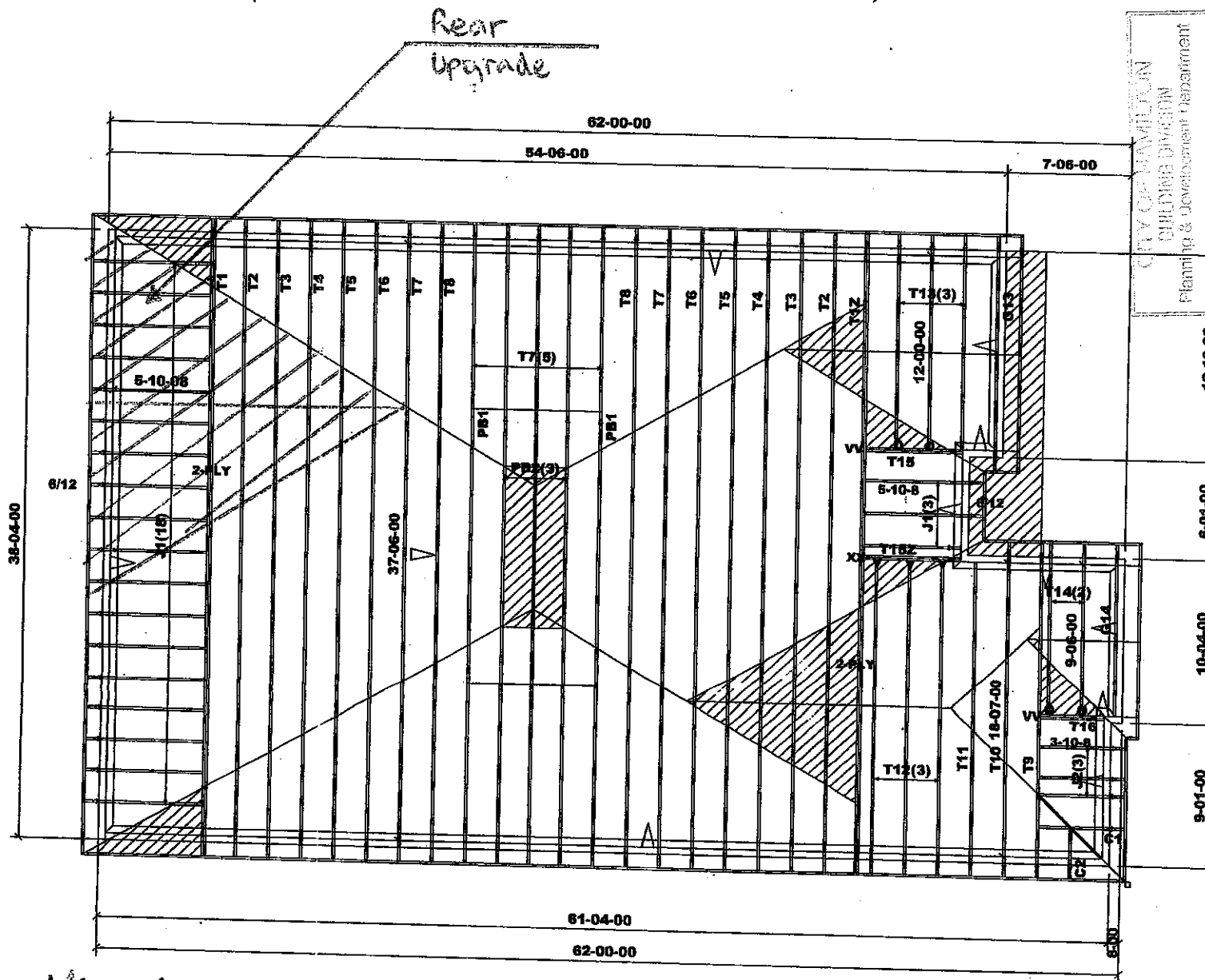




CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department

SEP 15 2021

10/12 ROOF PITCH UNLESS NOTED

ASPHALT SHINGLES
FINISHED OVERHANG: 12"
2x6 EXTERIOR WALLS
2x6 FASCIA BOARD
HEEL: R.T.M.C.

All conventional framing to conform with Part 9 of O.B.C. 2012 (2019 amendment). Roof rafters that cross over or meet trusses to be min. 2x4 SPF #2 @ 24" o/c with a vertical post to the truss at each cross point. Vertical posts longer than 6' to have lateral bracing so that the distance between the post end points and lateral bracing does not exceed 6'.

DESIGN CONFORMS WITH OBC 2012 (2019 amendment) OCCUPANCY: RESIDENTIAL | PART: 9
Ss = 31.35 psf | Sr = 8.4 psf

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

HARDWARE:
LUS24 - (O)
LJS28DS - (V)
HGUS28-2 - (XX)
LUS28-2 (VV)
H2.5T (J)

DENOTES: CONVENTIONAL FRAMING



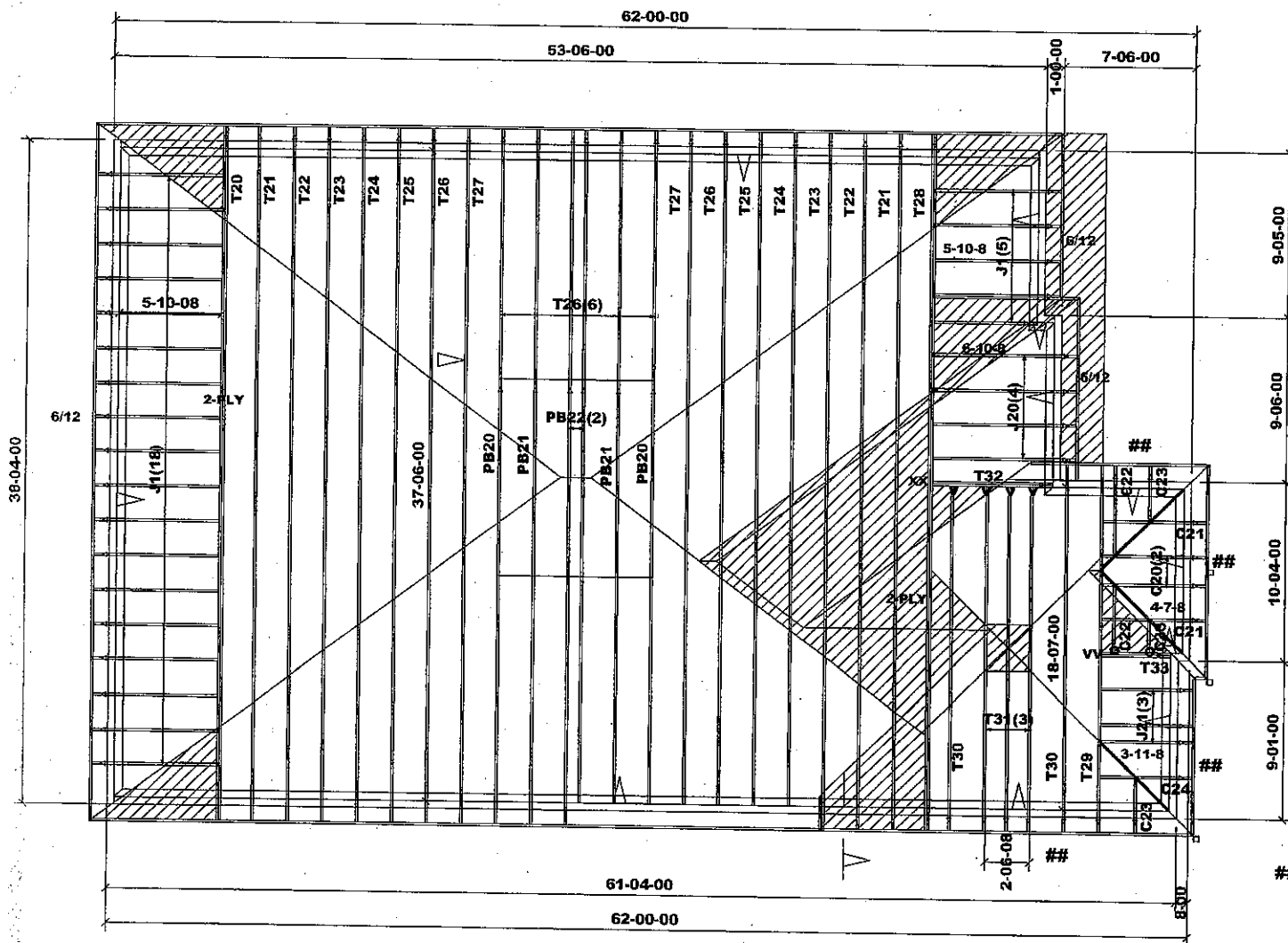
Job Track: **52166**
Plan Log: **204501**
Layout ID: **417535**

Builder / Location:
GREENPARK HOMES / HAMILTON
Project: **RUSSELL GARDENS PH.4**
Date: 2021-03-24 Sales: William Garcia Designer: JG

Model / Elevation:
1-STD OR OPT 5 BRM
SPRINGFIELD 4 / DECK, CONITION WITH REAR UPGR

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

Milek ver 8.4.2.286



8/12 ROOF PITCH UNLESS NOTED

ASPHALT SHINGLES
FINISHED OVERHANG: 12"
2x6 EXTERIOR WALLS
2x6 FASCIA BOARD
HEEL: R.T.M.C.

All conventional framing to conform with Part 9 of O.B.C. 2012 (2019 amendment). Roof rafters that cross over or meet trusses to be min. 2x4 SPF #2 @ 24" o/c with a vertical post to the truss at each cross point. Vertical posts longer than 6' to have lateral bracing so that the distance between the post end points and lateral bracing does not exceed 6'.

DESIGN CONFORMS WITH OBC 2012 (2019 amendment) OCCUPANCY: RESIDENTIAL | PART: 9
Ss = 31.35 psf | Sr = 8.4 psf

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

HARDWARE:
LUS24 - (O)
LJS26DS - (V)
HGUS26-2 - (XX)
LUS26-2 (VV)
H2.5T (I)

 **DENOTES:**
CONVENTIONAL
FRAMING

1-4-0 raised fascia

M13807



Job Track: **52166**

Plan Log: **204501**

Layout ID: **417536**

Builder / Location:

GREENPARK HOMES / HAMILTON

Project: **RUSSELL GARDENS PH.4**

Date: 2021-03-24

Sales:

William Garcia

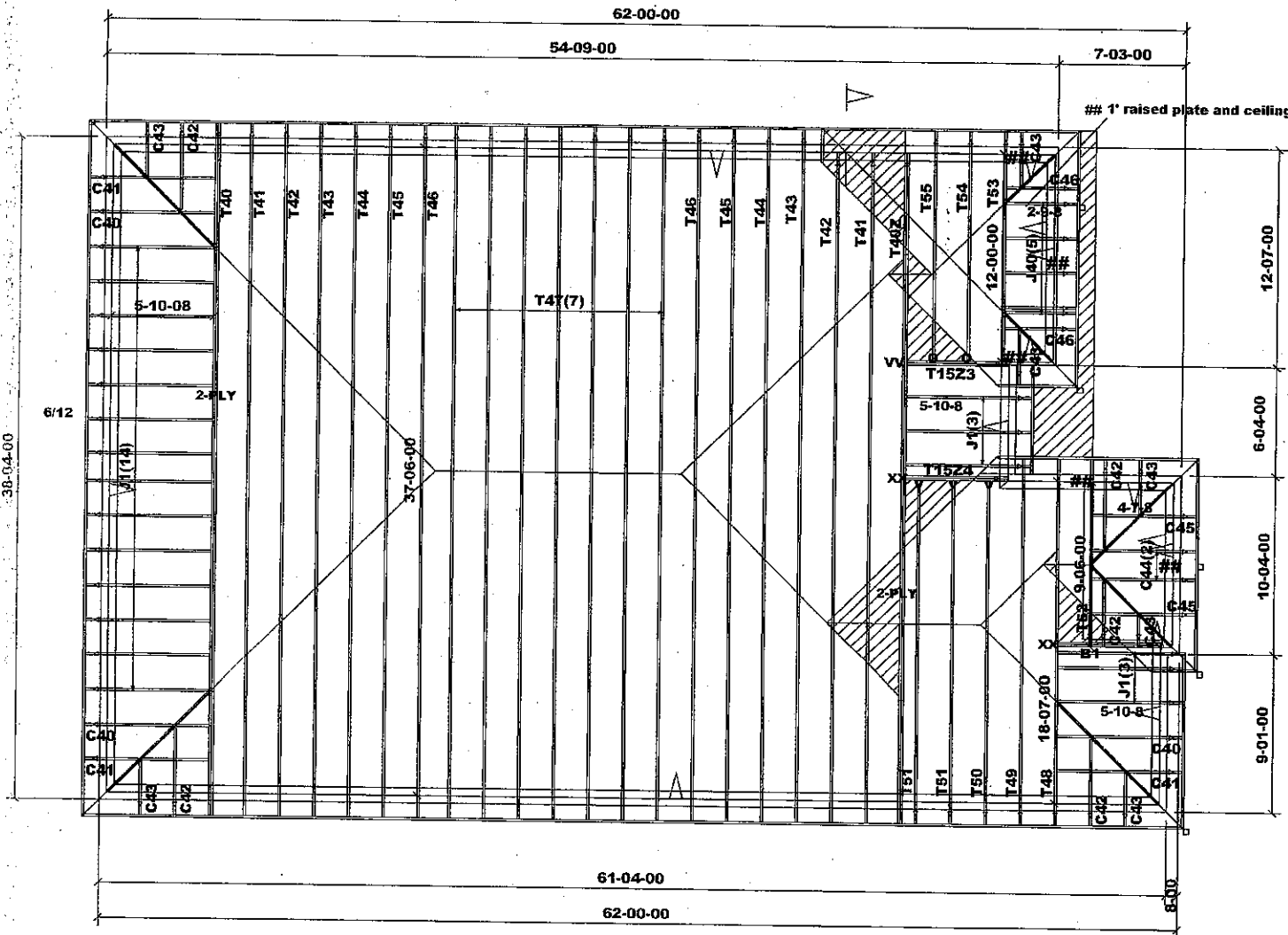
Designer: JG

Model / Elevation:

SPRINGFIELD 4 / 2-STD OR OPT.5 BRM

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

Milek ver 8.4.2.288



6/12 ROOF PITCH UNLESS NOTED

ASPHALT SHINGLES
FINISHED OVERHANG: 12"
2x6 EXTERIOR WALLS
2x6 FASCIA BOARD
HEEL: R.T.M.C.

All conventional framing to conform with Part 9 of O.B.C. 2012 (2019 amendment). Roof rafters that cross over or meet trusses to be min. 2x4 SPF #2 @ 24" o/c with a vertical post to the truss at each cross point. Vertical posts longer than 6' to have lateral bracing so that the distance between the post end points and lateral bracing does not exceed 6'.

DESIGN CONFORMS WITH OBC 2012 (2019 amendment) OCCUPANCY: RESIDENTIAL | PART: 9
Ss = 31.35 psf | Sr = 8.4 psf

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

HARDWARE:
LUS24 - (O)
LJS28DS - (V)
HGUS26-2 - (XX)
LUS26-2 (VV)
H2.5T (I)

BEAMS:
B1 = 2 - 2x10 SPF #2

build up to reach 1' in height on B1

 DENOTES: CONVENTIONAL FRAMING



Job Track: **52166**

Plan Log: **204501**

Layout ID: **417537**

Builder / Location:

GREENPARK HOMES / HAMILTON

Project: **RUSSELL GARDENS PH.4**

Date: **2021-03-24**

Sales:

William Garcia

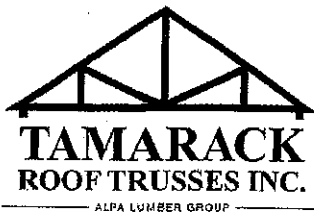
Designer: JG

Model / Elevation:

SPRINGFIELD 4 / 3-STD.OR OPT.5 BRM

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

Mitek ver 8.4.2.286



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREENPARK HOMES
 Project: RUSSELL GARDENS PH.4
 Location: HAMILTON
 Model: SPRINGFIELD 4
 Lot #:
 Elevation: 1-STD OR OPT.5 BRM

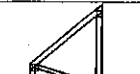
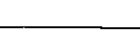
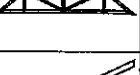
Job Track: 52166
 PlanLog: 204501
 Layout ID: 417535
 Ref #
 Page: 1 of 3
 Date: 03-24-2021
 Designer:
 Sales Rep: William Garcia

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 Hip Girder	10/12	37-06-00	4-01-04	2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	426.46 260.00		
	1 2-ply	T1Z Hip Girder	10/12	37-06-00	4-01-04	2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	426.46 260.00		
	2	T2 Hip	10/12	37-06-00	5-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	365.79 223.33		
	2	T3 Hip	10/12	37-06-00	6-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	373.56 232.00		
	2	T4 Hip	10/12	37-06-00	7-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	384.69 237.67		
	2	T5 Hip	10/12	37-06-00	8-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	409.05 257.33		
	2	T6 Hip	10/12	37-06-00	9-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	426.02 262.00		
	7	T7 Hip	10/12	37-06-00	10-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	1546.66 954.33		
	2	T8 Hip	10/12	37-06-00	11-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	452.62 273.33		
	1	T9 Hip Girder	10/12	18-07-00	4-10-07	2 x 4 2 x 6	1-03-08 1-03-08	1-07-11 1-07-11	92.42 58.17		
	1	T10 Hip	10/12	18-07-00	6-06-07	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	83.59 52.33		
	1	T11 Hip	10/12	18-07-00	8-02-07	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	92.47 58.67		
	3	T12 Common	10/12	18-07-00	9-04-09	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	270.15 176.00		
	3	T13 Common	10/12	12-00-00	6-07-11	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	174.27 111.00		

 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	DELIVERY SHIPLIST					
	Lumber Yard:	TAMARACK LUMBER			Job Track:	52166
	Builder:	GREENPARK HOMES			PlanLog:	204501
	Project:	RUSSELL GARDENS PH.4			Layout ID:	417535
	Location:	HAMILTON			Ref #	
	Model:	SPRINGFIELD 4			Page:	2 of 3
Lot #:				Date:	03-24-2021	
Elevation:	1-STD OR OPT.5 BRM			Designer:		
				Sales Rep:	William Garcia	

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	G13 GABLE	10 / 12	12-00-00	6-07-11	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	58.36 38.00		
	2	T14 Common	10 / 12	9-06-00	5-07-03	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	86.91 57.67		
	1	G14 GABLE	10 / 12	9-06-00	5-07-03	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	45.86 30.83		
	1 2-ply	T15 Jack-Closed Girder	6 / 12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	57.64 37.00		
	1 2-ply	T15Z Jack-Closed Girder	6 / 12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	57.64 37.00		
	1 2-ply	T16 Jack-Closed Girder	10 / 12	3-10-08	4-10-07	2 x 4 2 x 6		1-07-11 4-10-07	43.14 29.33		
	2	PB1 Piggyback	10 / 12	17-02-03	2-00-00	2 x 4			104.51 69.33		
	3	PB2 Piggyback	10 / 12	17-02-03	3-00-00	2 x 4			162.63 103.50		
	21	J1 Jack-Open	6 / 12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	352.68 224.00		
	3	J2 Jack-Open	10 / 12	3-10-08	4-10-07	2 x 4	1-03-08	1-07-11 4-10-07	45.67 29.00		
	1	C1 Jack-Open	10 / 12	1-09-07	3-01-09	2 x 4	1-03-08 2-01-01	1-07-11 3-01-09	12.02 8.33		
	1	C2 Jack-Open	10 / 12	1-09-07	3-01-09	2 x 4	1-03-08 1-01	1-07-11 3-01-09	9.74 7.00		

TOTAL # TRUSS= 73

TOTAL BFT OF ALL TRUSSES= 4086.15

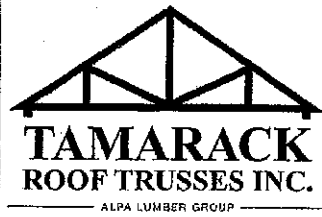
BFT.

TOTAL WEIGHT OF ALL TRSSES 6550

LBS

HARDWARE

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



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
Builder: GREENPARK HOMES
Project: RUSSELL GARDENS PH.4
Location: HAMILTON
Model: SPRINGFIELD 4
Lot #:
Elevation: 1 -STD OR OPT.5 BRM

Job Track: 52166
PlanLog: 204501
Layout ID: 417535
Ref #
Page: 3 of 3
Date: 03-24-2021
Designer:
Sales Rep: William Garcia

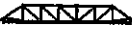
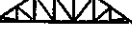
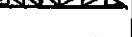
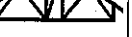
HARDWARE

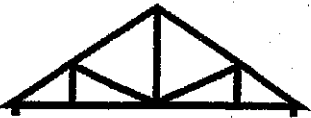
QTY	TYPE	MODEL	LENGTH
4	Hardware	LUS24	
1	Hardware	LUS26-2	

TOTAL NUMBER OF ITEMS= 10

 TAMARACK ROOF TRUSSES INC. ALPHA LUMBER GROUP	DELIVERY SHIPLIST							
	Lumber Yard: TAMARACK LUMBER						Job Track: 52166	
	Builder: GREENPARK HOMES						PlanLog: 204501	
	Project: RUSSELL GARDENS PH.4						Layout ID: 417536	
	Location: HAMILTON						Ref #	
	Model: SPRINGFIELD 4						Page: 1 of 2	
Lot #:						Date: 03-24-2021		
Elevation: 2 -STD OR OPT.5 BRM						Designer:		
						Sales Rep: William Garcia		

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	T20 Hip Girder	8 /12	37-06-00	4-01-06	2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	416.04 248.00		
	2	T21 Hip	8 /12	37-06-00	5-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	353.02 217.00		
	2	T22 Hip	8 /12	37-06-00	6-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	363.78 223.33		
	2	T23 Hip	8 /12	37-06-00	7-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	370.21 228.67		
	2	T24 Hip	8 /12	37-06-00	8-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	385.48 237.33		
	2	T25 Hip	8 /12	37-06-00	9-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	391.16 237.00		
	8	T26 Hip	8 /12	37-06-00	10-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	1616.99 989.33		
	2	T27 Hip	8 /12	37-06-00	11-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	438.75 287.33		
	1 2-ply	T28 Roof Special Girder	8 /12	37-06-00	4-07-06	2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	440.65 288.67		
	1	T29 Roof Special Girder	8 /12	18-07-00	5-09-13	2 x 4 2 x 6	1-03-08 1-03-08	2-08-13 2-08-13	98.74 62.83		
	2	T30 Hip	8 /12	18-07-00	6-08-08	2 x 4	1-03-08 1-03-08	2-08-13 2-08-13	170.9 108.67		
	3	T31 Hip	8 /12	18-07-00	8-00-08	2 x 4	1-03-08 1-03-08	2-08-13 2-08-13	280.91 182.00		
	1 2-ply	T32 Jack-Closed Girder	6 /12	6-10-08	4-07-04	2 x 4 2 x 6		1-02-00 4-07-04	67.02 42.33		
	1 2-ply	T33 Jack-Closed Girder	8 /12	3-11-08	5-04-08	2 x 4 2 x 6		2-08-13 5-04-08	47.22 29.33		

 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	DELIVERY SHIPLIST				
	Lumber Yard:	TAMARACK LUMBER		Job Track:	52166
	Builder:	GREENPARK HOMES		PlanLog:	204501
	Project:	RUSSELL GARDENS PH.4		Layout ID:	417536
	Location:	HAMILTON		Ref #	
	Model:	SPRINGFIELD 4		Page:	2 of 2
Lot #:			Date:	03-24-2021	
Elevation:	2 -STD OR OPT.5 BRM		Designer:		
			Sales Rep:	William Garcia	

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2	PB20 Piggyback	8 /12	11-04-11	2-00-00	2 x 4			63.68 42.00		
	2	PB21 Piggyback	8 /12	11-04-11	3-00-00	2 x 4			64.87 43.33		
	2	PB22 Piggyback	8 /12	11-04-11	3-09-09	2 x 4			58.55 36.00		
	23	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	386.27 246.33		
	4	J20 Jack-Open	6 /12	6-10-08	4-07-04	2 x 4	1-03-08	1-02-00 4-07-04	101.35 66.00		
	3	J21 Jack-Open	8 /12	3-11-08	5-04-08	2 x 4	1-03-08	2-08-13 5-04-08	50.09 32.50		
	2	C20 Jack-Open	8 /12	3-09-07	5-03-02	2 x 4	1-03-08 10-01	2-08-13 5-03-02	34.45 23.00		
	2	C21 Jack-Open	8 /12	1-09-07	3-11-02	2 x 4	1-03-08 2-10-01	2-08-13 3-11-02	28.84 19.00		
	2	C22 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	28.11 19.00		
	3	C23 Jack-Open	8 /12	1-10-08	3-11-02	2 x 4		2-08-13 3-11-13	28.63 20.50		
	1	C24 Jack-Open	8 /12	1-09-07	3-11-02	2 x 4	1-03-08 2-02-01	2-08-13 3-11-02	13.66 8.83		

TOTAL # TRUSS= 80

TOTAL BFT OF ALL TRUSSES= 3897.31

BFT.

TOTAL WEIGHT OF ALL TRSSES 6299.37 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
1	Hardware	HGUS26-2	
4	Hardware	LJS26DS	
2	Hardware	LUS24	
1	Hardware	LUS26-2	

TOTAL NUMBER OF ITEMS= 8



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREENPARK HOMES
 Project: RUSSELL GARDENS PH.4
 Location: HAMILTON
 Model: SPRINGFIELD 4
 Lot #:
 Elevation: 3-STD.OR OPT.5 BRM

Job Track: 52166
 PlanLog: 204501
 Layout ID: 417537
 Ref #
 Page: 1 of 3
 Date: 03-24-2021
 Designer:
 Sales Rep: William Garcia

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	T1523 Jack-Closed Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	57.64 37.00		
	1 2-ply	T1524 Jack-Closed Girder	6 /12	5-10-08	4-01-04	2 x 4 2 x 6		1-02-00 4-01-04	57.64 37.00		
	1 2-ply	T40 Hip Girder	6 /12	37-06-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	361.1 218.67		
	1 2-ply	T40Z Hip Girder	6 /12	37-06-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	361.1 218.67		
	2	T41 Hip	6 /12	37-06-00	5-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	350.04 215.00		
	2	T42 Hip	6 /12	37-06-00	6-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	352.28 214.67		
	2	T43 Hip	6 /12	37-06-00	7-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	349.77 213.67		
	2	T44 Hip	6 /12	37-06-00	8-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	362.67 221.33		
	2	T45 Hip	6 /12	37-06-00	9-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	368.85 225.33		
	2	T46 Hip	6 /12	37-06-00	10-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	387.35 237.33		
	7	T47 Common	6 /12	37-06-00	10-06-08	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	1340.43 809.67		
	1	T48 Hip Girder	6 /12	18-07-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 2-02-00	87.76 56.33		
	1	T49 Hip	6 /12	18-07-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 2-02-00	75.33 47.83		
	1	T50 Hip	6 /12	18-07-00	6-01-04	2 x 4	1-03-08	1-02-00 2-02-00	78.18 49.50		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREENPARK HOMES
 Project: RUSSELL GARDENS PH.4
 Location: HAMILTON
 Model: SPRINGFIELD 4
 Lot #:
 Elevation: 3-STD.OR OPT.5 BRM

Job Track: 52166
 PlanLog: 204501
 Layout ID: 417537
 Ref #
 Page: 2 of 3
 Date: 03-24-2021
 Designer:
 Sales Rep: William Garcia

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2	T51 Common	6/12	18-07-00	6-03-12	2 x 4	1-03-08	1-02-00 2-02-00	151.29 96.33		
	1	T52 Hip Girder	6/12	9-06-00	3-05-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	37.65 23.83		
	1	T53 Hip Girder	6/12	12-00-00	2-06-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	48.1 30.67		
	1	T54 Hip	6/12	12-00-00	4-06-12	2 x 4	1-03-08	2-02-00 2-02-00	52.44 32.83		
	1	T55 Hip	6/12	12-00-00	4-08-08	2 x 4	1-03-08	2-02-00 2-02-00	53.13 34.83		
	20	J1 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	335.89 213.33		
	5	J40 Jack-Open	6/12	2-09-08	2-06-12	2 x 4	1-03-08	1-02-00 2-06-12	46.74 30.00		
	3	C40 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	42.4 26.00		
	3	C41 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	34.75 22.00		
	5	C42 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		
	7	C43 Jack-Open	6/12	1-09-07	2-00-12	2 x 4	1-03-08 1-01	1-02-00 2-00-12	49.15 32.67		
	2	C44 Jack-Open	6/12	3-09-07	3-00-12	2 x 4	1-03-08 10-01	1-02-00 3-00-12	25.41 16.00		
	2	C45 Jack-Open	6/12	1-09-07	2-00-12	2 x 4	1-03-08 2-10-01	1-02-00 2-00-12	20.31 13.33		
	2	C46 Jack-Open	6/12	1-09-07	2-00-12	2 x 4	1-03-08 1-00-01	1-02-00 2-00-12	16.13 10.67		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREENPARK HOMES
 Project: RUSSELL GARDENS PH.4
 Location: HAMILTON
 Model: SPRINGFIELD 4
 Lot #:
 Elevation: 3-STD.OR OPT.5 BRM

Job Track: 52166
 PlanLog: 204501
 Layout ID: 417537
 Ref #
 Page: 3 of 3
 Date: 03-24-2021
 Designer:
 Sales Rep: William Garcia

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
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TOTAL # TRUSS= 85

TOTAL BFT OF ALL TRUSSES= 3414.49

BFT.

TOTAL WEIGHT OF ALL TRSSES 5551.37 LBS

HARDWARE

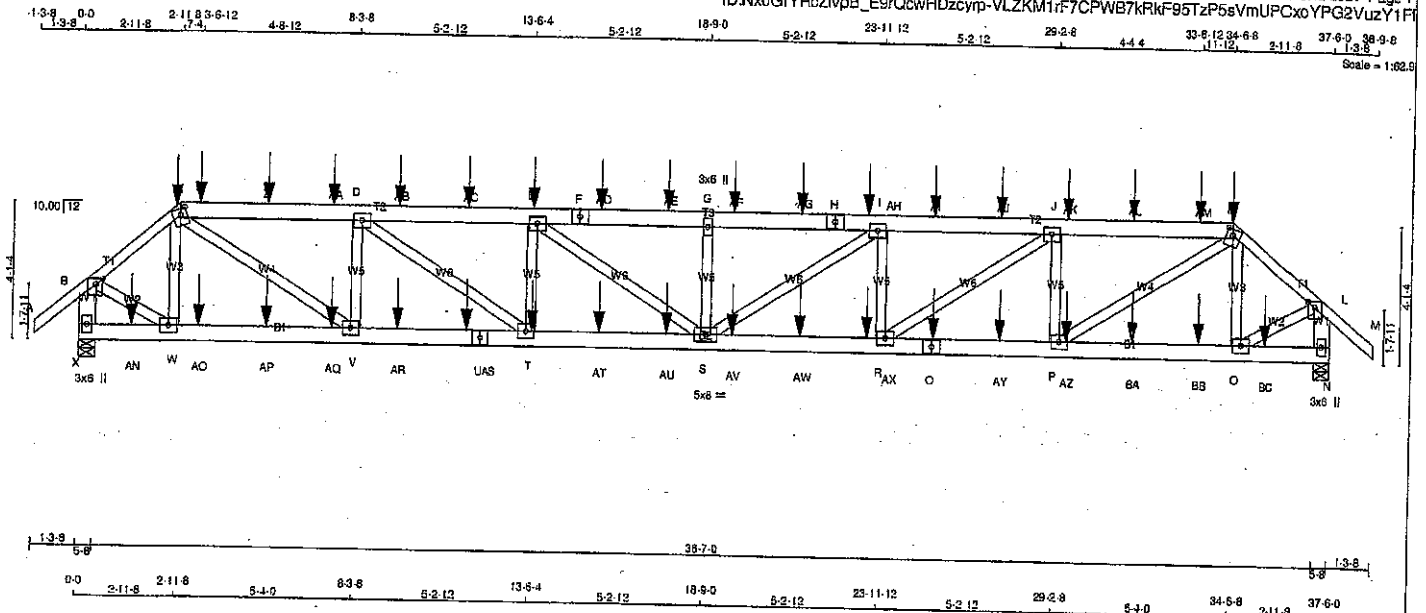
QTY	TYPE	MODEL	LENGTH
2	Hardware	HGUS26-2	
3	Hardware	LJS26DS	
2	Hardware	LUS24	
1	Hardware	LUS26-2	

TOTAL NUMBER OF ITEMS= 8

JOB NAME 417535	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:12 2021 Page 1
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TOTAL WEIGHT = 2 X 213 = 426 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES					
A - C	2x4	DRY	No.2	SPF	
C - F	2x6	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
H - K	2x6	DRY	No.2	SPF	
K - M	2x6	DRY	No.2	SPF	
X - B	2x6	DRY	No.2	SPF	
N - L	2x6	DRY	No.2	SPF	
X - U	2x6	DRY	No.2	SPF	
U - Q	2x6	DRY	No.2	SPF	
Q - N	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(81.0)
K-M	12	SIDE(81.0)
C-F	12	SIDE(183.1)
F-H	12	SIDE(0.0)
H-K	12	SIDE(183.1)
X-B	12	TOP
N-L	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
X-U	12	SIDE(0.0)
U-Q	12	SIDE(183.1)
Q-N	12	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	UP		
X	3568	0	3568	0	5-8	5-8
N	3532	0	3532	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
X	2522	1662.0	0.0	0.0	0.0	880.0	0.0
N	2496	1644.0	0.0	0.0	0.0	852.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.95 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				WEBS					
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORZ. LOAD (CSI (LC))	MAX. UNBRACED LENGTH (FR-TO)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (CSI (LC))		
FR-TO		FROM	TO		FR-TO				
A-B	0.41	-91.8	-91.8	0.07 (1)	10.00	W-C	-355.0 / 0.06 (1)		
B-C	-3397.0	-91.8	-91.8	0.12 (1)	4.97	C-V	0.4284 / 0.38 (1)		
C-Y	-6170.0	-91.8	-91.8	0.22 (1)	4.61	V-D	-2261.0 / 0.19 (1)		
Y-Z	-6170.0	-91.8	-91.8	0.22 (1)	4.61	D-T	0.2398 / 0.21 (1)		
Z-AA	-6170.0	-91.8	-91.8	0.22 (1)	4.61	T-E	-1205.0 / 0.10 (1)		
AA-D	-6170.0	-91.8	-91.8	0.22 (1)	4.61	E-S	0.810 / 0.07 (1)		
D-AB	-6137.0	-91.8	-91.8	0.26 (1)	4.08	S-G	-775.0 / 0.07 (1)		
AB-AC	-6137.0	-91.8	-91.8	0.26 (1)	4.08	G-I	0.822 / 0.07 (1)		
AC-E	-6137.0	-91.8	-91.8	0.26 (1)	4.08	I-L	-1212.0 / 0.10 (1)		
E-F	-6801.0	-91.8	-91.8	0.25 (1)	3.96	R-J	0.2411 / 0.21 (1)		
F-AD	-6801.0	-91.8	-91.8	0.25 (1)	3.95	P-J	-2268.0 / 0.19 (1)		
AD-AE	-6801.0	-91.8	-91.8	0.25 (1)	3.96	P-K	0.4272 / 0.38 (1)		
AE-G	-6801.0	-91.8	-91.8	0.25 (1)	3.96	O-K	-945.0 / 0.08 (1)		
G-AF	-6801.0	-91.8	-91.8	0.25 (1)	3.95	B-W	0.2854 / 0.25 (1)		
AF-AG	-6801.0	-91.8	-91.8	0.25 (1)	3.95	O-L	0.2825 / 0.25 (1)		
AG-H	-6801.0	-91.8	-91.8	0.25 (1)	3.95				
H-AH	-6801.0	-91.8	-91.8	0.25 (1)	3.95				
AH-I	-6801.0	-91.8	-91.8	0.25 (1)	3.95				
I-AI	-6127.0	-91.8	-91.8	0.25 (1)	4.09				
AI-AJ	-6127.0	-91.8	-91.8	0.25 (1)	4.09				
AJ-J	-6127.0	-91.8	-91.8	0.25 (1)	4.09				
J-AK	-6150.0	-91.8	-91.8	0.21 (1)	4.63				
AK-AL	-6150.0	-91.8	-91.8	0.21 (1)	4.63				
AL-AM	-6150.0	-91.8	-91.8	0.21 (1)	4.63				
AM-K	-6150.0	-91.8	-91.8	0.21 (1)	4.63				
K-L	-3383.0	-91.8	-91.8	0.12 (1)	5.00				
L-M	0.41	-91.8	-91.8	0.07 (1)	10.00				
X-B	-3562.0	0.0	0.0	0.13 (1)	7.43				
N-L	-3529.0	0.0	0.0	0.13 (1)	7.45				
X-AN	0.0	-18.5	-18.5	0.04 (4)	10.00				
AN-W	0.0	-18.5	-18.5	0.04 (4)	10.00				
W-AO	0.2856	-18.5	-18.5	0.21 (1)	10.00				
AO-AP	0.2856	-18.5	-18.5	0.21 (1)	10.00				
AP-AQ	0.2856	-18.5	-18.5	0.21 (1)	10.00				
AQ-V	0.2568	-18.5	-18.5	0.21 (1)	10.00				
V-AR	0.6170	-18.5	-18.5	0.45 (1)	10.00				
AR-AS	0.6170	-18.5	-18.5	0.45 (1)	10.00				
AS-U	0.6170	-18.5	-18.5	0.45 (1)	10.00				
U-T	0.6170	-18.5	-18.5	0.45 (1)	10.00				
T-AT	0.8137	-18.5	-18.5	0.58 (1)	10.00				
AT-AU	0.8137	-18.5	-18.5	0.58 (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. O/C

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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, ABC 2018
- 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 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.22")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.41")

CSI: TC=0.28/1.00 (G-I), BC=0.58/1.00 (R-S), WB=0.38/1.00 (K-P), SSI=0.16/1.00 (J-K), COMP=1.00 SHEAR=1.00 TENS=1.00

DOL LUMBER=1.00 NAIL=1.00 LS BEND=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.

