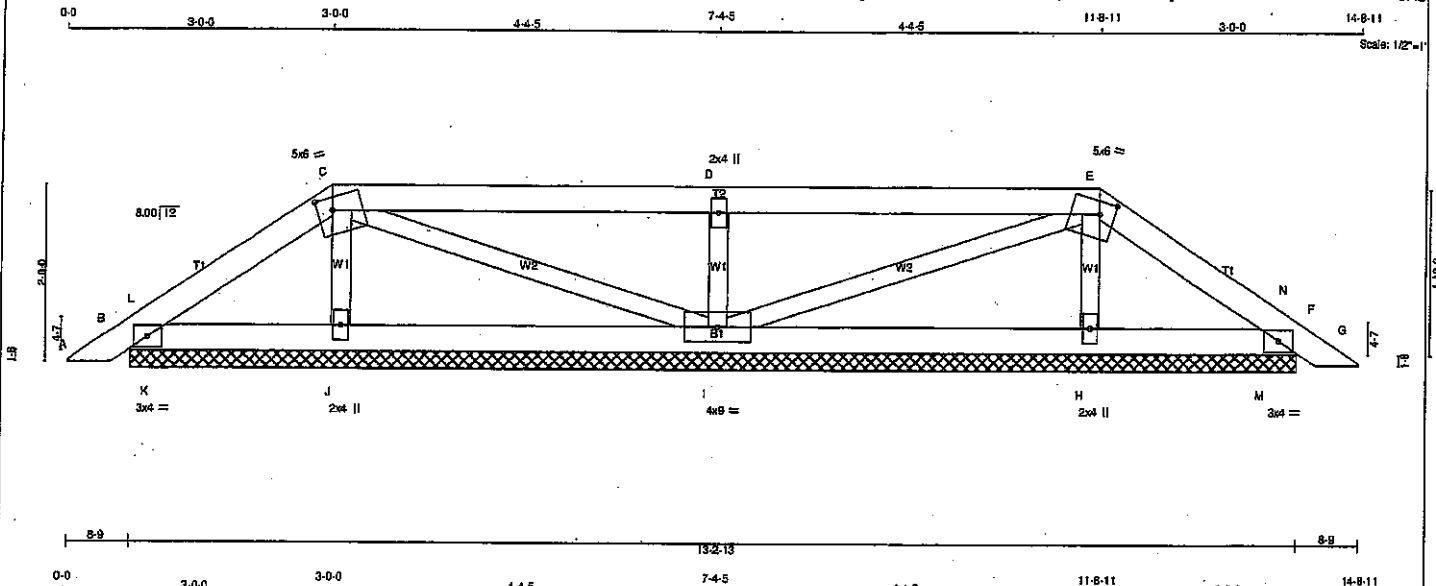


Structural component only
DWG# T-2108085

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	PB11	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 43 = 130 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
E - G	2x4	DRY	No.2	SPF	
G - I	2x4	DRY	No.2	SPF	
I - K	2x4	DRY	No.2	SPF	
K - M	2x4	DRY	No.2	SPF	
M - O	2x4	DRY	No.2	SPF	
O - Q	2x4	DRY	No.2	SPF	
Q - S	2x4	DRY	No.2	SPF	
S - U	2x4	DRY	No.2	SPF	
U - W	2x4	DRY	No.2	SPF	
W - Y	2x4	DRY	No.2	SPF	
Y - Z	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
DRY: SEASONED LUMBER.					

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTWW-m	MT20	5.0	6.0	1.75	2.00
D	TTWW-m	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	1.75	2.00
F	TMB1-I	MT20	3.0	4.0		
H	BMW1-w	MT20	2.0	4.0		
I	BMW1-w	MT20	4.0	9.0		
J	BMW1-w	MT20	2.0	4.0		

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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	203	0	203	0	13-2-13	13-2-13
F	203	0	203	0	13-2-13	13-2-13
J	288	0	288	0	13-2-13	13-2-13
I	595	0	595	0	13-2-13	13-2-13
H	288	0	288	0	13-2-13	13-2-13

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN. COMPONENT REACTIONS					
		1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD
B	141	106.0	0.0	0.0	0.0	35.0	0.0
F	141	106.0	0.0	0.0	0.0	35.0	0.0
J	206	123.0	0.0	0.0	0.0	83.0	0.0
I	419	285.0	0.0	0.0	0.0	134.0	0.0
H	206	123.0	0.0	0.0	0.0	83.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX. CSI (LC)	
FR-TO		FROM TO				FR-TO			
A-B	0.15	-91.8	-91.8	0.03 (1)	10.00	J-C	-197.0	0.03 (1)	
B-L	-37.0	-91.8	-91.8	0.01 (1)	8.25	C-I	-26.0	0.01 (1)	
L-C	-56.0	-91.8	-91.8	0.05 (1)	8.25	I-D	-500.0	0.07 (1)	
C-D	-7.0	-91.8	-91.8	0.30 (1)	10.00	D-E	-26.0	0.01 (1)	
D-E	-7.0	-91.8	-91.8	0.30 (1)	10.00	E-H	-197.0	0.03 (1)	
E-N	-56.0	-91.8	-91.8	0.05 (1)	8.25	K-L	-134.0	0.00 (1)	
N-F	-37.0	-91.8	-91.8	0.01 (1)	8.25	M-N	-134.0	0.00 (1)	
F-G	0.15	-91.8	-91.8	0.03 (1)	10.00				
B-K	0.44	-18.5	-18.5	0.06 (1)	10.00				
K-J	0.44	-18.5	-18.5	0.06 (1)	10.00				
J-I	0.31	-18.5	-18.5	0.07 (4)	10.00				
I-H	0.31	-18.5	-18.5	0.07 (4)	10.00				
H-M	0.44	-18.5	-18.5	0.06 (1)	10.00				
M-F	0.44	-18.5	-18.5	0.06 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2015
- PART 9 OF CBC 2012 (2015 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.30/1.00 (C-D:1), BC=0.07/1.00 (H-J:4), WB=0.07/1.00 (D-I:1), SS=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

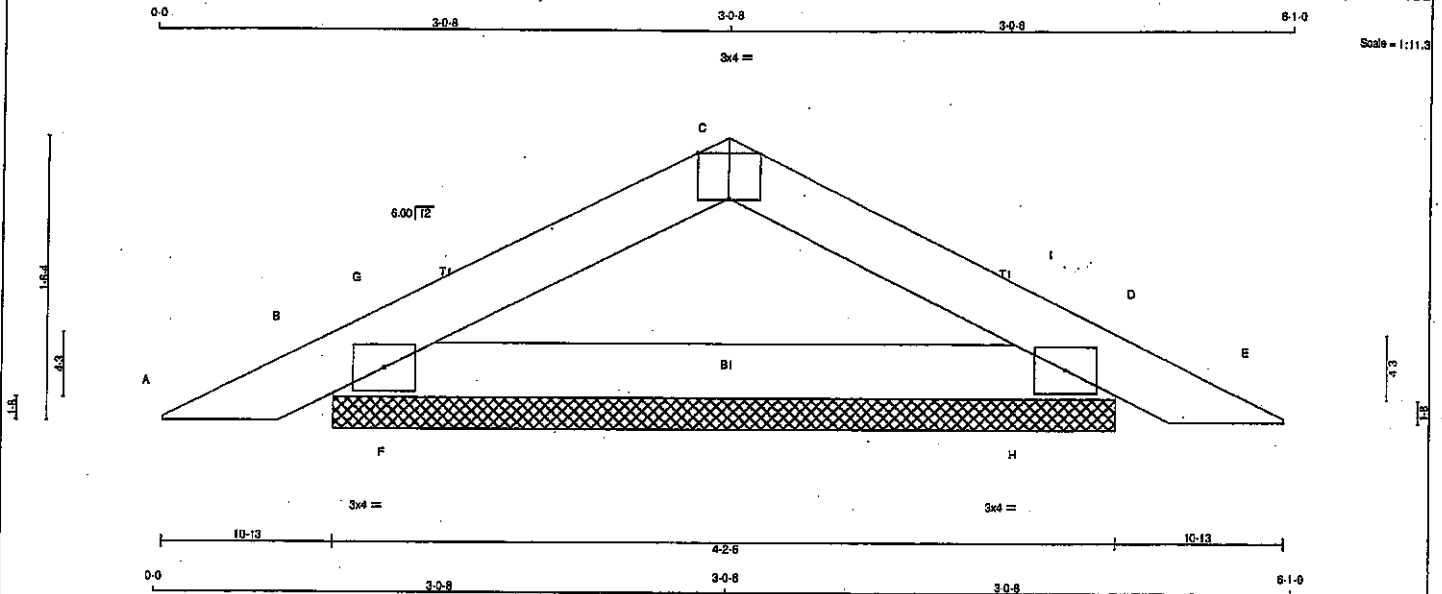
JSI GRIP = 0.25 (D) (INPUT = 0.50)
JSI METAL = 0.10 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108107

JOB NAME 417443	TRUSS NAME PB31	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:wa2t6usWauAIEBCJTGM4FzZpO-c3HWA1qVNFESG329qA?3aRK7p2BSo5iC4qn?N8Z63e



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-4	MT20	3.0	4.0	
C	TT-p	MT20	3.0	4.0	Edge 2.00
D	TMB1-4	MT20	3.0	4.0	

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

NOTES- (1)
1) Lateral braces to be a minimum of 2x4 SPF #2.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	BRG
B	309	0	0	309	0	0	0	4-2-6	4-2-6
D	309	0	0	309	0	0	0	4-2-6	4-2-6

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	PERM. LIVE	WIND	DEAD	SOIL
B	217	151.0	0.0	0.0	0.0	66.0	0.0	0.0	0.0	66.0	0.0
D	217	151.0	0.0	0.0	0.0	66.0	0.0	0.0	0.0	66.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		W E B S		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CSF (LC)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)	MEMB.	FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)
FR-TO		FROM	TO	LENGTH	FR-TO				
A-B	0 / 16	-91.8	-91.8	0.05 (1)	10.00	F-G	0 / 58	0.00 (1)	
B-G	-264 / 0	-91.8	-91.8	0.05 (4)	6.25	H-I	0 / 58	0.00 (1)	
G-C	-207 / 0	-91.8	-91.8	0.07 (1)	6.25				
C-I	-207 / 0	-91.8	-91.8	0.07 (1)	6.25				
I-D	-264 / 0	-91.8	-91.8	0.05 (4)	6.25				
D-E	0 / 16	-91.8	-91.8	0.05 (1)	10.00				
B-F	0 / 193	-18.5	-18.5	0.04 (1)	10.00				
F-H	0 / 193	-18.5	-18.5	0.08 (1)	10.00				
H-D	0 / 193	-18.5	-18.5	0.04 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TFC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.071.00 (C-I), BC=0.081.00 (F-H), WB=0.001.00 (F-G), SS=0.071.00 (C-I)

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
MT20	650	371	788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.22 (D) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

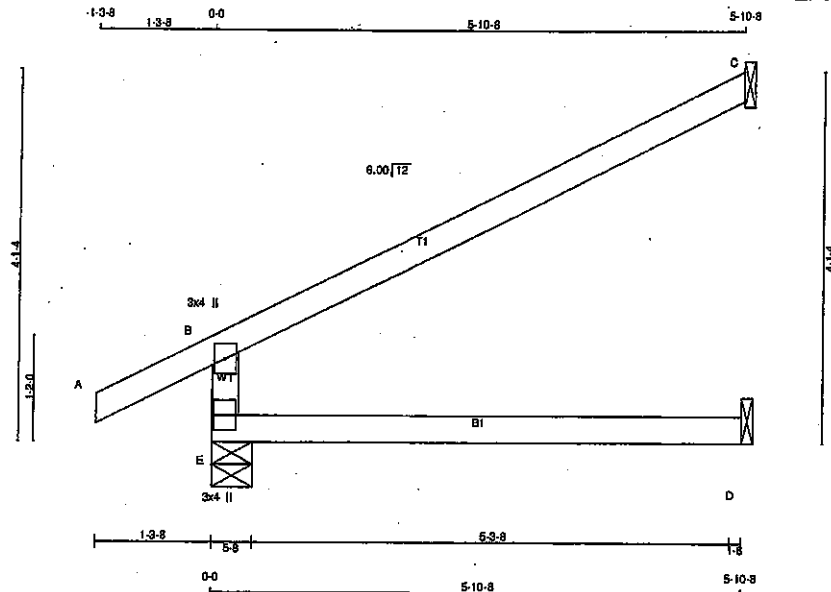


Structural component only
DWG# T-2108134

JOB NAME 417422	TRUSS NAME J1	QUANTITY 24	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 24 X 17 = 408 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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	HORIZ	DOWN	HORIZ UPLIFT		
E	525	0	525	0	5-8	5-8
C	202	0	202	0	1-8	1-8
D	45	0	50	0	1-8	1-8