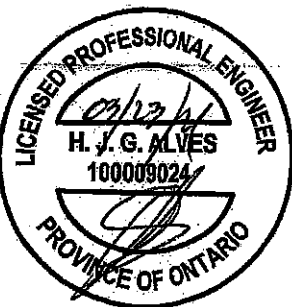
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (C) (INPUT = 0.90)
JSI METAL = 0.57 (U) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2108621

JOB NAME 417535	TRUSS NAME T1	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. Tue Mar 23 15:10:12 2021 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.25
C	TTWW+m	MT20	5.0	6.0	2.25	2.25
D, E, I, J						
D	TMVW-i	MT20	5.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMVW+w	MT20	3.0	6.0		
H	TS-t	MT20	5.0	6.0		
K	TTWW+m	MT20	5.0	6.0	2.25	2.25
L	TMVW+p	MT20	5.0	6.0	2.00	2.25
N	BMV1+p	MT20	3.0	6.0		
O, P, R, T, V, W						
O	BMVW-i	MT20	5.0	6.0		
Q	BS-t	MT20	5.0	6.0		
S	BMVW-w	MT20	5.0	6.0		
U	BS-t	MT20	5.0	6.0		
X	BMV1+p	MT20	3.0	6.0		

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

LOADING
TOTAL LOAD CASES: (4)

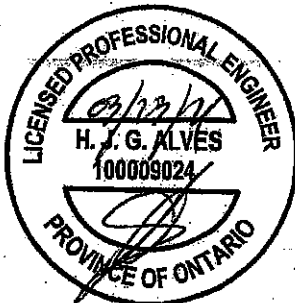
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VER. LOAD (PLF)	LC1 MAX. CSI (LC)	UNBRAC. LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO					
AL-S	0/8137	-18.5	-18.5	0.58 (1)	10.00		
S-AV	0/8127	-18.5	-18.5	0.58 (1)	10.00		
AV-AW	0/8127	-18.5	-18.5	0.58 (1)	10.00		
AW-AX	0/8127	-18.5	-18.5	0.58 (1)	10.00		
AX-R	0/8127	-18.5	-18.5	0.58 (1)	10.00		
R-Q	0/8150	-18.5	-18.5	0.45 (1)	10.00		
Q-AY	0/8150	-18.5	-18.5	0.45 (1)	10.00		
AY-P	0/8150	-18.5	-18.5	0.45 (1)	10.00		
P-AZ	0/2629	-18.5	-18.5	0.20 (1)	10.00		
AZ-BA	0/2629	-18.5	-18.5	0.20 (1)	10.00		
BA-BB	0/2629	-18.5	-18.5	0.20 (1)	10.00		
BB-O	0/2629	-18.5	-18.5	0.20 (1)	10.00		
O-BC	0/0	-18.5	-18.5	0.04 (4)	10.00		
BC-N	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	2-11-8	-30	-30	---	FRONT	VERT	DEAD	---	C1
C	2-11-8	-125	-125	---	FRONT	VERT	SNOW	---	C1
E	13-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
K	34-6-8	-30	-30	---	FRONT	VERT	DEAD	---	C1
K	34-6-8	-125	-125	---	FRONT	VERT	SNOW	---	C1
Q	25-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
T	13-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
Y	3-6-12	-89	-89	---	FRONT	VERT	TOTAL	---	C1
Z	6-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AA	7-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AB	9-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AC	11-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AD	15-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AE	17-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AF	19-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AG	21-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AH	23-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AI	25-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AJ	27-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AK	29-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AL	31-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AM	33-6-12	-77	-77	---	FRONT	VERT	TOTAL	---	C1
AN	1-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AO	3-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AP	5-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AQ	7-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AR	9-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AS	11-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AT	15-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AU	17-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AV	19-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AW	21-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AX	23-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AY	27-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AZ	29-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
BA	31-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
BB	33-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
BC	35-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1

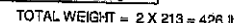
CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2108621

Tamarack Roof Truss, Burlington



DRY; SEASONED LUMBER.

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

BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS

X-U	2	12
U-Q	2	12
Q-N	2	12

G-S	1	5
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.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE USED

BUILDING

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQ'D BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
X	4219	0	4219	0	0	5-8	5-8
N	3760	0	3760	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOSE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
X	2974	2007 0	0 0	0 0	0 0	967 0	0 0
N	2651	1784 0	0 0	0 0	0 0	867 0	0 0

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

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				WEBS				
MAX. FACTORED		FACTORED		MAX. FACTORED				
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
A-B	0 / 41	-91.8	-91.8	0.07 (1)	10.00	W-C	-1315 / 0	0.12 (1)
B-C	-4046 / 0	-91.8	-91.8	0.14 (1)	4.62	C-V	0 / 6297	0.56 (1)
D-C	-8931 / 0	-91.8	-91.8	0.23 (1)	4.06	V-D	-3134 / 0	0.27 (1)
D-E	-12082 / 0	-91.8	-91.8	0.34 (1)	3.37	D-T	0 / 4537	0.40 (1)
Y-F	-13309 / 0	-91.8	-91.8	0.50 (1)	3.08	T-E	-1513 / 0	0.13 (1)
F-Z	-13309 / 0	-91.8	-91.8	0.39 (1)	3.08	E-S	0 / 1496	0.13 (1)
Z-AA	-13309 / 0	-91.8	-91.8	0.50 (1)	3.08	S-G	-837 / 0	0.05 (1)
AA-G	-13309 / 0	-91.8	-91.8	0.50 (1)	3.08	G-I	0 / 3158	0.28 (1)
G-H	-13309 / 0	-91.8	-91.8	0.42 (1)	3.16	I-J	-2261 / 0	0.19 (1)
H-I	-13309 / 0	-91.8	-91.8	0.42 (1)	3.16	J-P	0 / 4225	0.37 (1)
I-J	-10754 / 0	-91.8	-91.8	0.29 (1)	3.61	P-K	-2981 / 0	0.25 (1)
J-K	-7254 / 0	-91.8	-91.8	0.19 (1)	4.35	O-K	0 / 5379	0.48 (1)
K-L	-3804 / 0	-91.8	-91.8	0.12 (1)	4.85	B-W	-1072 / 0	0.09 (1)
L-M	0 / 47	-91.8	-91.8	0.07 (1)	10.00	C-L	0 / 3399	0.30 (1)
X-B	-4193 / 0	0.0	0.0	0.15 (1)	8.97		0 / 3028	0.27 (1)
N-L	-3764 / 0	0.0	0.0	0.14 (1)	6.27			

K-W	0 0	-18.5	-18.5	0.02 (4)	10.00
N-V	0 3171	-18.5	-18.5	0.89 (1)	10.00
W-U	0 8360	-18.5	-18.5	0.28 (1)	10.00
J-T	0 8360	-18.5	-18.5	0.88 (1)	10.00
A-B	0 12092	-18.5	-18.5	-0.93 (1)	10.00
I-BAC	0 12092	-18.5	-18.5	0.93 (1)	10.00
C-AD	0 12092	-18.5	-18.5	0.93 (1)	10.00
D-S	0 12092	-18.5	-18.5	0.83 (1)	10.00
R-Q	0 10719	-18.5	-18.5	0.80 (1)	10.00
A-Q	0 7233	-18.5	-18.5	0.51 (1)	10.00
Q-P	0 7233	-18.5	-18.5	0.51 (1)	10.00
L-O	0 2820	-18.5	-18.5	0.21 (1)	10.00
N-O	0 0	-18.5	-18.5	0.03 (1)	10.00

PEGIFIED CONCENTRATED LOADS (LBS)									
T	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
	13-9-8	-1457	-1457	---	BACK	VERT	TOTAL	---	C1
	12-1-8	-778	-778	---	BACK	VERT	TOTAL	---	C1
	14-0-12	-76	-76	---	BACK	VERT	TOTAL	---	C1
	16-0-12	-76	-76	---	BACK	VERT	TOTAL	---	C1
	18-0-12	-76	-76	---	BACK	VERT	TOTAL	---	C1
A	14-0-12	-21	-21	---	BACK	VERT	TOTAL	---	C1
B	15-0-12	-21	-21	---	BACK	VERT	TOTAL	---	C1
C	18-0-12	-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 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) = $L/360$ (1.25")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.33")
ALLOWABLE DEFL.(TL) = $L/360$ (1.25")
CALCULATED VERT. DEFL.(TL) = $L/761$ (0.59")

CSI: TC=0.50/1.00 (E-G:1), BC=0.93/1.00 (S-T:1),
WB=0.56/1.00 (C-V:1), SS=0.29/1.00 (T-V: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					
	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 (V) (INPUT = 0.90)
JSI METAL= 0.92 (U) (INPUT = 1.00)



Structural component only
DWG# T-2108622 *///*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417535	T1Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:13 2021 Page 2
ID:Nx0GIYRcZlp8 E9rQcwHDzcyrp-zX7IZNsluWXNpHJdlzgK0AxDw1L8cOxm3?b1LzY1Fe

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.25
C	TTWW+m	MT20	6.0	9.0	Edge	
D	TMVW-t	MT20	5.0	6.0	2.50	2.75
E	TMVW-t	MT20	5.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMVW-w	MT20	3.0	6.0		
H	TS-t	MT20	5.0	6.0		
I	TMVW-t	MT20	5.0	6.0		
J	TMVW-t	MT20	5.0	6.0	2.50	2.75
K	TTWW+m	MT20	6.0	9.0	Edge	
L	TMVW+p	MT20	5.0	6.0	2.00	2.25
N	BMV1+p	MT20	3.0	6.0		
O	BMVW-t	MT20	5.0	6.0		
P	BMVW-t	MT20	5.0	6.0	2.50	2.00
Q	BS-t	MT20	6.0	9.0		
R	BMVW-t	MT20	5.0	6.0	2.50	2.75
S	BMVW-t	MT20	7.0	6.0	4.00	4.00
T	BMVW-t	MT20	5.0	6.0	2.50	2.75
U	BS-t	MT20	6.0	9.0		
V	BMVW-t	MT20	5.0	6.0	2.50	2.00
W	BMVW-t	MT20	5.0	6.0		
X	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.

CONNECTION REQUIREMENTS

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

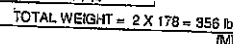


Structural component only
DWG# T-2108622 *me*

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:14 2021 Page 1

ID:Nx0GIYRcZvpB_E9rQcwHDzcyp-Rjh5n7VipEQRuprgBZZOU5J7dt4w4?jB8ZnzY1Fd

21-7-12	5-9-9	27-5-5	5-10-13	33-4-2	4-1-14	37-5-9	38-9-8
						Scale	1-62-8



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

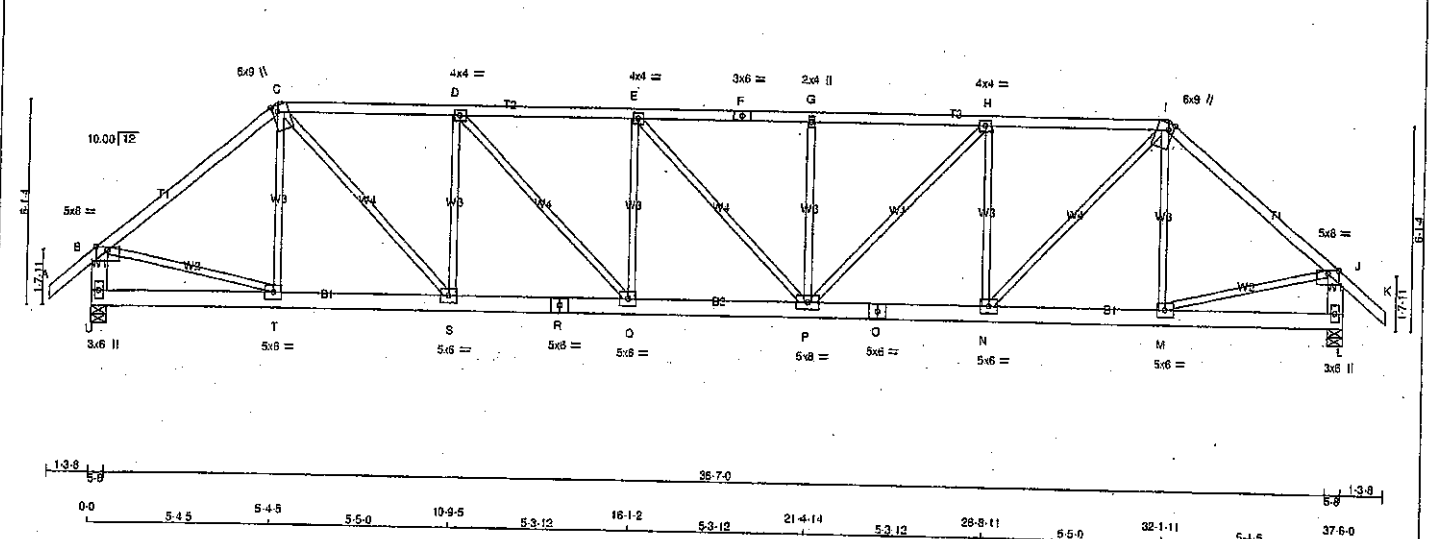
U-T	0 0	-18.5	-18.5	0.06 (4)	10.00
T-S	0 163B	-18.5	-18.5	0.23 (7)	10.00
S-R	0 328A	-18.5	-18.5	0.44 (1)	10.00
R-Q	0 328A	-18.5	-18.5	0.44 (1)	10.00
Q-P	0 3049	-18.5	-18.5	0.54 (1)	10.00
P-O	0 3286	-18.5	-18.5	0.45 (1)	10.00
O-N	0 3286	-18.5	-18.5	0.45 (1)	10.00
N-M	0 163B	-18.5	-18.5	0.23 (1)	10.00
M-L	0 0	-18.5	-18.5	0.06 (4)	10.00

SI GR/P= 0.89 (N) (INPUT = 0.90)
SI METAL= 0.63 (O) (INPUT = 1.00)



JOB NAME 417535	TRUSS NAME T3	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 Mar 23 15:10:15 2021 Page 1
 ID:Nx0GfYRcZlvpB_E9rQcwHDzoyrp-vwET_3t7Q7n52bT0P0j05b1WjlrKcV3EENUj6DzY1Fc
 Scale = 1:82.9



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
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		
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
 DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A - C	TMVW-p	MT20	5.0	8.0	Edge	1.75
C - F	TTWW+m	MT20	6.0	9.0	Edge	1.75
F - I	TMVW-t	MT20	4.0	4.0		
I - K	TS-t	MT20	3.0	6.0		
U - B	TMVW+m	MT20	2.0	4.0		
L - J	TTWW+m	MT20	6.0	9.0	Edge	1.75
U - R	TMVW-p	MT20	5.0	8.0	Edge	
R - O	BMV1+p	MT20	3.0	6.0		
O - L	M, N, C, S, T	MT20	5.0	8.0		
	O BS-t	MT20	5.0	8.0		
	P BMVW-w	MT20	5.0	8.0		
	R BS-t	MT20	5.0	8.0		
	U 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.

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

BEARINGS	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	DOWN	GROSS REACTION	HORIZ		
JT	VERT	HORIZ	DOWN	HORIZ	BRG	BRG
U	2194	0	2194	0	5-8	5-8
L	2194	0	2194	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOOSE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
JT	1549	1030	0	0	0	0
U	1549	1030	0	0	0	0
L	1549	1030	0	0	0	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS, U, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.23 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 (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO				FR-TO			
A-B	0.41	-91.8	-91.8 0.13 (1)	10.00	T-C	-257.0	0.14 (1)
B-C	-2189.0	-91.8	-91.8 0.67 (1)	3.94	C-S	0.1666	0.37 (1)
C-D	-2819.0	-91.8	-91.8 0.57 (1)	3.62	S-D	-1118.0	0.61 (1)
D-E	-3350.0	-91.8	-91.8 0.63 (1)	3.29	D-Q	0.780	0.18 (1)
E-F	-3344.0	-91.8	-91.8 0.51 (1)	3.45	Q-E	-469.0	0.28 (1)
F-G	-3344.0	-91.8	-91.8 0.51 (1)	3.45	E-P	-9.0	0.01 (1)
G-H	-3344.0	-91.8	-91.8 0.63 (1)	3.29	P-G	-471.0	0.28 (1)
H-I	-2820.0	-91.8	-91.8 0.57 (1)	3.61	P-H	0.769	0.17 (1)
I-J	-2189.0	-91.8	-91.8 0.67 (1)	3.94	H-N	-1109.0	0.61 (1)
J-K	0.41	-91.8	-91.8 0.13 (1)	10.00	N-I	0.1666	0.37 (1)
U-B	-2153.0	0.0	0.0 0.15 (1)	6.94	M-I	-259.0	0.14 (1)
L-J	-2153.0	0.0	0.0 0.15 (1)	6.94	B-T	0.1720	0.39 (1)
					M-J	0.1720	0.39 (1)
U-T	0.0	-18.5	-18.5 0.06 (4)	10.00			
T-S	0.1574	-18.5	-18.5 0.23 (1)	10.00			
S-R	0.2819	-18.5	-18.5 0.37 (1)	10.00			
R-Q	0.2819	-18.5	-18.5 0.37 (1)	10.00			
Q-P	0.3350	-18.5	-18.5 0.45 (1)	10.00			
P-O	0.2821	-18.5	-18.5 0.38 (1)	10.00			
O-N	0.2821	-18.5	-18.5 0.38 (1)	10.00			
N-M	0.1673	-18.5	-18.5 0.23 (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 PLAT 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 (1.25")
 CALCULATED VERT. DEFL. (LL) = 1/999 (0.18")
 ALLOWABLE DEFL. (TL) = L/360 (1.25")
 CALCULATED VERT. DEFL. (TL) = 1/999 (0.33")

CSI: TO=0.67/1.00 (B-C:1), BC=0.45/1.00 (P-Q:1), WS=0.61/1.00 (D-S: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.

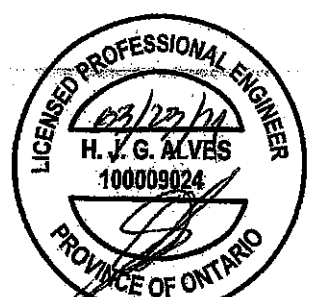
NAIL VALUES
 PLATE GRIP (ORY) SHEAR SECTION (PSI) (PL) (PL)
 MAX MIN MAX MIN MAX MIN
 MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

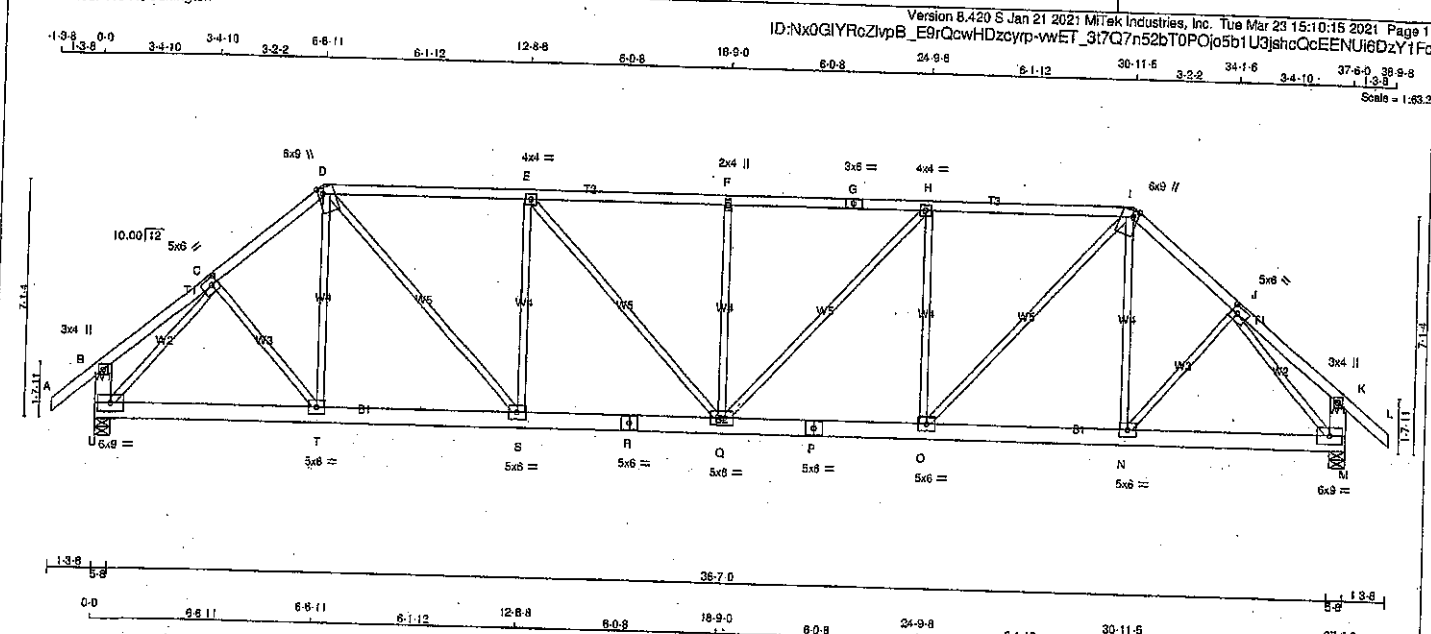
JSI GRIP = 0.82 (T) (INPUT = 0.90)

JSI METAL = 0.54 (C) (INPUT = 1.00)



Structural component only
 DWG# T-2108624

JOB NAME 417535	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER			
N. L. & A. RULES	CHORDS	SIZE	LUMBER
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 - R	2x6	DRY	No.2
R - P	2x6	DRY	No.2
P - M	2x6	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
D TMVW+t	MT20	5.0	6.0	2.50	2.25
E TTWW+m	MT20	6.0	9.0	Edge	1.75
D TMVW-t	MT20	4.0	4.0		
F TMV-w	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	6.0	9.0	Edge	1.75
J TMVW-t	MT20	5.0	6.0	2.50	2.25
K TMV-p	MT20	3.0	4.0		
M BMVW-t	MT20	6.0	9.0		
N, Q, S, T					
N BMVW-t	MT20	5.0	6.0		
P BS-t	MT20	5.0	6.0		
Q BMVW-t	MT20	5.0	6.0		
R BS-t	MT20	5.0	6.0		
U BMVW-t	MT20	6.0	9.0		

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	BRG	BRG	BRG
U	2194 0	U	2194 0	0 0	5-8	5-8	5-8
M	2194 0	M	2194 0	0 0	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST LOSE		MAX/MIN COMPONENT REACTIONS	
JT	COMBINED	JT	COMBINED	JT	COMBINED
U	1549 1030 0	U	1549 1030 0	U	1549 1030 0
M	1549 1030 0	M	1549 1030 0	M	1549 1030 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 = 3.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0 / 41	-91.8	-91.8 0.13 (1)	10.00	C-T	0 / 167	0.04 (1)
B-C	0 / 19	-91.8	-91.8 0.14 (1)	10.00	T-D	0 / 77	0.03 (1)
C-D	-2211 / 0	-91.8	-91.8 0.21 (1)	4.41	D-S	0 / 1421	0.02 (1)
D-E	-2639 / 0	-91.8	-91.8 0.74 (1)	3.51	S-E	-935 / 0	0.77 (1)
E-F	-2613 / 0	-91.8	-91.8 0.77 (1)	3.32	E-Q	0 / 410	0.09 (1)
F-G	-2613 / 0	-91.8	-91.8 0.77 (1)	3.32	Q-F	-510 / 0	0.77 (1)
G-H	-2613 / 0	-91.8	-91.8 0.77 (1)	3.32	Q-H	0 / 410	0.09 (1)
H-I	-2639 / 0	-91.8	-91.8 0.74 (1)	3.51	O-H	-935 / 0	0.77 (1)
I-J	-2211 / 0	-91.8	-91.8 0.21 (1)	4.41	O-I	0 / 1421	0.32 (1)
J-K	0 / 19	-91.8	-91.8 0.14 (1)	10.00	N-I	0 / 77	0.03 (1)
K-L	0 / 41	-91.8	-91.8 0.13 (1)	10.00	N-J	0 / 167	0.04 (1)
U-B	-246 / 0	0.0	0.0 0.02 (1)	7.81	U-C	-2462 / 0	0.96 (1)
M-K	-246 / 0	0.0	0.0 0.02 (1)	7.81	J-M	-2462 / 0	0.96 (1)
U-T	0 / 1569	-18.5	-18.5 0.23 (1)	10.00			
T-S	0 / 1679	-18.5	-18.5 0.24 (1)	10.00			
S-R	0 / 2639	-18.5	-18.5 0.36 (1)	10.00			
R-Q	0 / 2639	-18.5	-18.5 0.36 (1)	10.00			
Q-P	0 / 2639	-18.5	-18.5 0.36 (1)	10.00			
P-O	0 / 2639	-18.5	-18.5 0.36 (1)	10.00			
O-N	0 / 1679	-18.5	-18.5 0.24 (1)	10.00			
N-M	0 / 1569	-18.5	-18.5 0.23 (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

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 2013
- 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 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.27")

CSI: TC=0.77/1.00 (F-H:1), BC=0.36/1.00 (Q-S:1), WB=0.96/1.00 (C-U:1), SS=0.27/1.00 (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) (PL) (PL)
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 = 0.86 (J) (INPUT = 0.90)

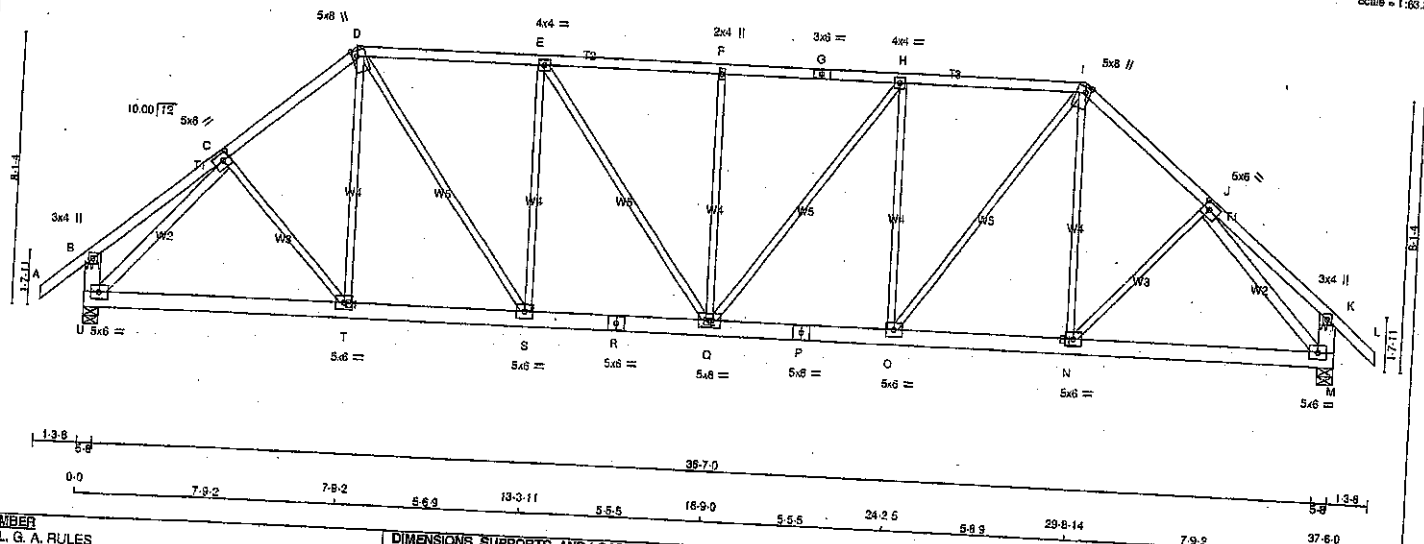
JSI METAL = 0.65 (J) (INPUT = 1.00)



Structural component only
DWG# T-2108625

JOB NAME 417535	TRUSS NAME T5	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 5 Jan 21 2021 MTak Industries, Inc. Tue Mar 23 15:10:16 2021 Page 1
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TOTAL WEIGHT = 2 X 205 = 409 LB

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 - R	2x6	DRY	No.2
R - P	2x6	DRY	No.2
P - M	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
U - C	2x4	DRY	No.2
J - M	2x4	DRY	No.2

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMV+p	MT20	3.0	4.0	
C TMW-w	MT20	5.0	8.0	2.50 2.50
D TMW-w	MT20	5.0	8.0	2.00 1.75
E TMW-w	MT20	4.0	4.0	
F TS-t	MT20	2.0	4.0	
G TMW-w	MT20	3.0	6.0	
H TMW-w	MT20	4.0	4.0	
I TTW-w	MT20	5.0	8.0	2.00 1.75
J TMW-w	MT20	5.0	8.0	2.50 2.50
K TMV+p	MT20	3.0	4.0	
M BMW-w	MT20	5.0	6.0	
N O, S, T				
P BMW-w	MT20	5.0	6.0	
Q BMW-w	MT20	5.0	6.0	
R BS-t	MT20	5.0	6.0	
U BMW-w	MT20	5.0	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

JT	GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
U	2194	0	2194	0
M	2194	0	2194	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
	1ST LOASE	MAX-MIN. COMPONENT REACTIONS					
U	1549	1030 / 0	0 / 0	0 / 0	0 / 0	519 / 0	0 / 0
M	1549	1030 / 0	0 / 0	0 / 0	0 / 0	519 / 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 = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX. (LC)
FR-TO					FR-TO		
A-B	0 / 41	-91.8	-91.8 0.13 (1)	10.00	C-T	0 / 67	0.02 (4)
B-C	0 / 28	-91.8	-91.8 0.21 (1)	10.00	T-D	0 / 117	0.04 (4)
C-D	-2194 / 0	-91.8	-91.8 0.30 (1)	4.33	D-S	0 / 1163	0.26 (1)
D-E	-2337 / 0	-91.8	-91.8 0.55 (1)	3.92	E-Q	-841 / 0	1.00 (1)
E-F	-2529 / 0	-91.8	-91.8 0.57 (1)	3.77	Q-E	0 / 934	0.08 (1)
F-G	-2529 / 0	-91.8	-91.8 0.57 (1)	3.77	Q-F	-459 / 0	0.55 (1)
G-H	-2529 / 0	-91.8	-91.8 0.57 (1)	3.77	Q-G	0 / 934	0.08 (1)
H-I	-2337 / 0	-91.8	-91.8 0.57 (1)	3.77	Q-H	-841 / 0	1.00 (1)
I-J	-2194 / 0	-91.8	-91.8 0.55 (1)	3.92	O-I	0 / 1153	0.26 (1)
J-K	0 / 26	-91.8	-91.8 0.30 (1)	4.33	N-I	0 / 117	0.04 (4)
K-L	0 / 41	-91.8	-91.8 0.21 (1)	10.00	N-J	0 / 67	0.02 (4)
U-B	-264 / 0	0.0	0.0 0.13 (1)	10.00	U-C	-2477 / 0	0.95 (1)
M-K	-264 / 0	0.0	0.0 0.02 (1)	7.81	J-M	-2477 / 0	0.95 (1)
U-T	0 / 1625	-18.5	-18.5 0.26 (1)	10.00			
T-S	0 / 1663	-18.5	-18.5 0.26 (1)	10.00			
S-R	0 / 2337	-18.5	-18.5 0.32 (1)	10.00			
R-Q	0 / 2337	-18.5	-18.5 0.32 (1)	10.00			
Q-P	0 / 2337	-18.5	-18.5 0.32 (1)	10.00			
P-O	0 / 2337	-18.5	-18.5 0.32 (1)	10.00			
O-N	0 / 1663	-18.5	-18.5 0.26 (1)	10.00			
N-M	0 / 1625	-18.5	-18.5 0.26 (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

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 086-14
- TPIC 2014

(85% 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 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.57/1.00 (E-F:1), BC=0.32/1.00 (O-S:1), WB=1.00/1.00 (H-O:1), SS=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

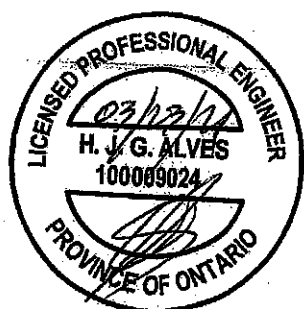
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 728 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

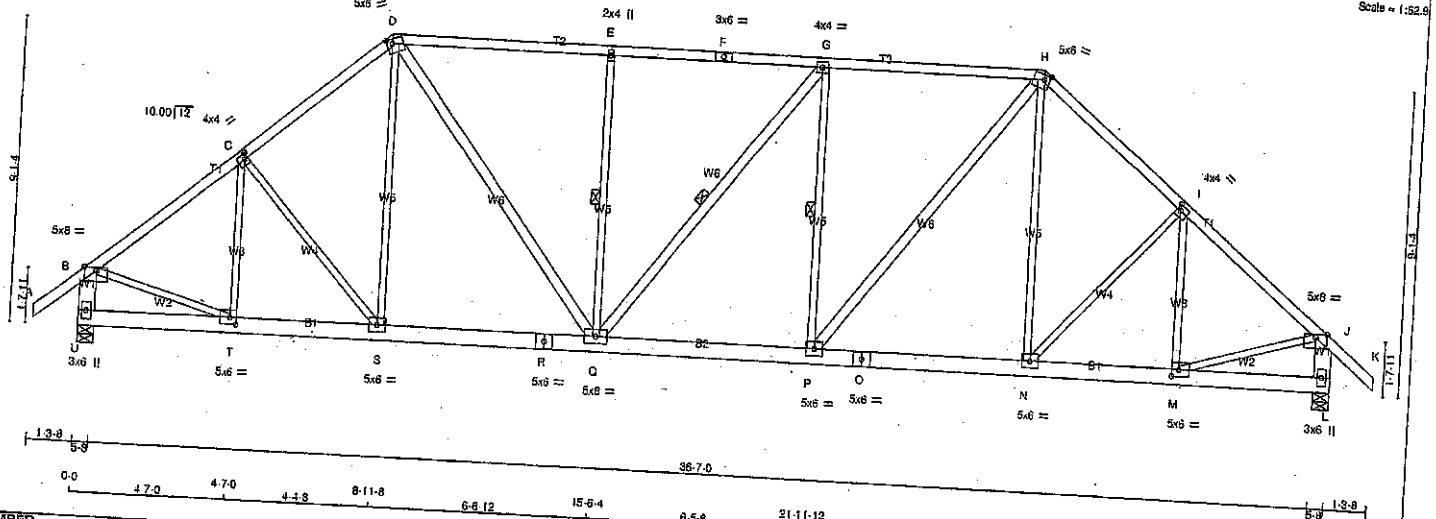
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.90 (I) (INPUT = 0.90)
JSI METAL= 0.66 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108626

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:10:17 2021 Page 1
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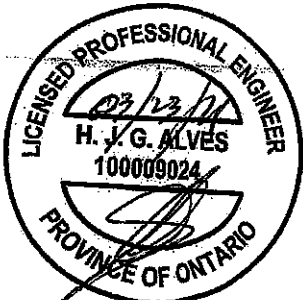
LUMBER		
N. L. G. A. RULES		
CHORDS	SIZE	LUMBER
A - D	2x4	DRY
D - F	2x4	No.2
F - H	2x4	DRY
H - K	2x4	DRY
U - B	2x6	No.2
L - J	2x6	DRY
U - R	2x6	DRY
R - O	2x6	No.2
O - L	2x6	DRY
		No.2
ALL WEBS	2x3	DRY
EXCEPT		No.2
D - Q	2x4	DRY
Q - G	2x4	DRY
P - H	2x4	DRY
		No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMWV-p	MT20	5.0	8.0	Edge
C	TMWV-w	MT20	5.0	4.0	2.00 1.25
D	TTWV-w	MT20	5.0	6.0	1.75 2.00
E	TMWV-r	MT20	5.0	6.0	1.75 2.00
F	TS-i	MT20	2.0	4.0	
G	TMWV-i	MT20	3.0	6.0	
H	TTWV-i	MT20	4.0	4.0	
I	TMWV-t	MT20	5.0	6.0	1.75 2.00
J	TMWV-t	MT20	4.0	4.0	2.00 1.25
L	BMV1-p	MT20	5.0	6.0	Edge
M	TMWV-p	MT20	3.0	6.0	
N	TMWV-t	MT20	5.0	6.0	2.50 2.50
P	S				
N		MT20	5.0	6.0	
O	TS-i	MT20	5.0	6.0	
P	TMWV-w	MT20	5.0	6.0	
R	BS-i	MT20	5.0	8.0	
S		MT20	5.0	8.0	
T	BMWV-i	MT20	5.0	6.0	2.50 2.50
J	BMV1-p	MT20	3.0	6.0	

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

~~NOTES~~ (11)



Structural component only
DWG# T-2108627

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

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REACT BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT		
JT	2194	0	2194	0	0	IN-SX	IN-SX
U	2194	0	2194	0	0	5-8	5-8
L	2194	0	2194	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
COMBINED		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	1549	1030.0	0.0	0.0	0.0	519.0	0.0
U	1549	1030.0	0.0	0.0	0.0	519.0	0.0
L							

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERMITTED JOINTS

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.
1 LATERAL BRACE(S) AT 1/2 LENGTH OF

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-Q, G-Q, G-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				FACTORED				WEBS			
MEMB.		MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		
FR-TO			FROM	TO			FR-TO				
A-B	0.41		-91.8	-91.8	0.13 (1)	10.00	T-C	-380	0		
B-C	-2168 / 0		-91.8	-91.8	0.42 (1)	4.23	C-S	-87 / 0	0.16 (1)		
C-D	-2161 / 0		-91.8	-91.8	0.41 (1)	4.24	S-D	0	0.05 (1)		
D-E	-2201 / 0		-91.8	-91.8	0.73 (1)	3.80	D-Q	0	0.05 (4)		
E-F	-2201 / 0		-91.8	-91.8	0.73 (1)	3.77	Q-E	0	0.15 (1)		
F-G	-2201 / 0		-91.8	-91.8	0.73 (1)	3.77	G-E	-647 / 0	0.33 (1)		
G-H	-2205 / 0		-91.8	-91.8	0.74 (1)	3.77	H-G	-7 / 0	0.00 (1)		
H-I	-2160 / 0		-91.8	-91.8	0.41 (1)	4.24	P-H	-644 / 0	0.33 (1)		
I-J	-2168 / 0		-91.8	-91.8	0.43 (1)	4.23	N-H	0	0.15 (1)		
J-K	0.41		-91.8	-91.8	0.13 (1)	10.00	N-I	-98 / 0	0.05 (4)		
U-B	-2147 / 0		0.0	0.0	0.14 (1)	6.94	M-I	-387 / 0	0.08 (1)		
L-J	-2147 / 0		0.0	0.0	0.14 (1)	6.94	S-T	0	0.16 (1)		
							M-J	0	0.39 (1)		
J-T	0.0		-18.5	-18.5	0.05 (4)	10.00					
T-S	0.1689		-18.5	-18.5	0.24 (1)	10.00					
S-R	0.1826		-18.5	-18.5	0.23 (1)	10.00					
R-Q	0.1826		-18.5	-18.5	0.23 (1)	10.00					
Q-P	0.2205		-18.5	-18.5	0.30 (1)	10.00					
P-O	0.1625		-18.5	-18.5	0.23 (1)	10.00					
N-M	0.1825		-18.5	-18.5	0.23 (1)	10.00					
M-L	0.1689		-18.5	-18.5	0.23 (1)	10.00					
L	0.0		-18.5	-18.5	0.23 (1)	10.00					
			-18.5	-18.5	0.05 (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, NBCC 2015

THIS DESIGN COMPLIES WITH:
PART 2.02.1

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

6% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F.
(RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED
OOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (1.25")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.09")
 ALLOWABLE DEFL.(TL) = $L/360$ (1.25")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.16")

$$B=0.39/1.00 (J-M:1), SSI=0.28/1.00 (G-H:1)$$

L LUMBER=1.00 NAIL=1.00 LS BEND=1.10
MP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TO SOLVE HEELS OFF

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

VALUES

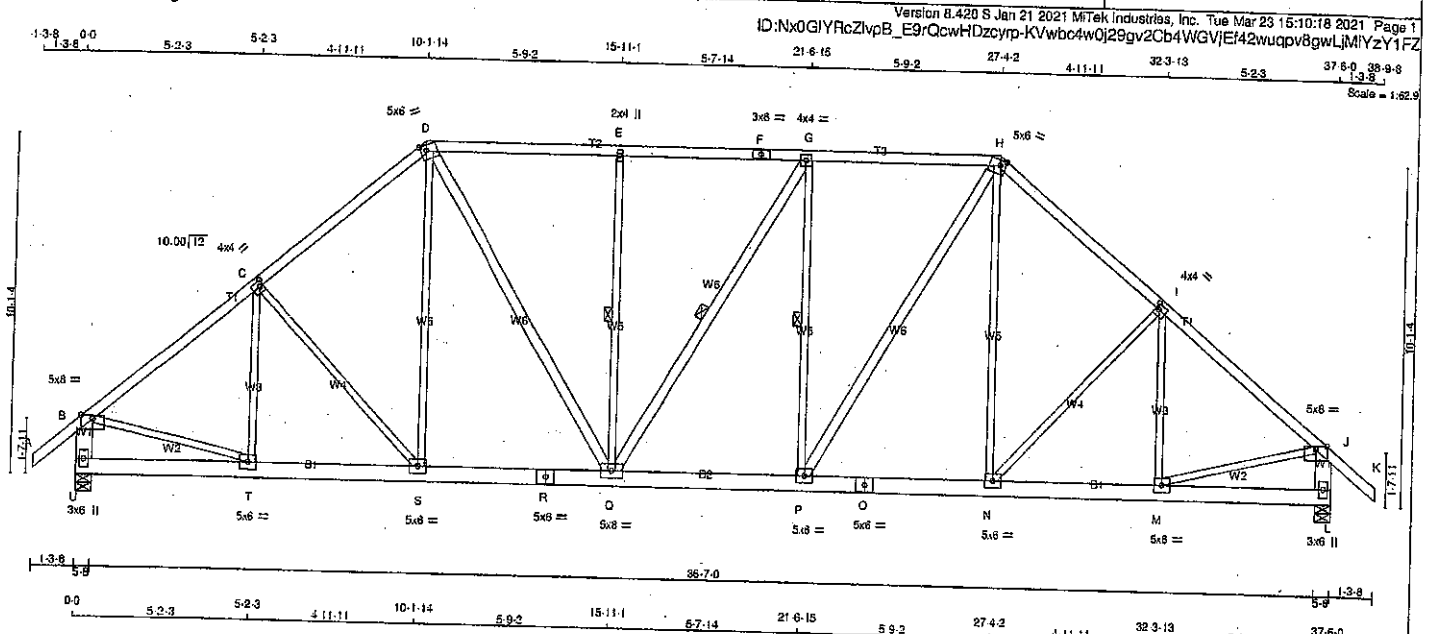
GRIP (DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
MAX	MIN	MAX	MIN	MAX	MIN
650	371	1747	788	1987	1873

E PLACEMENT TOL. = 0.250 inches

ROTATION TOL. = 5.0 Deg.

ETAL= 0.43 (D) (INPUT = 1.00)

JOB NAME 417535	TRUSS NAME T7	QUANTITY 7	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 7 X 221 = 1547 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER
N. L. G. A. RULES				
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				
D - Q	2x4	DRY	No.2	
Q - G	2x4	DRY	No.2	
P - H	2x4	DRY	No.2	

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	5.0	8.0	Edge		
C	TMWW-t	MT20	4.0	4.0	2.00	1.25	
D	TTWW-m	MT20	5.0	6.0	2.00	2.00	
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	6.0	2.00	2.00	
I	TMWW-t	MT20	4.0	4.0	2.00	1.25	
J	TMWV-p	MT20	5.0	8.0	Edge		
L	BMV1+p	MT20	3.0	6.0			
M, N, P, S, T							
M	BMWV-t	MT20	5.0	6.0			
O	BS-t	MT20	5.0	6.0			
Q	BMWVW-t	MT20	5.0	6.0			
R	BS-t	MT20	5.0	6.0			
U	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.

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	2194	0	0	0
L	2194	0	0	0

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
U	1549	1030
L	1549	1030

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.24 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	CS1 (LC)	UNBRACED LENGTH	FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
A-B		0.41	-91.8	-91.8	0.13 (1)	10.00	T-C	-322	0	0.17 (1)
B-C	-2200	0	-91.8	-91.8	0.40 (1)	4.24	C-S	-202	0	0.22 (1)
C-D	-2098	0	-91.8	-91.8	0.39 (1)	4.34	S-D	0	266	0.06 (1)
D-E	-1978	0	-91.8	-91.8	0.41 (1)	4.39	D-Q	0	773	0.12 (1)
E-F	-1978	0	-91.8	-91.8	0.38 (1)	4.44	Q-E	-565	0	0.38 (1)
F-G	-1978	0	-91.8	-91.8	0.39 (1)	4.39	P-G	-562	0	0.38 (1)
G-H	-1982	0	-91.8	-91.8	0.41 (1)	4.39	H-I	-2097	0	0.13 (1)
H-I	-2097	0	-91.8	-91.8	0.38 (1)	4.24	I-H	0	783	0.13 (1)
I-J	-2200	0	-91.8	-91.8	0.40 (1)	4.24	J-K	0	258	0.06 (1)
J-K	0	41	-91.8	-91.8	0.13 (1)	10.00	K-I	-203	0	0.22 (1)
U-B	-2145	0	0.0	0.0	0.14 (1)	6.95	M-I	-320	0	0.18 (1)
L-J	-2145	0	0.0	0.0	0.14 (1)	6.95	B-T	0	1764	0.40 (1)
U-T	0	0	-18.5	-18.5	0.05 (4)	10.00	M-J	0	1764	0.40 (1)
T-S	0	1717	-18.5	-18.5	0.24 (1)	10.00				
S-R	0	1593	-18.5	-18.5	0.22 (1)	10.00				
R-Q	0	1593	-18.5	-18.5	0.22 (1)	10.00				
Q-P	0	1982	-18.5	-18.5	0.27 (1)	10.00				
P-O	0	1582	-18.5	-18.5	0.22 (1)	10.00				
O-N	0	1582	-18.5	-18.5	0.22 (1)	10.00				
N-M	0	1717	-18.5	-18.5	0.23 (1)	10.00				
M-L	0	0	-18.5	-18.5	0.05 (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./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 9 OF CBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 085-14
- 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 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.16")

CS1: TC=0.41/1.00 (G-H:1), BC=0.27/1.00 (P-Q:1), WB=0.40/1.00 (J-K: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 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

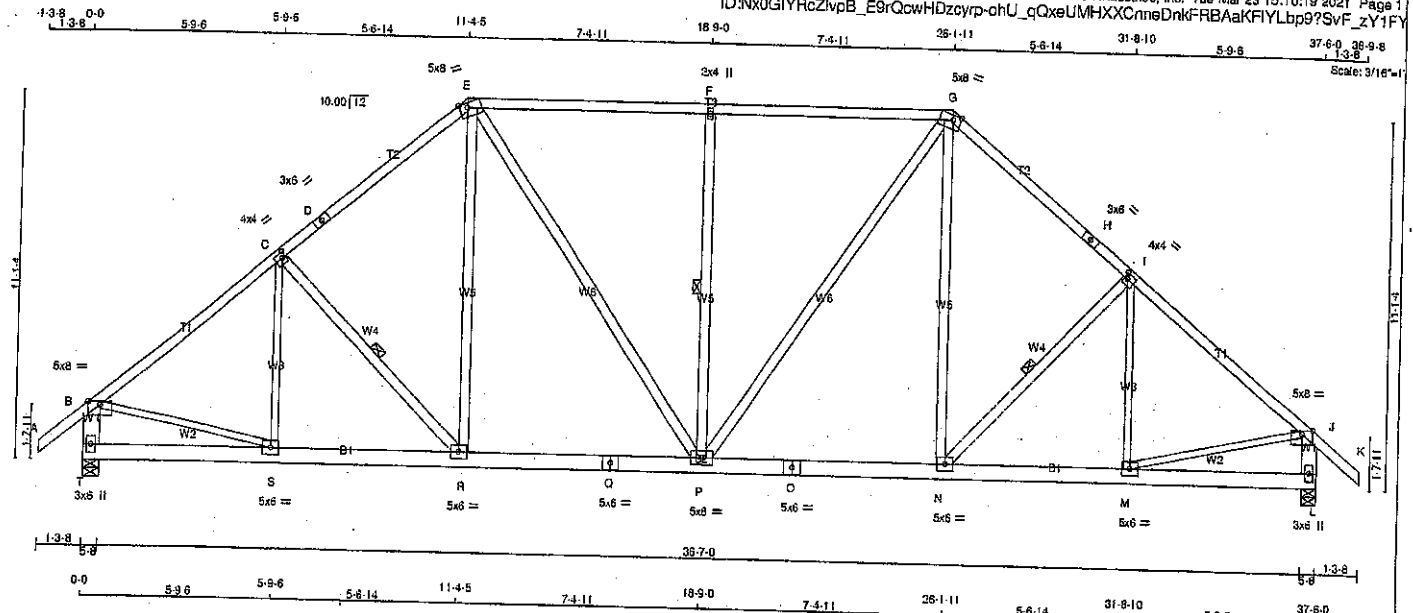
JSI GRIP= 0.66 (H) (INPUT = 0.90)
JSI METAL= 0.40 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108628

JOB NAME 417535	TRUSS NAME T8	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

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ID:Nx0GIYRcZlvpB_E9rQowHDzyp-ohU_qQxeUMHXXCnneDnkFRBAaKFIYLbp9?SvF_zY1FY



TOTAL WEIGHT = 2 X 226 = 453 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 - G	2x4 DRY	No.2	SPF		
G - H	2x4 DRY	No.2	SPF		
H - K	2x4 DRY	No.2	SPF		
T - B	2x6 DRY	No.2	SPF		
L - J	2x6 DRY	No.2	SPF		
T - Q	2x6 DRY	No.2	SPF		
Q - O	2x6 DRY	No.2	SPF		
O - L	2x6 DRY	No.2	SPF		
ALL WEBS	2x4 DRY	No.2	SPF		
EXCEPT					
S - C	2x3 DRY	No.2	SPF		
M - I	2x3 DRY	No.2	SPF		
B - S	2x3 DRY	No.2	SPF		
M - J	2x3 DRY	No.2	SPF		

DRY, SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW-p	MT20	5.0	8.0	Edge	
C TMWW-t	MT20	4.0	4.0	2.00	1.25
D TS-t	MT20	3.0	8.0		
E TTWW-m	MT20	5.0	8.0	Edge	3.00
F TMW-w	MT20	2.0	4.0		
G TTWW-m	MT20	5.0	8.0	Edge	3.00
H TS-t	MT20	3.0	8.0		
J TMWW-t	MT20	4.0	4.0	2.00	1.25
K TMW-p	MT20	5.0	8.0	Edge	
L BMV1-p	MT20	3.0	6.0		
M, N, R, S					
M BMWW-t	MT20	5.0	8.0		
O BS-t	MT20	5.0	8.0		
P BMWW-t	MT20	5.0	8.0		
Q BS-t	MT20	5.0	8.0		
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

FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	HORZ	UP-LIFT
T	2194	0	0
L	2194	0	0

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
T	1549	1030
L	1549	1030

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.91 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 C-R, F-P, I-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	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 41	-91.8 -91.8 0.13 (1)	S-C	-269 / 0
B-C	-2219 / 0	-91.8 -91.8 0.52 (1)	C-R	-297 / 0
C-D	-2039 / 0	-91.8 -91.8 0.48 (1)	R-E	0 / 347
D-E	-2039 / 0	-91.8 -91.8 0.48 (1)	E-P	0 / 587
E-F	-1869 / 0	-91.8 -91.8 0.74 (1)	P-F	-834 / 0
F-G	-1869 / 0	-91.8 -91.8 0.74 (1)	P-G	0 / 587
G-H	-2039 / 0	-91.8 -91.8 0.48 (1)	N-G	0 / 347
H-I	-2039 / 0	-91.8 -91.8 0.48 (1)	N-I	-297 / 0
I-J	-2219 / 0	-91.8 -91.8 0.52 (1)	M-I	-289 / 0
J-K	0 / 41	-91.8 -91.8 0.13 (1)	B-S	0 / 1774
K-L	-2142 / 0	0.0 0.0 0.14 (1)	M-J	0 / 1774
L-J	-2142 / 0	0.0 0.0 0.14 (1)		
T-S	0 / 0	-18.5 -18.5 0.07 (4)		
S-R	0 / 1735	-18.5 -18.5 0.25 (1)		
R-Q	0 / 1536	-18.5 -18.5 0.23 (1)		
Q-P	0 / 1536	-18.5 -18.5 0.23 (1)		
P-O	0 / 1536	-18.5 -18.5 0.23 (1)		
O-N	0 / 1536	-18.5 -18.5 0.23 (1)		
N-M	0 / 1735	-18.5 -18.5 0.25 (1)		
M-L	0 / 0	-18.5 -18.5 0.07 (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, NBCC 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.(LJ) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/989 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/989 (0.15")

CSI: TC=0.74/1.00 (E-F:1), BC=0.25/1.00 (R-S:1), WB=0.51/1.00 (F-P:1), SS=0.33/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 = 0.83 (S) (INPUT = 0.90)

JSI METAL = 0.39 (S) (INPUT = 1.00)



Structural component only
DWG# T-2108629

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ID:Nx0GIYRcZlpB_E9:QcwHDzcypr-Gt2M1mxGFfPN8MMzCxlzofkLdKZgHqvzNfCTnRzY1FX
-13.8 13.8 0-0 3-10.5 3-10.5 1-1-12 5-0-4 2-0-0 7-0-4 2-3-4 9-3-8 5-5-0 14-8-8 3-10-8 18-7-0 19-10-8
Scale = 1:33.2



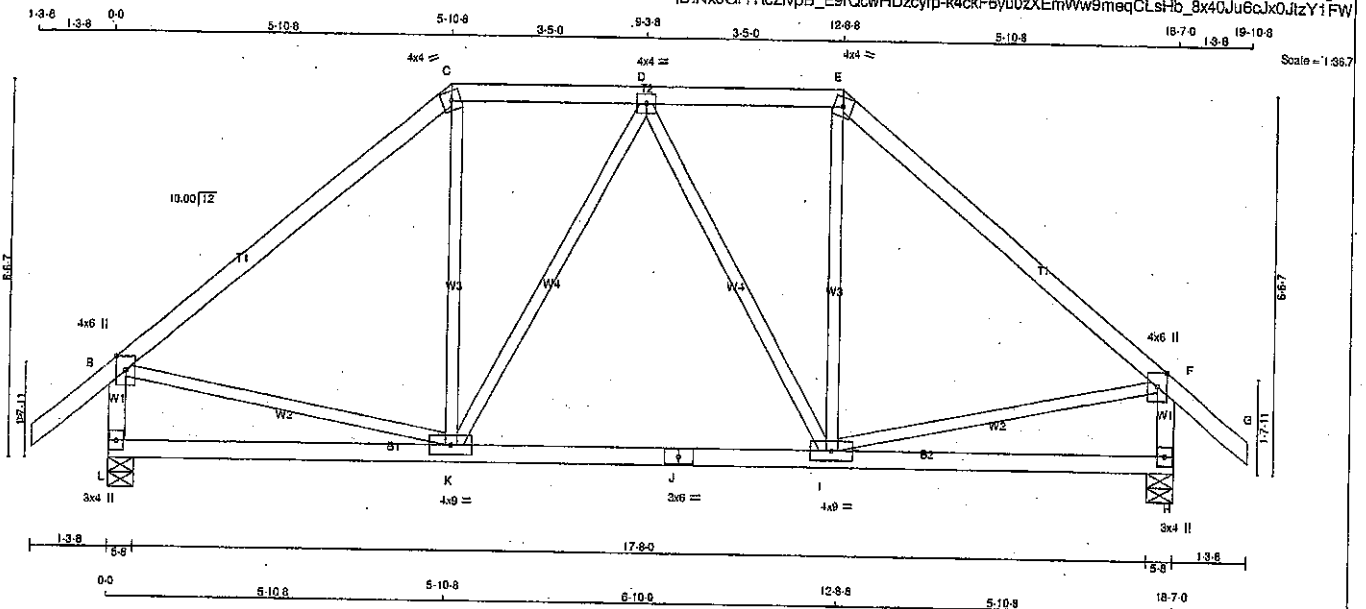
NOTES- (1)
1) Lateral braces to be a minimum of 2X4 SPF #2.

Figure 1 is a line graph showing the percentage of the total sample for each age group across different years. The x-axis represents years from 1960 to 1990, and the y-axis represents the percentage of the total sample, ranging from 0 to 100. The graph shows a general trend of decreasing percentages for younger age groups and increasing percentages for older age groups over time.

Year	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
1960	18	15	12	10	8	6	4	2
1970	16	14	11	9	7	5	3	2
1980	14	12	10	8	6	4	3	2
1990	12	10	8	6	4	3	2	1



JOB NAME 417535	TRUSS NAME T10	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Trusses, Burlington					



LUMBER	N.L.B.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	
L - B	2x4	DRY	No.2	SPF	
H - F	2x4	DRY	No.2	SPF	
L - J	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	6.0	Edge		
C TTW-m	MT20	4.0	4.0			
D TMVW-l	MT20	4.0	4.0			
E TTW-m	MT20	4.0	4.0			
F TMVW+p	MT20	4.0	6.0	Edge		
H BMV1+p	MT20	3.0	4.0			
I BMVWW-l	MT20	4.0	9.0			
J BS-l	MT20	3.0	6.0			
K BMVWW-l	MT20	4.0	9.0			
L 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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	HORZ	UPLIFT
L	1152	0	0	5-8
H	1152	0	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX/MIN COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
L	812	546 / 0	0 / 0	0 / 0	268 / 0	0 / 0
H	812	546 / 0	0 / 0	0 / 0	268 / 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 = 5.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	MEMB.
FR-TO				FR-TO			
A-B	0 / 41	-91.8	10.00	K-C	0 / 170	0.04 (4)	
B-C	-880 / 0	-91.8	5.96	K-D	-213 / 0	0.20 (1)	
C-D	-579 / 0	-91.8	6.25	D-I	-213 / 0	0.20 (1)	
D-E	-678 / 0	-91.8	8.25	I-E	0 / 170	0.04 (4)	
E-F	-880 / 0	-91.8	5.96	B-K	0 / 680	0.16 (1)	
F-G	0 / 41	-91.8	10.00	I-F	0 / 680	0.16 (1)	
L-B	-1107 / 0	0.0	7.52				
H-F	-1107 / 0	0.0	7.52				
L-K	0 / 0	-18.5	10.00				
K-J	0 / 777	-18.5	10.00				
J-I	0 / 777	-18.5	10.00				
I-H	0 / 0	-18.5	10.00				

TOTAL WEIGHT = 84 lb (M/F)

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 C86-14
- 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 (0.62")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.05")

CSI: TC=0.43/1.00 (B-C:1), BC=0.23/1.00 (I-K:4), WB=0.20/1.00 (D-K:1), SSI=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

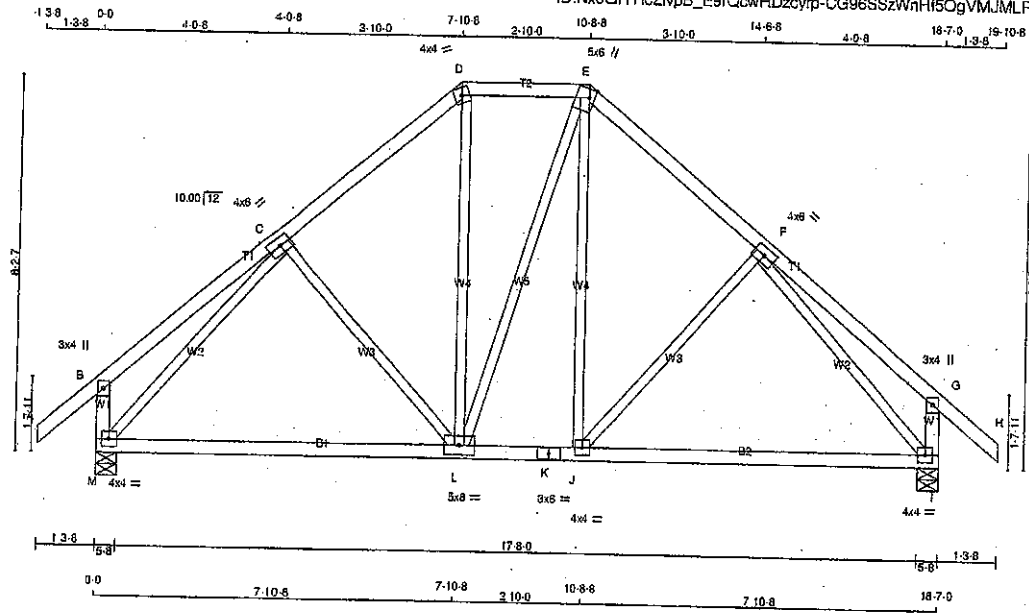
JSI GRIP = 0.69 (B) (INPUT = 0.50)
JSI METAL = 0.47 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108631

JOB NAME 417535	TRUSS NAME T11	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-t	MT20	4.0	6.0	
D	TTW-m	MT20	4.0	4.0	
E	TTWW+m	MT20	5.0	6.0	2.25 1.50
F	TMVW-t	MT20	4.0	6.0	
G	TMV+p	MT20	3.0	4.0	
I	BMVW1-t	MT20	4.0	4.0	
J	BMVW-t	MT20	4.0	4.0	
K	BS-t	MT20	3.0	6.0	
L	BMVWW-t	MT20	5.0	6.0	
M	BMVW1-t	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		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
M	1152 0	1152 0	0 0	5-8	5-8
I	1152 0	1152 0	0 0	5-8	5-8

UNFACTORED REACTIONS		1ST CASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE PERM. LIVE WIND DEAD SOIL
M	812	546 0	0 0 0 0 0 0
I	812	546 0	0 0 0 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.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 41	C-L	-163 / 0
B-C	0 / 27	L-D	0 / 232
C-D	-809 / 0	D-E	0 / 2
D-E	-802 / 0	E-F	0 / 230
E-F	-808 / 0	F-G	-164 / 0
F-G	0 / 27	G-H	-1088 / 0
G-H	0 / 41	H-I	-1087 / 0
M-B	-264 / 0		
I-G	-264 / 0		
M-L	0 / 708		
L-K	0 / 802		
K-J	0 / 802		
J-I	0 / 707		

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 CBC 2015, ABC 2019
- PART 9 OF OBC 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/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.23/1.00 (F-G:1), BC=0.29/1.00 (H-I:4), WB=0.67/1.00 (C-M:1), SS=0.13/1.00 (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

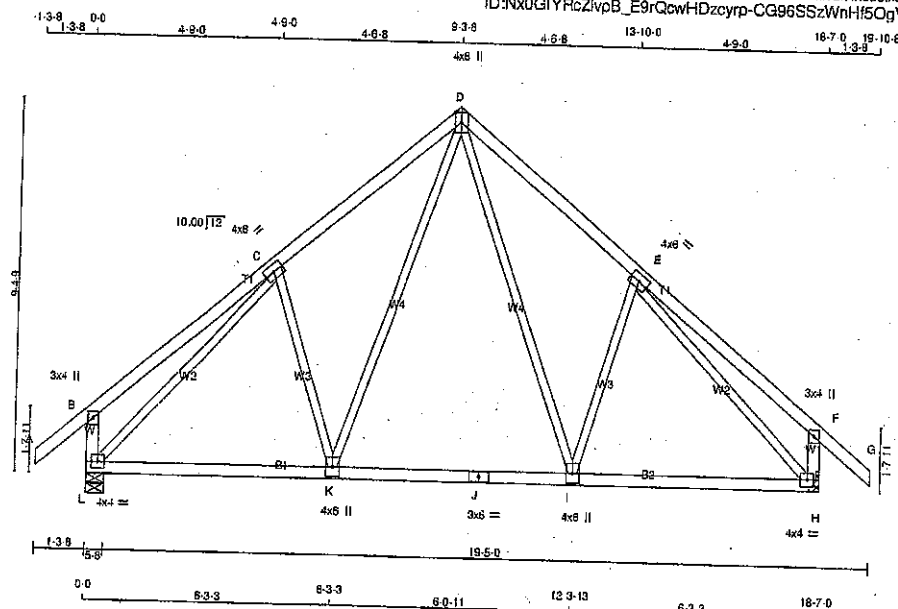
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.83 (M) (INPUT = 0.80)
JSI METAL = 0.50 (K) (INPUT = 1.00)



Structural component only
DWG# T-2108632

JOB NAME 417535	TRUSS NAME T12	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	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
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1152	0	1152	0
H	1152	0	1152	0

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
L	812	546	0	0	0	266	0
H	812	546	0	0	0	266	0

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

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. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0.41	-91.8	-91.8 0.13 (1)	D-I	0.397	0.09 (1)	
B-C	0.33	-91.8	-91.8 0.32 (1)	I-E	-265.0	0.14 (1)	
C-D	-878.0	-91.8	-91.8 0.26 (1)	K-D	0.397	0.09 (1)	
D-E	-878.0	-91.8	-91.8 0.26 (1)	C-K	-265.0	0.14 (1)	
E-F	0.33	-91.8	-91.8 0.32 (1)	L-C	-1096.0	0.96 (1)	
F-G	0.41	-91.8	-91.8 0.13 (1)	E-H	-1096.0	0.96 (1)	
L-B	-287.0	0.0	0.0 0.03 (1)				
H-F	-287.0	0.0	0.0 0.03 (1)				
L-K	0.731	-18.5	-18.5 0.22 (4)				
K-J	0.524	-18.5	-18.5 0.20 (4)				
J-I	0.524	-18.5	-18.5 0.20 (4)				
I-H	0.731	-18.5	-18.5 0.22 (4)				

TOTAL WEIGHT = 3 X 90 = 270 lb (M/F)

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 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 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=0.321.00 (B-C:1), BC=0.221.00 (K-L:4), WB=0.96/1.00 (E-H:1), SS=0.16/1.00 (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
	(PS)	(PLI)	(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 = 0.84 (H) (INPUT = 0.90)
JSI METAL = 0.27 (C) (INPUT = 1.00)

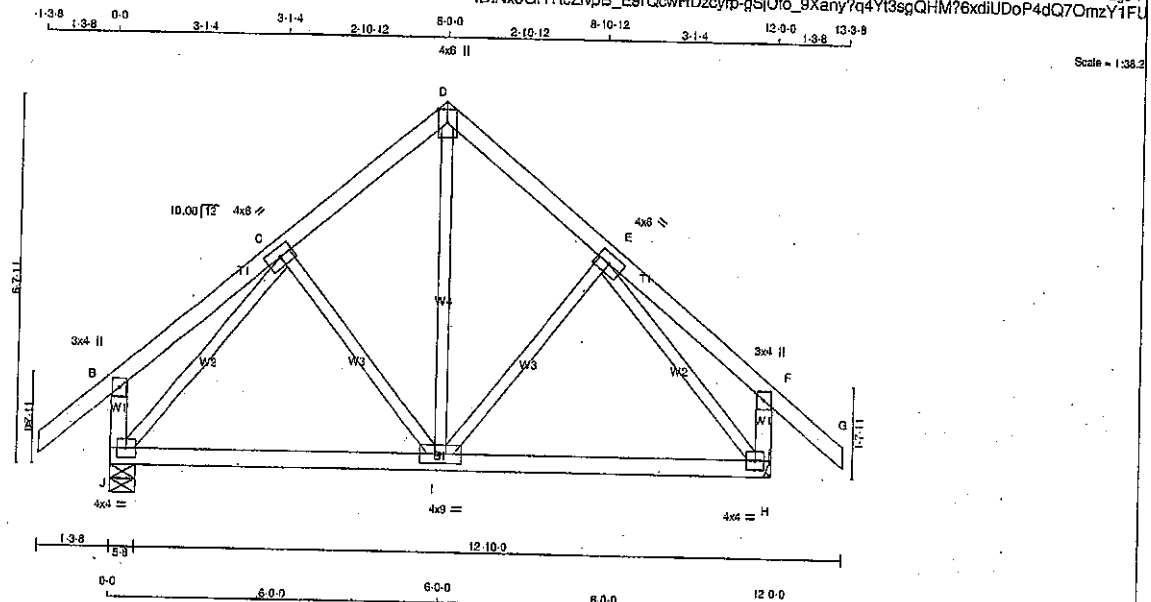


Structural component only
DWG# T-2108633

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417535	T13	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 58 = 174 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMWW-i	MT20	4.0	6.0		
D TMV+p	MT20	4.0	6.0	Edge	
E TMWW-i	MT20	4.0	6.0		
F TMV+p	MT20	3.0	4.0		
H BMVW1-i	MT20	4.0	4.0		
I BMVWW-i	MT20	4.0	8.0		
J BMVW1-i	MT20	4.0	4.0		

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	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	UP	IN-SX
J 789 0	789 0	0 0	5-8
H 789 0	789 0	0 0	5-8

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
J 555	378 0 0 0 0 0 177 0 0 0
H 555	378 0 0 0 0 0 177 0 0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
A-B	0' 41	-91.8	-91.8	0.13 (1)	10.00	I-D	0' 328	0.07 (1)	
B-C	0' 20	-91.8	-91.8	0.13 (1)	10.00	I-E	-123' 0	0.05 (1)	
C-D	-445' 0	-91.8	-91.8	0.10 (1)	6.25	C-I	-123' 0	0.05 (1)	
D-E	-445' 0	-91.8	-91.8	0.10 (1)	6.25	J-C	-553' 0	0.24 (1)	
E-F	0' 20	-91.8	-91.8	0.13 (1)	10.00	E-H	-553' 0	0.24 (1)	
F-G	0' 41	-91.8	-91.8	0.13 (1)	10.00				
J-B	-232' 0	0.0	0.0	0.02 (1)	7.81				
H-F	-232' 0	0.0	0.0	0.02 (1)	7.81				
J-I	0' 404	-18.5	-18.5	0.22 (4)	10.00				
I-H	0' 404	-18.5	-18.5	0.22 (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, 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) = L/360 (0.40")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TO=0.13/1.00 (E-F:1), BC=0.22/1.00 (H-I:4), WB=0.24/1.00 (E-H:1), SSI=0.10/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (FL)
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 = 0.49 (H) (INPUT = 0.80)
JSI METAL = 0.15 (E) (INPUT = 1.00)



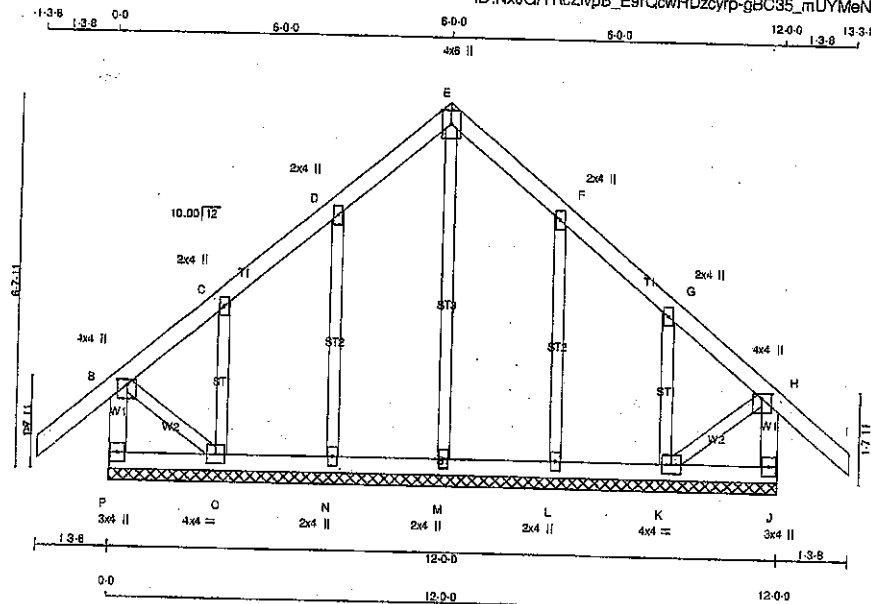
Structural component only
DWG# T-2108634

JOB NAME 417535	TRUSS NAME G13	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:10:06 2021 Page 1
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Scale = 1:37.8



TOTAL WEIGHT = 56 lb

LUMBER

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

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

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, F, G					
C TMVW+w	MT20	2.0	4.0		
E TTW+p	MT20	4.0	8.0	Edge	2.00
H TMVW+p	MT20	4.0	4.0	1.00	2.00
J BMV1+p	MT20	3.0	4.0		
K BMVW1-t	MT20	4.0	4.0		
L, M, N					
L BMV1+w	MT20	2.0	4.0		
O BMVW1-t	MT20	4.0	4.0		
P BMV1+p	MT20	3.0	4.0		

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
P-B	-282 / 0	0.0 0.0 0.03 (1)	7.81	M-E	-139 / 0	0.09 (1)	
A-B	0 / 41	-91.8 -91.8 0.13 (1)	10.00	N-D	-219 / 0	0.08 (1)	
B-C	-50 / 0	-91.8 -91.8 0.12 (1)	8.25	O-C	-122 / 0	0.02 (1)	
C-D	-10 / 0	-91.8 -91.8 0.06 (1)	8.25	L-F	-219 / 0	0.08 (1)	
D-E	-27 / 0	-91.8 -91.8 0.08 (1)	6.25	K-G	-122 / 0	0.02 (1)	
E-F	-27 / 0	-91.8 -91.8 0.06 (1)	6.25	B-O	0 / 23	0.01 (1)	
F-G	-10 / 0	-91.8 -91.8 0.06 (1)	6.25	K-H	0 / 23	0.01 (1)	
G-H	-50 / 0	-91.8 -91.8 0.12 (1)	8.25				
H-I	0 / 41	-91.8 -91.8 0.13 (1)	10.00				
J-H	-282 / 0	0.0 0.0 0.03 (1)	7.81				
P-O	0 / 0	-18.5 -18.5 0.02 (4)	10.00				
O-N	0 / 15	-18.5 -18.5 0.02 (4)	10.00				
N-M	0 / 11	-18.5 -18.5 0.02 (4)	10.00				
M-L	0 / 11	-18.5 -18.5 0.02 (4)	10.00				
L-K	0 / 15	-18.5 -18.5 0.02 (4)	10.00				
K-J	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. O.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

CSI: TC=0.13/1.00 (A-B:1), BC=0.02/1.00 (K-L:4),
WB=0.09/1.00 (E-M:1), SSI=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

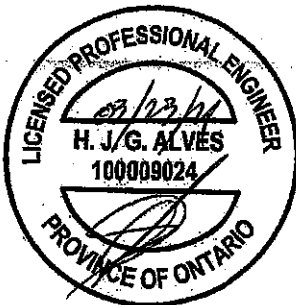
PLATE GRIP (DRY)	SHEAR	SECTION
(F6)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.20 (B) (INPUT = 0.90)

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



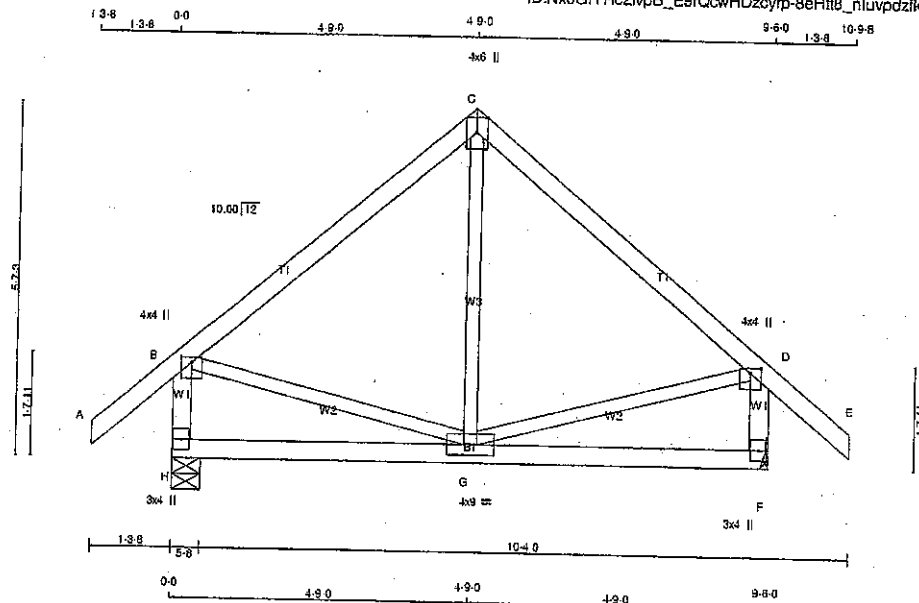
Structural component only
DWG# T-2108615