SEE MITEK STANDARD DETAIL B9779:1H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM LIVE		
E	369	257.0	0.0	0.0	0.0	111.0
C	139	113.0	0.0	0.0	0.0	26.0
D	36	0.0	0.0	0.0	0.0	36.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. FACTORED	MEMB.	WEBS		MAX. FACTORED
	FORCE (LBS)	VERT. LOAD (PLF)	VERT. LOAD (PLF)	CSI (LC)			FORCE (LBS)	CSI (LC)	
FR-TO									
E-B	-461.0	0.0	0.0	0.13 (4)	7.81				
A-B	0.728	-91.8	-91.8	0.12 (1)	10.00				
B-C	-30.0	-91.8	-91.8	0.54 (1)	6.25				
E-D	0.0	-18.5	-18.5	0.13 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN.CC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2015, ABC 2015
- PART 9 OF CBC 2012 (2015 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SS=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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 789

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

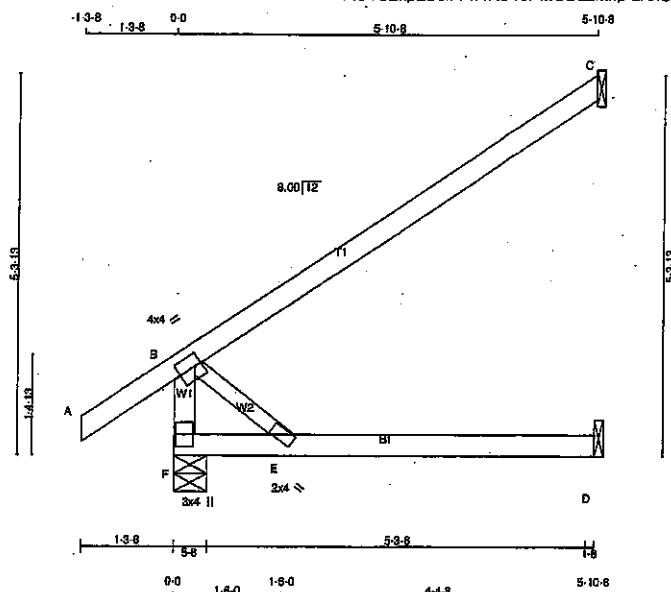
JSI GRIP = 0.18 (E) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108080

JOB NAME 417422	TRUSS NAME J2	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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TOTAL WEIGHT = 2 X 19 = 38 lb

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

DESCR.	SPF
SPF	
SPF	
SPF	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD. BRG
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
F	450	0	450	0	5-8	5-8
C	270	0	270	0	1-8	1-8
D	54	0	61	0	1-8	1-8

SEE MITEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	COMBINED	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
		SNOW	LIVE	PERM	LIVE			
F	316	221.0	0.0	0.0	0.0	0.0	95.0	0.0
C	186	150.0	0.0	0.0	0.0	0.0	35.0	0.0
D	43	0.0	0.0	0.0	0.0	0.0	43.0	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 = 10.00 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		W E B S		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	LC1	MAX. (LBS)	MAX. UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	MAX. (LBS)
FR-TO						FR-TO		
F-B	-395.0	0.0	0.0	0.04 (1)	7.81	B-E	0.0	0.00 (1)
A-B	0.35	-91.8	-91.8	0.12 (1)	10.00			
B-C	0.0	-91.8	-91.8	0.54 (1)	10.00			
F-E	0.0	-18.5	-18.5	0.14 (4)	10.00			
E-D	0.0	-18.5	-18.5	0.19 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.8 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)	= L/360 (0.20")
CALCULATED VERT. DEFL.(LL)	= L/999 (0.00")
ALLOWABLE DEFL.(TL)	= L/360 (0.20")
CALCULATED VERT. DEFL.(TL)	= L/999 (0.05")

CSI: TC=0.54/1.00 (B-C:1), 6C=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

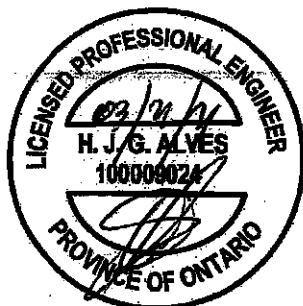
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)

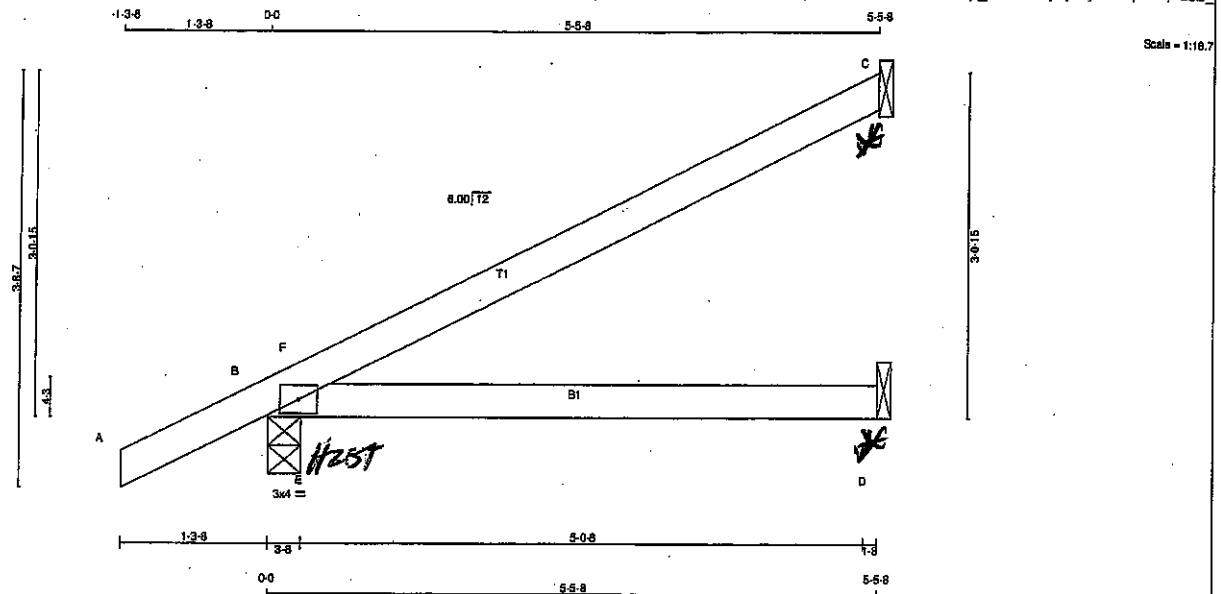


Structural component only
DWG# T-2108081

JOB NAME 417422	TRUSS NAME J3	QUANTITY 11	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 11 X 15 = 165 lb

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

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMB1-1 MT20 3.0 4.0

NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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 UPLIFT		
C	219	0	225	0	1-8	1-8
B	425	0	425	207	3-8	3-8
D	82	0	82	0	1-8	1-8

SEE MITEK STANDARD DETAIL, B97791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 172 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT B FOR 247 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

PROVIDE FOR 207 LBS FACTORED HORIZONTAL REACTION AT JOINT B

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	152	118/0	0/0	0/0	14/-144	33/0	0/0
B	239	209/0	0/0	0/0	0/-234	89/0	0/0
D	61	21/0	0/0	0/0	0/-106	40/0	0/0

HORIZONTAL REACTIONS		WIND	DEAD	SOIL
B	0/0			

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (12)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED			MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)		
		VERT. LOAD	LC1	MAX			UNBRAC		
FR-TO		(PLF)	CSI (LC)		FR-TO		LENGTH		
A-B	0 / 27	-91.8	-91.8	0.12 (1)	E-F	-514 / 213	10.00	0.00 (1)	
B-F	-200 / 130	-91.8	-91.8	0.13 (3)			6.25		
F-C	-89 / 4	-91.8	-91.8	0.36 (1)			6.25		
B-E	0 / 0	-18.5	-18.5	0.24 (1)			10.00		
E-D	0 / 0	-18.5	-18.5	0.25 (1)			10.00		

WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF (9.6) PSF AT (20-0-0) FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, C_{pe}, BASED ON THE (MAIN WIND FORCE RESISTING SYSTEM). INTERNAL WIND PRESSURE IS BASED ON DESIGN (CATEGORY 2). BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE. TRUSS UPLIFT IS BASED ON TOP AND BOTTOM CHORD DEAD LOADS OF 6.0 PSF AND 7.4 PSF RESPECTIVELY.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 38.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/727 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/615 (0.11")

CS1: TC=0.36/1.00 (C-F:1), BC=0.25/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS1=0.34/1.00 (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 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.34 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

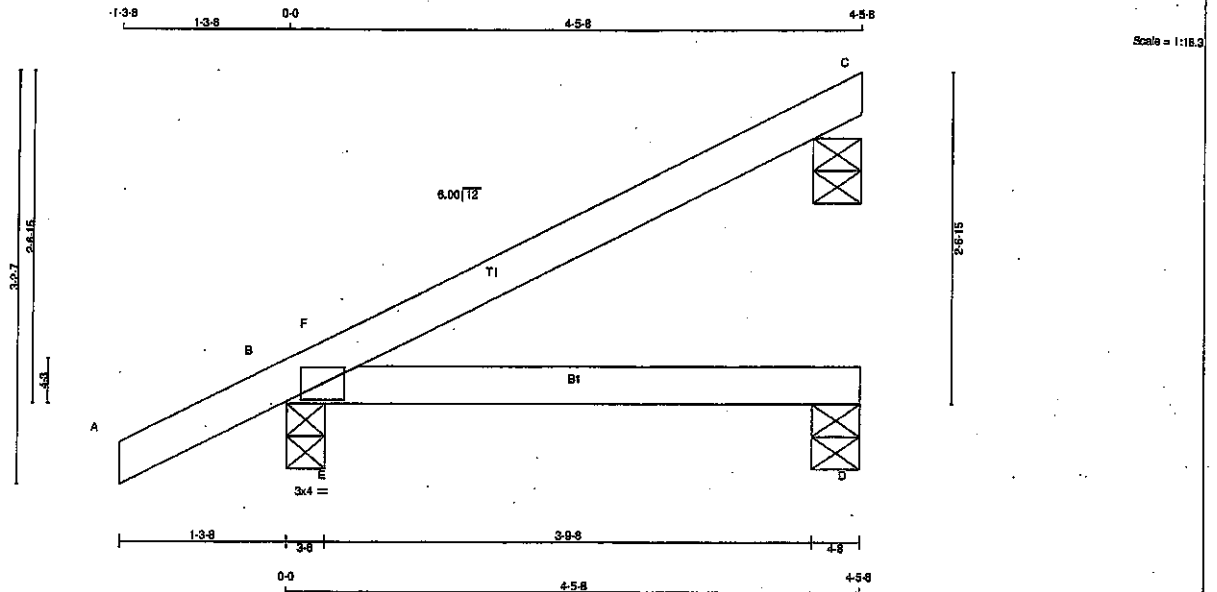


Structural component only
DWG# T-2108082

JOB NAME 417422	TRUSS NAME J4	QUANTITY 6	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MTek Industries, Inc. Sat Mar 20 08:17:04 2021 Page 1
ID:GV8EnpZB3lFFw7AU1cPMDzZmnp-Zju8Vg0Yitv6sGUDNlDedsUaVDB?XPfEcUae?GzZ6az



TOTAL WEIGHT = 6 X 13 = 75 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMB-14	MT20	3.0	4.0			

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	178	0	178	0	4-8	4-8
C	123	98	123	98	4-8	4-8
B	370	0	370	0	3-8	3-8
D	67	0	67	0	4-8	4-8