JOB NAME 417535	TRUSS NAME T14	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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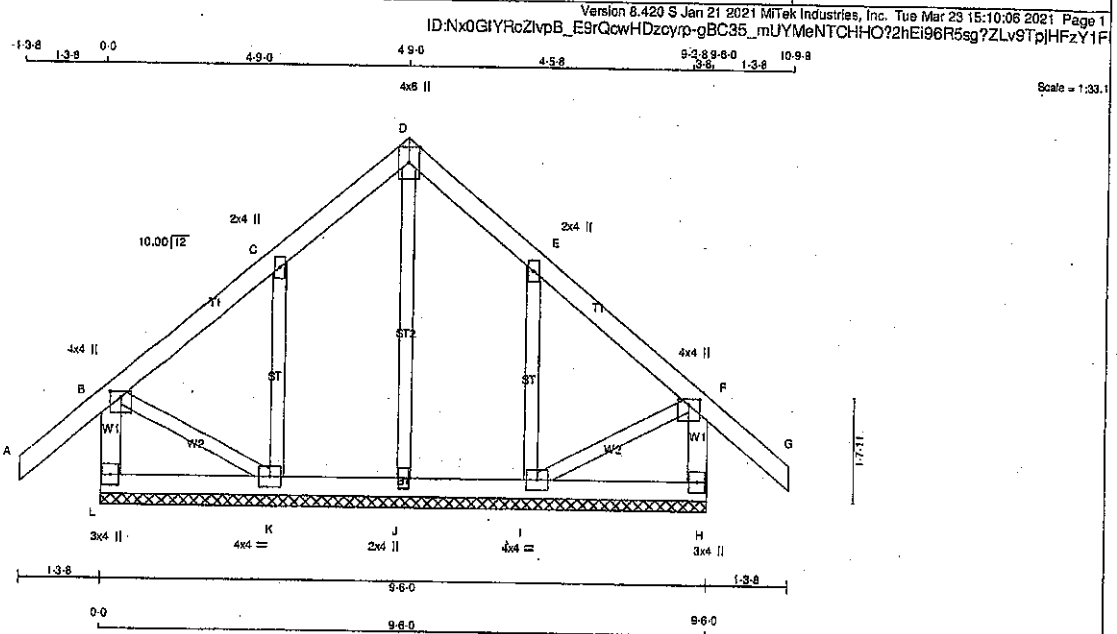
Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Tue Mar 23 15:10:24 2021 Page 1
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Scale = 1:33.5



JOB NAME 417535	TRUSS NAME G14	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
L - B	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
H - F	2x4	DRY	No.2
L - H	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 (tablets in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C TMVW+w	MT20	2.0	4.0		
D TTW+p	MT20	4.0	6.0	Edge	
E TMVW+w	MT20	2.0	4.0		
F TMVW+p	MT20	4.0	4.0	1.00	2.00
H BMV1+p	MT20	3.0	4.0		
I BMVW1-t	MT20	4.0	4.0		
J BMV1-w	MT20	2.0	4.0		
K BMVW1-t	MT20	4.0	4.0		
L 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
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	
FR-TO					FR-TO				
L-B	-248 / 0	0.0	0.0	0.03 (1)	J-D	-112 / 0	0.05 (1)		
A-B	0 / 41	-91.8	-91.8	0.13 (1)	K-C	-288 / 0	0.08 (1)		
B-C	-7 / 0	-91.8	-91.8	0.08 (1)	I-E	-288 / 0	0.08 (1)		
C-D	-34 / 0	-91.8	-91.8	0.08 (1)	B-K	0 / 20	0.00 (1)		
D-E	-34 / 0	-91.8	-91.8	0.08 (1)	F-F	0 / 20	0.00 (1)		
E-F	-7 / 0	-91.8	-91.8	0.08 (1)					
F-G	0 / 41	-91.8	-91.8	0.13 (1)					
H-F	-248 / 0	0.0	0.0	0.03 (1)					
L-K	0 / 0	-18.5	-18.5	0.03 (4)					
K-J	0 / 11	-18.5	-18.5	0.03 (4)					
J-I	0 / 11	-18.5	-18.5	0.03 (4)					
I-H	0 / 0	-18.5	-18.5	0.03 (4)					

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 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
CSI: TC=0.13/1.00 (A-B:1), BC=0.03/1.00 (I-J:4), WB=0.08/1.00 (E-I:1), SS=0.09/1.00 (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 768 1987 1873
PLATE PLACEMENT TOL = 0.250 inches
PLATE ROTATION TOL = 5.0 Deg.
JSI GRIP= 0.19 (C) (INPUT = 0.90)
JSI METAL= 0.14 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108616

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CONTINUED ON PAGE 2

JOB NAME 417535	TRUSS NAME T15	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 Mar 23 15:10:24 2021 Page 2 ID:Nx0GIYRcZlvpB E9rQowHDzcvp-8eHtt8 nluvpdzikRnNwyVvOwLyADhOZIHAgwCzY1FT		

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
F BMV1+P	MT20	3.0	6.0		

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

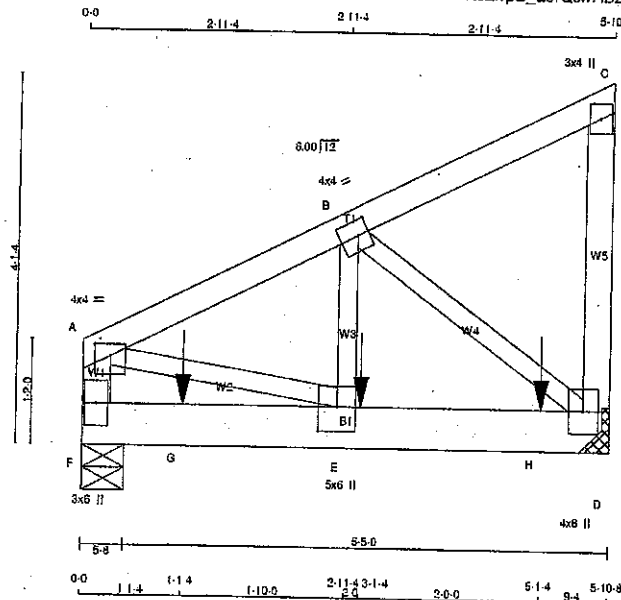


Structural component only
DWG# T-2108636 *ML*

JOB NAME 417535	TRUSS NAME T15Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Trusses, Burlington

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:10:25 2021 Page 1
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Scale = 1/2"=1'-0"

TOTAL WEIGHT = 2 X 29 = 58 lb

LUMBER					
N. L. G. A. RULES					
CHORDS		SIZE	LUMBER		DESCR.
F - A	2x4	DRY	No.2		SPF
A - C	2x4	DRY	No.2		SPF
D - C	2x4	DRY	No.2		SPF
F - D	2x6	DRY	No.2		SPF
ALL WEBS			2x8	DRY	No.2
DRY: SEASONED LUMBER.					SPF

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
F-A	12	TOP
A-C	12	TOP
C-D	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F-D	12	SIDE (183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
B-E	6	SIDE (112.5)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	4.0	1.50	2.00
B	TMVW-1	MT20	4.0	4.0	2.00	1.50
C	TMV-p	MT20	3.0	4.0		
D	BMVW1-p	MT20	4.0	6.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
F	1959	0	1959	0
D	2089	0	2089	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	DEAD	SOIL
F	1380	939 0	0 0	0 0
D	1471	1001 0	0 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNSHACED 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)	LC1	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1
FR-TO										
F-A	-1314	0	0.0	0.0	0.07	(1)	7.81	A-E	0	1626
A-B	-1748	0	-91.8	-91.8	0.08	(1)	6.25	E-B	0	1675
B-C	-9	0	-91.8	-91.8	0.05	(1)	10.00	B-D	-1978	0
D-C	-114	0	0.0	0.0	0.01	(1)	7.81			
F-G	0	0	-18.5	-18.5	0.28	(1)	10.00			
G-E	0	0	-18.5	-18.5	0.28	(1)	10.00			
E-H	0	1572	-18.5	-18.5	0.32	(1)	10.00			
H-D	0	1572	-18.5	-18.5	0.32	(1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	3-1-4	-797	-797	---	BACK	VERT	TOTAL	---	C1
G	1-1-4	-797	-797	---	BACK	VERT	TOTAL	---	C1
H	5-1-4	-799	-799	---	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, 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 25.9 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=0.07/1.00 (A-F:1), BC=0.32/1.00 (D-E:1), WB=0.24/1.00 (B-D:1), SSI=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

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	850	371	1747
	788	1887	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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



Structural component only
DWG# T-2108637

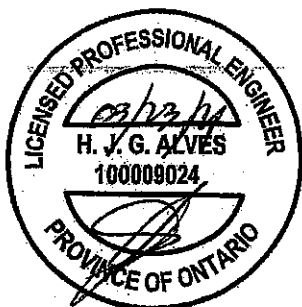
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
417535	T15Z	1	2	GREENPARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
E	BMWW+H	MT20	5.0	6.0	3.25	2.50
F	BMV1+p	MT20	3.0	6.0		

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

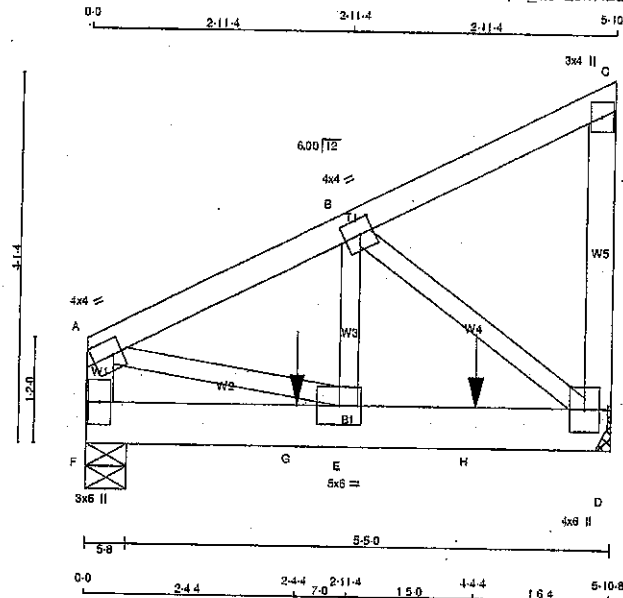


Structural component only
DWG# T-2108637

JOB NAME 417537	TRUSS NAME T15Z3	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 = 1/32

TOTAL WEIGHT = 2 X 29 = 58 lb

<u>LUMBER</u>					
N. L. G. A. RULES					
CHORDS		SIZE	LUMBER		DESCR.
F - A	2x4	DRY	No.2		SPF
A - C	2x4	DRY	No.2		SPF
D - C	2x4	DRY	No.2		SPF
F - D	2x6	DRY	No.2		SPF
ALL WEBS		2x3	DRY	No.2	SPF
DRY- SEASONED LUMBER					

ALL WEBS 2x3 DRY No.2
SPF

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD/PLF
TOP CHORDS : (0.122'X3") SPIRAL NAILS		
F-A 1	12	TOP
A-C 1	12	TOP
C-D 1	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 (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMWW-I	MT20	4.0	4.0	2.00	1.25
B	TMWW-I	MT20	4.0	4.0	2.00	1.75
C	TMWW-I	MT20	3.0	4.0		
D	BMWW-I	MT20	4.0	8.0		
E	BMWW-I	MT20	5.0	8.0		

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT VERT	876	0	0	0
F 876	0	0	5-8	5-8
D 1058	0	1058	0	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 2-0.

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	618	414	0	0	0	0	204	0
D	746	501	0	0	0	0	245	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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. CSI (LC)	UNBRAC LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO									
F-A	-791	0	0.0	0.0	0.04 (1)	7.81	A-E	0	0.925
A-B	-988	0	-91.8	-91.8	0.06 (1)	6.25	E-B	0	0.808
B-C	-127	0	-91.8	-91.8	0.06 (1)	6.25	B-D	-1125	0
D-C	-108	0	0.0	0.0	0.01 (1)	7.81			
F-G	0	0	-18.5	-18.5	0.08 (1)	10.00			
G-E	0	0	-18.5	-18.5	0.08 (1)	10.00			
E-H	0	894	-18.5	-18.5	0.20 (1)	10.00			
H-D	0	894	-18.5	-18.5	0.20 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2-4-4	-453	-453		FRONT	VERT	TOTAL		C1
H	4-4-4	-453	-453		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 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.6 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) = $L/999$ (0.01")

CSI: TC=0.08/1.00 (A-B:1), BC=0.20/1.00 (D-E:1), WB=0.13/1.00 (B-D:1), SS=0.20/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

ISI GRIP= 0.77 (A) (INPUT = 0.90)
ISI METAL= 0.20 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108673

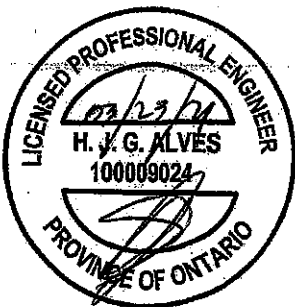
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JOB NAME 417537	TRUSS NAME T15Z3	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 16:50:38 2021 Page 2 ID:Nx0GiYRcZlvpB E9rQcwHDzcyvp-T38SWZC?ob2IEyChsmh?oZlkhRs1pTKlPwPeHzY0f	

PLATES (table is in inches)

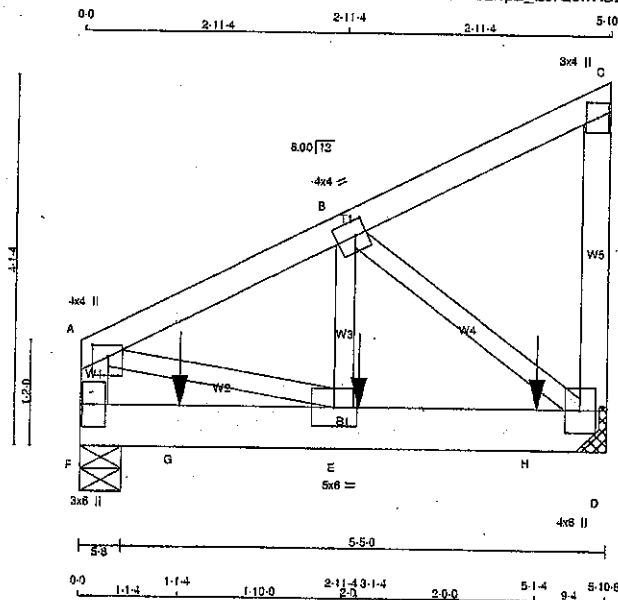
JT	TYPE	PLATES	W	LEN	Y	X
F	BMV1+p	MT20	3.0	6.0		

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



Structural component only
DWG# T-2108673 *mn*

JOB NAME 417537	TRUSS NAME T15Z4	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 2 X 29 = 58 lb

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
F - A	12	TOP
A - C	12	TOP
C - D	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	SIDE (183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
B - E	6	SIDE (79.3)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.50	2.00
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TMV+p	MT20	3.0	4.0		
D	BMVW1+p	MT20	4.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	1776	0	1776	0
D	1892	0	1892	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	1254	837	0	0	0	0	417	0
D	1335	890	0	0	0	0	445	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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 (LBS)	MAX. FACTORED UNBRACED LENGTH (LBS)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LC1 (LBS)
FR-TO	F-A	-1200	0	0.0	0.07 (1)	7.81	A-E	0	1472
	A-B	-1582	0	-91.8	-91.8 (1)	8.25	E-B	0	1485
	B-C	-10	0	-91.8	-91.8 (1)	10.00	B-D	-1791	0
	D-C	-113	0	0.0	0.01 (1)	7.81			
	F-G	0	0	-18.5	-18.5 (1)	10.00			
	G-E	0	0	-18.5	-18.5 (1)	10.00			
	E-H	0	1424	-18.5	-18.5 (1)	10.00			
	H-D	0	1424	-18.5	-18.5 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	3-1-4	-710	-710	---	BACK	VERT	TOTAL	---	C1
G	1-1-4	-710	-710	---	BACK	VERT	TOTAL	---	C1
H	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	=	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 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=0.07/1.00 (A-F:1), BC=0.29/1.00 (D-E:1),
WB=0.21/1.00 (B-D:1), SS=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

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

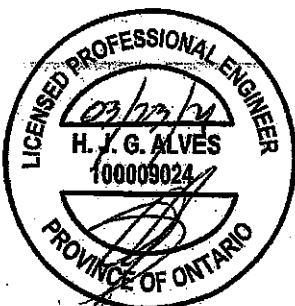
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
JT	MAX MIN MAX MIN 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 = 0.85 (A) (INPUT = 0.90)
JSI METAL = 0.32 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108674

CONTINUED ON PAGE 2

JOB NAME 417537	TRUSS NAME T15Z4	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 8 Jan 21 2021 Mittek Industries, Inc. Tue Mar 23 15:50:39 2021 Page 2 ID:Nx0GIYRcZlvbB_E9rQcwHDzcyrp-xFirkvDdZuA9s8nuPTCElmQuNrAvYyUL0dVqyBzY0fk		

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
E	BMWV-t	MT20	5.0	6.0		
F	BMW1-p	MT20	3.0	6.0		

NOTES- (1)

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

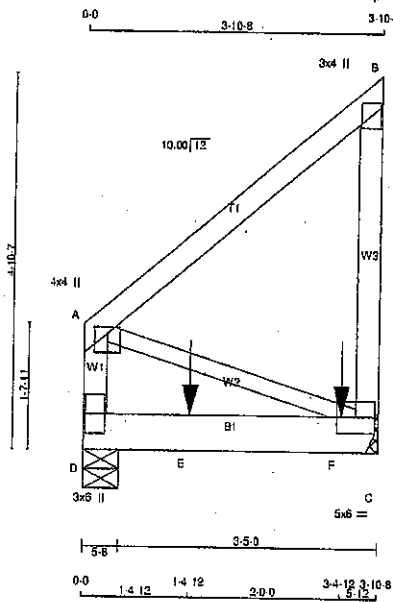


Structural component only
DWG# T-2108674 *in*

JOB NAME 417535	TRUSS NAME T16	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
D - A	12	TOP
A - B	12	TOP
B - C	12	SIDE(44.2)
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
D - C	12	SIDE(122.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A TMVW+p	MT20	4.0	4.0	1.00	2.00
B TMV+p	MT20	3.0	4.0		
C BMVW1-t	MT20	5.0	6.0		
D BMV1+p	MT20	3.0	6.0		

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	697	0	697	0	5-8	5-8	
C	1000	0	1000	0	0	MECHANICAL	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT C. MINIMUM BEARING LENGTH AT JOINT C = 2-0.

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	490	339	0	0	0	151	0
C	702	487	0	0	0	215	0

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

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)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
D-A	-178	A-C	0
A-B	0		
C-B	-178		
D-E	0		
E-F	0		
F-C	0		

SPECIFIED CONCENTRATED LOADS (LBS)			
JT	LOC.	LC1	MAX.
E	1-4-12	-443	-443
F	3-4-12	-447	-447

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 22 = 43 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, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 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

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TO=0.13/1.00 (A-B:1), BC=0.26/1.00 (C-D:1), W8=0.00/1.00 (A-C:1), SSI=0.27/1.00 (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

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

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

PLATE PLACEMENT TOL. = 0.250 inches

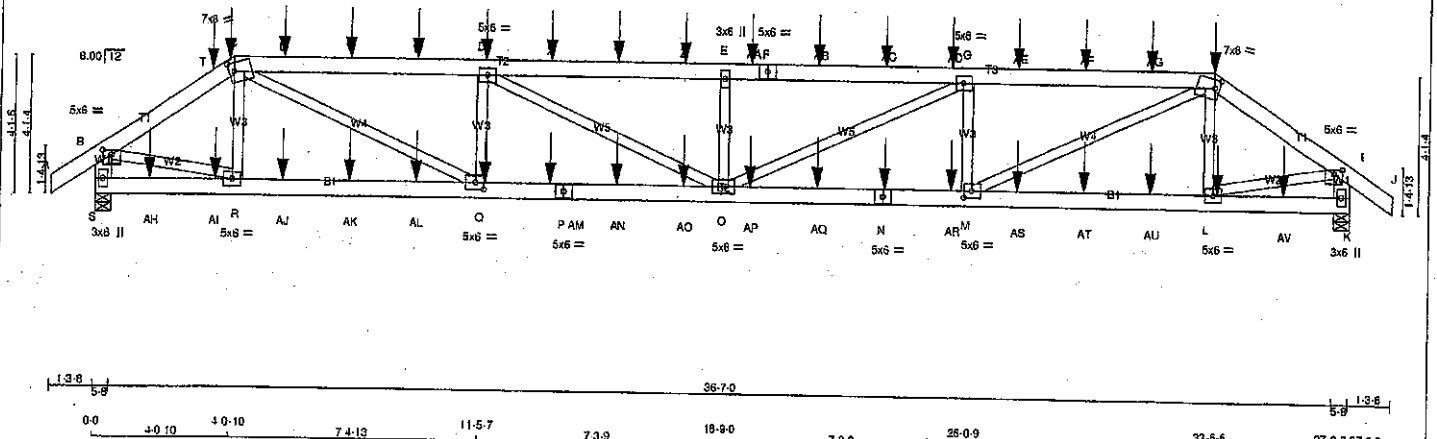
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.07 (A) (INPUT = 0.90)
JSI METAL=0.03 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108638

JOB NAME 417536	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 MITek Industries, Inc. Tue Mar 23 15:30:57 2021 Page 1 ID:Nx0GIYRcZlvpB_E9rQowHDzcypr-YsH?RkVbWkFs2TQJAE?3RWT0NNhpcGj2qcLPiEzY0yC	
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LUMBER N.L.G.A. RULES CHORDS SIZE LUMBER DESCR. A - C 2x6 DRY No.2 SPF C - F 2x6 DRY No.2 SPF F - H 2x6 DRY No.2 SPF H - J 2x6 DRY No.2 SPF J - K 2x6 DRY No.2 SPF K - L 2x6 DRY No.2 SPF L - M 2x6 DRY No.2 SPF M - N 2x6 DRY No.2 SPF N - K 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 2 12 SIDE(122.0) C-F 2 12 SIDE(183.1) F-H 2 12 SIDE(61.0) H-J 2 12 SIDE(122.0) J-K 2 12 TOP K-L 2 12 TOP BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS S-P 2 12 SIDE(183.1) P-N 2 12 SIDE(0.0) N-K 2 12 SIDE(183.1) WEBS : (0.122"x3") SPIRAL NAILS 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.		DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED MAXIMUM FACTORED INPUT REORD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX S 3659 0 3659 0 0 5-8 5-8 K 3621 0 3621 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LOASE MAX./MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL S 2595 1713.0 0 0 0 0 872 0 0 K 2559 1692.0 0 0 0 0 867 0 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) S, K BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.70 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED. LOADING TOTAL LOAD CASES: (4) CHORDS FACTORED WEBS MEMB. MAX. FACTORED FORCE VERT. LOAD LC1 MAX. MAX. MEMB. MAX. FACTORED FORCE MAX. (LBS) (PLF) CSI (LC) UNBRAC LENGTH FR-TO (LBS) CSI (LC) FR-TO A-B 0/36 -91.8 -91.8 0.04 (1) 10.00 R-C -584/0 0.05 (1) B-T -4460/0 -91.8 -91.8 0.11 (1) 5.35 C-Q 0/4593 0.41 (1) T-C -4460/0 -91.8 -91.8 0.11 (1) 5.35 Q-D -1804/0 0.15 (1) C-U -7818/0 -91.8 -91.8 0.42 (1) 3.99 D-O 0/1369 0.12 (1) U-V -7818/0 -91.8 -91.8 0.42 (1) 3.99 O-E -995/0 0.09 (1) V-W -7818/0 -91.8 -91.8 0.42 (1) 3.99 E-G 0/1361 0.12 (1) W-D -7818/0 -91.8 -91.8 0.42 (1) 3.99 G-M -1807/0 0.15 (1) D-X -9044/0 -91.8 -91.8 0.46 (1) 3.70 M-H 0/4590 0.41 (1) X-Y -9044/0 -91.8 -91.8 0.46 (1) 3.70 L-H -559/0 0.05 (1) Y-Z -9044/0 -91.8 -91.8 0.46 (1) 3.70 B-R 0/3808 0.34 (1) Z-E -9044/0 -91.8 -91.8 0.46 (1) 3.70 L-I 0/3791 0.34 (1) E-AA -9044/0 -91.8 -91.8 0.47 (1) 3.70 AA-F -9044/0 -91.8 -91.8 0.47 (1) 3.70 F-AB -9044/0 -91.8 -91.8 0.47 (1) 3.70 AB-AC -9044/0 -91.8 -91.8 0.47 (1) 3.70 AC-AD -9044/0 -91.8 -91.8 0.47 (1) 3.70 AD-G -9044/0 -91.8 -91.8 0.47 (1) 3.70 G-AE -7808/0 -91.8 -91.8 0.42 (1) 3.99 AE-AF -7808/0 -91.8 -91.8 0.42 (1) 3.99 AF-AG -7808/0 -91.8 -91.8 0.42 (1) 3.99 AG-H -7808/0 -91.8 -91.8 0.42 (1) 3.99 H-I -4469/0 -91.8 -91.8 0.10 (1) 5.35 I-J -0/36 -91.8 -91.8 0.04 (1) 10.00 J-K -3634/0 0.0 0.0 0.13 (1) 7.37 K-L -3600/0 0.0 0.0 0.13 (1) 7.40 S-AH 0/0 -18.5 -18.5 0.08 (4) 10.00 AH-AI 0/0 -18.5 -18.5 0.08 (4) 10.00 AI-R 0/0 -18.5 -18.5 0.08 (4) 10.00 R-AJ 0/3702 -18.5 -18.5 0.29 (1) 10.00 AJ-AK 0/3702 -18.5 -18.5 0.29 (1) 10.00 AK-AL 0/3702 -18.5 -18.5 0.29 (1) 10.00 AL-Q 0/3702 -18.5 -18.5 0.29 (1) 10.00 Q-AM 0/7819 -18.5 -18.5 0.58 (1) 10.00 AM-P 0/7819 -18.5 -18.5 0.58 (1) 10.00 P-AN 0/7819 -18.5 -18.5 0.58 (1) 10.00 AN-AO 0/7819 -18.5 -18.5 0.58 (1) 10.00 AO-O 0/7819 -18.5 -18.5 0.58 (1) 10.00 O-AP 0/7808 -18.5 -18.5 0.58 (1) 10.00 AP-AQ 0/7808 -18.5 -18.5 0.58 (1) 10.00 AQ-N 0/7808 -18.5 -18.5 0.58 (1) 10.00 N-AR 0/7808 -18.5 -18.5 0.58 (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. C/C LOADING IN FLAT 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, NBCC 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 (0.24") ALLOWABLE DEFL.(TL)= L/360 (1.25") CALCULATED VERT. DEFL.(TL)= L/999 (0.44") CSI: TO=0.47/1.00 (E-G:1), BC=0.58/1.00 (O-Q:1), WB=0.41/1.00 (H-M:1), SSI=0.20/1.00 (G-H:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00 COMPANION LIVE LOAD FACTOR = 1.00 AUTOSOLVE HEELS OFF TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (P.S.I) (P.L.I) (P.L.I) MAX MIN MAX MIN MAX MIN MT20 650 371 1747 738 1987 1873 PLATE PLACEMENT TOL = 0.250 inches PLATE ROTATION TOL = 5.0 Deg. JSI GRIP= 0.87 (H) (INPUT = 0.90) JSI METAL= 0.74 (P) (INPUT = 1.00)	
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CONTINUED ON PAGE 2

JOB NAME 417536	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 6.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:30:57 2021 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	5.0	8.0	1.50	3.00
C	TTWW-m	MT20	7.0	8.0	3.00	1.75
D	TMWV-t	MT20	5.0	6.0		
E	TMWV-w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWV-t	MT20	5.0	6.0		
H	TTWW-m	MT20	7.0	8.0	3.00	1.75
I	TMWV-p	MT20	5.0	6.0	1.50	3.00
K	BMV1-p	MT20	3.0	6.0		
L	BMWV-t	MT20	5.0	6.0		
M	BMWV-t	MT20	5.0	6.0	2.50	2.75
N	BS-t	MT20	5.0	6.0		
O	BMWVW-t	MT20	5.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWV-t	MT20	5.0	6.0	2.50	2.75
R	BMWV-t	MT20	5.0	6.0		
S	BMV1-p	MT20	3.0	6.0		

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MAX. FACTORED

MEMB. FORCE

(LBS)

FR-TO

AR-M

M-AS

AS-AT

AT-AU

AU-L

L-AV

AV-K

FACTORED

VERT. LOAD

(PLF)

FROM

TO

-18.5

-18.5

-18.5

-18.5

-18.5

-18.5

WEBS

MAX. FACTORED

MEMB. FORCE

(LBS)

FR-TO

AR-M

M-AS

AS-AT

AT-AU

AU-L

L-AV

AV-K

MAX. FACTORED

VERT. LOAD

(PLF)

FROM

TO

-18.5

-18.5

-18.5

-18.5

-18.5

-18.5

SPECIFIED CONCENTRATED LOADS (LBS)

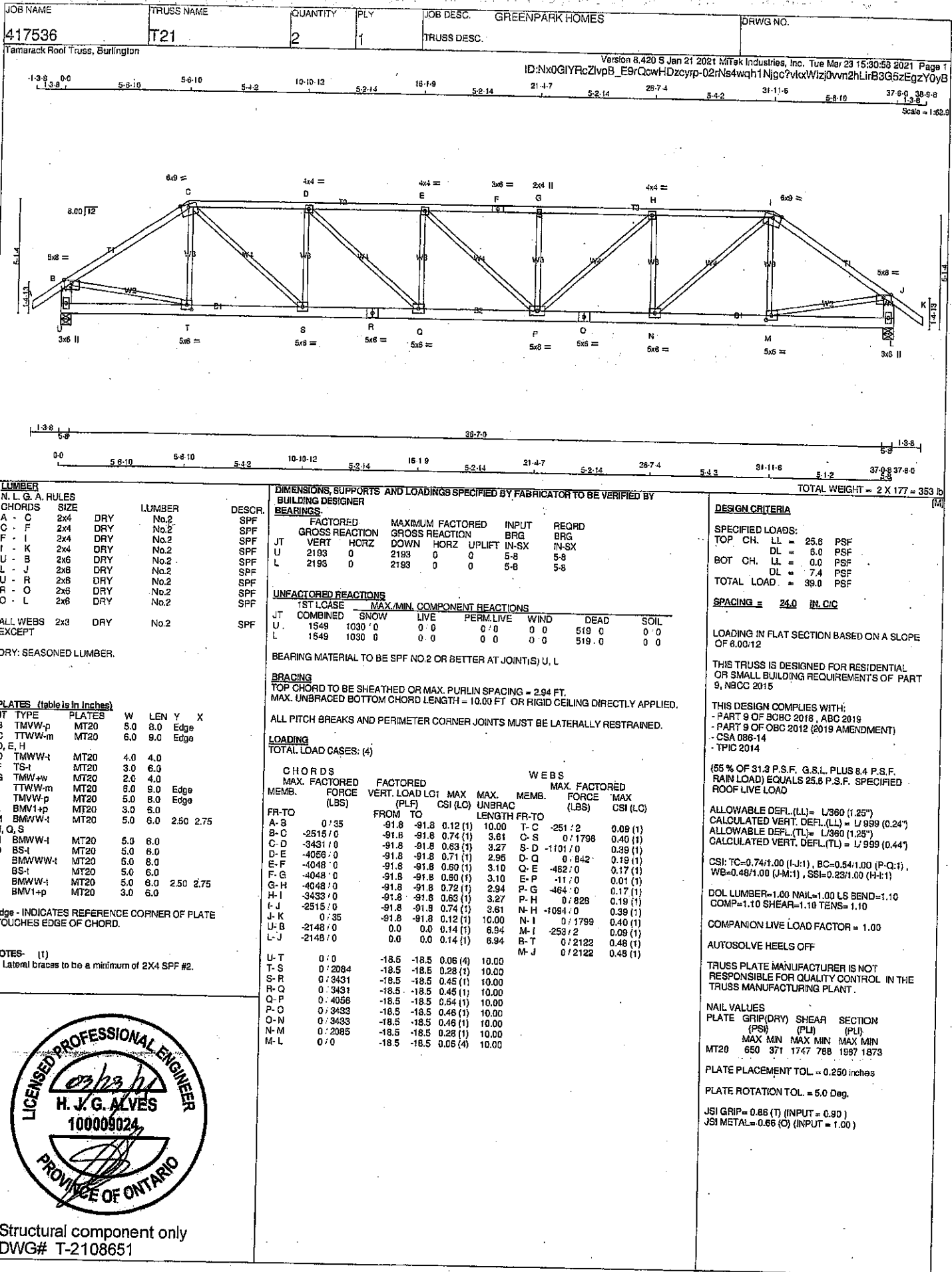
JT	LOC.	LC1	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-10	-40	-40	---	FRONT	VERT	DEAD	---	C1
C	4-0-10	-171	-171	---	FRONT	VERT	SNOW	---	C1
D	11-6-12	-78	-78	---	FRONT	VERT	TOTAL	---	C1
H	33-5-5	-40	-40	---	FRONT	VERT	DEAD	---	C1
H	33-5-5	-81	-81	---	FRONT	VERT	TOTAL	---	C1
H	33-5-5	-171	-171	---	FRONT	VERT	SNOW	---	C1
L	33-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
N	23-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
Q	11-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
T	3-6-12	-92	-92	---	FRONT	VERT	TOTAL	---	C1
U	5-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
V	7-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
W	9-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
X	13-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
Y	15-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
Z	17-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AA	19-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AB	21-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AC	23-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AD	25-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AE	27-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AF	29-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AG	31-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AH	1-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AI	3-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AJ	5-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AK	7-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AL	9-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AM	13-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AN	15-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AO	17-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AP	19-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AQ	21-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AR	25-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AS	27-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AT	29-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AU	31-8-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AV	35-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

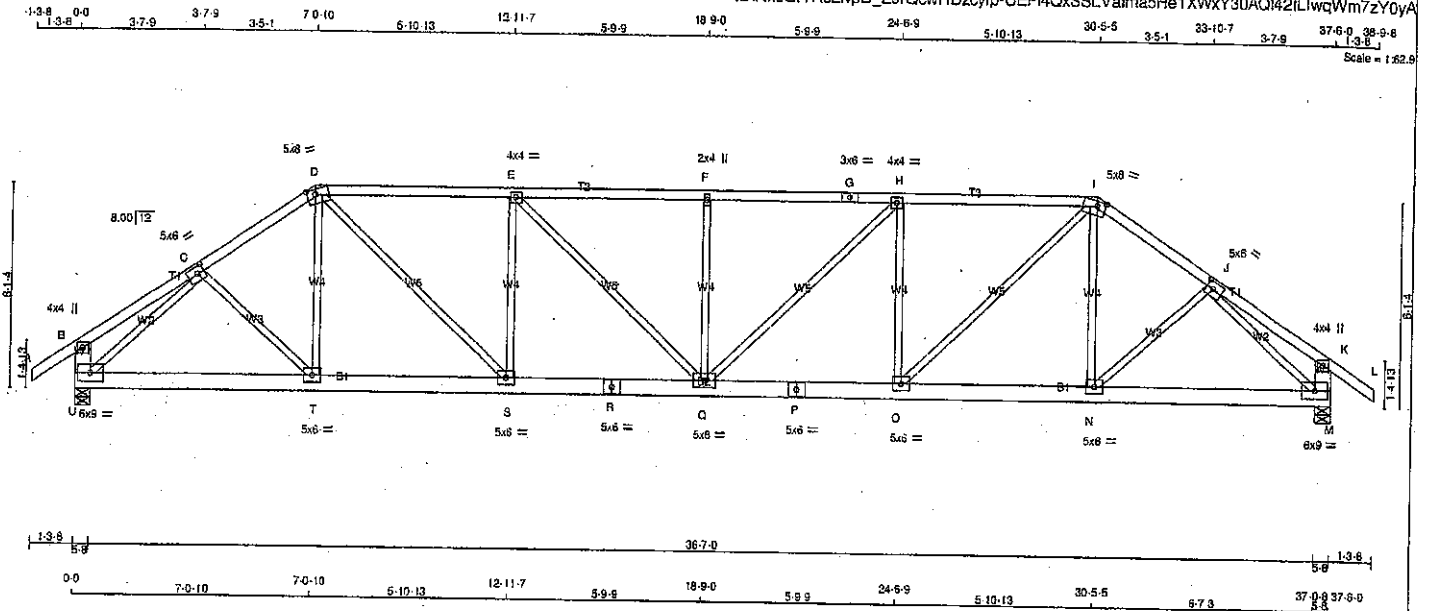
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108650



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417536	T22	2	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington						



LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE	LUMBER		DESCR
A - D	2x4	DRY	No.2	SFF
D - G	2x4	DRY	No.2	SFF
G - I	2x4	DRY	No.2	SFF
I - L	2x4	DRY	No.2	SFF
U - B	2x6	DRY	No.2	SFF
M - K	2x6	DRY	No.2	SFF
U - R	2x6	DRY	No.2	SFF
R - P	2x6	DRY	No.2	SFF
P - M	2x6	DRY	No.2	SFF
ALL WEBS	2x3	DRY	No.2	SFF
EXCEPT				
DRY; SEASONED LUMBER.				