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

UNFACTORED REACTIONS	MAX/MIN COMPONENT REACTIONS						
	1ST LOSE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	123	98	0	0	0	27	0
C	260	183	0	0	0	76	0
B	50	18	0	0	0	33	0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)				MAX. FACTORED FORCE (LBS)			
	MEMB.	FORCE	VERT. LOAD (PLF)	CS1 (LC)	MEMB.	FORCE	VERT. LOAD (PLF)	CS1 (LC)
FR-TO								
A-B	0/27	-91.8	-91.8	0.12 (1)	10.00	E-F	-288	6
B-F	-20/39	-91.8	-91.8	0.05 (1)	6.25			
F-C	-3/2	-91.8	-91.8	0.24 (1)	10.00			
B-E	0/0	-18.5	-18.5	0.17 (1)	10.00			
E-D	0/0	-18.5	-18.5	0.17 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OSC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CS1: TC=0.24/1.00 (C-F:1), BC=0.17/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS1=0.24/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX	MIN	MAX MIN
MT20	650	371	1747 798 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.30 (B) (INPUT=0.90)
JSI METAL=0.08 (B) (INPUT=1.00)

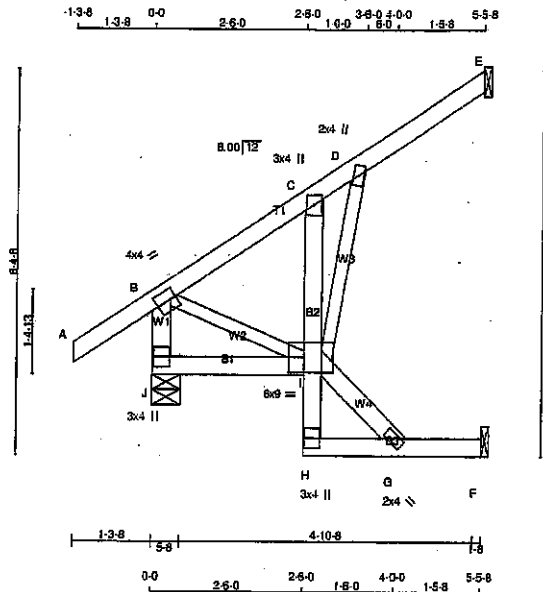


Structural component only
DWG# T-2108083

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	J11	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 5 Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:38:12 2021 Page 1
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Scale = 1/32"

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	4.0	2.00	1.00
C	TMV-p	MT20	3.0	4.0		
D	TMV-w	MT20	2.0	4.0		
G	BMV-w	MT20	2.0	4.0		
H	BMV-p	MT20	3.0	4.0		
I	BMVWW-t	MT20	6.0	9.0	3.00	3.00
J	BMV1-p	MT20	3.0	4.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2x4 SPF #2.

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		
J	427	0	427	0	5-8	5-8
E	214	0	214	0	1-8	1-8
F	87	0	87	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) E: F

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
J	299	210 0	0 0	0 0	90 0	0 0
E	149	109 0	0 0	0 0	40 0	0 0
F	63	30 0	0 0	0 0	33 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 = 5.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	MAX. FACTORED FORCE (LBS)
FR-TO						
J-B	-402 0	0.0	0.04 (1)	7.81	0.180	0.04 (1)
A-B	0 35	-91.8	-91.8 0.12 (1)	10.00	1-G	-180 0
B-C	-189 0	-91.8	-91.8 0.07 (1)	6.25	1-D	0 460
C-D	-395 0	-91.8	-91.8 0.34 (1)	6.25		
D-E	0 64	-91.8	-91.8 0.35 (1)	10.00		
J-I	0 0	-18.5	-18.5 0.04 (4)	10.00		
H-I	0 91	0.0	0.0 0.25 (1)	10.00		
I-C	-531 0	0.0	0.0 0.24 (1)	7.81		
H-G	0 128	-18.5	-18.5 0.17 (1)	10.00		
G-F	0 0	-18.5	-18.5 0.15 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 39.0 PSF	

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2015, ABC 2015
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/804 (0.08")

CSI: TC=0.35/1.00 (D-E:1), BC=0.25/1.00 (H-I:1),
WB=0.10/1.00 (D-I:1), SS=0.29/1.00 (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 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	MAX MIN	MAX MIN
MT20	650 371	1747 788	1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.46 (D) (INPUT = 0.90)
JSI METAL= 0.17 (I) (INPUT = 1.00)

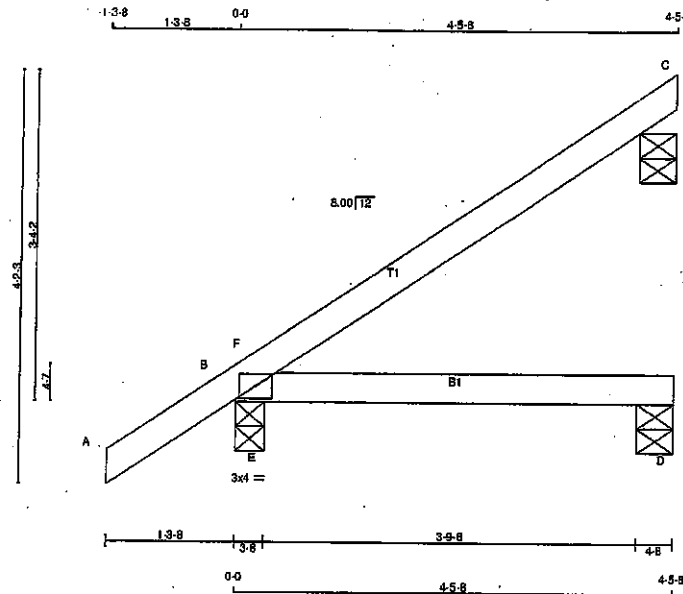


Structural component only
DWG# T-2108105

JOB NAME 417441	TRUSS NAME J12	QUANTITY 6	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:21.3

TOTAL WEIGHT = 6 X 13 = 78 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-H	MT20	3.0	4.0	

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ UPLIFT		
C	178	0	178	0	4-8	4-8
B	372	0	372	0	3-8	3-8
D	87	0	87	0	4-8	4-8

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

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	123	95.0	0.0	0.0	0.0	27.0	0.0
B	261	184.0	0.0	0.0	0.0	78.0	0.0
D	50	18.0	0.0	0.0	0.0	33.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
A-B	0.34	-91.8 -91.8	0.12 (1)	10.00	E-F	-384.2 0.00 (1)	
B-F	-23.107	-91.8 -91.8	0.09 (1)	6.25			
F-C		-91.8 -91.8	0.24 (1)	10.00			
B-E	0.0	-18.5 -18.5	0.16 (1)	10.00			
E-D	0.0	-18.5 -18.5	0.17 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.24/1.00 (C-F:1), BC=0.17/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS=0.31/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	850	371	1747
	850	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



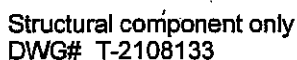
Structural component only
DWG# T-2108106

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Sat Mar 20 08:52:36 2021 Page 1
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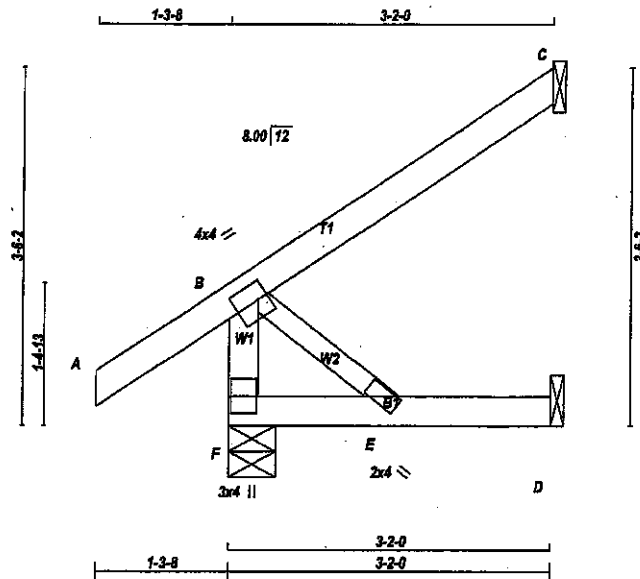
TOTAL WEIGHT = 4 X 20 = 79 lb

JSI GRIP= 0.18 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)



JOB NAME 421219	TRUSS NAME J351	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Tue Aug 24 17:17:27 2021 Page 1
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Scale = 1:20.0

TOTAL WEIGHT = 2 X 12 = 25 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
F - B	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
F - 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	TMVW-1	MT20	4.0	4.0	2.00	1.00
E	BMW-w	MT20	2.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

NOTES - (1)

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	301	0	301	0
C	145	0	145	0
D	29	0	33	0

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	210	151 / 0	0 / 0	0 / 0	59 / 0	0 / 0	0 / 0
C	100	81 / 0	0 / 0	0 / 0	18 / 0	0 / 0	0 / 0
D	23	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LCI	MAX. CSI (LC)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
F-B	-271 / 0	0.0	0.0	0.03 (1)	7.81	0 / 0	0.00 (1)
A-B	0 / 35	-91.8	-91.8	0.13 (5)	10.00		
B-C	0 / 0	-91.8	-91.8	0.16 (1)	10.00		
F-E	0 / 0	-18.5	-18.5	0.05 (4)	10.00		
E-D	0 / 0	-18.5	-18.5	0.05 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN.C.C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2015, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19')
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00')
ALLOWABLE DEFL.(TL) = $L/360$ (0.19')
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.00')

CSI: TC=0.18/1.00 (B-C:1), BC=0.05/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

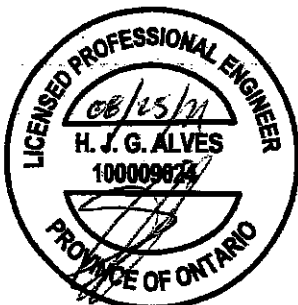
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.17 (B) (INPUT = 0.90)

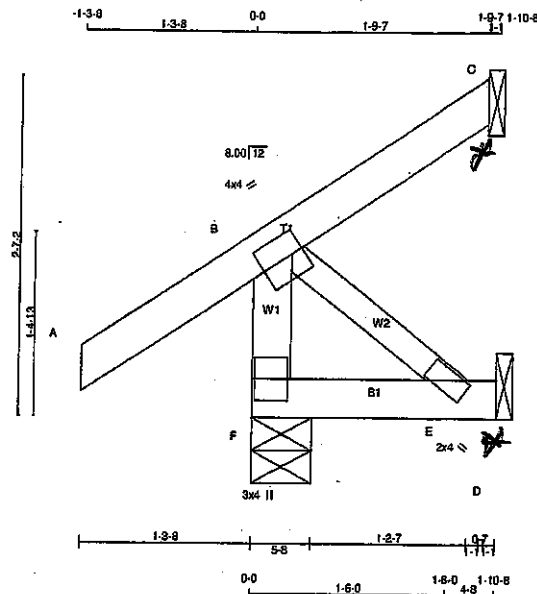
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2129736

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417422	C1	1	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Sat Mar 20 08:16:58 2021 Page 1
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Scale: 3/4"=1'

TOTAL WEIGHT = 9.5

LUMBER

N. L. G. A. RULES

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.00
E	BMVW-1	MT20	2.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

NOTES:

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
F	274	0	5-8	5-8
C	34	0	1-8	1-8
D	17	0	1-8	1-8

SEE MITEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	190	143 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	23	19 / 27	0 / 0	0 / 0	0 / 0	4 / 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) F, C

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX CS1 (LC)	UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM TO				FR-TO		
F-B	-256 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0	0.00 (1)
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00			
B-C	-27 / 0	-91.8	-91.8	0.12 (1)	6.25			
F-E	0 / 0	-18.5	-18.5	0.02 (4)	10.00			
E-D	0 / 0	-18.5	-18.5	0.01 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.8	PSF
	DL = 6.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 39.0	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CS1: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.00/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

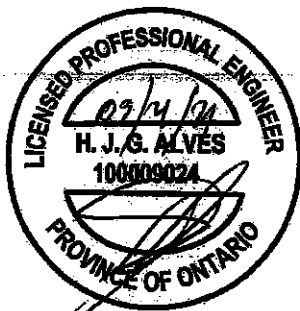
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX	MIN	MAX
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.16 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)

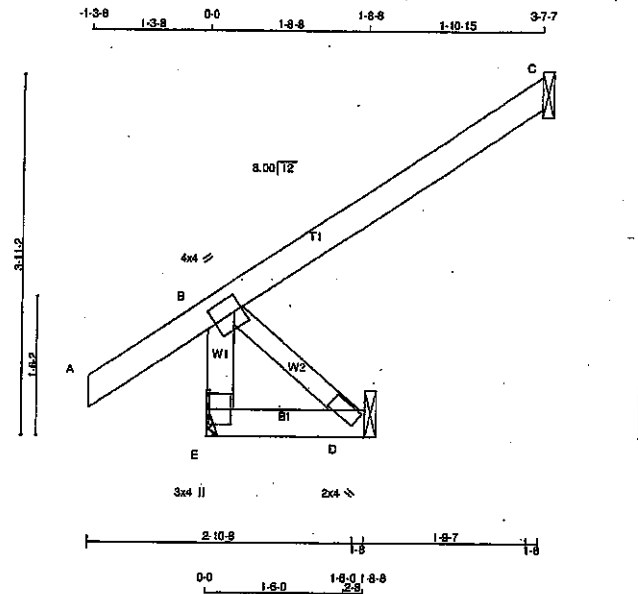


Structural component only
DWG# T-2108076

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	C2A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/2\"/>

TOTAL WEIGHT = 12 lb

LUMBER

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.00
D	BMV1-w	MT20	2.0	4.0		
E	BMV1-p	MT20	3.0	4.0		

NOTES:

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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
E	306	0	306	0
C	166	0	166	0
D	14	0	14	0

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

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
E	212	183 / 0	0 / 0	0 / 0	0 / 0	49 / 0
C	114	93 / 0	0 / 0	0 / 0	0 / 0	22 / 0
D	11	0 / 0	0 / 0	0 / 0	0 / 0	11 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)
MEMB.						
FR-TO						
E-B	-292 / 0	0.0	0.0	0.03 (1)	7.81	0.0 (1)
A-B	0 / 35	-91.8	-91.8	0.13 (5)	10.00	
B-C	0 / 0	-91.8	-91.8	0.20 (1)	10.00	
E-D	0 / 0	-18.5	-18.5	0.01 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.20/1.00 (B-C:1), BC=0.01/1.00 (D-E:4),
WB=0.00/1.00 (B-D:1), SS=0.11/1.00 (B-C:1)

DCL 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.

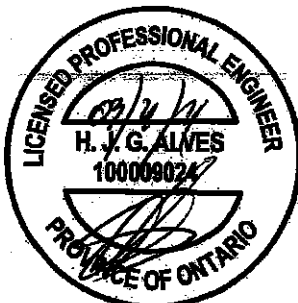
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	650	371	1747
	789	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.18 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)

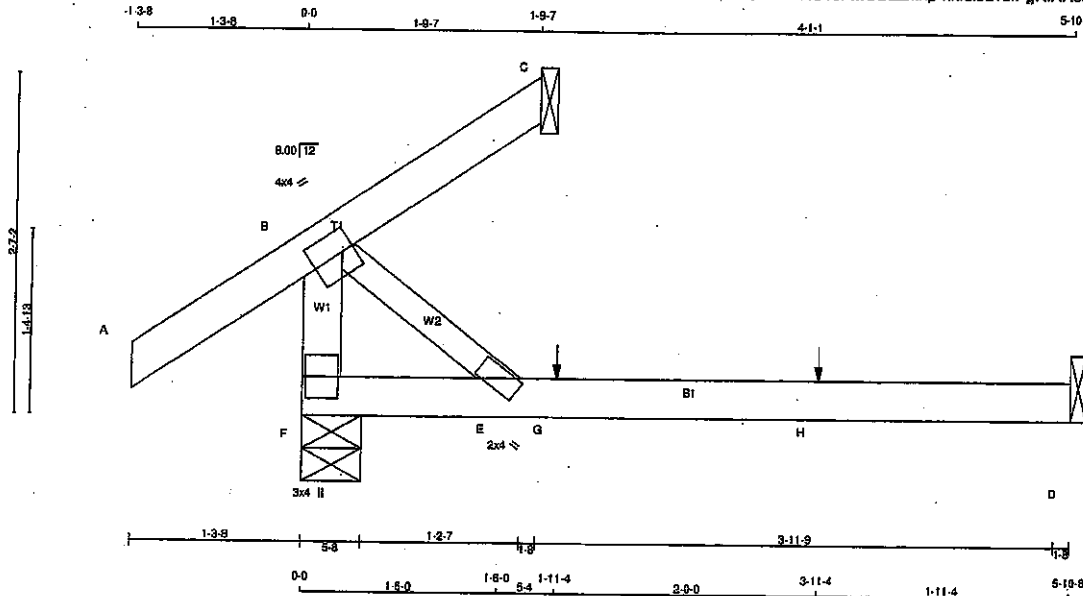


Structural component only
DWG# T-2108077

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417422	C3	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 14.0

LUMBER

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.00
E	BMV-w	MT20	2.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

NOTES-

1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG	
	VERT	HORZ	DOWN	HORZ		IN-SX	IN-SX
F	311	0	311	0	5-8	5-8	
C	34	0	34	0	1-8	1-8	
D	64	0	61	0	1-8	1-8	

SEE MTEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) F, C

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	220	143 / 0	0 / 0	0 / 0	0 / 0	77 / 0	0 / 0
C	23	19 / 0	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	43	0 / 0	0 / 0	0 / 0	0 / 0	43 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD			MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)
		FROM TO	LC1	LC2			
F-B	-256 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0
A-B	0 / 35	-91.8	-91.8	0.13 (1)	10.00		
B-C	-27 / 0	-91.8	-91.8	0.12 (1)	6.25		
F-E	0 / 0	-18.5	-18.5	0.14 (4)	10.00		
E-G	0 / 0	-18.5	-18.5	0.19 (4)	10.00		
G-H	0 / 0	-18.5	-18.5	0.19 (4)	10.00		
H-D	0 / 0	-18.5	-18.5	0.19 (4)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11.4	1	1	1	FRONT	VERT	TOTAL		C1
H	3-11.4	1	1	1	FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.8 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.13/1.00 (A-B:1), BC=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (B-C:1)

DOL LUMBER=0.98 NAIL=0.98 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

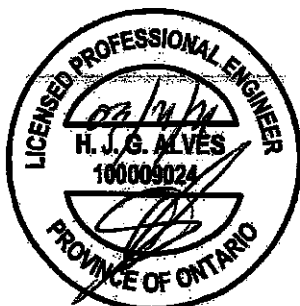
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788	1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.16 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



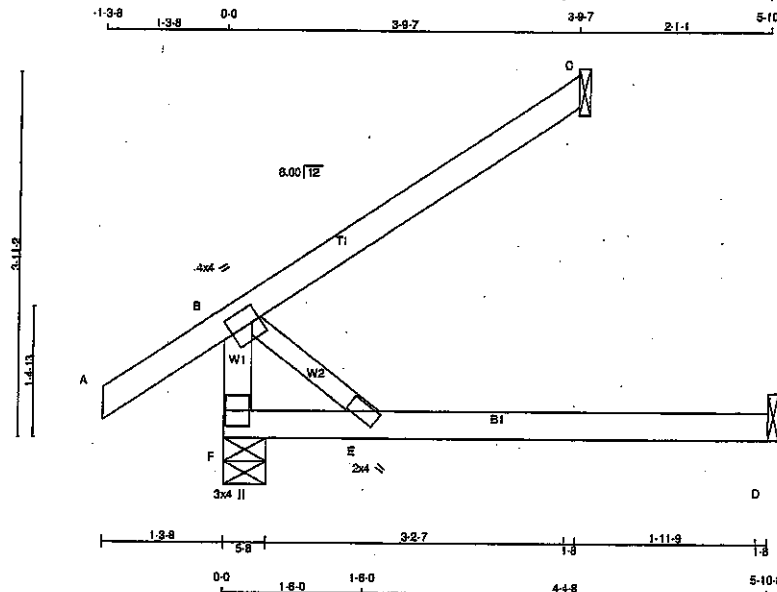
Structural component only
DWG# T-2108078

JOB NAME 417422	TRUSS NAME C4	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/22.7



TOTAL WEIGHT = 16 lb

LUMBER

N. L. G. A. RULES

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
BT TMVW-t	MT20	4.0	4.0	2.00	1.00
E BMVW-w	MT20	2.0	4.0		
F BMV1+p	MT20	3.0	4.0		

NOTES-

(1) Lateral braces to be a minimum of 2x4 SPF #2.

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		
F	354	0	354	0	5-8	5-8
C	174	0	174	0	1-8	1-8
D	54	0	61	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE MAX/MIN. COMPONENT REACTIONS		LIVE	PERM. LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW					
F	250	157.0	0.0	0.0	0.0	83.0	0.0
C	120	97.0	0.0	0.0	0.0	23.0	0.0
D	43	0.0	0.0	0.0	0.0	43.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS FACTORED VERT. LOAD LC1 MAX (PLF)		MAX. UNBRACED LENGTH FR-TO	MEMB. FR-TO	WEBS FACTORED FORCE MAX (LBS)	
		FROM	TO			CS1 (LC)	CS2 (LC)
F-B	-300.0	0.0	0.0	0.03 (1)	7.81	0.0	0.00 (1)
A-B	0.35	-91.8	-91.8	0.12 (1)	10.00		
B-C	0.0	-91.8	-91.8	0.22 (1)	10.00		
F-E	0.0	-18.5	-18.5	0.14 (4)	10.00		
E-D	0.0	-18.5	-18.5	0.19 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/380 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/380 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CS1: TC=0.22/1.00 (B-C:1), BC=0.19/1.00 (D-E:4),
WB=0.00/1.00 (B-E:1), SS1=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

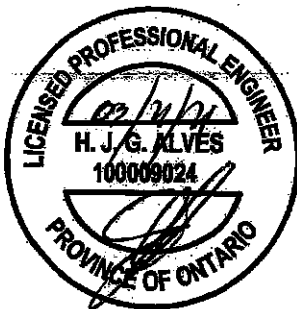
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	650	371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

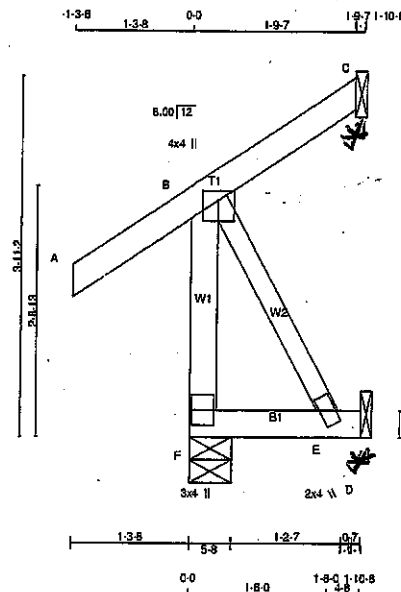
JSI GRIP = 0.19 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108079

JOB NAME 417441	TRUSS NAME C11	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:v5FX5BJdJrZNLenu26zoDzZ19Z-ZuG?nuJP1F9mVW68CQvHsBqCglc1h4ZIG8mXN0zZ6HD



TOTAL WEIGHT = 11 b

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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.25	2.00
E BMV+w	MT20	2.0	4.0		
F BMV1+p	MT20	3.0	4.0		

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
F	274	0	274	0	0	5-8	5-8	5-8	5-8
C	34	0	34	0	-39	1-8	1-8	1-8	1-8
D	17	0	17	0	0	1-8	1-8	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	DEAD	SOIL
F	190	143 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0	0 / 0	0 / 0
C	23	19 / -27	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0	0 / 0	0 / 0
D	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0	0 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		W E B S		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MEMB.
FR-TO		FROM TO		FR-TO			
F-B	-258 / 0	0.0	0.0 0.04 (1)	B-E	0 / 0	0.00 (1)	
A-B	0 / 35	-91.8	-91.8 0.12 (1)				
B-C	-27 / 0	-91.8	-91.8 0.12 (1)				
F-E	0 / 0	-18.5	-18.5 0.02 (4)				
E-D	0 / 0	-18.5	-18.5 0.01 (4)				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 33.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

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

(65 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4),
WB=0.00/1.00 (B-E:1), SS=0.08/1.00 (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

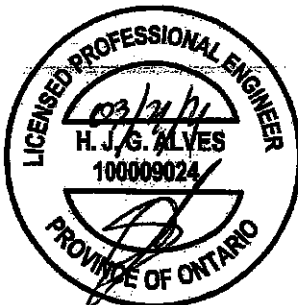
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