PLATES (table is in inches)					
J	TYPE	PLATES	W	LEN	Y X
B	TMV-w	MT20	4.0	4.0	
C	TMVW-v	MT20	5.0	6.0	2.50 2.50
D	TTWV-w	MT20	5.0	8.0	1.75 3.00
E	TMVW-t	MT20	4.0	4.0	
F	TMV-w	MT20	2.0	4.0	
G	TS-t	MT20	3.0	6.0	
H	TMVW-t	MT20	4.0	4.0	
I	TTWV-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	4.0	4.0	
M	BMVW-t	MT20	5.0	9.0	
N, O, S, T					
P	SMVW-t	MT20	5.0	6.0	
Q	BS-t	MT20	5.0	6.0	
R	BMVWV-t	MT20	5.0	8.0	
U	BS-t	MT20	5.0	6.0	
R	BMVW-t	MT20	6.0	9.0	

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	IN-SX	IN-SX
U	2193	0	2193	0	0	5-8	5-8
M	2193	0	2193	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	1549	1030 0	0 0	0 0	0 0	519 0	0 0
M	1549	1030 0	0 0	0 0	0 0	519 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 = 3.10 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				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		LENGTH FR-TO			
A-B	0 '35	-91.8	-91.8 0.12 (1)	10.00	C-T	0 '142	0.03 (4)
B-C	0 '18	-91.8	-91.8 0.16 (1)	10.00	T-D	0 '91	0.03 (4)
C-D	-2527 '0	-91.8	-91.8 0.25 (1)	4.13	D-S	0 '1441	0.32 (1)
D-E	-3119 '0	-91.8	-91.8 0.74 (1)	3.28	S-E	-899 '0	0.49 (1)
E-F	-3416 '0	-91.8	-91.8 0.78 (1)	3.10	E-Q	0 '417	0.09 (1)
F-G	-3416 '0	-91.8	-91.8 0.78 (1)	3.10	Q-F	-489 '0	0.27 (1)
G-H	-3416 '0	-91.8	-91.8 0.78 (1)	3.10	H-Q	0 '417	0.09 (1)
H-I	-3119 '0	-91.8	-91.8 0.74 (1)	3.28	O-H	-899 '0	0.49 (1)
I-J	-2527 '0	-91.8	-91.8 0.25 (1)	4.13	C-I	0 '1440	0.32 (1)
J-K	0 '18	-91.8	-91.8 0.18 (1)	10.00	N-I	0 '91	0.03 (4)
K-L	0 '35	-91.8	-91.8 0.12 (1)	10.00	N-J	0 '141	0.03 (4)
U-B	-255 '0	0.0	0.0 0.02 (1)	7.81	U-C	-2731 '0	0.95 (1)
M-K	-255 '0	0.0	0.0 0.02 (1)	7.81	J-M	-2731 '0	0.95 (1)
U-T	0 '1979	-18.5	-18.5 0.29 (1)	10.00			
T-S	0 '2084	-18.5	-18.5 0.28 (1)	10.00			
S-R	0 '3119	-18.5	-18.5 0.42 (1)	10.00			
R-Q	0 '3119	-18.5	-18.5 0.42 (1)	10.00			
Q-P	0 '3119	-18.5	-18.5 0.42 (1)	10.00			
P-O	0 '3119	-18.5	-18.5 0.42 (1)	10.00			
O-N	0 '2085	-18.5	-18.5 0.29 (1)	10.00			
N-M	0 '1980	-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 BGBC 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) = $L/999$ (0.18")
 ALLOWABLE DEFL.(TL) = $L/360$ (1.25")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.33")

CSI: TC=0.78/1.00 (F-H:1), BC=0.42/1.00 (O-Q:1),
WB=0.95/1.00 (J-M:1), SSI=0.25/1.00 (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)	(PSI)	(PLI)	(PSI)	(PLI)
MT20	650	371	1747	788	1987	1873

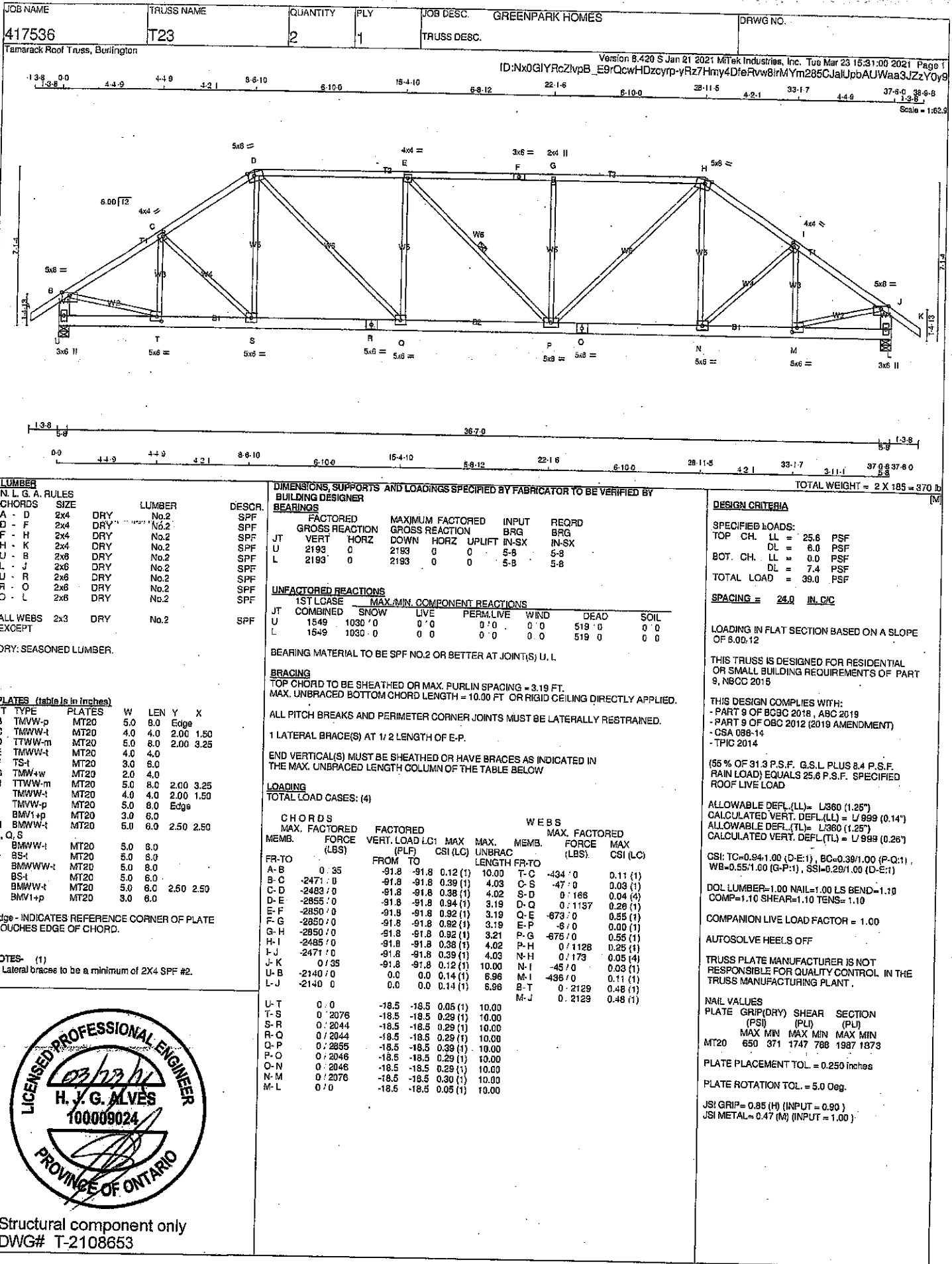
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

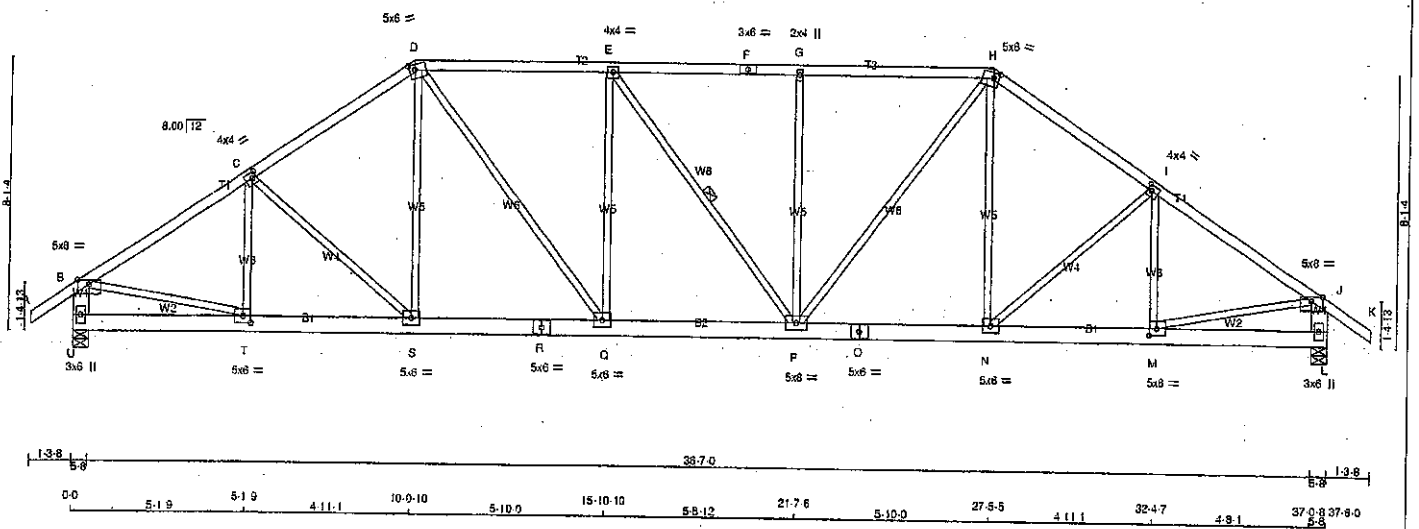
JSI GRIP= 0.88 (I) (INPUT = 0.90)
JSI METAL= 0.62 (C) (INPUT = 1.00)



Structural component only
DWG# T-2108652



JOB NAME 417536	TRUSS NAME T24	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 Mar 23 15:31:00 2021 Page 1	
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LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY No.2	SPF
D - F	2x4	DRY No.2	SPF
F - H	2x4	DRY No.2	SPF
H - K	2x4	DRY No.2	SPF
U - B	2x6	DRY No.2	SPF
L - J	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			
DRY, SEASONED LUMBER.			

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMWV-p	MT20	5.0	8.0 Edge
C	TMWV-i	MT20	4.0	4.0 2.00 1.50
D	TTWV-m	MT20	5.0	8.0 2.00 2.00
E	TMWV-i	MT20	4.0	4.0
F	TS-i	MT20	3.0	8.0
G	TMWV-w	MT20	2.0	4.0
H	TTWV-m	MT20	5.0	8.0 2.00 2.00
I	TMWV-i	MT20	4.0	4.0 2.00 1.50
J	TMWV-p	MT20	5.0	8.0 Edge
L	BMV1-p	MT20	3.0	8.0
M	BMV1-i	MT20	5.0	6.0 2.50 2.75
N, Q, S				
N	BMWV-t	MT20	5.0	8.0
O	BS-i	MT20	5.0	8.0
P	BMWV-w	MT20	5.0	8.0
R	BS-i	MT20	5.0	8.0
T	BMWV-i	MT20	5.0	8.0 2.50 2.75
U	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			
JT	VERT	HORZ	MAXIMUM FACTORED GROSS REACTION
U	2193	0	2193
L	2193	0	2193

UNFACTORED REACTIONS						
1ST LCASE	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD
U	1549	1030	0	0	0	519
L	1549	1030	0	0	0	519

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-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 (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO			
A-B	0	-91.8	10.00
B-C	-2528	-91.8	10.00
C-D	-2409	-91.8	10.00
D-E	-2492	-91.8	10.00
E-F	-2487	-91.8	10.00
F-G	-2487	-91.8	10.00
G-H	-2411	-91.8	10.00
H-I	-2527	-91.8	10.00
I-J	-2527	-91.8	10.00
J-K	0	-91.8	10.00
U-B	-2140	0.0	10.00
L-J	-2139	0.0	10.00
U-T	0	-18.5	10.00
T-S	0	-18.5	10.00
S-R	0	-18.5	10.00
R-Q	0	-18.5	10.00
Q-P	0	-18.5	10.00
P-O	0	-18.5	10.00
O-N	0	-18.5	10.00
N-M	0	-18.5	10.00
M-L	0	-18.5	10.00

TOTAL WEIGHT = 2 X 193 = 386 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 = 38.0 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 8 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 DEF. (LL) = L/960 (1.25")
CALCULATED VERT. DEF. (LL) = L/999 (0.12")
ALLOWABLE DEF. (TL) = L/360 (1.25")
CALCULATED VERT. DEF. (TL) = L/999 (0.22")

CSI: TC=0.46 (D-E-1), BC=0.33 (P-Q-1), WB=0.69 (G-P-1), SS=0.25 (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

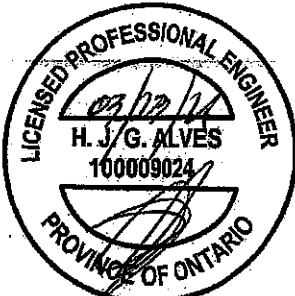
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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 = 0.89 (T) (INPUT = 0.90)
JSI METAL = 0.48 (M) (INPUT = 1.00)

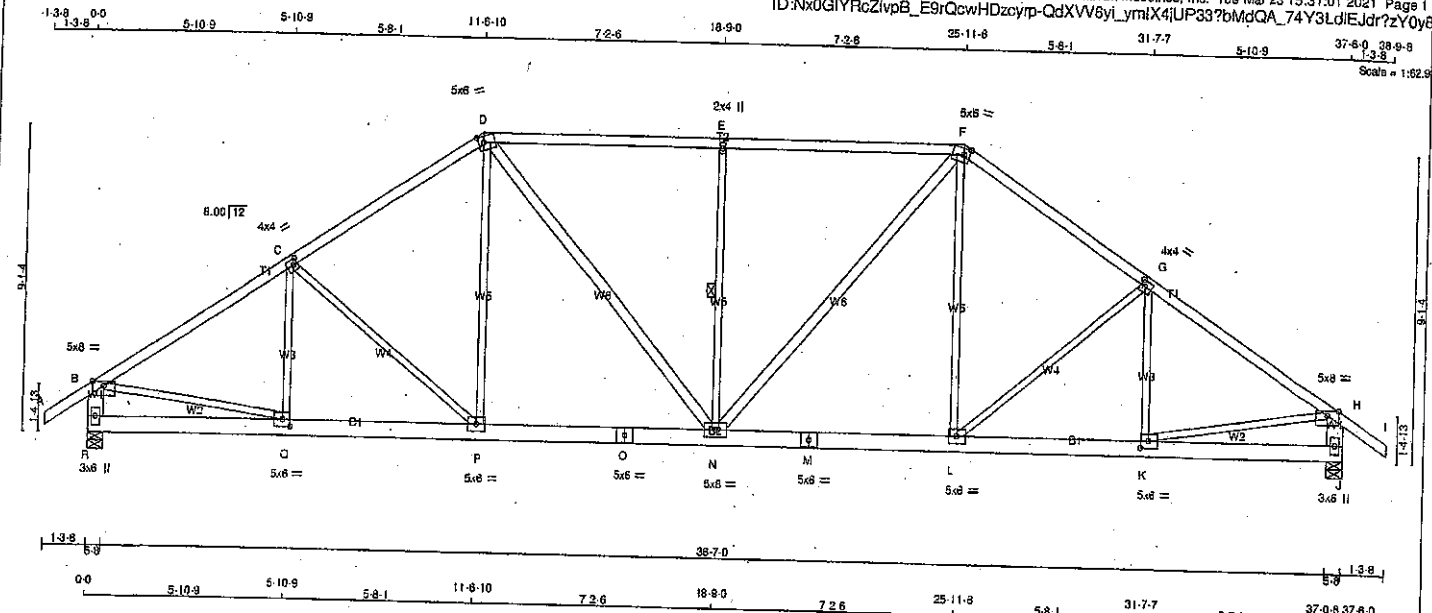


Structural component only
DWG# T-2108654

JOB NAME 417536	TRUSS NAME T25	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:31:01 2021 Page 1
ID: Nk0GIYRcZvpB_E9rQcwHDzcyip-QdXVV6yl_ymtX4UP33?bMqQA_74Y3LdIEJdr?2Y0y6



TOTAL WEIGHT = 2 X 196 = 391 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	
F - J	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.					

DRY: SEASONED LUMBER.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD. BRG
JT	VERT 2193	0	0	5-8
R	HORZ 2193	0	0	5-8
J	UPLIFT 2193	0	0	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
R	1549	1030 0 0 0 0 0 0
J	1549	1030 0 0 0 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 = 3.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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	CHORDS	WEBS
TOTAL LOAD CASES: (4)	MAX. FACTORED	MAX. FACTORED
	MEMB. FORCE (LBS)	MEMB. FORCE (LBS)
	FR-TO	FR-TO
	A-B	0 -35
	B-C	-2556 / 0
	C-D	-2323 / 0
	D-E	-2293 / 0
	E-F	-2293 / 0
	F-G	-2323 / 0
	G-H	-2557 / 0
	H-I	0 / 35
	I-J	-2137 / 0
	J-K	-2137 / 0
	K-L	0 / 0
	L-M	0 / 2156
	M-N	0 / 1905
	N-O	0 / 1905
	O-P	0 / 1905
	P-Q	0 / 1905
	Q-R	0 / 2157
	R-S	0 / 0
	S-T	-18.5 -18.5 0.07 (4)
	T-U	-18.5 -18.5 0.30 (1)
	U-V	-18.5 -18.5 0.27 (1)
	V-W	-18.5 -18.5 0.27 (1)
	W-X	-18.5 -18.5 0.27 (1)
	X-Y	-18.5 -18.5 0.27 (1)
	Y-Z	-18.5 -18.5 0.30 (1)
	Z-A	-18.5 -18.5 0.07 (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 5.00:12

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 (2018 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 (1.25")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

CSI: TC=0.74/1.00 (D-E:1), BC=0.30/1.00 (K-L:1), WB=0.49/1.00 (H-K:1), SS=0.32/1.00 (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= 0.49 (Q) (INPUT = 1.00)



Structural component only
DWG# T-2108655

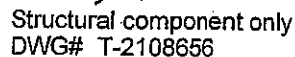
Tamarack Roof Truss, Burlington



DRY: SEASONED LUMBER.

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

NOTES: (1)



BEARINGS

UNFACTORED REACTIONS

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-R, F-P, I-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)

T-S	0.0	-18.5	-18.5	0.08 (4)	10.00
S-R	0.2173	-18.5	-18.5	0.30 (1)	10.00
R-Q	0.1817	-18.5	-18.5	0.25 (1)	10.00
Q-P	0.1817	-18.5	-18.5	0.25 (1)	10.00
P-Q	0.1817	-18.5	-18.5	0.25 (1)	10.00
C-N	0.1817	-18.5	-18.5	0.25 (1)	10.00
N-M	0.2174	-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:

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 SCBC 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 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.72/1.00 (I-J:1), BC=0.30/1.00 (M-N:1),
WB=0.49/1.00 (J-M:1), SSI=0.25/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

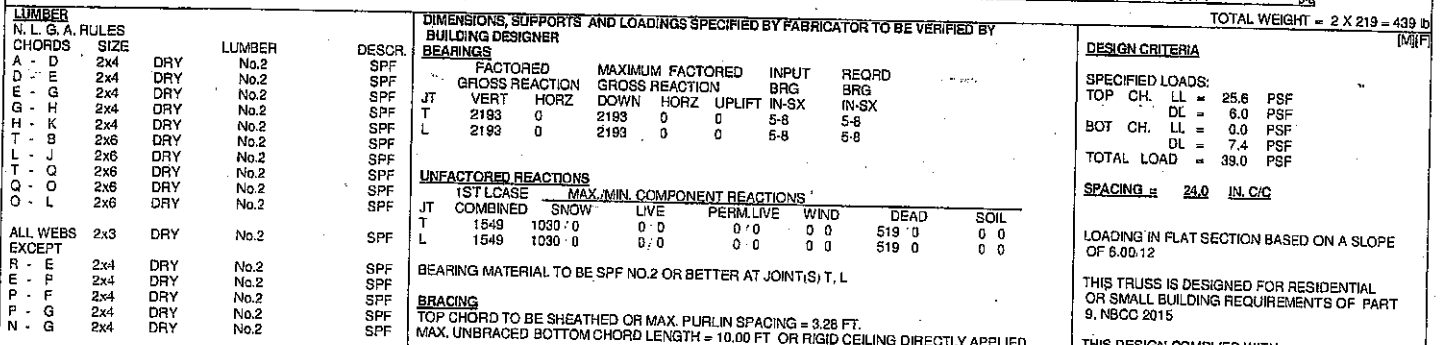
PLATE	GRIP (DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.86 (S) (INPUT = 0.90)
JSI METAL = 0.49 (S) (INPUT = 1.00)

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:31:03 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQcwHDzcypr-N0fGwo_yWa00mOtSvUJ6TgnjYopUdzpwCYckwuzY0y6
-13.8 0.0 7.4.9 7.4.9 7.2.1 14.6-10 4.2-6 18-9.0 22-11.6 7.2-1 30-1.7 7.4.9 37.6-0.38-9.8
1.3-8 1.3-8
5x8 =
Scale = 1:67.8

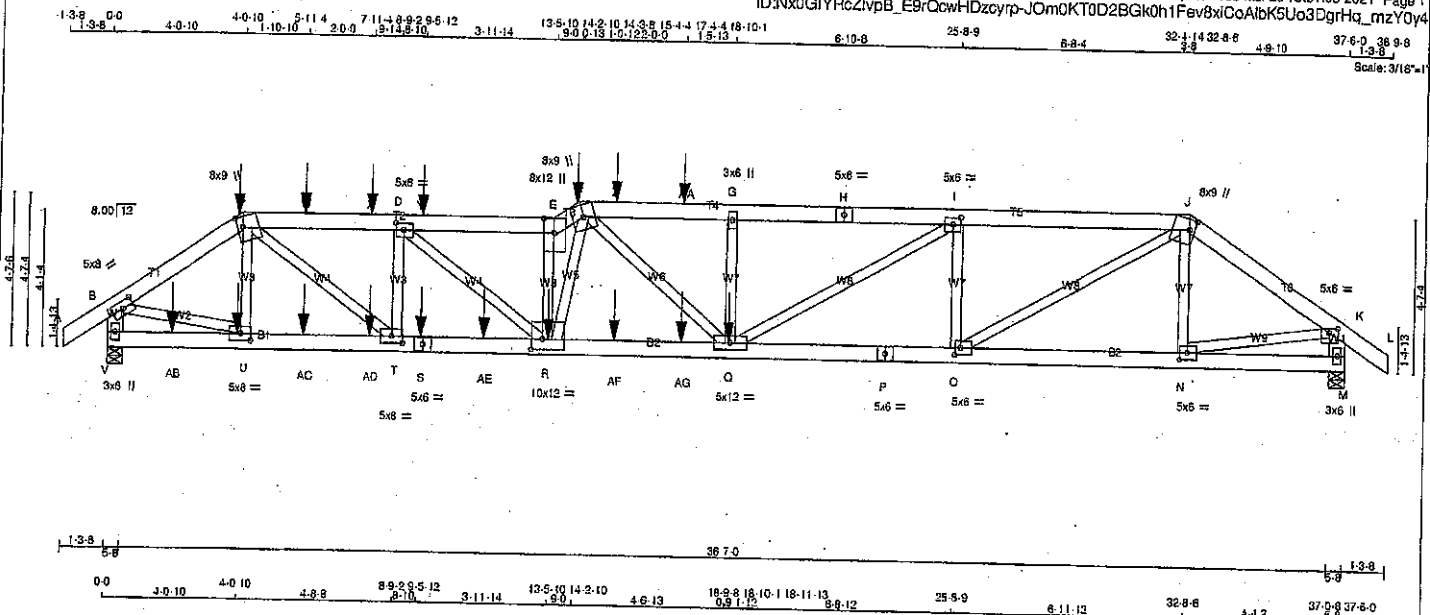


	T-S 0 : 0 -18.5 -18.5 0.10 (4) 10.00 S-R 0 : 2178 -18.5 -18.5 0.31 (f) 10.00 R-Q 0 : 1724 -18.5 -18.5 0.24 (1) 10.00 Q-P 0 : 1724 -18.5 -18.5 0.24 (1) 10.00 P-O 0 : 1725 -18.5 -18.5 0.24 (1) 10.00 O-N 0 : 1725 -18.5 -18.5 0.24 (1) 10.00 N-M 0 : 2179 -18.5 -18.5 0.31 (1) 10.00 M-L 0 : 0 -18.5 -18.5 0.10 (4) 10.00	NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (FSI) (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 = 0.85 (S) (INPUT = 0.90) JSI METAL = 0.50 (S) (INPUT = 1.00)
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JOB NAME 417536	TRUSS NAME T28	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 Mtek Industries, Inc. Tue Mar 23 15:31:05 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rCcwHDzcyrp-JOm0KT0D2BGk0h1Fev8xiCoAbKSUo3DgrHq_mzY0y4
Scale: 3/16"=1'



TOTAL WEIGHT = 2 X 220 = 441 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF	
C - E	2x6	DRY	No.2	SPF	
E - F	2x6	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
H - J	2x6	DRY	No.2	SPF	
J - L	2x6	DRY	No.2	SPF	
V - B	2x6	DRY	No.2	SPF	
M - K	2x6	DRY	No.2	SPF	
V - S	2x6	DRY	No.2	SPF	
S - P	2x6	DRY	No.2	SPF	
P - M	2x6	DRY	No.2	SPF	

ALL WEBS 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	2	12
C-E	2	12
E-F	2	12
F-H	2	12
H-J	2	12
J-L	2	12
V-B	2	12
M-K	2	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
V-S	2	12
S-P	2	12
P-M	2	12
WEBS : (0.122"x3") SPIRAL NAILS		
2x4	1	6
G-Q	1	4

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

FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP
V	5285	0	5-8
M	4223	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
V	3720	2537	0	0	0	1184	0
M	2974	2019	0	0	0	955	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MEMB.	FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO							U-C				
A-B	0/36		-91.8	-91.8	0.04 (1)	10.00	C-T	-1032	0	0.09 (1)	0.56 (1)
B-C	-6895	0	-91.8	-91.8	0.13 (1)	4.63	T-D	-3634	0	0.31 (1)	0.49 (1)
C-W	-10551	0	-91.8	-91.8	0.28 (1)	3.58	D-R	-4489	0	0.28 (1)	0.06 (1)
W-X	-10551	0	-91.8	-91.8	0.28 (1)	3.58	R-E	-9705	0	0.06 (1)	0.07 (1)
X-D	-10551	0	-91.8	-91.8	0.28 (1)	3.58	E-F	-7843	0	0.06 (1)	0.07 (1)
D-Y	-14043	0	-91.8	-91.8	0.41 (1)	2.98	F-G	-553	0	0.06 (1)	0.07 (1)
Y-E	-14043	0	-91.8	-91.8	0.41 (1)	2.98	G-H	-5682	0	0.06 (1)	0.07 (1)
E-F	-17124	0	-91.8	-91.8	0.36 (1)	2.72	H-I	-4585	0	0.06 (1)	0.07 (1)
F-Z	-13822	0	-91.8	-91.8	0.42 (1)	3.05	I-J	-1518	0	0.06 (1)	0.07 (1)
Z-AA	-13822	0	-91.8	-91.8	0.42 (1)	3.05	J-K	-6250	0	0.06 (1)	0.07 (1)
AA-G	-13822	0	-91.8	-91.8	0.42 (1)	3.05	K-L	-3091	0	0.06 (1)	0.07 (1)
G-H	-13822	0	-91.8	-91.8	0.51 (1)	3.02	L-M	-4197	0	0.06 (1)	0.07 (1)
H-I	-13822	0	-91.8	-91.8	0.51 (1)	3.02	M-N	-4197	0	0.06 (1)	0.07 (1)
I-J	-9874	0	-91.8	-91.8	0.34 (1)	3.68					
J-K	-5435	0	-91.8	-91.8	0.15 (1)	4.92					
K-L	0/36		-91.8	-91.8	0.04 (1)	10.00					
V-B	-5240	0	0.0	0.0	0.19 (1)	6.38					
M-K	-4197	0	0.0	0.0	0.15 (1)	8.97					
V-AB	0/0		-18.5	-18.5	0.03 (4)	10.00					
AB-U	0/0		-18.5	-18.5	0.03 (4)	10.00					
U-AC	0/5514		-18.5	-18.5	0.38 (1)	10.00					
AC-AD	0/5514		-18.5	-18.5	0.38 (1)	10.00					
AD-T	0/5514		-18.5	-18.5	0.38 (1)	10.00					
T-S	0/10551		-18.5	-18.5	0.81 (1)	10.00					
S-AE	0/10551		-18.5	-18.5	0.81 (1)	10.00					
AE-R	0/10551		-18.5	-18.5	0.81 (1)	10.00					
R-AF	0/12700		-18.5	-18.5	1.00 (1)	10.00					
AF-AG	0/12700		-18.5	-18.5	1.00 (1)	10.00					
AG-Q	0/12700		-18.5	-18.5	1.00 (1)	10.00					
Q-P	0/9874		-18.5	-18.5	0.69 (1)	10.00					
P-O	0/9874		-18.5	-18.5	0.69 (1)	10.00					
O-N	0/4489		-18.5	-18.5	0.33 (1)	10.00					
N-M	0/0		-18.5	-18.5	0.05 (4)	10.00					

LOC.	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
JT	4-0-10	-40	-40	FRONT	VERT	---	C1
C	4-0-10	-81	-81	BACK	VERT	---	C1
C	4-0-10	-171	-171	FRONT	VERT	---	C1
F	14-3-8	-58	-58	FRONT	VERT	---	C1
F	14-3-8	-246	-246	FRONT	VERT	---	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 = 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 ALL FLAT SECTIONS 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, NBCC 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 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.38")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/558 (0.68")

CSI: TC=0.51/1.00 (G-I:1), BC=1.00/1.00 (Q-R:1), WB=0.83/1.00 (E-R:1), SS=0.18/1.00 (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

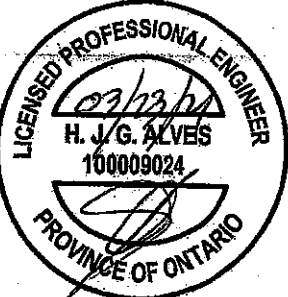
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (T) (INPUT = 0.90)
JSI METAL= 0.95 (S) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2108658 1/2

JOB NAME 417536	TRUSS NAME T28	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:31:05 2021 Page 2
ID:Nx0GIYRcZlvB E9rQcwHDzcyrg-JOm0KTD2BGk0h1Fev8xiCoAlbK5Uo3Dgr-Iq_mzY0y4

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.75
C	TTWW+m	MT20	8.0	9.0	3.75	2.00
D	TMWW-t	MT20	5.0	6.0	2.50	2.75
E	TTW+p	MT20	8.0	12.0	5.50	3.75
F	TTWW+m	MT20	8.0	9.0		
G	TMW+w	MT20	3.0	6.0		
H	TS-t	MT20	5.0	6.0		
I	TMWW-t	MT20	5.0	8.0	2.50	2.75
J	TTWW+m	MT20	8.0	9.0	3.75	1.75
K	TMVW-p	MT20	5.0	6.0	1.50	3.00
M	BMV1+p	MT20	3.0	6.0		
N	BMWW-t	MT20	5.0	6.0	2.50	2.75
O	BMWW-t	MT20	5.0	6.0	2.50	2.00
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	12.0		
R	BMWW-t	MT20	10.0	12.0	3.75	4.00
S	BS-t	MT20	5.0	6.0		
T	BMWW-t	MT20	5.0	8.0	2.50	3.75
U	BMWW-t	MT20	5.0	8.0	2.50	3.75
V	BMV1+p	MT20	3.0	6.0		

NOTES- (1)

1) Lateral braces to be a minimum of 2X1 SPF #2.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Q	18-9-8	-1737	-1737	---	BACK	VERT	TOTAL	---	C1
R	13-4-4	-143	-143	---	BACK	VERT	TOTAL	---	C1
S	9-5-12	-21	-21	---	BACK	VERT	TOTAL	---	C1
U	3-11-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
W	5-11-4	-76	-76	---	BACK	VERT	TOTAL	---	C1
X	7-11-4	-76	-76	---	BACK	VERT	TOTAL	---	C1
Y	9-5-12	-76	-76	---	BACK	VERT	TOTAL	---	C1
Z	15-4-4	-47	-47	---	BACK	VERT	TOTAL	---	C1
AA	17-4-4	-47	-47	---	BACK	VERT	TOTAL	---	C1
AB	1-11-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AC	5-11-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AD	7-11-4	-21	-21	---	BACK	VERT	TOTAL	---	C1
AE	11-4-4	-143	-143	---	BACK	VERT	TOTAL	---	C1
AF	15-4-4	-143	-143	---	BACK	VERT	TOTAL	---	C1
AG	17-4-4	-143	-143	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2108658 *me*

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ID:Nx0GIYRcZvpB_E9rQcWHDzcypr-nbKOYp0rVObdrC8d4IPLj?pidGIvMv10WDZy0y3

1-3.8 0.0 3.11-8 3.11-8 5.0-4 2.0-0 7.0-4 8.6-0 4.6-8 13.0-6 13.8-5 13.10-0 13.11-8 18.7-0 19.10-8 8.0 1.8-4.8 4.7-8 1.3-9

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



DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER							
<u>BEARINGS</u>							
FACTORED GROSS REACTION			MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQ'D BRG
VERT	HORZ		DOWN	HORZ	UPLIFT	IN-SX	IN-SX
2031	0		2031	0	0	5-8	5-8
2174	0		2174	0	0	5-8	5-8
UNFACTORED REACTIONS							

UNFACTORED REACTIONS							
1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	1429	980.0	0.0	0.0	0.0	449.0	0.0
I	1529	1052.0	0.0	0.0	0.0	477.0	0.0

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

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

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

LOADING IN ALL FLAT SECTIONS 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 ECBC 2018 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 686-14
- 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.62/1.00 (D-E:1), BC=0.38/1.00 (J-L:1),
WB=0.74/1.00 (E-J:1), SS=0.33/1.00 (D-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 LEFT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
AT20	650	371	1747	768	1987	1873

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.88 (F) (INPUT = 0.90)
SI METAL= 0.86 (B) (INPUT = 1.00)

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

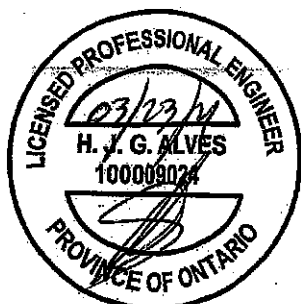
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LOCI MAX CSI (LC)	MAX. MEMBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX CSI (LC)		
FR-TO		FROM	TO		FR-TO				
A-B	0:35	-91.8	-91.8	0.14 (1)	10.00	M-C		0.27 (1)	
B-C	-1632 / 0	-91.8	-91.8	0.33 (1)	4.79	C-L	0:1236	0.31 (1)	
C-O	-2175 / 0	-91.8	-91.8	0.62 (1)	3.78	L-D	-765 / 0	0.32 (1)	
O-P	-2175 / 0	-91.8	-91.8	0.62 (1)	3.78	L-E	0:558	0.32 (1)	
P-Q	-2175 / 0	-91.8	-91.8	0.62 (1)	3.78	B-M	0:1562	0.14 (1)	
Q-D	-2175 / 0	-138.3	-138.3	0.62 (1)	3.78	J-G	0:1717	0.43 (1)	
D-E	-2175 / 0	-138.3	-138.3	0.62 (1)	3.78	J-F	0:1180	0.29 (1)	
E-F	-1853 / 0	-91.8	-91.8	0.05 (1)	4.88	E-J	-1736.0	0.74 (1)	
F-G	-1853 / 0	-91.8	-91.8	0.50 (1)	4.33				
G-H	0:35	-91.8	-91.8	0.14 (1)	10.00				
H-B	-1993 / 0	0.0	0.0	0.29 (1)	5.92				
B-G	-2128 / 0	0.0	0.0	0.31 (1)	5.78				
N-R	0 / 0	-18.5	-18.5	0.05 (4)	10.00				
R-M	0 / 0	-18.5	-18.5	0.05 (4)	10.00				
M-S	0:1342	-18.5	-18.5	0.22 (1)	10.00				
S-T	0:1342	-18.5	-18.5	0.22 (1)	10.00				
T-L	0:1342	-18.5	-18.5	0.22 (1)	10.00				
L-U	0:1798	-18.5	-18.5	0.36 (1)	10.00				
U-V	0:1798	-18.5	-18.5	0.36 (1)	10.00				
V-K	0:1798	-18.5	-18.5	0.36 (1)	10.00				
K-W	0:1798	-18.5	-18.5	0.36 (1)	10.00				
W-J	0:1798	-18.5	-18.5	0.36 (1)	10.00				
X	0 / 0	-18.5	-18.5	0.10 (4)	10.00				
Y	0 / 0	-18.5	-18.5	0.10 (4)	10.00				
I	0 / 0	-18.5	-18.5	0.10 (4)	10.00				

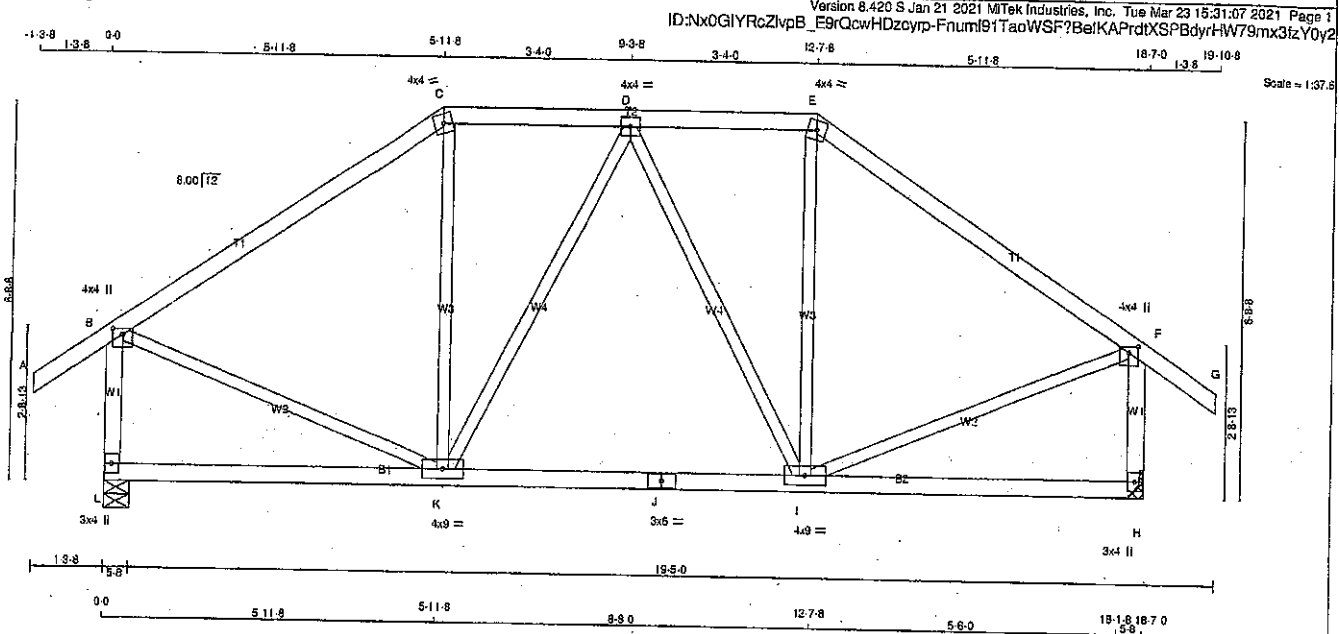
SPECIFIED CONCENTRATED LOADS (LBS)

J	T	LOC.	LO1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	F	3-11-0	-151	-151	---	FRONT	VERT	TOTAL	---	C1
M	O	13-10-0	-431	-431	---	FRONT	VERT	TOTAL	---	C1
P	O	4-0-4	-14	-14	---	FRONT	VERT	TOTAL	---	C1
R	S	5-0-4	-62	-62	---	FRONT	VERT	TOTAL	---	C1
T	U	7-0-4	-62	-62	---	FRONT	VERT	TOTAL	---	C1
V	W	1-11-4	-14	-14	---	FRONT	VERT	TOTAL	---	C1
X	Y	5-0-4	-14	-14	---	FRONT?	VERT	TOTAL	---	C1
Z		7-0-4	-14	-14	---	FRONT	VERT	TOTAL	---	C1
		8-11-8	-332	-332	---	FRONT	VERT	TOTAL	---	C1
		11-0-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
		13-0-4	-19	-19	---	FRONT	VERT?	TOTAL	---	C1
		14-7-12	-19	-19	---	FRONT	VERT	TOTAL	---	C1
		16-7-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1



Structural component only
DWG# T-2108659

JOB NAME 417536	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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
L - B	2x4	DRY	No.2
L - F	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - H	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMVW+p	MT20	4.0	4.0 1.25 2.00
C	TTW-m	MT20	4.0	4.0
D	TMVW-l	MT20	4.0	4.0
E	TTW-m	MT20	4.0	4.0
F	TMVW+p	MT20	4.0	4.0 1.25 2.00
H	BMV-l+p	MT20	3.0	4.0
I	BMVWW-l	MT20	4.0	9.0
J	BS-l	MT20	3.0	8.0
K	BMVWW-l	MT20	4.0	9.0
L	BMV-l+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	HORZ	UPLIFT	IN-SX
L	1150	0	1150	0	5-8
H	1150	0	1150	0	MECHANICAL

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

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	811	545.0	0.0	0.0	0.0	265.0	0.0
H	811	545.0	0.0	0.0	0.0	265.0	0.0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.16 FT.
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	K-C	0.83	0.03 (4)
B-C	-785.0	-91.8	-91.8 0.43 (1)	6.16	K-D	-208.0	0.21 (1)
C-D	-662.0	-91.8	-91.8 0.13 (1)	8.25	D-I	-208.0	0.21 (1)
D-E	-662.0	-91.8	-91.8 0.13 (1)	8.25	E-I	0.83	0.03 (4)
E-F	-785.0	-91.8	-91.8 0.43 (1)	6.16	B-K	0.712	0.16 (1)
F-G	0.35	-91.8	-91.8 0.12 (1)	10.00	I-F	0.712	0.16 (1)
L-B	-1105.0	0.0	0.0 0.16 (1)	7.53			
H-F	-1105.0	0.0	0.0 0.16 (1)	7.53			
L-K	0.0	-18.5	-18.5 0.17 (4)	10.00			
K-J	0.758	-18.5	-18.5 0.23 (4)	10.00			
J-I	0.758	-18.5	-18.5 0.23 (4)	10.00			
I-H	0.0	-18.5	-18.5 0.17 (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. 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 8 OF CBC 2018, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 085-14
- 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) = $L/999$ (0.05")

CSI: TC=0.43:1.00 (B-C:1), BC=0.23:1.00 (I-K:4), WB=0.21:1.00 (D-I:1), SI=0.18:1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.76 (F) (INPUT = 0.90)
JSI METAL = 0.28 (J) (INPUT = 1.00)



Structural component only
DWG# T-2108660

JOB NAME 417536	TRUSS NAME T32	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 M/Tek Industries, Inc. Tue Mar 23 15:31:09 2021 Page 2
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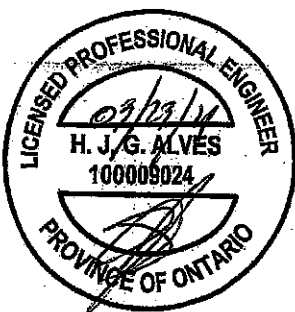
PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
E	BMWW-t	MT20	5.0	8.0	4.25 2.50
F	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.

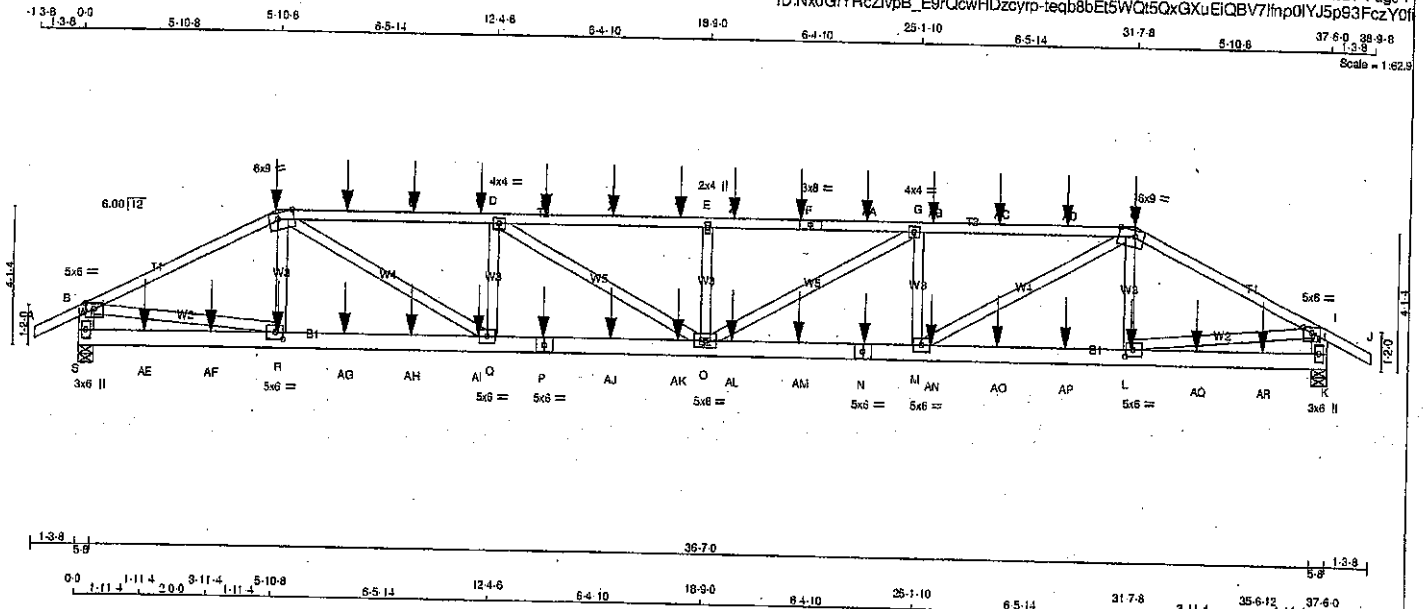


Structural component only
DWG# T-2108662 *2/2*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
417537	T40	1	2	GREENPARK HOMES		

Tambrack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:50:41 2021 Page 1
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Scale = 1:62.5



TOTAL WEIGHT = 2 X 181 = 361 lb

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - F	2x4	DRY 2100F 1.8E	SPF
F - H	2x4	DRY 2100F 1.8E	SPF
H - J	2x4	DRY No.2	SPF
J - K	2x6	DRY No.2	SPF
K - L	2x6	DRY No.2	SPF
L - M	2x6	DRY No.2	SPF
M - N	2x6	DRY No.2	SPF
N - O	2x6	DRY No.2	SPF
O - P	2x6	DRY No.2	SPF
P - Q	2x6	DRY No.2	SPF
Q - R	2x6	DRY No.2	SPF
R - S	2x6	DRY No.2	SPF
S - T	2x6	DRY No.2	SPF
T - U	2x6	DRY No.2	SPF
U - V	2x6	DRY No.2	SPF
V - W	2x6	DRY No.2	SPF
W - X	2x6	DRY No.2	SPF
X - Y	2x6	DRY No.2	SPF
Y - Z	2x6	DRY No.2	SPF
Z - A	2x6	DRY No.2	SPF

ALL WEBS 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(61.0)
C - F	12	SIDE(65.9)
F - H	12	SIDE(65.9)
H - J	12	SIDE(61.0)
J - K	12	TOP
K - L	12	TOP
L - M	12	SIDE(183.1)
M - N	12	SIDE(183.1)
N - O	12	SIDE(183.1)
O - P	12	SIDE(183.1)
P - Q	12	SIDE(183.1)
Q - R	12	SIDE(183.1)
R - S	12	SIDE(183.1)
S - T	12	SIDE(183.1)
T - U	12	SIDE(183.1)
U - V	12	SIDE(183.1)
V - W	12	SIDE(183.1)
W - X	12	SIDE(183.1)
X - Y	12	SIDE(183.1)
Y - Z	12	SIDE(183.1)
Z - A	12	SIDE(183.1)
ALL WEBS EXCEPT		

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

FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT 3457 0	DOWN 3457 0	5-8	5-8
K VERT 3459 0	DOWN 3459 0	5-8	5-8

UNFACTORED REACTIONS

1ST LOOSE	MAX./MIN. COMPONENT REACTIONS
JT COMBINED SNOW	LIVE PERM.LIVE WIND DEAD SOIL
S 2447 1595 0 0 0 0 0 0 0 0	
K 2448 1596 0 0 0 0 0 0 0 0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.73 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO					FR-TO		
A-B	0 / 28	-91.8	-91.8 0.07 (1)	10.00	R-C	-398 / 31	0.04 (1)
B-C	-5308 / 0	-91.8	-91.8 0.51 (1)	3.73	C-Q	0 / 3621	0.32 (1)
C-T	-7870 / 0	-91.8	-91.8 0.51 (1)	3.94	Q-D	-1604 / 0	0.15 (1)
T-U	-7870 / 0	-91.8	-91.8 0.51 (1)	3.94	D-O	0 / 1077	0.10 (1)
U-V	-7870 / 0	-91.8	-91.8 0.51 (1)	3.94	O-E	-883 / 0	0.08 (1)
V-D	-7870 / 0	-91.8	-91.8 0.51 (1)	3.94	O-G	0 / 1070	0.09 (1)
D-W	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73	M-G	-1608 / 0	0.15 (1)
W-X	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73	M-H	0 / 3625	0.32 (1)
X-Y	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73	L-H	-398 / 31	0.04 (1)
Y-E	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73	B-R	0 / 4784	0.42 (1)
E-Z	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73	L-I	0 / 4788	0.42 (1)
Z-F	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73			
F-AA	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73			
AA-G	-8801 / 0	-91.8	-91.8 0.55 (1)	3.73			
G-AB	-7877 / 0	-91.8	-91.8 0.51 (1)	3.94			
AB-AC	-7877 / 0	-91.8	-91.8 0.51 (1)	3.94			
AC-AD	-7877 / 0	-91.8	-91.8 0.51 (1)	3.94			
AD-H	-7877 / 0	-91.8	-91.8 0.51 (1)	3.94			
H-I	-5311 / 0	-91.8	-91.8 0.51 (1)	3.73			
I-J	0 / 28	-91.8	-91.8 0.07 (1)	10.00			
S-B	-3384 / 0	0.0	0.0 0.12 (1)	7.57			
K-I	-3385 / 0	0.0	0.0 0.12 (1)	7.57			

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, 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) = U/999 (0.26")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = U/942 (0.48")

CSI: TC=0.53/1.00 (E-G-1), BC=0.58/1.00 (M-O-1), WB=0.42/1.00 (L-1), SS=0.26/1.00 (G-H-1)

DOL LUMBER=1.00 NAIL=1.00 LS BENDO=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)
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 (R) (INPUT = 0.90)

JSI METAL = 0.73 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2108675 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T40	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 9.420 S Jan 21 2021 M Tek Industries, Inc. Tue Mar 23 15:50:41 2021 Page 2
ID: Nx0GIYRcZlvpB E9rQcwHDzcymp-1eqb8bE35WQ15QxGXuEIQ8V7lmp0IYJ5p93FczY0f

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	2.00	3.00
C TTWW-m	MT20	5.0	9.0	Edge	5.75
D TMVW-t	MT20	4.0	4.0		
E TMVW-w	MT20	2.0	4.0		
F TS-t	MT20	3.0	8.0		
G TMVW-t	MT20	4.0	4.0		
H TTWW-m	MT20	6.0	9.0	Edge	5.75
I TMVW-p	MT20	5.0	6.0	2.00	3.00
K BMV1-p	MT20	3.0	6.0		
L BMVW-t	MT20	5.0	6.0	2.50	2.75
M BMVW-t	MT20	5.0	6.0		
N BS-t	MT20	5.0	6.0		
O BMVWW-t	MT20	5.0	8.0		
P BS-t	MT20	5.0	6.0		
Q BMVW-t	MT20	5.0	6.0		
R BMVW-t	MT20	5.0	6.0	2.50	2.75
S 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.

LOADING

TOTAL LOAD CASES: (4)

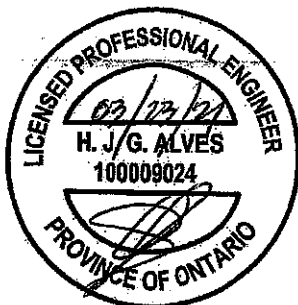
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LCI MAX (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO					
L-AQ	0/0	-18.5 -18.5	0.06 (4)	10.00			
AQ-AR	0/0	-18.5 -18.5	0.06 (4)	10.00			
AR-K	0/0	-18.5 -18.5	0.06 (4)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-254	-76	---	FRONT	VERT	TOTAL	---	C1
F	21-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
H	31-7-8	-254	-254	---	FRONT	VERT	TOTAL	---	C1
L	31-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
N	23-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
P	13-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
R	5-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
U	9-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
V	11-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
W	13-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
X	15-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
Y	17-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
Z	19-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AA	23-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AB	25-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AC	27-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AD	29-6-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
AE	1-11-4	-20	-20	---	FRONT	VERT	TOTAL	---	C1
AF	3-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AG	7-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AH	9-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AI	11-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AJ	15-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AK	17-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AL	19-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AM	21-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AN	25-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AO	27-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AP	29-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AQ	33-6-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
AR	35-6-12	-20	-20	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

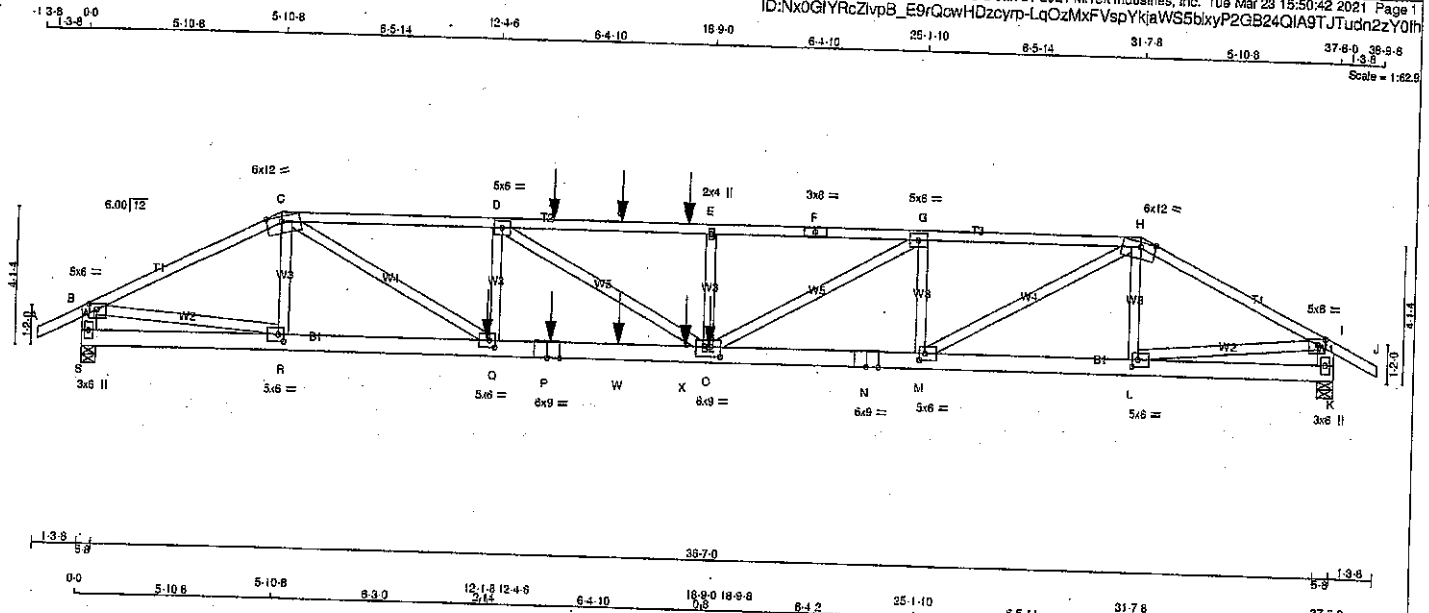
(1) C1: A SUITABLE HANGER-MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108675

JOB NAME 417537	TRUSS NAME T40Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.420 5 Jan 21 2021 M/Tek Industries, Inc. Tue Mar 23 15:50:42 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQowHDzcymp-LqOzmxFVspYKjaWS5bixyP2GB24QIA9TJTudn2zY0Ih
Scale = 1:62.5



TOTAL WEIGHT = 2 X 181 = 361 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x4	DRY	2100F 1.8E	SPF	
F - H	2x4	DRY	2100F 1.8E	SPF	
H - J	2x4	DRY	No.2	SPF	
S - B	2x6	DRY	No.2	SPF	
K - I	2x6	DRY	No.2	SPF	
S - P	2x6	DRY	No.2	SPF	
P - N	2x6	DRY	No.2	SPF	
N - K	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	TOP SIDE(0.0)
C-F	12	TOP
F-H	12	TOP
H-J	12	TOP
S-B	12	TOP
K-I	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
S-P	12	SIDE(183.1)
P-N	12	SIDE(183.1)
N-K	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
D-Q	6	SIDE(88.1)
E-O	5	SIDE(905.6)
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 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	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
S	VERT	DOWN	IN-SX	IN-SX
K	3847	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	2885	1915.0	0.0	0.0	0.0	949.0	0.0
K	2574	1716.0	0.0	0.0	0.0	855.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.16 FT.
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.	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRAC LENGTH	WEBS	MEMB.	FACTORED FORCE (LBS)	MAX. CS1 (LC)
A-B	0/28	-91.8	-91.8	0.07 (1)	10.00	R-C	-808.0	0.06 (1)	
B-C	-6414.0	-91.8	-91.8	0.64 (1)	3.41	C-Q	0/5975	0.53 (1)	
C-D	-10893.0	-91.8	-91.8	0.58 (1)	3.43	Q-D	-1780.0	0.16 (1)	
D-T	-12555.0	-91.8	-91.8	0.67 (1)	3.16	D-O	0/1924	0.17 (1)	
T-U	-12555.0	-91.8	-91.8	0.67 (1)	3.16	O-G	-750.0	0.07 (1)	
U-V	-12555.0	-91.8	-91.8	0.67 (1)	3.16	G-G	0/3538	0.31 (1)	
V-E	-12555.0	-91.8	-91.8	0.58 (1)	3.24	M-H	0/5120	0.45 (1)	
E-F	-12555.0	-91.8	-91.8	0.58 (1)	3.24	L-H	-528.0	0.05 (1)	
F-G	-12555.0	-91.8	-91.8	0.42 (1)	3.77	B-R	0/5781	0.51 (1)	
G-H	-9499.0	-91.8	-91.8	0.57 (1)	3.85	L-I	0/5120	0.45 (1)	
H-I	-5581.0	-91.8	-91.8	0.07 (1)	7.10				
I-J	0/28	-91.8	-91.8	0.07 (1)	7.10				
S-B	-4007.0	0.0	0.0	0.14 (1)	7.10				
K-I	-3584.0	0.0	0.0	0.13 (1)	7.40				
S-R	0/0	-18.5	-18.5	0.04 (4)	10.00				
R-Q	0/5710	-18.5	-18.5	0.42 (1)	10.00				
Q-P	0/10893	-18.5	-18.5	0.81 (1)	10.00				
P-W	0/10893	-18.5	-18.5	0.81 (1)	10.00				
W-X	0/10893	-18.5	-18.5	0.81 (1)	10.00				
X-O	0/10893	-18.5	-18.5	0.81 (1)	10.00				
O-N	0/9499	-18.5	-18.5	0.69 (1)	10.00				
N-M	0/9499	-18.5	-18.5	0.69 (1)	10.00				
M-L	0/5057	-18.5	-18.5	0.37 (1)	10.00				
L-K	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.
P	18-9-8	-1320	-1320		---	BACK	VERT	TOTAL	C1
Q	14-0-12	-21	-21		---	BACK	VERT	TOTAL	C1
P	12-1-8	-731	-731		---	BACK	VERT	TOTAL	C1
Q	14-0-12	-76	-76		---	BACK	VERT	TOTAL	C1
T	18-0-12	-76	-76		---	BACK	VERT	TOTAL	C1
U	18-0-12	-76	-76		---	BACK	VERT	TOTAL	C1
V	18-0-12	-21	-21		---	BACK	VERT	TOTAL	C1
W	18-0-12	-21	-21		---	BACK	VERT	TOTAL	C1
X	18-0-12	-21	-21		---	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 = 5.0 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
- 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) = 1/999 (0.35")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = 1/693 (0.65")

CS1: TC=0.67/1.00 (D-E:1), BC=0.81/1.00 (O-Q:1), WB=0.53/1.00 (C-Q:1), SS=0.20/1.00 (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.

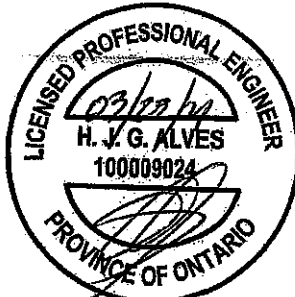
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
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= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.84 (P) (INPUT = 1.00)



Structural component only
DWG# T-2108676

JOB NAME 417537	TRUSS NAME T40Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:50:42 2021 Page 2
ID:Nx0GIYRcZlvpB E9rQcwHDzcvrg-LgOzMxPVspYkiaWS5blxyP2GB24QIA9TJTudnZzY0fh

PLATES (table is in inches)

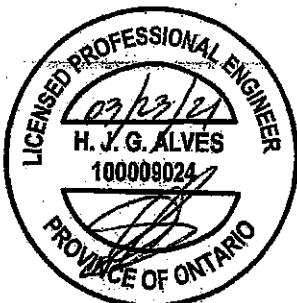
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	2.00	2.75
C	TTWW-m	MT20	6.0	12.0	1.75	5.50
D	TMWW-l	MT20	5.0	6.0		
E	TMW-w	MT20	2.0	4.0		
F	TS-l	MT20	3.0	6.0		
G	TMWW-l	MT20	5.0	6.0		
H	TTWW-m	MT20	6.0	12.0	1.75	5.50
I	TMVW-p	MT20	5.0	6.0	2.00	2.75
K	BMV1+p	MT20	3.0	6.0		
L, M, Q, R						
L	BMWW-l	MT20	5.0	6.0	2.50	2.00
N	BS-l	MT20	6.0	9.0		
O	BMWW-l	MT20	6.0	9.0	3.50	4.50
P	BS-l	MT20	6.0	9.0		
S	BMV1+p	MT20	3.0	6.0		

NOTES- (1)

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

CONNECTION REQUIREMENTS

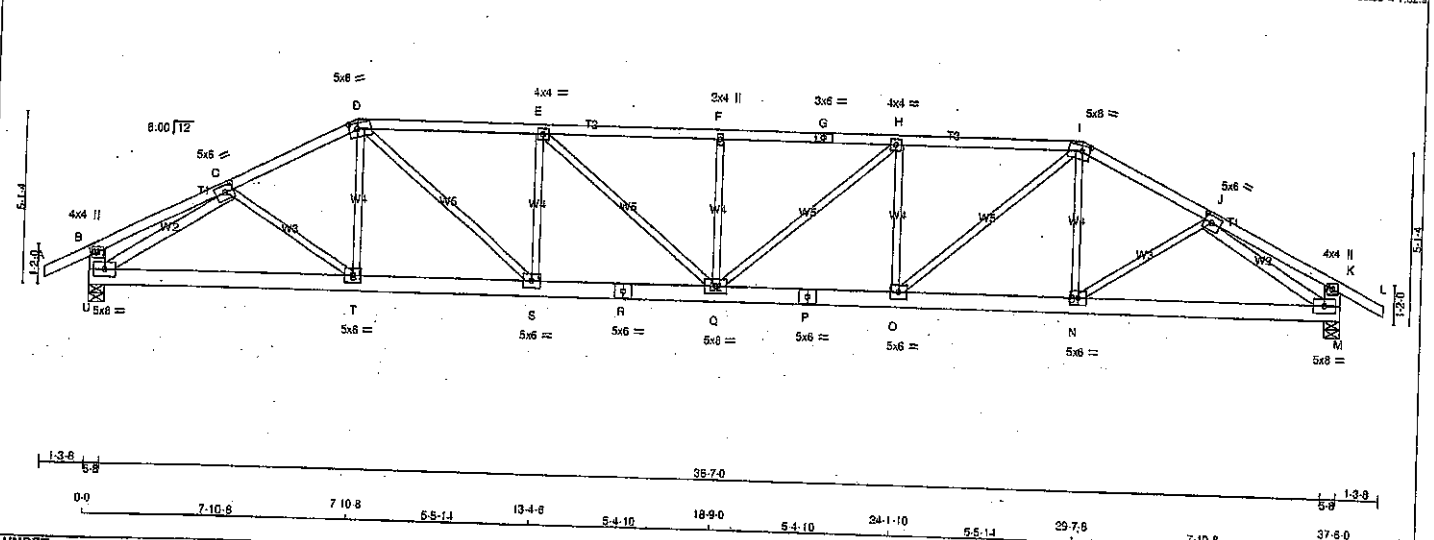
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2108676 1A

JOB NAME 417537	TRUSS NAME T41	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 MTEK Industries, Inc. Tue Mar 23 15:50:43 2021 Page 1
 ID: Nx0GIYRcZlvpB_E9rQcwHDZcyrp-p0YLZHGTd7gbLJ5feJGAVcbQPSVLUZmcY7eAKUzYOig
 Scale = 1:62.5



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 - R	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	

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		
M	BMVW-t	MT20	5.0	6.0		
N, O, S, T						
R	BMVW-t	MT20	5.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMVWW-t	MT20	5.0	6.0		
R	BS-t	MT20	5.0	6.0		
U	BMVW-t	MT20	5.0	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	IN-SX	IN-SX
U	2192	0	0	0
M	2192	0	5-8	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
U	1548	1029	0	0	0	0
M	1548	1029	0	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 = 2.86 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MAX. FACTORED UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)
FR-TO	A-B	0/28	-91.8	-91.8	0.12 (1)	10.00	C-T	0/93	0.03 (4)
	B-C	0/16	-91.8	-91.8	0.20 (1)	10.00	T-D	0/116	0.04 (4)
	C-D	-3082/0	-91.8	-91.8	0.34 (1)	3.70	D-S	0/1418	0.32 (1)
	D-E	-3816/0	-91.8	-91.8	0.73 (1)	3.02	S-E	-836/0	0.30 (1)
	E-F	-4127/0	-91.8	-91.8	0.77 (1)	2.86	E-Q	0/413	0.09 (1)
	F-G	-4127/0	-91.8	-91.8	0.77 (1)	2.86	Q-F	-454/0	0.16 (1)
	G-H	-4127/0	-91.8	-91.8	0.77 (1)	2.86	H-Q	0/413	0.09 (1)
	H-I	-3816/0	-91.8	-91.8	0.73 (1)	3.02	Q-H	-836/0	0.30 (1)
	I-J	-3082/0	-91.8	-91.8	0.34 (1)	3.70	C-I	0/1418	0.32 (1)
	J-K	0/16	-91.8	-91.8	0.20 (1)	10.00	N-I	0/116	0.04 (4)
	K-L	0/28	-91.8	-91.8	0.12 (1)	10.00	N-J	0/93	0.03 (4)
	L-U	-270/0	0.0	0.0	0.02 (1)	7.81	U-C	-3254/0	-0.83 (1)
	M-K	-270/0	0.0	0.0	0.02 (1)	7.81	J-M	-3254/0	-0.83 (1)
U-T	0/2671	-18.5	-18.5	0.39 (1)	10.00				
T-S	0/2741	-18.5	-18.5	0.37 (1)	10.00				
S-R	0/3816	-18.5	-18.5	0.51 (1)	10.00				
R-Q	0/3816	-18.5	-18.5	0.51 (1)	10.00				
Q-P	0/3816	-18.5	-18.5	0.51 (1)	10.00				
P-O	0/3816	-18.5	-18.5	0.51 (1)	10.00				
O-N	0/2741	-18.5	-18.5	0.37 (1)	10.00				
N-M	0/2671	-18.5	-18.5	0.39 (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, NBC 2015

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 2015, ABC 2015
 - PART 9 OF CBC 2012 (2015 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 (0.24")
 ALLOWABLE DEFL.(TL) = L/360 (1.25")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.44")

CSI: TC=0.77/1.00 (F-H:1), BC=0.51/1.00 (O-Q:1),
 WB=0.93/1.00 (J-M:1), SSI=0.24/1.00 (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

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 (C) (INPUT = 0.90)
 JSI METAL = 0.74 (C) (INPUT = 1.00)



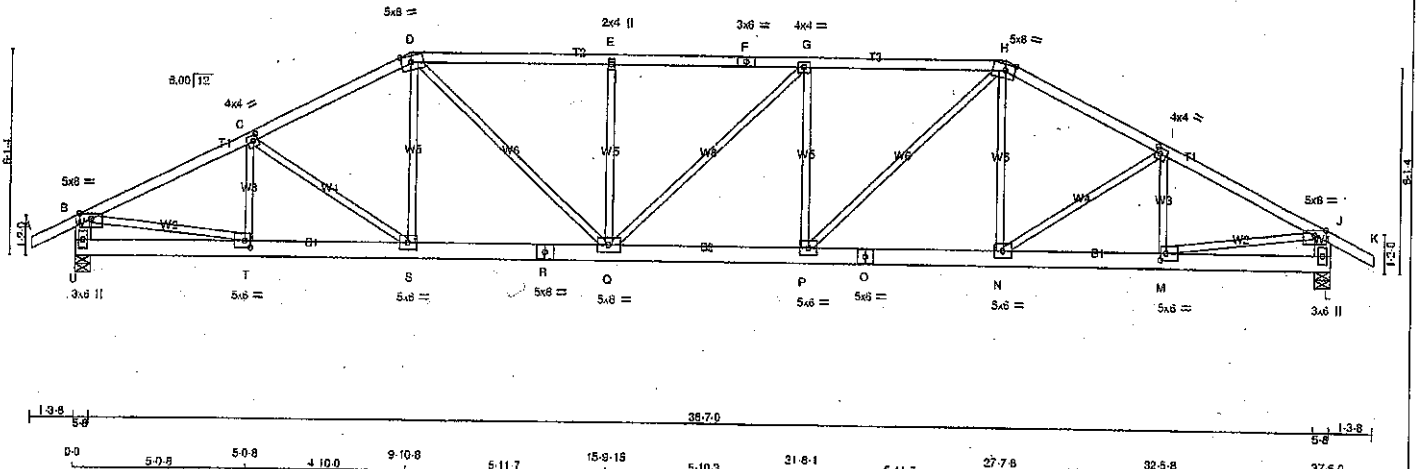
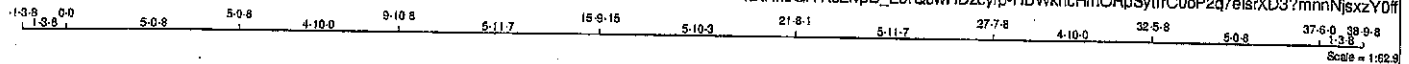
Structural component only
 DWG# T-2108677

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T42	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Nx0GIYRcZlpB_E9rQcwHDzcyrp-HDWkncHmORpSytrC0oP2q7elrXD3?mnnNjsxY0f



TOTAL WEIGHT = 2 X 176 = 352 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES					
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
F - H	2x4	DRY	No.2	SPF	
H - K	2x4	DRY	No.2	SPF	
U - B	2x6	DRY	No.2	SPF	
L - J	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

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-W	MT20	4.0	4.0	2.00	1.75
D TMVW-m	MT20	5.0	8.0	2.25	3.50
E TMVW-w	MT20	2.0	4.0		
F TS-I	MT20	3.0	6.0		
G TMVW-W	MT20	4.0	4.0		
H TMVW-m	MT20	5.0	8.0	2.25	3.50
I TMVW-W	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 BMVW-W	MT20	5.0	8.0	2.50	2.00
N, P, S					
N BMVW-W	MT20	5.0	8.0		
O BS-I	MT20	5.0	8.0		
Q BMVW-W	MT20	5.0	8.0		
R BS-I	MT20	5.0	8.0		
T BMVW-W	MT20	5.0	8.0	2.50	2.00
U BMV1-p	MT20	3.0	6.0		

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

NOTES- (1)

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	REORD BRG
JT	VERT	DOWN	UP	IN-SX
U	2192	0	0	5-8
L	2192	0	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL
U	1548 1029 0 0 0 0 519 0 0 0
L	1548 1029 0 0 0 0 519 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 = 3.35 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		
MAX. FACTORED	FACTORED		MAX. FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO	LENGTH FR-TO		CSI (LC)
A-B	0 28	-91.8 -91.8 0.12 (1)	10.00	T-C	-384 / 0 0.08 (1)
B-C	-3095 / 0	-91.8 -91.8 0.42 (1)	3.84	C-S	-180 / 0 0.11 (1)
C-D	-2975 / 0	-91.8 -91.8 0.40 (1)	3.72	S-D	0 / 248 0.08 (1)
D-E	-3351 / 0	-91.8 -91.8 0.57 (1)	3.36	D-Q	0 / 982 0.22 (1)
E-F	-3351 / 0	-91.8 -91.8 0.52 (1)	3.41	Q-E	-586 / 0 0.32 (1)
F-G	-3351 / 0	-91.8 -91.8 0.52 (1)	3.41	E-Q	-9 / 0 0.01 (1)
G-H	-3357 / 0	-91.8 -91.8 0.57 (1)	3.35	P-G	-583 / 0 0.32 (1)
H-I	-2973 / 0	-91.8 -91.8 0.40 (1)	3.72	P-H	0 / 993 0.22 (1)
I-J	-3098 / 0	-91.8 -91.8 0.42 (1)	3.84	N-H	0 / 239 0.05 (1)
J-K	0 28	-91.8 -91.8 0.12 (1)	10.00	N-I	-183 / 0 0.11 (1)
U-B	-2129 / 0	0.0 0.0 0.14 (1)	6.97	M-I	-382 / 0 0.08 (1)
L-J	-2129 / 0	0.0 0.0 0.14 (1)	6.97	B-T	0 2821 0.83 (1)
				M-J	0 2821 0.63 (1)
U-T	0 0	-18.5 -18.5 0.07 (1)	10.00		
T-S	0 2788	-18.5 -18.5 0.39 (1)	10.00		
S-R	0 2643	-18.5 -18.5 0.38 (1)	10.00		
R-Q	0 2643	-18.5 -18.5 0.38 (1)	10.00		
Q-P	0 3357	-18.5 -18.5 0.45 (1)	10.00		
P-O	0 2641	-18.5 -18.5 0.35 (1)	10.00		
O-N	0 2641	-18.5 -18.5 0.35 (1)	10.00		
N-M	0 2789	-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 = 25.8 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 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 NBC 2015, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55% OF 31.3 P.S.F. G.S.I. 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/969 (0.19")
ALLOWABLE DEFL. (TL) = L/360 (1.25")
CALCULATED VERT. DEFL. (TL) = L/959 (0.36")

CSI: TC=0.57/1.00 (G-H:1), BC=0.45/1.00 (P-Q:1),
WB=0.83/1.00 (J-M: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.