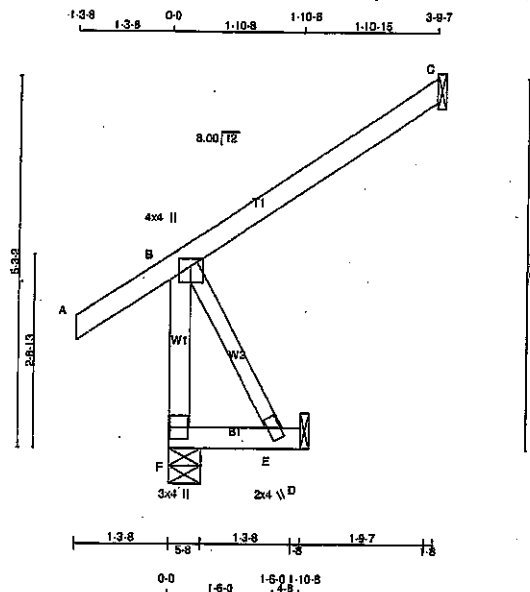
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.17 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108101

JOB NAME 417441	TRUSS NAME C12	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:38:09 2021 Page 1			
		ID:v5FX5Bj0jrZNLEnu26zoDzZ19Z-14qN?EK1oYHd7ghK_IQWOONIS8yGQXpRUoW4wSzZ6HC			
		Scale = 1/25.8			



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMV+w	MT20	2.0	4.0	
F	BMV+1+p	MT20	3.0	4.0	

NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
F	317	0	317	0	5-8
C	174	0	174	0	1-8
D	17	0	19	0	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	220	167.0	0.0	0.0	0.0	53.0	0.0
C	120	97.0	0.0	0.0	0.0	23.0	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) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO		FR-TO		
F-B	-300.0	0.0	0.0	0.04 (1)	B-E	0.0	0.00 (1)
A-B	0.35	-91.8	-91.8	0.13 (5)			
B-C	0.0	-91.8	-91.8	0.22 (1)			
F-E	0.0	-18.5	-18.5	0.02 (4)			
E-D	0.0	-18.5	-18.5	0.01 (4)			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 14 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 3.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/996 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.22/1.00 (B-C:1), BC=0.02/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SSI=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

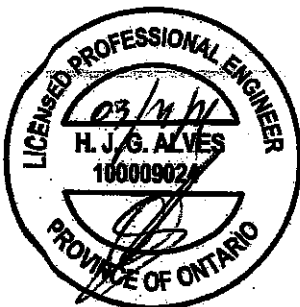
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

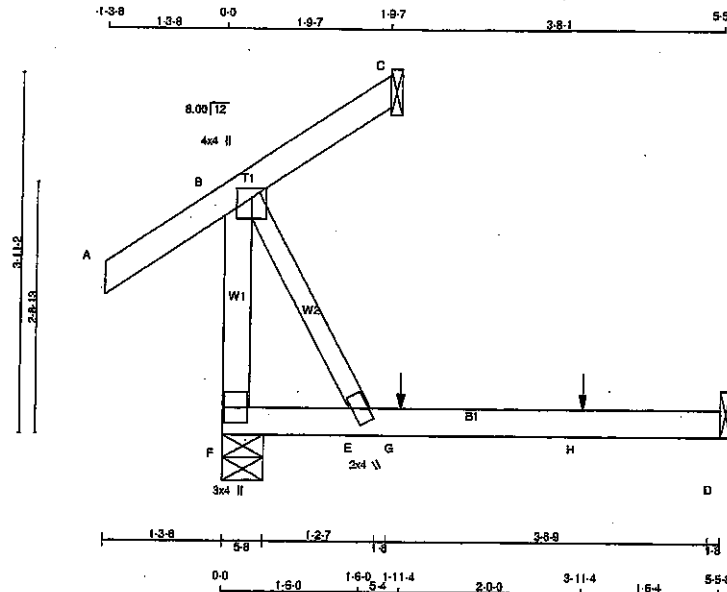
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.20 (B) (INPUT = 0.90)
JSI METAL=0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108102

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417441	C13	1	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Sat Mar 20 08:38:10 2021 Page 1		



TOTAL WEIGHT = 15 lb

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMV+w	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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	UPLIFT	IN-SX	IN-SX
F	307	0	307	0	0	5-8	5-8
C	34	0	34	0	0	1-8	1-8
D	50	0	57	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) F, C, D

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	217	143.0	0.0	0.0	0.0	74.0	0.0
C	23	19.0	0.0	0.0	0.0	4.0	0.0
D	40	0.0	0.0	0.0	0.0	40.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. MEMB. FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO
F-B	-256.0	0.0	0.0
A-B	0.35	-91.8	-91.8
B-C	-27.0	-91.8	-91.8
F-E	0.0	-18.5	-18.5
E-G	0.0	-18.5	-18.5
G-H	0.0	-18.5	-18.5
H-D	0.0	-18.5	-18.5

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	1	FRONT	VERT	TOTAL	—	C1
H	3-11-4	1	1	1	FRONT	VERT	TOTAL	—	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.13/1.00 (A-B:1), BC=0.16/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (B-C:1)

DOL LUMBER=0.98 NAIL=0.98 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)	(PLI)
MAX	MIN	MAX	MIN
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.17 (3) (INPUT = 0.90)
JSI METAL = 0.05 (6) (INPUT = 1.00)

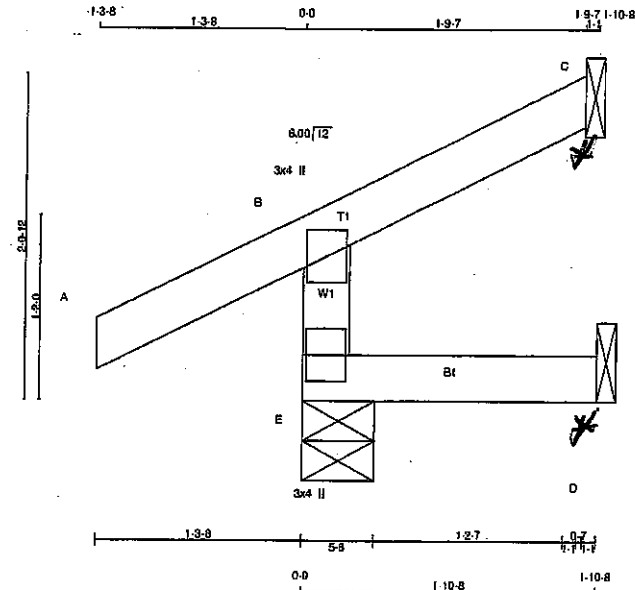


Structural component only
DWG# T-2108103

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	C31	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:13.3

TOTAL WEIGHT = 5 X 7 = 35 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

NOTES:

(1) Lateral braces to be a minimum of 2x4 SPF #2.

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
E	271	271	0	5-8
C	45	45	-23	1-8
D	8	17	-2	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	188	141 / 0	0 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	31	24 / -18	0 / 0	0 / 0	0 / 0	0 / 0	7 / 0	0 / 0
D	7	0 / -8	0 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX CS1 (LC)	UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM	TO					
E-B	-244 / 0	0.0	0.0	0.04 (5)	7.81			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00			
B-C	-17 / 0	-91.8	-91.8	0.09 (1)	6.25			
E-D	0 / 0	-18.5	-18.5	0.04 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.04/1.00 (D-E:5), WB=0.00/1.00 (A-B:0), SSI=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.10 (E) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

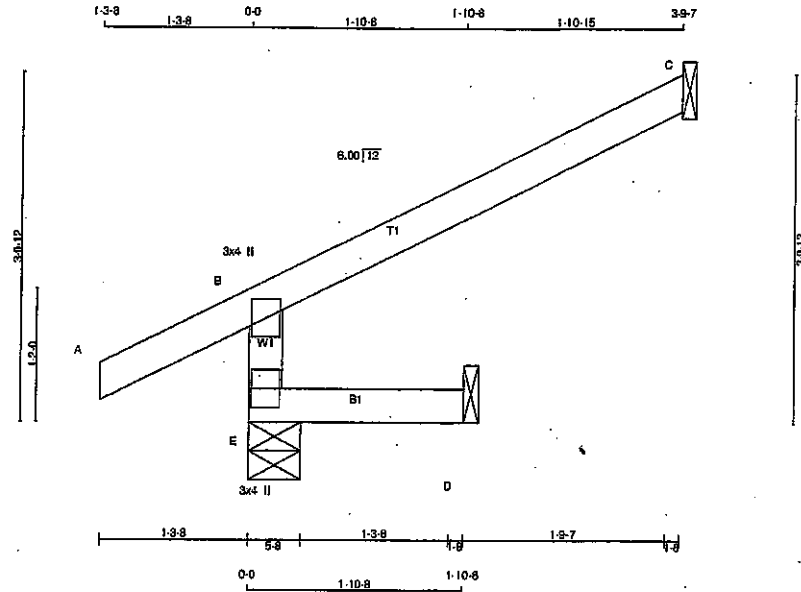


Structural component only
DWG# T-2108126

JOB NAME 417443	TRUSS NAME C32	QUANTITY 5	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:18.4

TOTAL WEIGHT = 5 X 10 = 48 lb

LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	SPF	
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
B	TMV+p	MT20	3.0	4.0	
E	BMV1+p	MT20	3.0	4.0	

NOTES: (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HCRZ	DOWN	HCRZ	UPLIFT	IN-SX	IN-SX	BRG	BRG
E	361	0	361	0	0	5-8	5-8		
C	130	0	130	0	0	1-8	1-8		
D	16	0	17	0	0	1-8	1-8		

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	250	190'0	0'0	0'0	0'0	60'0	0'0
C	90	73'0	0'0	0'0	0'0	17'0	0'0
D	12	0'0	0'0	0'0	0'0	12'0	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: (5)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	MEMB.	FORCE (LBS)	MAX
FR-TO		FROM	TO	LENGTH	FR-TO		
E-B	-342'0	0.0	0.0	0.01 (4)	7.81		
A-B	0'28	-91.8	-91.8	0.13 (5)	10.00		
B-C	-19'0	-91.8	-91.8	0.22 (1)	6.25		
E-D	0'0	-18.5	-18.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TO=0.22/1.00 (B-C:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PSI)	(PL)	(PL)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.14 (E) (INPUT = 0.90)
JSI METAL=0.09 (B) (INPUT = 1.00)

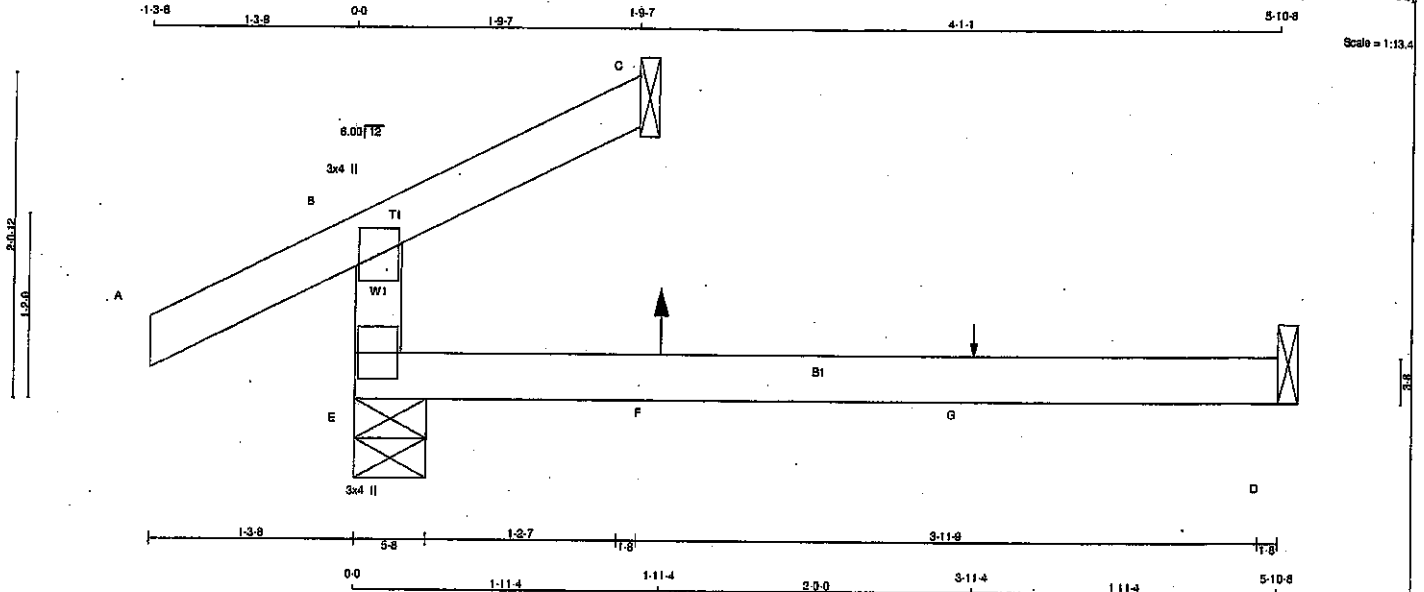


Structural component only
DWG# T-2108127

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	C33	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 5 X 12 = 58 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
E	284	284	0	5-8
C	63	63	0	1-8
D	44	52	0	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	200	137.0	0.0	0.0	0.0	0.0	62.0	0.0
C	48	21.0	0.0	0.0	0.0	0.0	25.0	0.0
D	35	0.0	0.0	0.0	0.0	0.0	37.0	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 = 10.00 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: (7)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED MOMENT (LBS-FT)	MAX. FACTORED SHEAR (LBS)	MAX. FACTORED TORSION (LBS-FT)
FR-TO							
E-B	-227.0	0.0	0.0	0.11 (4)	7.81		
A-B	0.28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-9.9	-91.8	-91.8	0.08 (4)	10.00		
E-F	0.0	-18.5	-18.5	0.14 (4)	10.00		
F-G	0.0	-18.5	-18.5	0.14 (4)	10.00		
G-D	0.0	-18.5	-18.5	0.14 (4)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	5	1	8	FRONT	VERT		C1
G	3-11.4	1	1		FRONT	VERT		C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 25.6	PSF
	DL	= 6.0	PSF
BOT CH.	LL	= 0.0	PSF
	DL	= 7.4	PSF
TOTAL LOAD		= 39.0	PSF

SPACING = 24.0 IN CC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.12/1.00 (A-B:1), BC=0.14/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SSI=0.08/1.00 (A-B:1)

DOL LUMBER=0.99 NAIL=0.99 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

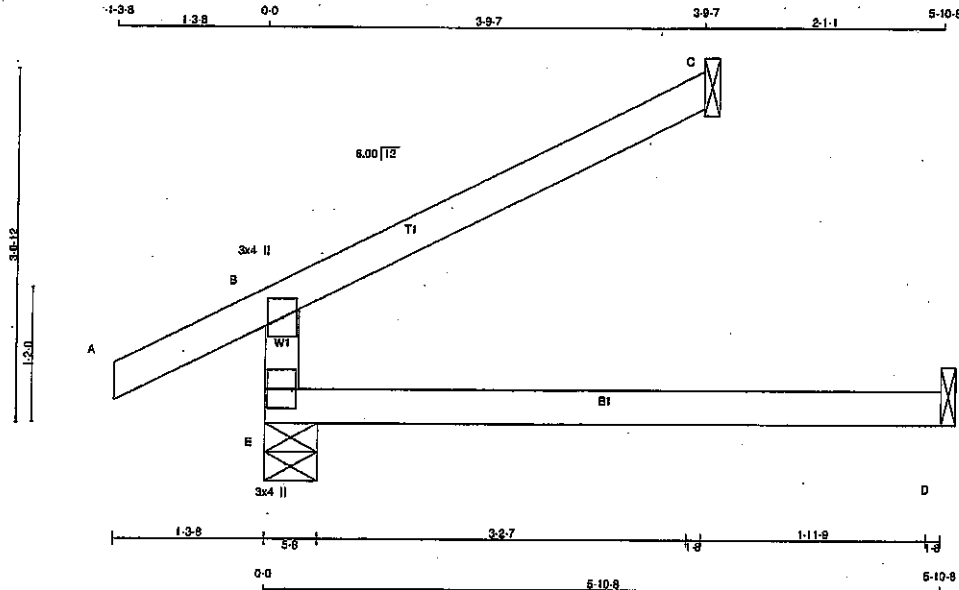
JSI GRIP= 0.09 (E) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108128

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417443	C34	5	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington					

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TOTAL WEIGHT = 5 X 14 = 71 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

NOTES-

(1) Lateral braces to be a minimum of 2X4 SPF #2.

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
	VERT	HORZ	DOWN	HORZ		
E	405	0	405	0	5-8	5-8
C	130	0	130	0	1-8	1-8
D	45	0	50	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS				DEAD	SOIL
		COMBINED	SNOW	LIVE	PERM. LIVE		
E	288	190	0	0	0	96	0
C	90	73	0	0	0	17	0
D	36	0	0	0	0	36	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1	MAX. FACTORED (PLF)	MAX. UNBRAC LENGTH	MEMB. FORCE (LBS)	MAX. FACTORED (LBS)
FR-TO						
E-B	-342	0	0.0	0.0	7.81	
A-B	0	28	-91.8	-91.8	10.00	
B-C	-19	0	-91.8	-91.8	6.25	
E-D	0	0	-18.5	-18.5	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF	

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 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) = $L/999$ (0.03")

CSI: TC=0.22/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SSI=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (E) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108129

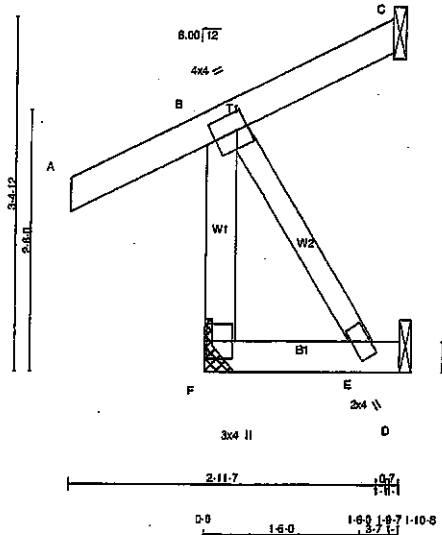
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417443	C35	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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-1-3-8 1-3-8 0-0 1-9-7 1-9-7 1-10-8

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



TOTAL WEIGHT = 2 X 11 = 21 lb

LUMBER

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-1	MT20	4.0	4.0	2.00	1.25
E BMVW-1	MT20	2.0	4.0		
F BMV1-p	MT20	3.0	4.0		

NOTES-

- (1) Lateral braces to be a minimum of 2X4 SPF #2.

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	271	0	271	0	IN-SX	IN-SX
C	35	0	35	0	MECHANICAL	MECHANICAL
D	17	0	19	0	1-8	1-8

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

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	189	142/0	0/0	0/0	0/0	47/0	0/0
C	24	19/-26	0/0	0/0	0/0	5/0	0/0
D	14	0/0	0/0	0/0	0/0	14/0	0/0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
FR-TO		FROM	TO		FR-TO		
F-B	-254 / 0	0.0	0.0	0.03 (1)	7.81	E-E	0 / 0
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00		0.00 (1)
B-C	-21 / 0	-91.8	-91.8	0.11 (1)	6.25		
F-E	0 / 0	-18.5	-18.5	0.02 (4)	10.00		
E-D	0 / 0	-18.5	-18.5	0.01 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	25.6	PSF
DL	=	6.0	PSF
BOT CH. LL	=	0.0	PSF
DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SPACING = 24.0 IN. O.C.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (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
(PS)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.15 (B) (INPUT = 0.90)
JSI METAL = 0.04 (B) (INPUT = 1.00)

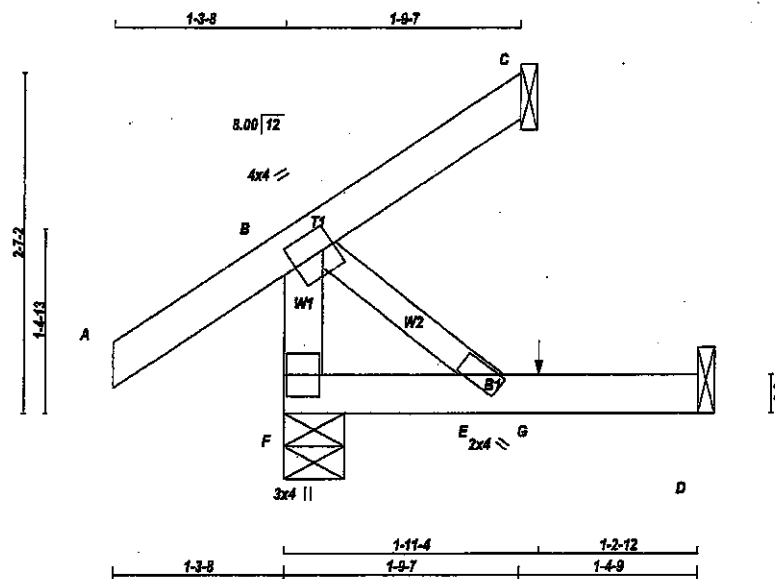


Structural component only
DWG# T-2108130

JOB NAME 421219	TRUSS NAME C351	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale: 3/4"=1'

TOTAL WEIGHT = 10 lb

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B - TMVW+	MT20	4.0	4.0	2.00	1.00
E - BMW+w	MT20	2.0	4.0		
F - BMV1+p	MT20	3.0	4.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2x4 SPF #2.

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	286	0	286	0	5-8	5-8
C	34	0	34	0	1-8	1-8
D	29	0	33	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
F	200	143 / 0	0 / 0	0 / 0	0 / 0	57 / 0	0 / 0
C	23	19 / -27	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	23	0 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
F-B	-256 / 0	0.0	0.0	0.0
A-B	0 / 35	-91.8	-91.8	0.0
B-C	-27 / 0	-91.8	-91.8	0.0
F-E	0 / 0	-18.5	-18.5	0.0
E-G	0 / 0	-18.5	-18.5	0.0
G-D	0 / 0	-18.5	-18.5	0.0

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	-	FRONT	VERT	TOTAL	-	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2018
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIG 2014

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

(55 % OF 91.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CS: TC=0.14/1.00 (A-B-S), BC=0.05/1.00 (D-E-4), WB=0.00/1.00 (B-E-1), SSI=0.09/1.00 (A-B-S)

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
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	650	371	788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.16 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2129735



Alves Engineering Services Inc.

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

RESPONSABILITIES

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

SPECIFICATIONS

- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.
- 2- Lumber is to be the sizes and grade specified on the truss drawing.
- 3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.
- 4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings
- 5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.
- 6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)
- 7- When rigid ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals.
- 8-Refer to Mitek sheet MII7473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1300218

Feb 09, 2018

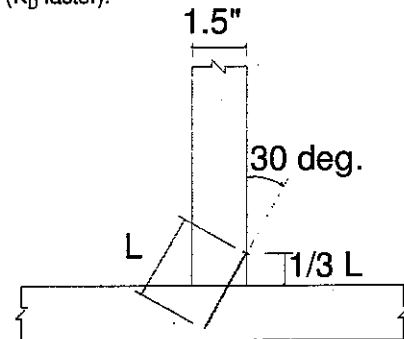
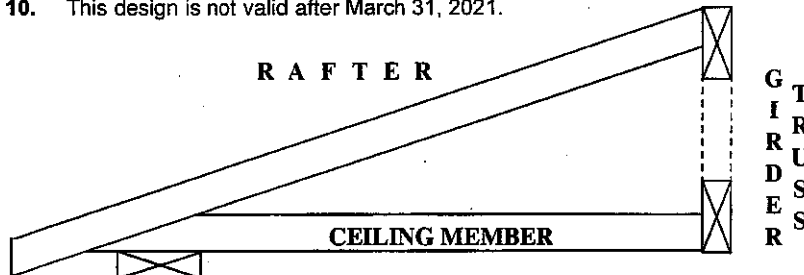
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

B97791H1

NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL LATERAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	132	147
	3.25	0.144	132	147
	3.50	0.160	159	177
COMMON SPIRAL	3.00	0.122	97	108
	3.25	0.122	97	108
	3.50	0.152	145	162

NOTES:

1. Rafter and ceiling members may be anchored to top and bottom chords of girder truss by toe-nailing rafter and ceiling members to girder chords provided the reaction does not exceed the lateral capacities in the table. Hangers (specified by others) are required for reactions higher than the maximum toe-nail capacity. Reactions are based on factored loads.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.4.1.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in tables below.
5. Nail values in table are based on the following relative lumber densities: G = 0.42 (SPF), G = 0.49 (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See next page for nailing on bearing plate).
7. For loads due to **wind** the nail lateral capacity in this table may be multiplied by 1.15 (K_D factor).
8. Lumber must be dry (< 19% moisture content) at the time of nail installation.
9. Nail values in this table comply with CSA O86-14, section 12.9.4
10. This design is not valid after March 31, 2021.