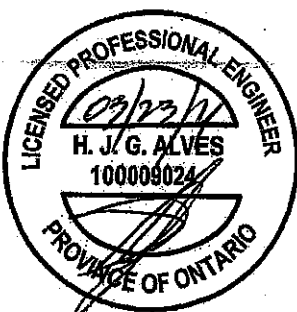
NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN 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 = 0.85 (M) (INPUT = 0.90)
JSI METAL = 0.63 (M) (INPUT = 1.00)



Structural component only
DWG# T-2108678

JOB NAME 417537	TRUSS NAME T43	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 M Tek Industries, Inc. Tue Mar 23 15:50:45 2021 Page 1 ID:Nx0GIYRcZlvb_E9rCqWHDzcymp-mP46_yIO9kxla1E1mkJea1gmKGcgyV4v0R7HONzY0f9	

LUMBER			
N.L.G.A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
E - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
R - B	2x6	DRY	No.2
J - H	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	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMWV-p	MT20	5.0	8.0	Edge
C	TMWV-t	MT20	4.0	4.0	2.00 1.75
D	TTWV-m	MT20	5.0	8.0	2.25 2.00
E	TMWV-w	MT20	2.0	4.0	
F	TTWV-m	MT20	5.0	6.0	2.25 2.00
G	TMWV-t	MT20	4.0	4.0	2.00 1.75
H	TMWV-p	MT20	5.0	8.0	Edge
J	BMV1-p	MT20	3.0	6.0	
K	BMWV-t	MT20	5.0	6.0	2.50 2.00
L	BMWV-t	MT20	5.0	6.0	
M	BS-t	MT20	5.0	6.0	
N	BMWVW-t	MT20	5.0	8.0	
O	BS-t	MT20	5.0	6.0	
P	BMWV-t	MT20	5.0	6.0	
Q	BMWV-t	MT20	5.0	6.0	2.50 2.00
R	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.

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
R	2192 0	2192 0	0 0	5-8	5-8
J	2192 0	2192 0	0 0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
R	1548	1029 0	0 0	0 0	0 0	519 0	0 0	0 0
J	1548	1029 0	0 0	0 0	0 0	519 0	0 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 = 3.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	Q-C	-285 0	0.07 (1)	
B-C	-3154 / 0	-91.8	-91.8 0.61 (1)	C-P	-407 0	0.38 (1)	
C-D	-2830 / 0	-91.8	-91.8 0.55 (1)	P-D	0 / 369	0.08 (1)	
D-E	-2860 / 0	-91.8	-91.8 0.74 (1)	D-N	0 / 630	0.14 (1)	
E-F	-2860 / 0	-91.8	-91.8 0.74 (1)	N-E	-778 0	0.64 (1)	
F-G	-2830 / 0	-91.8	-91.8 0.55 (1)	N-F	0 / 630	0.14 (1)	
G-H	-3154 / 0	-91.8	-91.8 0.61 (1)	L-F	0 / 369	0.08 (1)	
H-I	0 / 28	-91.8	-91.8 0.12 (1)	L-G	-407 0	0.38 (1)	
R-B	-2127 / 0	0.0	0.0 0.14 (1)	K-G	-285 0	0.07 (1)	
J-H	-2127 / 0	0.0	0.0 0.14 (1)	B-Q	0 / 2870	0.65 (1)	
R-Q	0 / 0	-18.5	-18.5 0.08 (4)	K-H	0 / 2870	0.65 (1)	
Q-P	0 / 2846	-18.5	-18.5 0.39 (1)				
P-O	0 / 2509	-18.5	-18.5 0.35 (1)				
O-N	0 / 2509	-18.5	-18.5 0.35 (1)				
N-M	0 / 2509	-18.5	-18.5 0.35 (1)				
M-L	0 / 2509	-18.5	-18.5 0.35 (1)				
L-K	0 / 2846	-18.5	-18.5 0.39 (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, NBCC 2015

THIS DESIGN COMPLIES WITH:

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 9.4 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 (0.31")

CSI: TC=0.74/1.00 (D-E:1), BC=0.39/1.00 (K-L:1), WB=0.65/1.00 (H-K:1), SSI=0.31/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

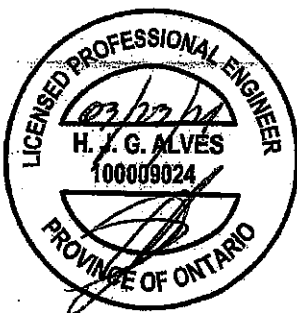
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 789 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.87 (B) (INPUT = 0.90)
JSI METAL = 0.65 (C) (INPUT = 1.00)

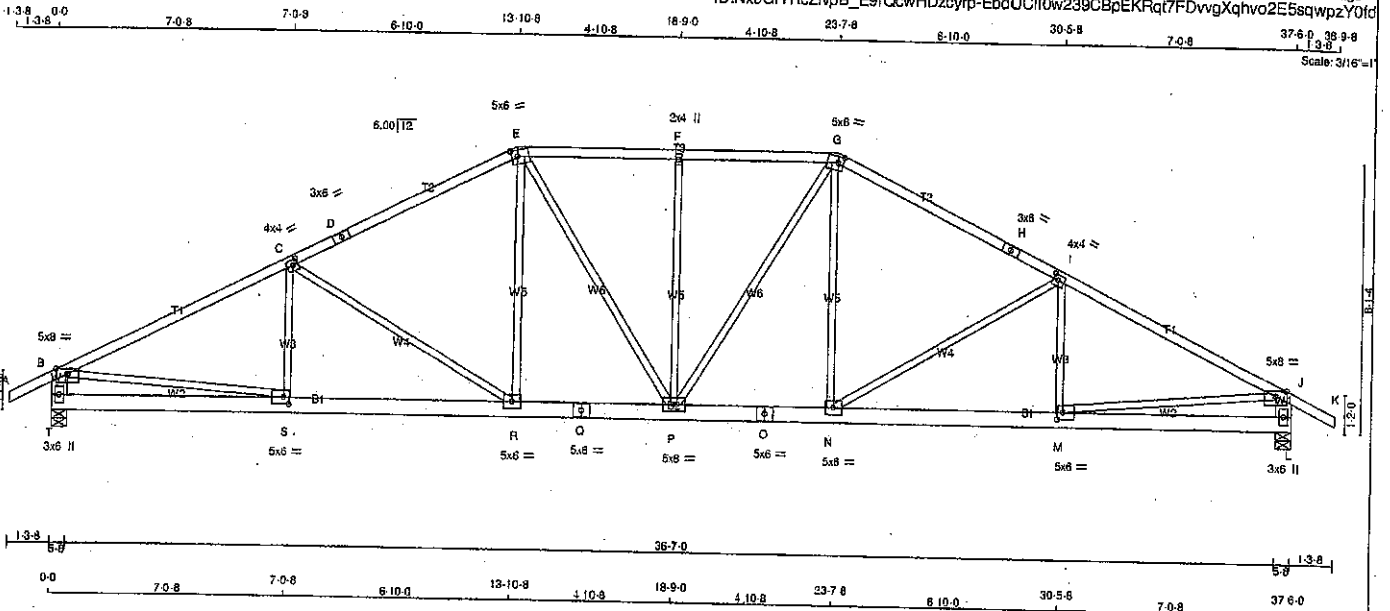


Structural component only
DWG# T-2108679

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T44	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITK Industries, Inc. Tue Mar 23 15:50:46 2021 Page 1
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TOTAL WEIGHT = 2 X 181 = 363 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER
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 - Q	2x8	DRY	No.2	
Q - 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	TMVW-i	MT20	4.0	4.0	2.00	1.75
D	TS-i	MT20	3.0	6.0		
E	TTVW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-w	MT20	2.0	4.0		
G	TTVW-m	MT20	5.0	6.0	2.25	2.00
H	TS-i	MT20	3.0	6.0		
J	TMVW-i	MT20	4.0	4.0	2.00	1.75
L	BMV1-p	MT20	5.0	8.0	Edge	
M	BMVW-i	MT20	5.0	6.0	2.50	2.00
N	BMVW-i	MT20	5.0	6.0		
O	BS-i	MT20	5.0	6.0		
P	BMVW-w	MT20	5.0	6.0		
Q	BS-i	MT20	5.0	6.0		
R	BMVW-i	MT20	5.0	6.0		
S	BMVW-i	MT20	5.0	6.0	2.50	2.00
T	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.

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		
T	2192	0	2192	0	5-8	5-8
L	2192	0	2192	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SO
T	1548	1029.0	0.0	0.0	0.0	519.0	0
L	1548	1029.0	0.0	0.0	0.0	519.0	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 = 3.08 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				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' 28	-91.8	-91.8 0.12 (1)	10.00	S-C	-200' 50	0.06 (1)
B-C	-3179 / 0	-91.8	-91.8 0.88 (1)	3.08	C-R	-622 / 0	0.87 (1)
C-D	-2657 / 0	-91.8	-91.8 0.76 (1)	3.45	R-E	0 / 484	0.10 (1)
D-E	-2657 / 0	-91.8	-91.8 0.76 (1)	3.45	E-P	0 / 353	0.09 (1)
E-F	-2539 / 0	-91.8	-91.8 0.36 (1)	4.01	P-F	-543 / 0	0.65 (1)
F-G	-2639 / 0	-91.8	-91.8 0.38 (1)	4.01	P-G	0 / 353	0.08 (1)
G-H	-2657 / 0	-91.8	-91.8 0.78 (1)	3.45	N-G	0 / 464	0.10 (1)
H-I	-2657 / 0	-91.8	-91.8 0.76 (1)	3.45	N-I	-622 / 0	0.87 (1)
I-J	-3179 / 0	-91.8	-91.8 0.88 (1)	3.08	M-I	-200' 50	0.05 (1)
J-K	0' 28	-91.8	-91.8 0.12 (1)	10.00	B-S	0' 2891	0.65 (1)
T-B	-2125 / 0	0.0	0.0 0.14 (1)	6.97	M-J	0' 2891	0.65 (1)
L-J	-2125 / 0	0.0	0.0 0.14 (1)	6.97			
T-S	0' 0	-18.5	-18.5 0.10 (4)	10.00			
S-R	0' 2873	-18.5	-18.5 0.40 (1)	10.00			
R-Q	0' 2350	-18.5	-18.5 0.32 (1)	10.00			
Q-P	0' 2350	-18.5	-18.5 0.32 (1)	10.00			
P-O	0' 2350	-18.5	-18.5 0.32 (1)	10.00			
O-N	0' 2350	-18.5	-18.5 0.32 (1)	10.00			
N-M	0' 2873	-18.5	-18.5 0.40 (1)	10.00			
M-L	0' 0	-18.5	-18.5 0.10 (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 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 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = 1/959 (0.29")

CSI: TO=0.88/1.00 (B-C:1), BC=0.40/1.00 (R-S:1), WB=0.87/1.00 (C-R:1), SS=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLU) (PLU)
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 = 0.80)
JSI METAL = 0.65 (S) (INPUT = 1.00)

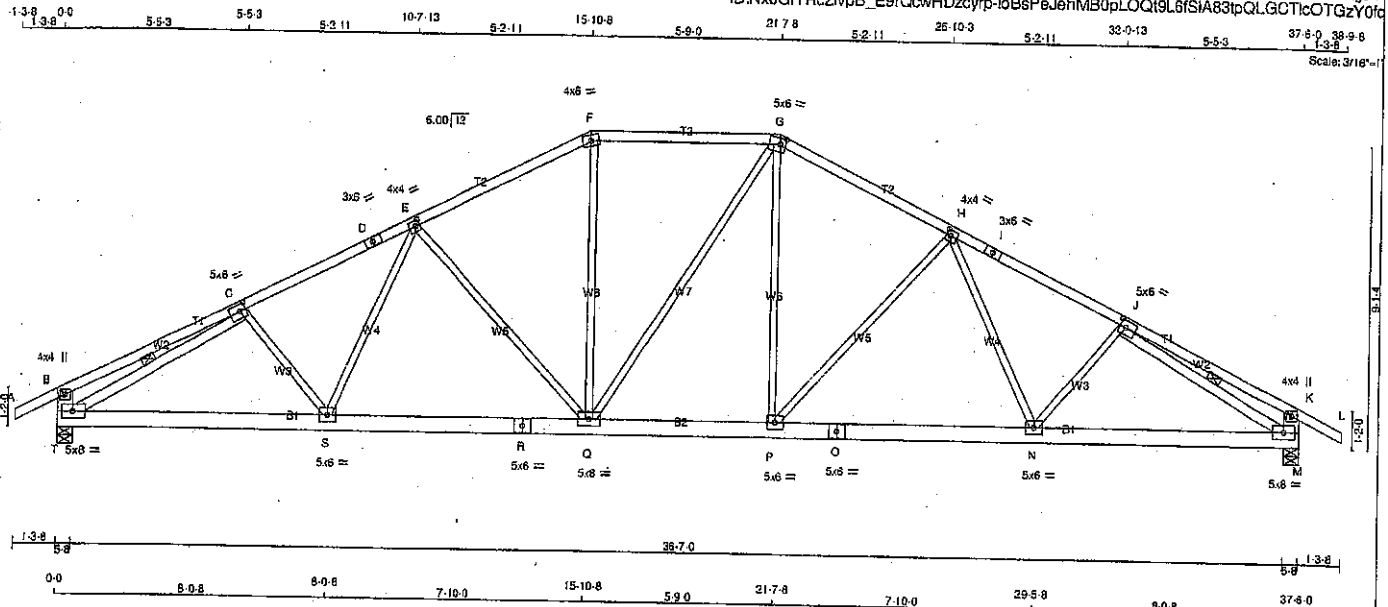


Structural component only
DWG# T-2108680

JOB NAME 417537	TRUSS NAME T45	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MTEK Industries, Inc. Tue Mar 23 15:50:47 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rCcwHDzcyrp-10BsPeJehMB0pLQ19L6fSIA83tpQLGCTicOTGzY0f



TOTAL WEIGHT = 2 X 184 = 368 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
L - B	2x6	DRY	No.2
M - K	2x6	DRY	No.2
T - R	2x6	DRY	No.2
R - O	2x6	DRY	No.2
O - M	2x6	DRY	No.2
ALL WEBS 2x3 DRY No.2			
EXCEPT			
T - 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+p	MT20	4.0	4.0		
C TMWW-t	MT20	5.0	8.0	2.50	2.25
D TS-t	MT20	3.0	6.0		
E TMWW-t	MT20	4.0	4.0	2.00	1.50
F TTW-m	MT20	4.0	8.0		
G TTWW-m	MT20	5.0	8.0	2.25	2.00
H TMWW-t	MT20	4.0	4.0	2.00	1.50
I TS-t	MT20	3.0	6.0		
J TMWW-t	MT20	5.0	8.0	2.50	2.25
K TMV+p	MT20	4.0	4.0		
M BMWW-t	MT20	5.0	8.0		
N P.S					
N BMWW-t	MT20	5.0	8.0		
O BS-t	MT20	5.0	8.0		
Q BMWW-t	MT20	5.0	8.0		
R BS-t	MT20	5.0	8.0		
T BMWW-t	MT20	5.0	8.0		

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		MAXIMUM FACTORED		INPUT	RECORD
	GROSS REACTION	DOWN	GROSS REACTION	DOWN		
T	2192	0	2192	0	5-8	5-8
M	2192	0	2192	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM LIVE			
T	1548	1029	0	0	0	519	0
M	1548	1029	0	0	0	519	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 = 3.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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)

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	0/28	-91.8 -91.8	0.12 (1)	C-S	-114/38	0.04 (1)	
B-C	0/20	-91.8 -91.8	0.32 (1)	S-E	0/291	0.06 (4)	
C-D	-3036/0	-91.8 -91.8	0.43 (1)	E-Q	671/0	0.92 (1)	
D-E	-3036/0	-91.8 -91.8	0.43 (1)	Q-F	0/634	0.14 (1)	
E-F	-2451/0	-91.8 -91.8	0.39 (1)	Q-G	0/4	0.00 (1)	
F-G	-2179/0	-91.8 -91.8	0.46 (1)	P-G	0/629	0.14 (1)	
G-H	-2449/0	-91.8 -91.8	0.39 (1)	P-H	-674/0	0.92 (1)	
H-I	-3037/0	-91.8 -91.8	0.43 (1)	H-N	0/265	0.06 (4)	
I-J	-3037/0	-91.8 -91.8	0.43 (1)	N-J	-114/36	0.04 (1)	
J-K	0/20	-91.8 -91.8	0.32 (1)	T-C	-3317/0	0.83 (1)	
K-L	0/28	-91.8 -91.8	0.12 (1)	J-M	-3319/0	0.63 (1)	
T-B	-324/0	0.0 0.0	0.02 (1)				
M-K	-324/0	0.0 0.0	0.02 (1)				
			7.81				
			7.81				
T-S	0/2787	-18.5 -18.5	0.41 (1)				
S-R	0/2613	-18.5 -18.5	0.36 (1)				
R-Q	0/2913	-18.5 -18.5	0.36 (1)				
Q-P	0/2177	-18.5 -18.5	0.31 (1)				
P-O	0/2613	-18.5 -18.5	0.37 (1)				
O-N	0/2613	-18.5 -18.5	0.37 (1)				
N-M	0/2788	-18.5 -18.5	0.41 (1)				

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 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) = L/360 (1.25")
CALCULATED VERT. DEFL.(LL) = L/999 (0.13")
ALLOWABLE DEFL.(TL) = L/360 (1.25")
CALCULATED VERT. DEFL.(TL) = L/989 (0.28")

CSI: TC=0.46:1.00 (F-G:1), BC=0.41:1.00 (S-T:1), WB=0.92:1.00 (H-P:1), SS=0.21:1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

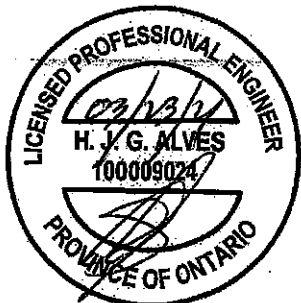
NAIL VALUES

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

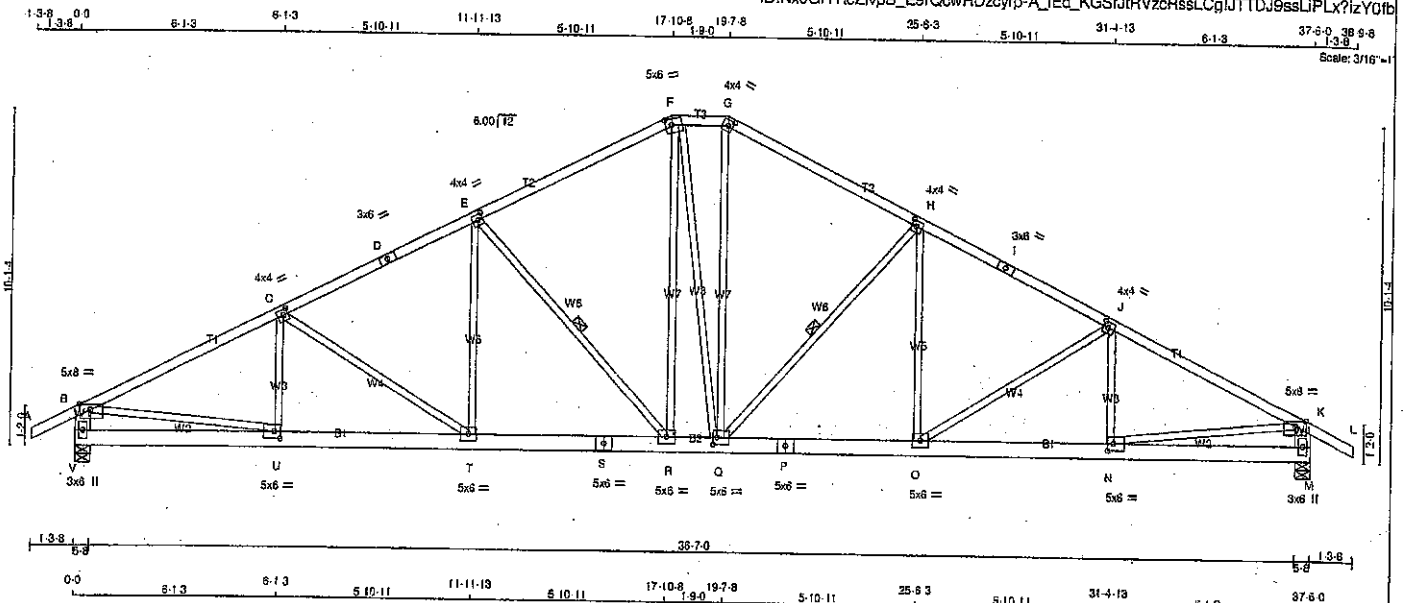
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (J) (INPUT = 0.90)
JSI METAL = 0.74 (J) (INPUT = 1.00)



Structural component only
DWG# T-2108681

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T46	2	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington						



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY				DESIGN CRITERIA			
N. L. G. A. RULES				BUILDING DESIGNER				SPECIFIED LOADS:			
CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF	FACTORED	MAXIMUM FACTORED	INPUT	REORD	TOP CH. LL = 25.6 PSF	
A - D	2x4	DRY	No.2	SPF		GROSS REACTION	GROSS REACTION	BRG	BRG	DL = 6.0 PSF	
D - F	2x4	DRY	No.2	SPF		JT VERT	JT VERT	UP-LIFT	IN-SX	BOT CH. LL = 0.0 PSF	
F - G	2x4	DRY	No.2	SPF		V 2192	0	0	5-8	DL = 7.4 PSF	
G - I	2x4	DRY	No.2	SPF		M 2192	0	0	5-8	TOTAL LOAD = 39.0 PSF	
I - L	2x4	DRY	No.2	SPF							
L - M	2x4	DRY	No.2	SPF							
M - K	2x4	DRY	No.2	SPF							
V - S	2x4	DRY	No.2	SPF							
S - P	2x4	DRY	No.2	SPF							
P - M	2x4	DRY	No.2	SPF							
ALL WEBS	2x3	DRY	No.2	SPF							
EXCEPT											
DRY: SEASONED LUMBER.				BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) V, M				LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12			
				BRACING				THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015			
				TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.44 FT.				THIS DESIGN COMPLIES WITH:			
				MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.				- PART 9 OF CBC 2015, ABC 2018			
				ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.				- PART 9 OF OBC 2012 (2018 AMENDMENT)			
				1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-R, H-Q.				- CSA G88-14			
				END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW				- TPIC 2014			
				LOADING				(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			
				TOTAL LOAD CASES: (4)				ALLOWABLE DEFL.(LL) = L/360 (1.25")			
								CALCULATED VERT. DEFL.(LL) = 1/999 (0.15")			
								ALLOWABLE DEFL.(TL) = L/360 (1.25")			
								CALCULATED VERT. DEFL.(TL) = 1/999 (0.29")			
								CSI: TC=0.62/1.00 (J-K:1), BC=0.40/1.00 (N-O:1), WB=0.64/1.00 (K-N:1), SS=0.23/1.00 (J-K:1)			
								DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10			
								COMPANION LIVE LOAD FACTOR = 1.00			
								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 1878			
								PLATE PLACEMENT TOL. = 0.250 inches			
								PLATE ROTATION TOL. = 5.0 Deg.			
								JSI GRIP= 0.87 (K) (INPUT = 0.90)			
								JSI METAL= 0.64 (N) (INPUT = 1.00)			

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMWV-p	MT20	5.0	8.0	Edge	
C, E, H, J					
C TMWV-i	MT20	4.0	4.0	2.00	1.75
D TS-t	MT20	3.0	6.0		
F TTWV-m	MT20	5.0	6.0	2.25	2.25
G TTWV-h	MT20	4.0	4.0	2.00	1.75
I TS-t	MT20	3.0	6.0		
K TMWV-p	MT20	5.0	8.0	Edge	
M BMV1-p	MT20	3.0	8.0		
N BMWV-i	MT20	5.0	6.0	2.50	2.00
O, R, T					
O BMWV-i	MT20	5.0	6.0		
P BS-t	MT20	5.0	6.0		
Q BMWV-i	MT20	5.0	6.0	2.50	1.50
S BS-t	MT20	5.0	6.0		
U BMWV-i	MT20	5.0	6.0	2.50	2.00
V 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.

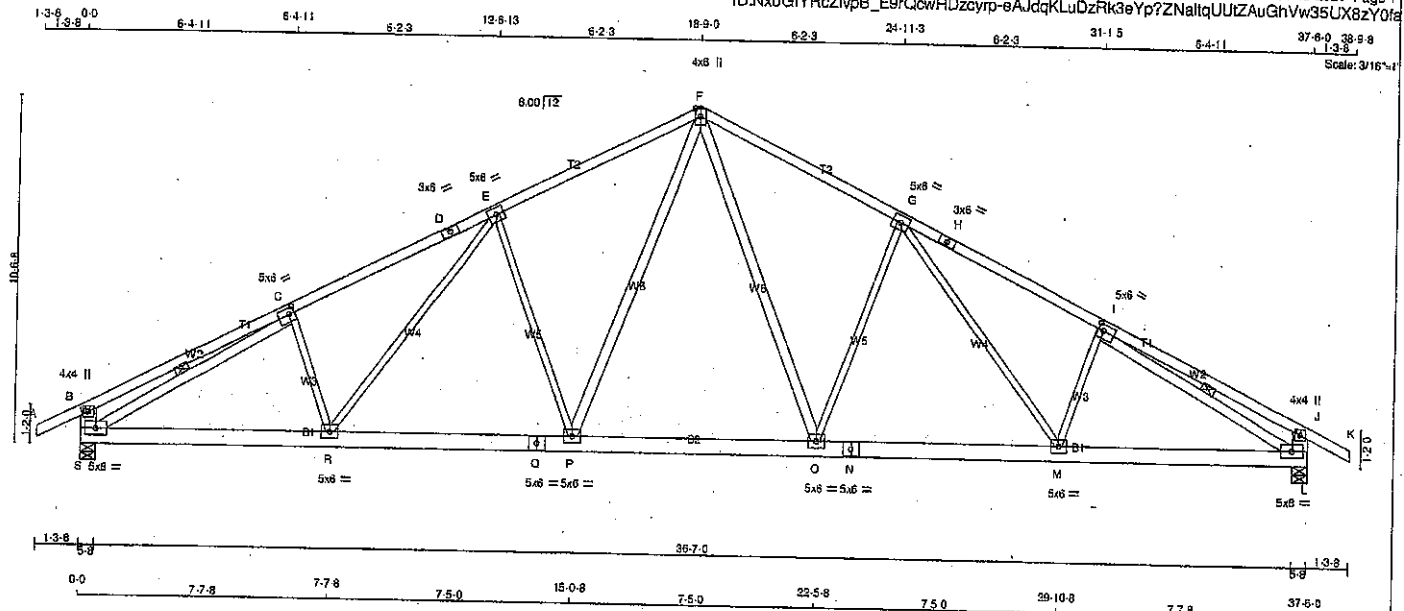


Structural component only
DWG# T-2108682

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T47	7	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:50:49 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rCqWHDzcyrp-eAjdqKLuDzRk3eYp?ZNaltQUUZAUghVw35UX8zY0la



TOTAL WEIGHT = 7 X 191 = 1340 lb

LUMBER

N. L. G. A. RULES

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
S - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
S - O	2x6	DRY	No.2
Q - N	2x6	DRY	No.2
N - L	2x6	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2
F - O	2x4	DRY	No.2
P - F	2x4	DRY	No.2
S - C	2x4	DRY	No.2
I - L	2x4	DRY	No.2

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	2.25	2.00
D TS-t	MT20	3.0	6.0		
E TMWW-t	MT20	5.0	6.0		
F TTWW+p	MT20	4.0	6.0		Edge
G TMWW-t	MT20	5.0	6.0		
H TS-t	MT20	3.0	6.0		
I TMWW-t	MT20	5.0	6.0	2.25	2.00
J TMV+p	MT20	4.0	4.0		
L BMVW-t	MT20	5.0	8.0		
M, O, P, R					
M BMWW-t	MT20	5.0	6.0		
N BS-t	MT20	5.0	6.0		
Q BS-t	MT20	5.0	6.0		
S BMVW-t	MT20	5.0	8.0		

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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
S	2192 0	2192 0	0	5-8
L	2192 0	2192 0	0	5-8

UNFACTORED REACTIONS

	1ST CASE	MAX./MIN.	COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM LIVE
S	1548	1029 0	0 0	0 0
L	1548	1029 0	0 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.52 FT.
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-S, I-L

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSF (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSF (LC)
FR-TO					FR-TO		
A-B	0 28	-91.8	-91.8 0.12 (1)	10.00	F-O	0 948	0.15 (1)
B-C	0 24	-91.8	-91.8 0.45 (1)	10.00	O-G	-786 0	0.86 (1)
C-D	-3071 0	-91.8	-91.8 0.80 (1)	3.52	G-M	0 450	0.10 (1)
D-E	-3071 0	-91.8	-91.8 0.60 (1)	3.52	M-I	-251 3	0.07 (1)
E-F	-2519 0	-91.8	-91.8 0.55 (1)	3.84	P-F	0 946	0.15 (1)
F-G	-2519 0	-91.8	-91.8 0.55 (1)	3.84	E-P	-786 0	0.86 (1)
G-H	-3071 0	-91.8	-91.8 0.60 (1)	3.52	R-E	0 450	0.10 (1)
H-I	-3071 0	-91.8	-91.8 0.60 (1)	3.52	C-R	-251 3	0.07 (1)
I-J	0 24	-91.8	-91.8 0.45 (1)	10.00	S-C	-3335 0	0.82 (1)
J-K	0 28	-91.8	-91.8 0.12 (1)	10.00	I-L	-3335 0	0.82 (1)
S-B	-358 0	0.0	0.0 0.02 (1)	7.81			
L-J	-358 0	0.0	0.0 0.02 (1)	7.81			
S-R	0 2830	-18.5	-18.5 0.42 (1)	10.00			
R-Q	0 2490	-18.5	-18.5 0.35 (1)	10.00			
Q-P	0 2490	-18.5	-18.5 0.35 (1)	10.00			
P-O	0 1905	-18.5	-18.5 0.28 (1)	10.00			
O-N	0 2490	-18.5	-18.5 0.35 (1)	10.00			
N-M	0 2490	-18.5	-18.5 0.35 (1)	10.00			
M-L	0 2830	-18.5	-18.5 0.42 (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 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 (0.14")
ALLOWABLE DEFL. (TL) = L/360 (1.25")
CALCULATED VERT. DEFL. (TL) = L/999 (0.26")

CSF: TC=0.80/1.00 (C-E:1), BC=0.42/1.00 (R-S:1), WB=0.86/1.00 (E-P:1), 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 HEELS OFF

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

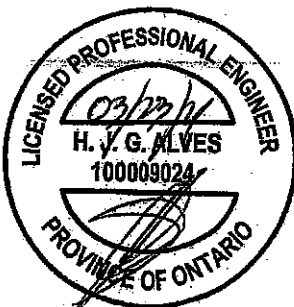
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(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= 0.88 (C) (INPUT = 0.90)
JSI METAL= 0.76 (C) (INPUT = 1.00)

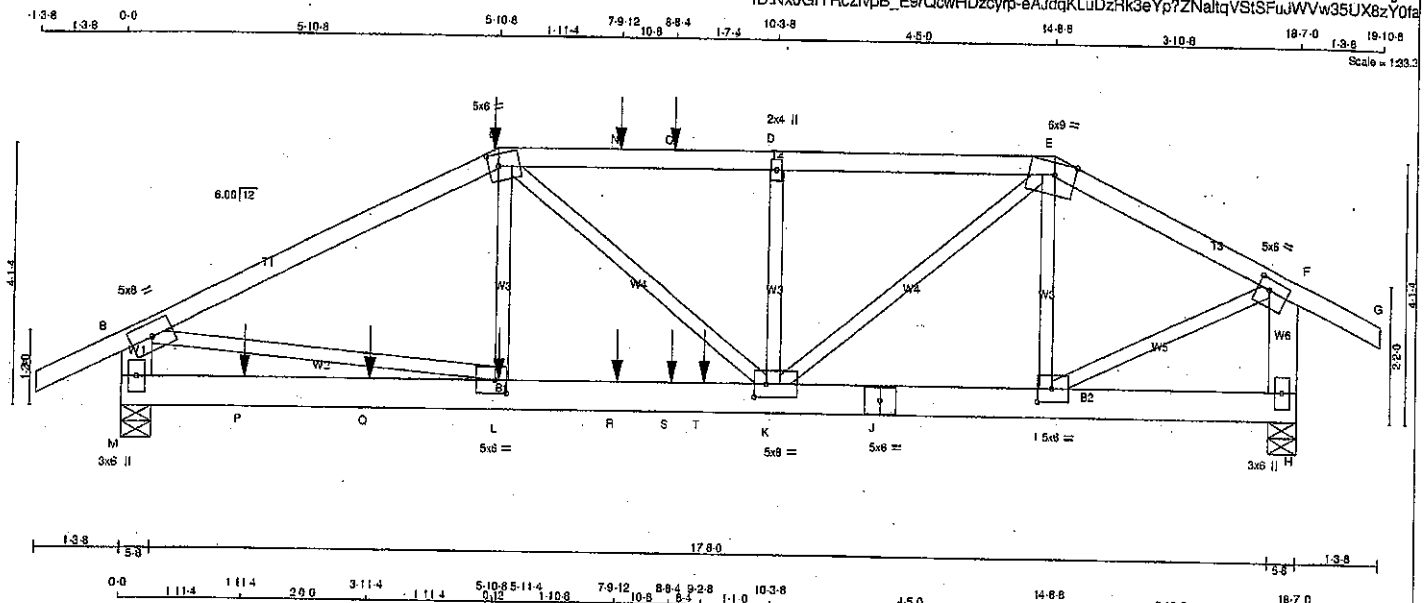


Structural component only
DWG# T-2108683

JOB NAME 417537	TRUSS NAME T48	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: NxDGIYRcZlvpB_EsrQowHDzcymp-eAJdqKLuDzRk3eYp7ZnaltqVStSFuJwVw35UX8zY0fa



TOTAL WEIGHT = 68 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	2100F 1.8E
C - E	2x4	DRY	2100F 1.8E
E - G	2x4	DRY	2100F 1.8E
M - B	2x6	DRY	No.2
H - F	2x6	DRY	No.2
M - J	2x6	DRY	No.2
J - H	2x6	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-1	MT20	5.0	8.0		
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TTWW-m	MT20	6.0	9.0	Edge	4.00
F	TMVW-t	MT20	5.0	6.0	2.00	2.25
H	BMV1-p	MT20	3.0	6.0		
I	BMVW-1	MT20	5.0	6.0	2.50	2.75
J	BS-1	MT20	5.0	6.0		
K	BMVWV-1	MT20	5.0	8.0	2.50	2.25
L	BMVW-1	MT20	5.0	8.0	2.50	2.25
M	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 REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
M	2163	0	2163	0	5-8
H	1943	0	1943	0	5-8

UNFACTORED REACTIONS

1ST LOASE		MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
M	1529	1004	0	0	0	526
H	1371	914	0	0	0	458

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED MAX CSI (LC)
FR-TO		FROM	TO				
A-B	0' 28	-91.8	-91.8 0.09 (1)	10.00	L-C	0' 194	0.07 (4)
B-C	-3049' 0	-91.8	-91.8 0.54 (1)	4.27	C-K	0' 580	0.14 (1)
C-N	-3172' 0	-91.8	-91.8 0.37 (1)	4.36	K-D	-533' 0	0.18 (1)
N-O	-3172' 0	-91.8	-91.8 0.37 (1)	4.36	D-E	0' 1974	0.49 (1)
O-D	-3172' 0	-91.8	-91.8 0.37 (1)	4.36	E-F	-752' 0	0.19 (1)
D-E	-3172' 0	-91.8	-91.8 0.34 (1)	4.41	B-L	0' 2749	0.68 (1)
E-F	-1884' 0	-91.8	-91.8 0.20 (1)	5.60	I-F	0' 1843	0.46 (1)
F-G	0' 28	-91.8	-91.8 0.09 (1)	10.00			
M-B	-2114' 0	0.0	0.0 0.15 (1)	6.85			
H-F	-1899' 0	0.0	0.0 0.15 (1)	7.25			
M-P	0' 0	-18.5	-18.5 0.18 (4)	10.00			
P-Q	0' 0	-18.5	-18.5 0.15 (4)	10.00			
Q-L	0' 0	-18.5	-18.5 0.16 (4)	10.00			
L-R	0' 2729	-18.5	-18.5 0.86 (1)	10.00			
R-S	0' 2729	-18.5	-18.5 0.88 (1)	10.00			
S-T	0' 2729	-18.5	-18.5 0.88 (1)	10.00			
T-K	0' 2729	-18.5	-18.5 0.86 (1)	10.00			
K-J	0' 1663	-18.5	-18.5 0.42 (1)	10.00			
J-I	0' 1663	-18.5	-18.5 0.42 (1)	10.00			
I-H	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	5-10-8	-254	-254	---	FRONT	VERT	TOTAL	---	C1
L	5-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
N	7-9-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
O	8-8-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
P	1-11-4	-20	-20	---	FRONT	VERT	TOTAL	---	C1
Q	3-11-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
R	7-9-12	-21	-21	---	FRONT	VERT	TOTAL	---	C1
S	8-8-4	-21	-21	---	FRONT	VERT	TOTAL	---	C1
T	9-2-8	-770	-770	---	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

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 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) = $L/360$ (0.62")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.09")
ALLOWABLE DEFL. (TL) = $L/360$ (0.62")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.17")

CSK: TC=0.54:1.00 (B-C:1), BC=0.86:1.00 (K-L:1),
WB=0.68:1.00 (B-L:1), SS=0.60:1.00 (K-L: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 (PL)	SECTION (PL)
MT20	650	371

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

JSI METAL = 0.62 (L) (INPUT = 1.00)