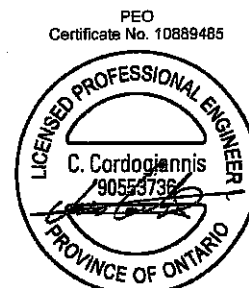


TOE-NAIL INSTALLATION

Nail type	Common wire	Common spiral	Common wire	Common spiral
Nail dia. (in)	0.160	0.152	0.144	0.122
	(3.5" nail)		(3" and 3.25" nail)	
LUMBER SIZE	MAXIMUM NUMBER OF TOE-NAILS			
2X4 SPF	2	2	3	3
2X4 D. Fir	2	2	2	2
2X6 SPF	4	4	4	5
2X6 D. Fir	3	3	3	4

MiTek® MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

December 2, 2019



BEARING ANCHORAGE BY TOE-NAILS FOR WIND LOADING

B97791H2

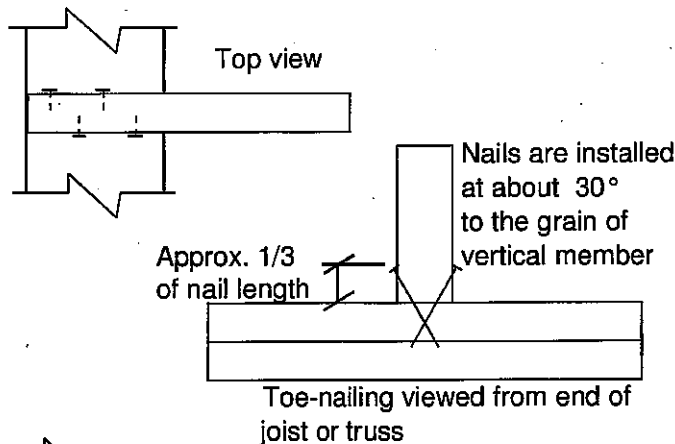
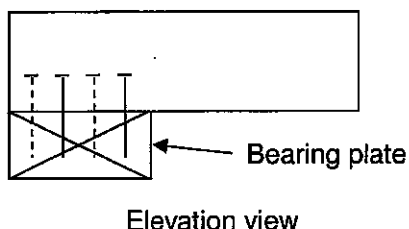
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52
COMMON SPIRAL	3.00	0.122	26	36
	3.25	0.122	28	40
	3.50	0.152	36	50

Note: If using truss with D. Fir lumber and S-P-F bearing plate, use values in table for S-P-F.

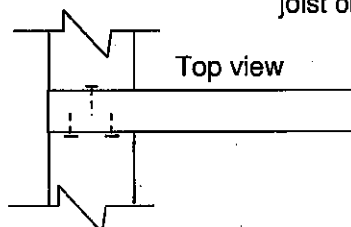
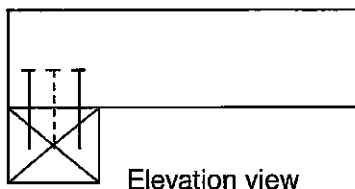
NOTES:

1. Truss chord, rafter, or ceiling members may be anchored to bearing plate by toe-nails, provided that the actual factored uplift force due to **wind** or **earthquake** load does not exceed the withdrawal capacities in the table. Hangers (specified by others) are required for uplift forces that are higher than the maximum toe-nail withdrawal capacity.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.5.2.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in table above.
5. Nail values in table are based on the following relative lumber densities: $G = 0.42$ (SPF), $G = 0.49$ (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See drawing on detail B37579H1).
7. Lumber must be dry (< 19% moisture content) at the time of nail installation.
8. Nail values in this table comply with CSA O86-14, section 12.9.5
9. This design is not valid after March 31, 2021.

Toe-nailing on 2x6 Bearing Plate



Toe-nailing on 2x4 Bearing Plate



MiTek

MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

PEO
Certificate No. 10889485



December 2, 2019

HUS/LJS – Double Shear Joist Hangers

SIMPSON
Strong-Tie

All hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

Material: See table

Finish: G90 galvanized

Design:

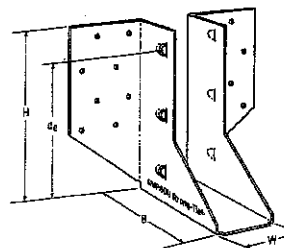
- Factored resistances are in accordance with CSA O86 -14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

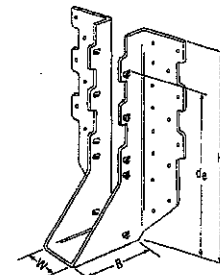
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

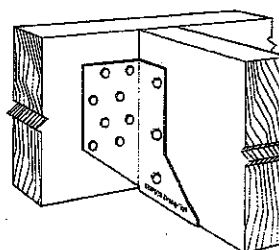
- See current catalogue for options



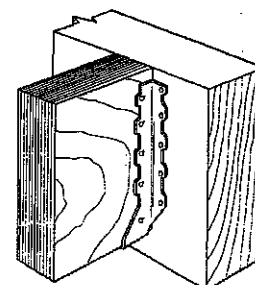
LJS26DS



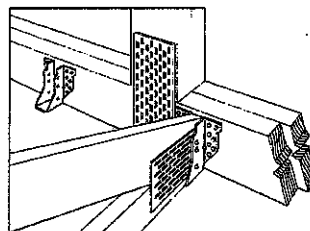
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS
Installation



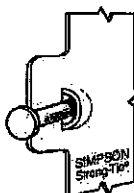
Typical HUS
Installation



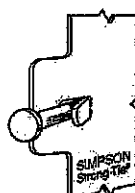
Typical HUS Installation
(Truss Designer to provide fastener
quantity for connecting multiple
members together)

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d _s ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _u =1.15)	Normal (K _u =1.00)	Uplift (K _u =1.15)	Normal (K _u =1.00)
LJS26DS	18	1 1/8	5	3 1/2	4 5/8	(16) 16d	(6) 16d	2055	4265	1460	4115
HUS26	16	1 1/8	5 3/8	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
HUS28	16	1 1/8	7 3/8	3	6 3/8	(22) 16d	(8) 16d	3605	5365	2675	4345
HUS210	16	1 1/8	9 3/8	3	7 3/8	(30) 16d	(10) 16d	4505	5795	4010	4740
HUS1.81/10	16	1 1/8	9	3	8	(30) 16d	(10) 16d	4505	6450	4010	5200

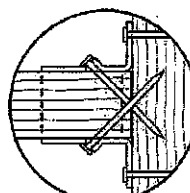
1. d_s is the distance from the seat of the hanger to the highest joist nail.



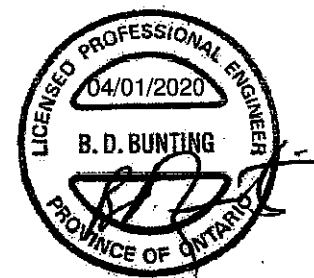
Double Shear Nailing prevents tabs breaking off (available on some models).
U.S. Patent 5,603,580



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



LIMIT
STATES
DESIGN

This technical bulletin is effective until June 30, 2022, and reflects information available as of April 1, 2020. This information is updated periodically and should not be relied upon after June 30, 2022. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com

© 2020 Simpson Strong-Tie Company, Inc.

T-SPEC-HUS20, 3/20 exp. 6/22

(800) 999-5099
strongtie.com

TECHNICAL BULLETIN

LUS – Double Shear Joist Hangers

SIMPSON
Strong-Tie

All LUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections.

Material: 18 gauge

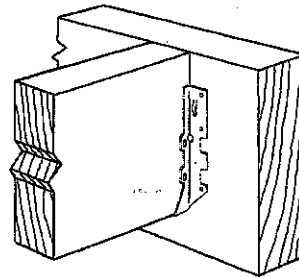
Finish: G90 galvanized

Design:

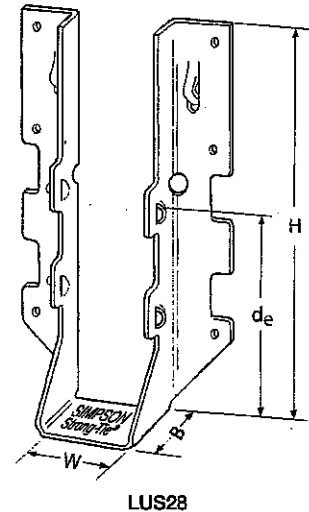
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

- Use all specified fasteners.
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire,
10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.



Typical LUS
Installation

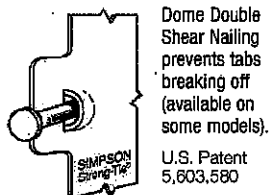


Options:

- These hangers cannot be modified

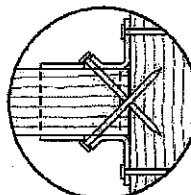
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d _e ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _p =1.15)	Normal (K _p =1.00)	Uplift (K _p =1.15)	Normal (K _p =1.00)
LUS24	18	1 1/8	3 1/8	1 3/4	1 15/16	(4) 10d	(2) 10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/8	2	1 13/16	(4) 16d	(2) 16d	835	2020	590	1435
LUS26	18	1 1/8	4 3/8	1 3/4	3 3/8	(4) 10d	(4) 10d	1420	2170	1290	1630
LUS26-2	18	3 1/8	4 3/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
LUS26-3	18	4 3/8	4 3/8	2	3 1/4	(4) 16d	(4) 16d	1720	2595	1545	2340
LUS28	18	1 1/8	6 5/8	1 3/4	3 3/4	(6) 10d	(6) 10d	1420	2520	1290	1790
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
LUS28-3	18	4 3/8	6 1/4	2	3 1/4	(6) 16d	(4) 16d	1720	3325	1545	2375
LUS210	18	1 1/8	7 13/16	1 3/4	3 7/8	(8) 10d	(4) 10d	1420	2785	1290	2210
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
LUS210-3	18	4 3/8	8 3/8	2	5 1/4	(8) 16d	(6) 16d	2580	3345	2320	2375

1. d_e is the distance from the seat of the hanger to the highest joist nail.



Dome Double
Shear Nailing
prevents tabs
breaking off
(available on
some models).

U.S. Patent
5,603,580



Double
Shear
Nailing
Top View.



**LIMIT
STATES
DESIGN**

This technical bulletin is effective until June 30, 2022, and reflects information available as of April 1, 2020. This information is updated periodically and should not be relied upon after June 30, 2022. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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T-SPEC LUS20 3/20 exp. 8/22

(800) 999-5099
strongtie.com

TECHNICAL BULLETIN

HGUS – Double Shear Joist Hangers

SIMPSON
Strong-Tie

All HGUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

Material: 12 gauge

Finish: G90 galvanized

Design:

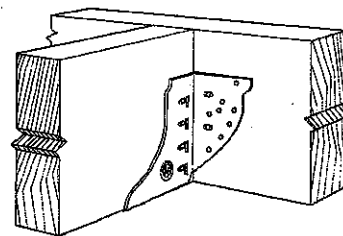
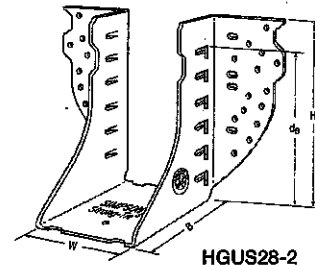
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%.
No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

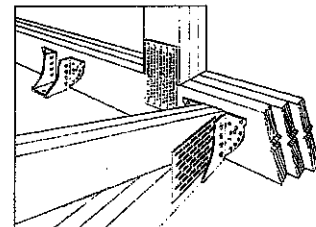
- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

- See current catalogue for options



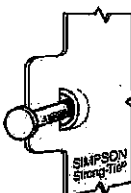
Typical HGUS Installation



Typical HGUS Installation
(Truss Designer to provide fastener quantity for connecting multiple members together)

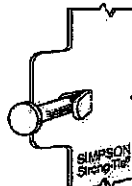
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d _o ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _o =1.15)	Normal (K _o =1.00)	Uplift (K _o =1.15)	Normal (K _o =1.00)
HGUS26	12	1 5/8	5 3/8	5	4 5/8	(20) 16d	(8) 16d	2685	6625	2685	5700
HGUS26-2	12	3 3/8	5 7/8	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-3	12	4 1/8	5 1/2	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-4	12	6 1/8	5 7/8	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS28	12	1 5/8	7 1/8	5	6 1/8	(36) 16d	(12) 16d	3310	7675	3100	6900
HGUS28-2	12	3 3/8	7 3/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-3	12	4 1/8	7 1/4	4	6 3/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-4	12	6 1/8	7 3/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS210	12	1 5/8	9 1/8	5	7 7/8	(46) 16d	(16) 16d	3535	11070	2510	8090
HGUS210-2	12	3 3/8	9 3/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270
HGUS210-3	12	4 1/8	9 1/4	4	8 3/8	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS210-4	12	6 1/8	9 3/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 1/8	10 3/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	6 1/8	12 3/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645

1. d_o is the distance from the seat of the hanger to the highest joist nail.

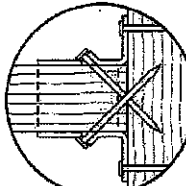


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,803,580



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



LIMIT
STATES
DESIGN

This technical bulletin is effective until June 30, 2022, and reflects information available as of April 1, 2020. This information is updated periodically and should not be relied upon after June 30, 2022. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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T-SPECHGUS20-3/20 exp. 6/22



(800) 999-5099
strongtie.com

TECHNICAL BULLETIN

H – Seismic and Hurricane Ties

SIMPSON
Strong-Tie

The H connector series provides wind and seismic ties for trusses and rafters.

Material: 18 gauge **Finish:** G90 galvanized

Design: • Factored resistances are in accordance with CSA O86-14

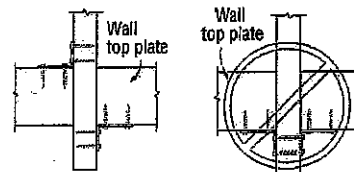
- Factored resistances have been increased 15%. No further increase is permitted.

Installation: • Use all specified fasteners

- Nails: 8d = 0.131" dia. x 2½" long common wire, 8d x 1½" = 0.131" x 1½" long, 10d x 1½" = 0.146" x 1½" long
- H1 can be installed with flanges facing outwards
- Hurricane ties do not replace solid blocking

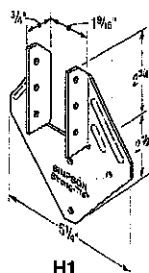
Factored resistances for more than one direction for a single connection cannot be added together. A factored load which can be divided into components in the directions given must be evaluated as follows: Factored Shear/Resisting Shear + Factored Tension/Resisting Tension ≤ 1.0.

Hurricane Tie Installations to Achieve Twice the Load (Top View)

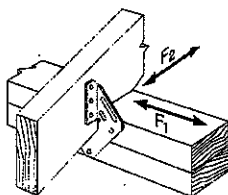


Install diagonally across from each other for minimum 2x truss.

Nailing into both sides of a single ply 2x truss may cause the wood to split.



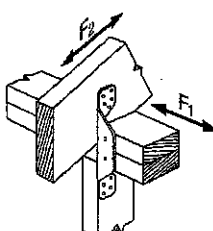
H1



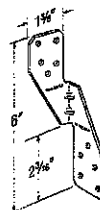
H1 Installation



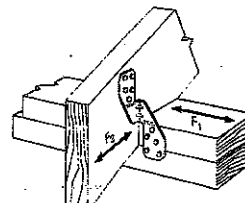
H2A



H2A Installation



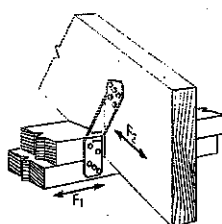
H2.5A



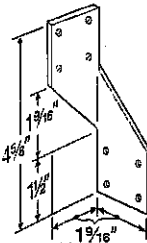
H2.5A Installation



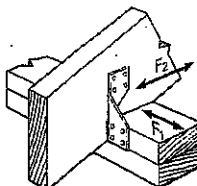
H2.5T



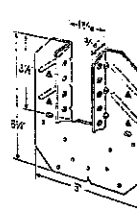
H2.5T Installation
(Nails into both top plates)



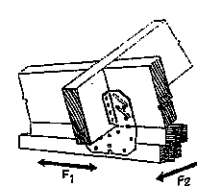
H3



H3 Installation



H10A



H10A Installation

Model No.	Ga.	Fasteners			Factored Resistance (lb.)					
					D.Fir-L			S-P-F		
		To Rafter	To Plates	To Studs	Uplift	Normal		Uplift	Normal	
						F ₁	F ₂		F ₁	F ₂
						(K _p =1.15)			(K _p =1.15)	
H1	18	(6) 8d x 1½"	(4) 8d	—	740	685	300	680	485	215
H2A	18	(5) 8d x 1½"	(2) 8d x 1½"	(5) 8d x 1½"	830	220	75	590	155	55
H2.5A	18	(5) 8d	(5) 8d	—	805	160	160	755	160	160
H2.5T	18	(5) 8d	(5) 8d	—	835	175	240	740	160	210
H3	18	(4) 8d	(4) 8d	—	740	180	265	615	125	190
H10A	18	(9) 10d x 1½"	(9) 10d x 1½"	—	1735	795	410	1505	565	290

1. Factored resistances have been increased 15% for earthquake or wind loading with no further increase allowed.

2. Factored resistances are for one anchor. A minimum rafter thickness of 2½" must be used when framing anchors are installed on each side of the joist and on the same side of the plate.

3. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.

4. Hurricane ties are shown installed on the outside of the wall for clarity. Installation on the inside of the wall is acceptable. For a Continuous Load Path, connections must be on same side of the wall.



LIMIT
STATES
DESIGN

This technical bulletin is effective until June 30, 2022, and reflects information available as of April 1, 2020. This information is updated periodically and should not be relied upon after June 30, 2022. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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T-SPECH20 3/20 exp. 6/22



(800) 999-5099
strongtie.com



ONTARIO WOOD TRUSS
FABRICATORS ASSOCIATION

TECH-NOTES

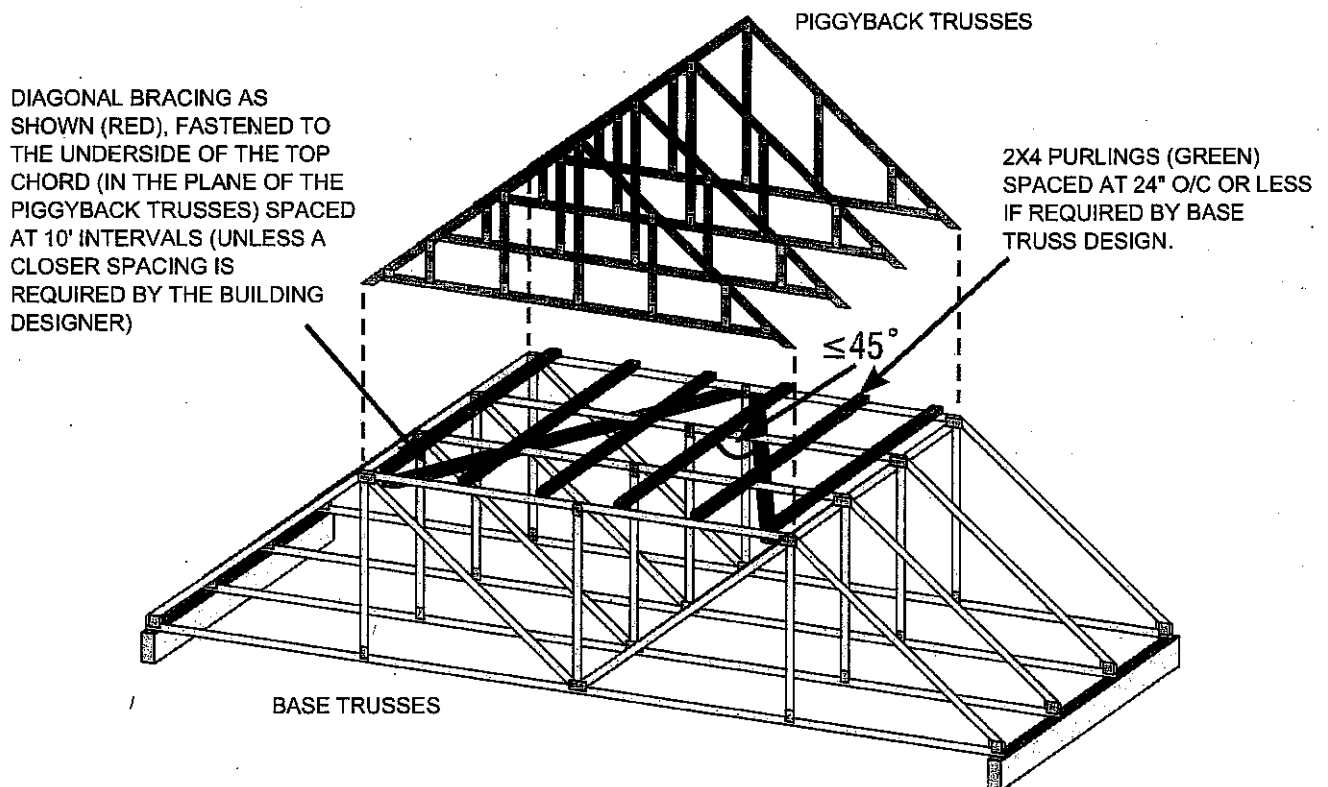
TN 15-001 Piggyback Bracing

Overview:

Where piggybacks are connected overtop of base trusses, 2x4 purlins must be first added to the flat portion of the base truss at a spacing no more than 24" o/c. These purlins not only provide support for the piggyback trusses above, but are required to laterally support the top chord of the base truss which will not have the sheathing directly connected to the flat portion of the base truss. This ensures the top chord, most often in compression, will not buckle laterally.

Further, the purlins in the plane of the flat portion require diagonal bracing to prevent lateral displacement of the purlins themselves where under certain conditions, the trusses may in fact all buckle in the same direction if this additional bracing is not added in the plane of the purlins.

Detail:



NOTE: THE SLOPED PORTION OF THE TOP CHORD OF THE BASE TRUSS AND PIGGYBACK TRUSS IN THIS SKETCH IS ASSUMED TO BE SHEATHED IN ACCORDANCE WITH THE OBC.

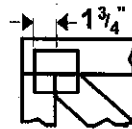
SKETCH FROM BCSI-CANADA 2013

Disclaimer:

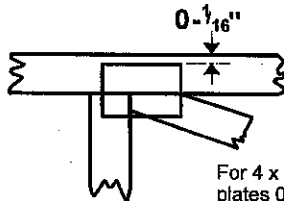
OWTFA Tech Notes are intended to provide guidance to the design community both within the membership as well as to third party designers who might benefit from the information. The details have been developed by the OWTFA technical committee and although there may be professional engineers involved in development, the information contained in the tech-note are not intended to be used without having a professional engineer review the information for a specific application. The OWTFA takes no responsibility with respect to the information provided but has developed this tech-note to offer guidance where it is not currently readily available.

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



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

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

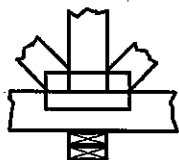
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

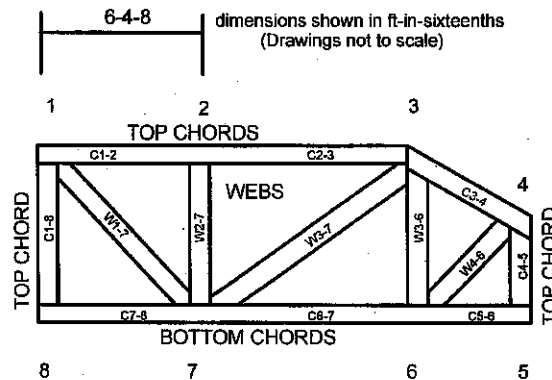


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
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

ICC-ES Reports:

ESR-1311, ESR-1352, ESR-1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet MII-7473 rev. 10/03/2015

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 Tor I 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 ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
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 ANSI/TPI 1 Quality Criteria.