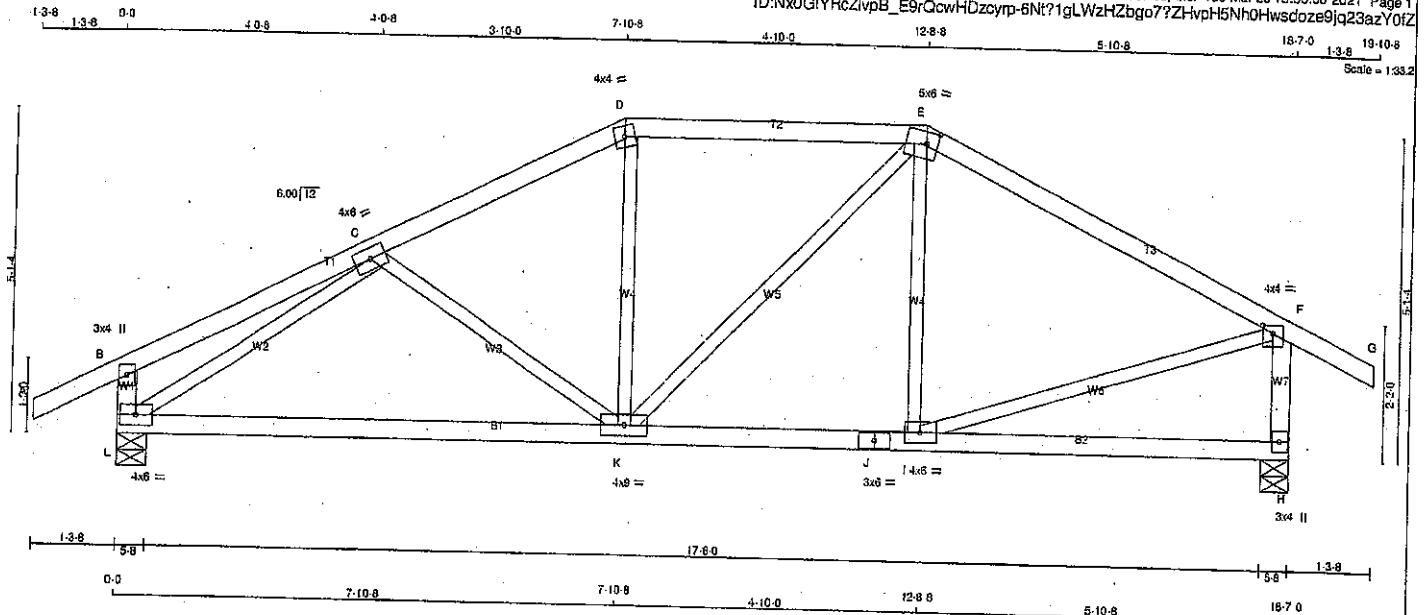


Structural component only
DWG# T-2108684

JOB NAME 417537	TRUSS NAME T49	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 5 Jan 21 2021 MTEK Industries, Inc. Tue Mar 23 15:50:50 2021 Page 1
ID: NxoGIYRcZivpB_E9rQowHDzoyr-6Nt?1gLVzHZbgo7?Zhvph5NH0Hwsdoze9jq23azY0fZ



TOTAL WEIGHT = 75 lb
(M/F)

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
L - B	2x4	DRY No.2	SPF
H - F	2x4	DRY No.2	SPF
L - J	2x4	DRY No.2	SPF
J - H	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
B TMV+p MT20	3.0	4.0		
C TMWW-t MT20	4.0	6.0		
D TTW-m MT20	4.0	4.0		
E TTWW-m MT20	5.0	6.0	2.25	2.00
F TMVW-p MT20	4.0	4.0	1.50	2.00
H BMV1+p MT20	3.0	4.0		
I BMWW-t MT20	4.0	6.0		
J BS-t MT20	3.0	6.0		
K BMWWW-t MT20	4.0	9.0		
L BMWW1-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

FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQ'D BRG
JT VERT	DOWN	UP	IN-SX
L 1149 0	1149 0	0 0	5-8 5-8
H 1149 0	1149 0	0 0	5-8 5-8

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
L 810 545 0	0 0	0 0
H 810 545 0	0 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 = 5.74 FT.
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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0' 28	-91.8 -91.8 0.12 (1)	C-K	-198' 0
B-C	0' 18	-91.8 -91.8 0.22 (1)	K-D	0' 132
C-D	-1118' 0	-91.8 -91.8 0.16 (1)	D-E	0' 170
D-E	-988' 0	-91.8 -91.8 0.29 (1)	E-F	-177' 11
E-F	-973' 0	-91.8 -91.8 0.42 (1)	F-G	-1409' 0
F-G	0' 28	-91.8 -91.8 0.12 (1)	G-H	0' 911
G-H	-266' 0	0.0 0.0 0.03 (1)	H-I	
H-I	-1100' 0	0.0 0.0 0.13 (1)	I-J	
I-J			J-K	
J-K	0' 1144	-18.5 -18.5 0.39 (1)	K-L	
K-L	0' 866	-18.5 -18.5 0.31 (4)	L-M	
L-M	0' 866	-18.5 -18.5 0.31 (4)	M-N	
M-N	0' 0	-18.5 -18.5 0.16 (4)	N-O	

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 2018, ABC 2019
- PART 9 OF CBC 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 (0.62")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.62")
CALCULATED VERT. DEFL. (TL) = L/999 (0.14")

CSI: TC=0.42/1.00 (E-F:1), BC=0.33/1.00 (K-L:1), WB=0.54/1.00 (C-L:1), SS=0.19/1.00 (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= 0.82 (F) (INPUT = 0.80)
JSI METAL= 0.32 (F) (INPUT = 1.00)

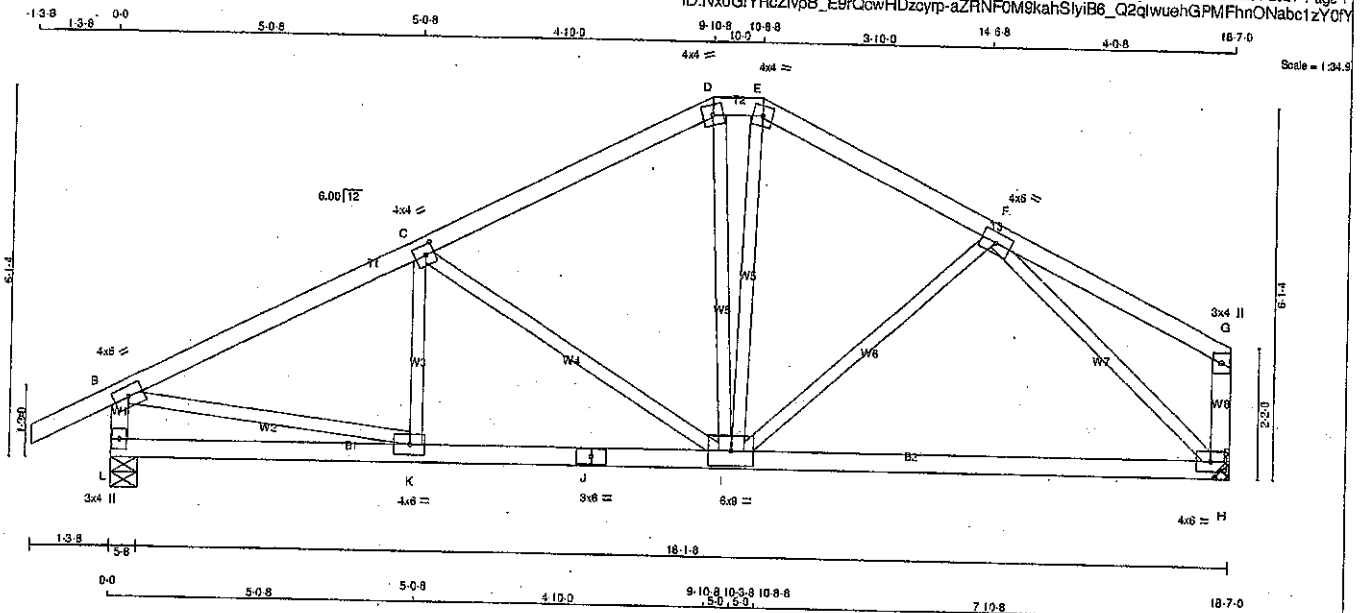


Structural component only
DWG# T-2108685

JOB NAME 417537	TRUSS NAME T50	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MTEK Industries, Inc. Tue Mar 23 15:50:51 2021 Page 1
ID:Nx0G!YRcZlvpB_EBrCQwHDzcymp-aZRNfOM8kahSlyiB6_Q2qlwuehGPMFhnONabc1zy0Y



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	5.0		
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW-t	MT20	4.0	6.0		
G	TMVW-t	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	6.0		
I	BMVW-t	MT20	6.0	9.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMV-t	MT20	3.0	4.0		

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
L	1149	0	0	5-8
H	1024	0	0	5-8

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	810	545	0	0	0	235	0
H	724	475	0	0	0	249	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.30 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	W E B S	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH	MEMB. FORCE (LBS)
FR-TO		FROM TO		FR-TO
A-B	0 / 26	-91.8	-91.8 0.12 (1)	10.00
B-C	-1314 / 0	-91.8	-91.8 0.30 (1)	5.30
C-D	-936 / 0	-91.8	-91.8 0.29 (1)	6.04
D-E	-829 / 0	-91.8	-91.8 0.01 (1)	6.25
E-F	-927 / 0	-91.8	-91.8 0.18 (1)	6.21
F-G	0 / 19	-91.8	-91.8 0.23 (1)	10.00
L-B	-1705 / 0	0.0	0.0 0.11 (1)	7.53
H-G	-138 / 0	0.0	0.0 0.02 (1)	7.81
L-K	0 / 0	-18.5	-18.5 0.11 (4)	10.00
K-J	0 / 1196	-18.5	-18.5 0.37 (4)	10.00
J-I	0 / 1196	-18.5	-18.5 0.37 (4)	10.00
I-H	0 / 845	-18.5	-18.5 0.33 (4)	10.00

TOTAL WEIGHT = 78 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

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 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 (0.82")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.82")
CALCULATED VERT. DEFL. (TL) = L/999 (0.15")

CSI: TC=0.30/1.00 (B-C:1), BC=0.37/1.00 (H-K:4), WB=0.57/1.00 (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
	(PSI)	(PLI)	(PLI)	
	MAX MIN	MAX MIN	MAX MIN	
MT20	650	371	1747	788 1887 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.72 (K) (INPUT = 0.90)
JSI METAL = 0.36 (J) (INPUT = 1.00)

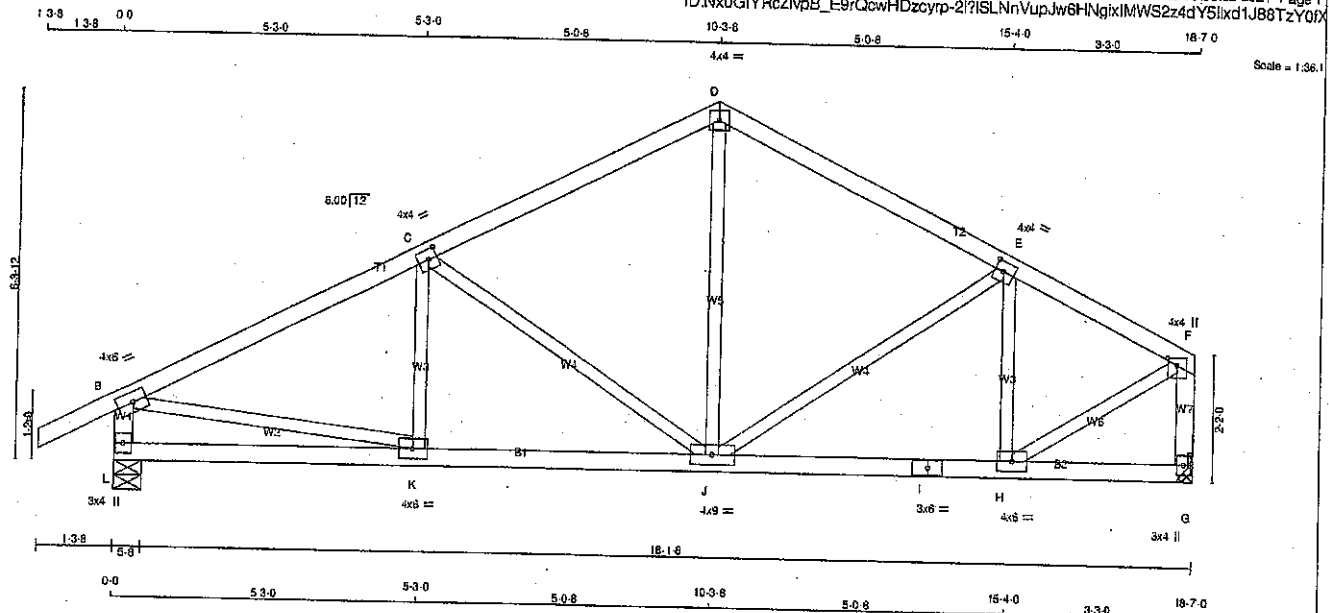


Structural component only
DWG# T-2108686

JOB NAME 417537	TRUSS NAME T51	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 MITek Industries, Inc. Tue Mar 23 15:50:52 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQowHDzcyr-2?ISLNNvUpJw6HNgixIMWSz24dY5lxd1J86TzY0fX



Scale = 1/32"

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-1	MT20	4.0	6.0		
C TMVW-1	MT20	4.0	4.0	2.00	1.75
D TTW-p	MT20	4.0	4.0		
E TMVW-1	MT20	4.0	4.0	2.00	1.75
F TMVW-p	MT20	4.0	4.0	1.50	2.00
G BMV1+p	MT20	3.0	4.0		
H BMVW-1	MT20	4.0	6.0		
I BS-t	MT20	3.0	6.0		
J BMVW-1	MT20	4.0	9.0		
K BMVW-1	MT20	4.0	6.0		
L 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	GROSS REACTION	VERT	GROSS REACTION	BRG	BRG
L	1149	0	1149	0	0
G	1024	0	1024	0	0

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	PERM. LIVE	WIND	DEAD	SOIL
L	810	545 0	0 0	0 0	265 0	0 0
G	724	475 0	0 0	0 0	249 0	0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 28	-91.8	-91.8 0.12 (1)	K-C	-96 / 52	0.02 (1)	
B-C	-1318 0	-91.8	-91.8 0.33 (1)	C-J	-498 / 0	0.33 (1)	
C-D	-908 0	-91.8	-91.8 0.31 (1)	J-D	0 / 427	0.10 (1)	
D-E	-902 0	-91.8	-91.8 0.27 (1)	J-E	-90 / 0	0.05 (1)	
E-F	-928 0	-91.8	-91.8 0.23 (1)	H-E	-409 / 0	0.09 (1)	
L-B	-1107 0	0.0	0.0 0.11 (1)	B-K	0 / 1216	0.27 (1)	
G-F	-1001 0	0.0	0.0 0.12 (1)	H-F	0 / 886	0.22 (1)	
L-K	0 / 0	-18.5	-18.5 0.11 (4)				
K-J	0 / 1200	-18.5	-18.5 0.25 (1)				
J-I	0 / 856	-18.5	-18.5 0.19 (1)				
I-H	0 / 856	-18.5	-18.5 0.18 (1)				
H-G	0 / 0	-18.5	-18.5 0.07 (4)				

TOTAL WEIGHT = 2 X 75 = 151 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, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/998 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TO=0.33/1.00 (B-C:1), BC=0.25/1.00 (J-K:1), WB=0.33/1.00 (C-J:1), SSI=0.21/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR 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 = 0.79 (F) (INPUT = 0.90)
JSI METAL = 0.34 (B) (INPUT = 1.00)

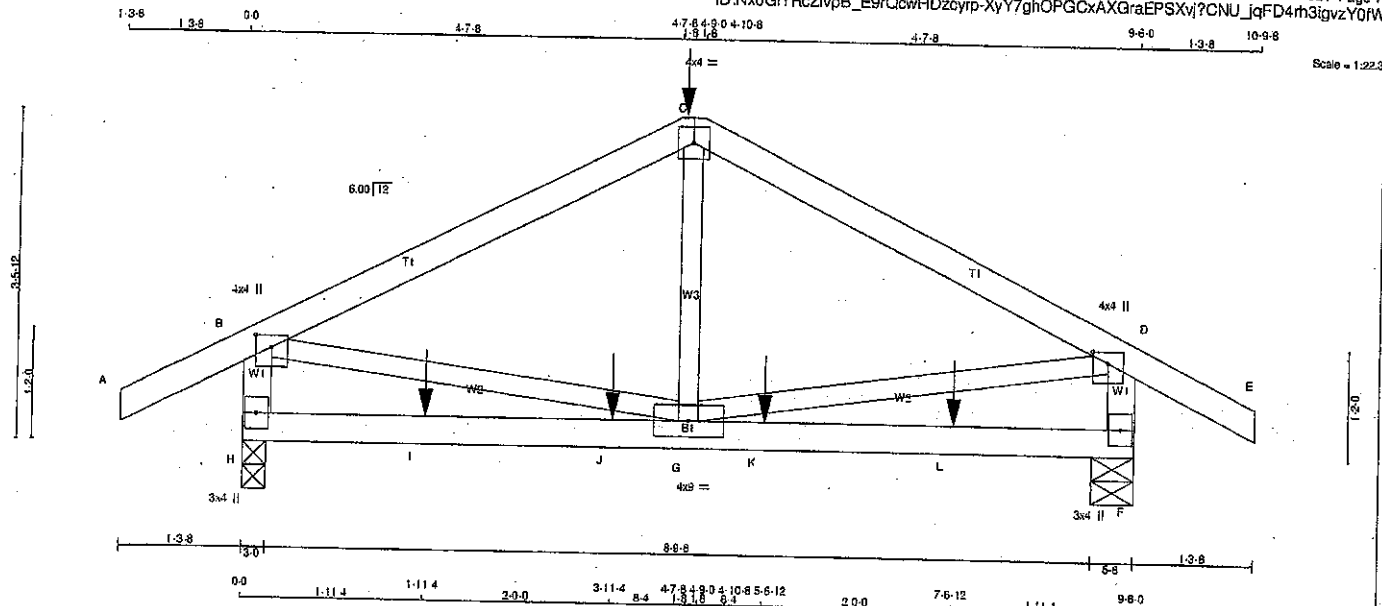


Structural component only
DWG# T-2108687

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T52	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:22.3

TOTAL WEIGHT = 38 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B - TMVW+p	MT20	4.0	4.0	1.50	2.00
C - TTW+p	MT20	4.0	4.0		
D - TMVW+p	MT20	4.0	4.0	1.50	2.00
F - BMV1+p	MT20	3.0	4.0		
G - BMVWW+p	MT20	4.0	9.0		
H - 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	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
H	890	0	890	0	0	0	3-0	3-0	
F	890	0	890	0	0	0	5-8	5-8	

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	COMBINED	421.0	0.0	0.0	0.0	206.0	0.0
F	COMBINED	421.0	0.0	0.0	0.0	206.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.03 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		WELLS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0.28	-91.8	-91.8 0.13 (1)	G-D	0.753	0.19 (1)	
B-C	-829.0	-91.8	-91.8 0.42 (1)	B-G	0.753	0.19 (1)	
C-D	-829.0	-91.8	-91.8 0.42 (1)	G-C	-114.87	0.03 (4)	
D-E	0.28	-91.8	-91.8 0.13 (1)				
F-D	-847.0	0.0	0.0 0.09 (1)				
H-B	-847.0	0.0	0.0 0.09 (1)				
H-I	0.0	-18.5	-18.5 0.19 (4)				
I-J	0.0	-18.5	-18.5 0.19 (4)				
J-G	0.0	-18.5	-18.5 0.19 (4)				
G-K	0.0	-18.5	-18.5 0.19 (4)				
K-L	0.0	-18.5	-18.5 0.19 (4)				
L-F	0.0	-18.5	-18.5 0.19 (4)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-9-0	-291	-291		FRONT	VERT	TOTAL		C1
I	1-11-4	-12	-12		FRONT	VERT	TOTAL		C1
J	3-11-4	-14	-14		FRONT	VERT	TOTAL		C1
K	5-6-12	-14	-14		FRONT	VERT	TOTAL		C1
L	7-6-12	-12	-12		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

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 (0.32")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.32")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

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

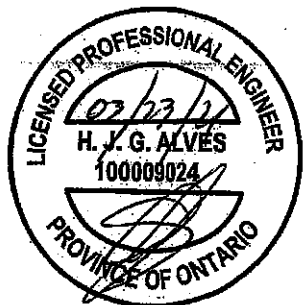
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSD) (PL) (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 = 0.89 (D) (INPUT = 0.99)
JSI METAL = 0.25 (B) (INPUT = 1.00)

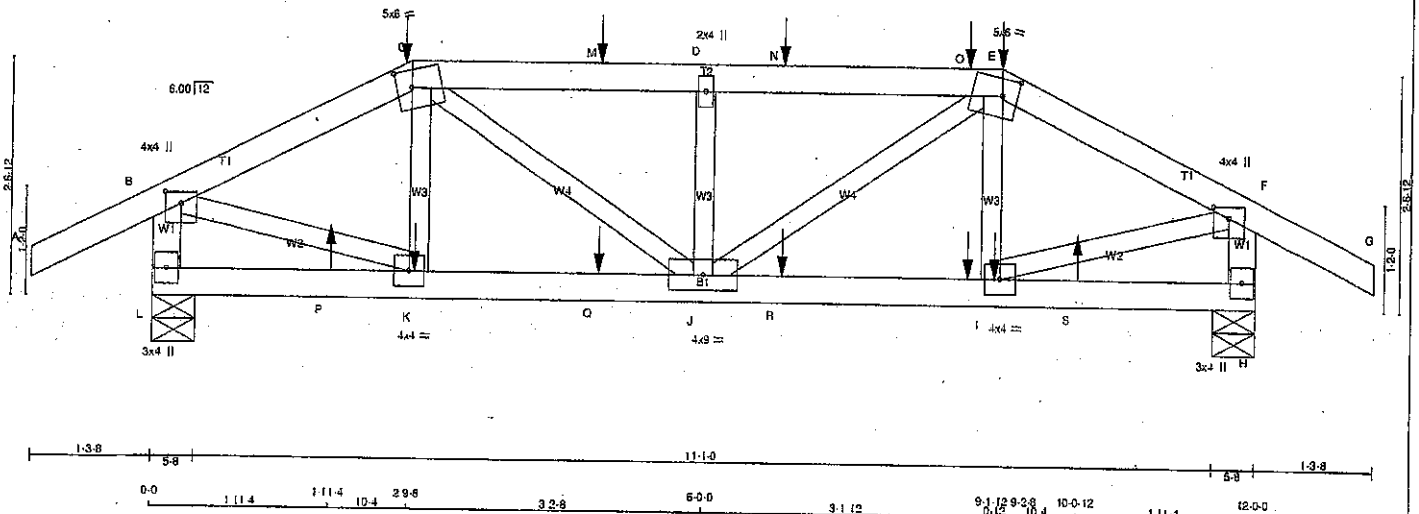
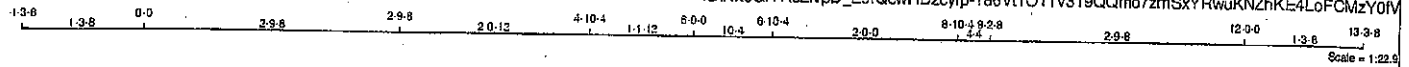


Structural component only
DWG# T-2108688

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T53	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 M Tek Industries, Inc. Tue Mar 23 15:50:54 2021 Page 1
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TOTAL WEIGHT = 48 lb

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.50	2.00
C	TTVW-m	MT20	5.0	6.0	2.25	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TTVW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW+p	MT20	4.0	4.0	1.50	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMVW-4	MT20	4.0	4.0		
J	BMVW-4	MT20	4.0	4.0		
K	BMVW-4	MT20	4.0	4.0		
L	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	GROSS REACTION	GROSS REACTION	GROSS REACTION	GROSS REACTION	BRG	BRG	IN-SX	IN-SX
L	883	0	883	0	883	0	883	0	883
H	881	0	881	0	881	0	881	0	881

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	609	407	0	0	0	202	0
H	621	419	0	0	0	205	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 = 5.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0/28	-91.8	-91.8	10.00	K-C	-151	2
B-C	-824/0	-91.8	-91.8	10.00	C-J	0/377	0.09 (1)
C-M	-1038/0	-91.8	-91.8	10.00	J-D	-384/0	0.06 (1)
M-D	-1038/0	-91.8	-91.8	10.00	D-E	0/351	0.09 (1)
D-N	-1038/0	-91.8	-91.8	10.00	E-F	-155	4
N-O	-1038/0	-91.8	-91.8	10.00	F-G	0/768	0.19 (1)
O-E	-1038/0	-91.8	-91.8	10.00	G-H	0/791	0.20 (1)
E-F	-849/0	-91.8	-91.8	10.00	H-I	0/791	0.20 (1)
F-G	0/28	-91.8	-91.8	10.00	I-J	0/791	0.20 (1)
G-H	-841/0	0.0	0.0	10.00	J-K	0/791	0.20 (1)
H-I	-859/0	0.0	0.0	10.00	K-L	0/791	0.20 (1)
L-P	0/0	-18.5	-18.5	10.00	P-K	0/0	-18.5
P-K	0/0	-18.5	-18.5	10.00	K-Q	0/730	-18.5
K-Q	0/730	-18.5	-18.5	10.00	Q-J	0/730	-18.5
Q-J	0/730	-18.5	-18.5	10.00	J-R	0/751	-18.5
J-R	0/751	-18.5	-18.5	10.00	R-I	0/751	-18.5
R-I	0/751	-18.5	-18.5	10.00	I-S	0/0	-18.5
I-S	0/0	-18.5	-18.5	10.00	S-H	0/0	-18.5
S-H	0/0	-18.5	-18.5	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	2-9-8	-40	-40	88	BACK	VERT	TOTAL	---	C1
E	9-2-8	-40	-40	88	BACK	VERT	TOTAL	---	C1
I	8-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
I	9-1-12	-3	-3	---	BACK	VERT	TOTAL	---	C1
K	2-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
M	4-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
N	6-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
O	8-10-4	-24	-24	---	BACK	VERT	TOTAL	---	C1
P	1-11-4	1	1	1	BACK	VERT	TOTAL	---	C1
Q	4-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
R	6-10-4	-3	-3	---	BACK	VERT	TOTAL	---	C1
S	10-0-12	1	1	1	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 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 (0.40")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.40")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.17/1.00 (D-E:1), BC=0.16/1.00 (I-J:1), WB=0.20/1.00 (F-I:1), SS=0.16/1.00 (D-E: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	850 371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

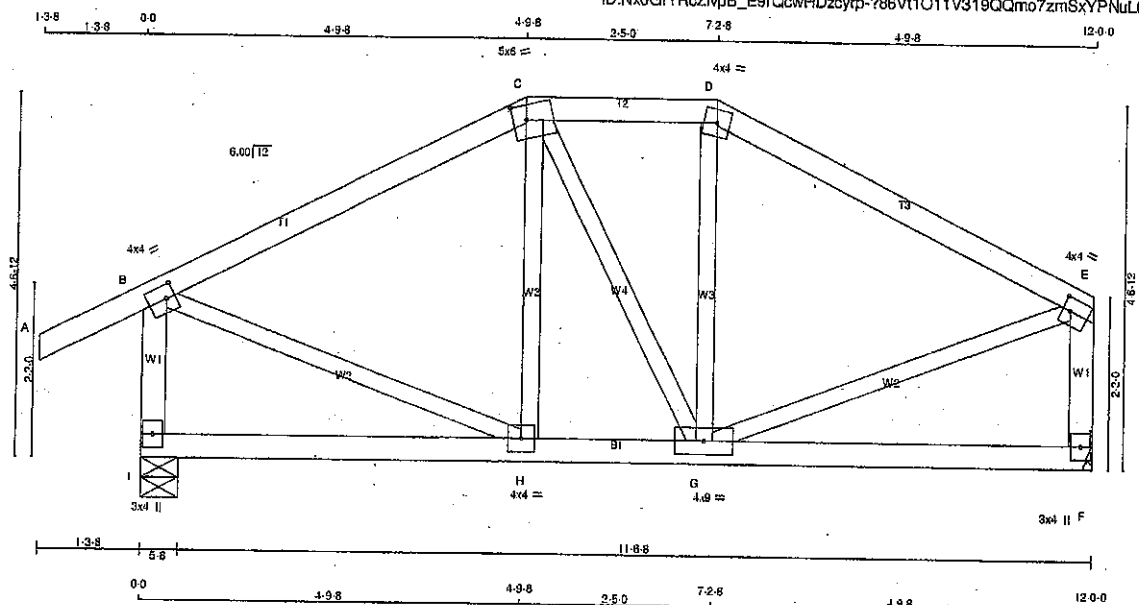
PLATE ROTATION TOL. = 5.6 Deg.

JSI GRIP = 0.90 (i) (INPUT = 0.90)
JSI METAL = 0.26 (i) (INPUT = 1.00)



Structural component only
DWG# T-2108689

JOB NAME 417537	TRUSS NAME T54	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 52 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 - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
H - I	2x4	DRY	No.2	SPF
I - J	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-I	MT20	4.0	4.0	2.00	1.25
C - TTWW-m	MT20	5.0	6.0	2.25	2.00
D - TTW-m	MT20	4.0	4.0		
E - TMVW-I	MT20	4.0	4.0	2.00	1.25
F - BMV1-p	MT20	3.0	4.0		
G - BMVWW-I	MT20	4.0	9.0		
H - BMVWW-I	MT20	4.0	4.0		
I - 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
I	VERT 786	DOWN 786	5-8	5-8
F	VERT 682	DOWN 682	MECHANICAL	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
I	554	376 / 0	0 / 0	0 / 0	177 / 0	0 / 0
F	468	307 / 0	0 / 0	0 / 0	161 / 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 = 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. VERT. LOAD (LBS)	MAX. HORIZ. LOAD (LBS)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. HORIZ. LOAD (LBS)
FR-TO						FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	H-C	-101 / 20	0.03 (1)	
B-C	-511 / 0	-91.8	-91.8	0.27 (1)	6.25	C-G	0 / 0	0.00 (1)	
C-D	-454 / 0	-91.8	-91.8	0.07 (1)	6.25	G-D	-102 / 20	0.03 (1)	
D-E	-511 / 0	-91.8	-91.8	0.27 (1)	6.25	B-H	0 / 489	0.11 (1)	
E-F	-747 / 0	0.0	0.0	0.09 (1)	7.81	G-E	0 / 489	0.11 (1)	
F-G	-622 / 0	0.0	0.0	0.07 (1)	7.81				
I-H	0 / 0	-18.5	-18.5	0.09 (4)	10.00				
H-G	0 / 455	-18.5	-18.5	0.12 (4)	10.00				
G-F	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/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 (0.40")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.40")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.27/1.00 (B-C:1), BC=0.12/1.00 (G-H:4), WB=0.11/1.00 (B-H:1), SSI=0.16/1.00 (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 (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 785
		1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (B) (INPUT = 0.90)
JSI METAL= 0.23 (B) (INPUT = 1.00)

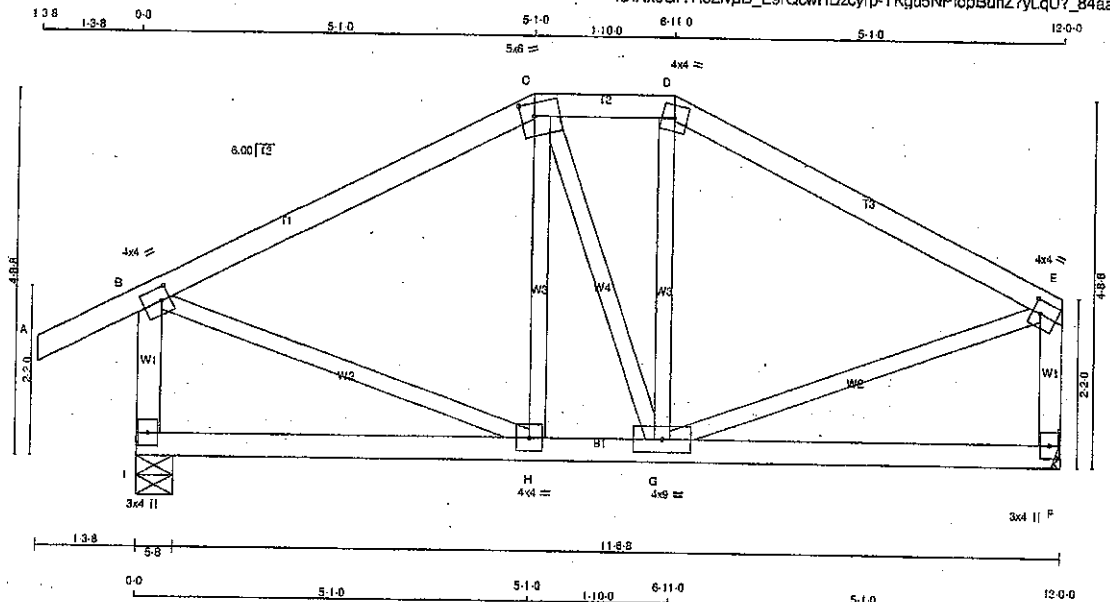


Structural component only
DWG# T-2108690

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417537	T55	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 53 lb
[M/F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	4.0	2.00	1.25
C	TTWW-m	MT20	5.0	6.0	2.00	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0	2.00	1.25
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	9.0		
H	BMWW-t	MT20	4.0	4.0		
I	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	REORD BRG
	VERT	HORZ	DOWN	HORZ		
I	786	0	786	0	5-8	5-8
F	662	0	662	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LCASE		MAX. MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	554	378	0	0	0	177	0
F	468	307	0	0	0	161	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MAX. FACTORED		FACTORED		MAX. UNBRAC	MAX. FACTORED		MEMB.	FACTORED	
MEMB.	FORCE (LBS)	VERT. (PLF)	LC1 MAX CSI (LC)		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	H-C	-90:22	0.03 (1)	
B-C	-505:0	-91.8	-91.8	0.31 (1)	6.25	C-G	-1:0	0.00 (1)	
C-D	-448:0	-91.8	-91.8	0.04 (1)	6.25	G-D	-91:22	0.03 (1)	
D-E	-504:0	-91.8	-91.8	0.31 (1)	6.25	B-H	0:479	0.11 (1)	
I-B	-748:0	0.0	0.0	0.09 (1)	7.81	G-E	0:479	0.11 (1)	
F-E	-621:0	0.0	0.0	0.07 (1)	7.81				
I-H	0:0	-18.5	-18.5	0.10 (4)	10.00				
H-G	0:449	-18.5	-18.5	0.14 (4)	10.00				
G-F	0:0	-18.5	-18.5	0.10 (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) = $L/360$ (0.40")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.40")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.03")

CSF: TO=0.31/1.00 (B-C:1), BC=0.14/1.00 (G-H:4), WB=0.11/1.00 (B-H: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

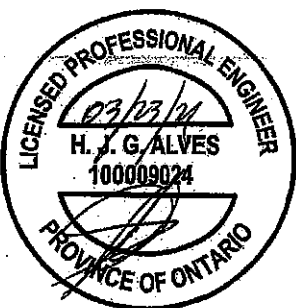
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR 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 = 0.73 (B) (INPUT = 0.90)
JSI METAL = 0.23 (B) (INPUT = 1.00)

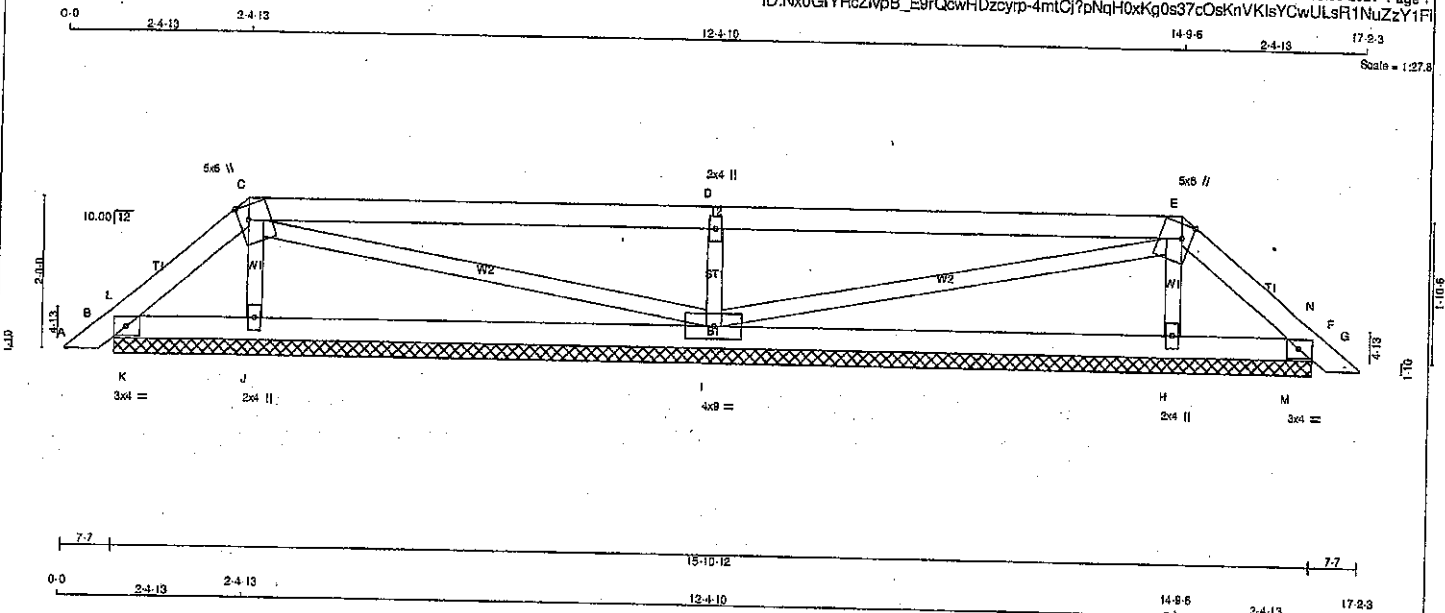


Structural component only
DWG# T-2108691

JOB NAME 417535	TRUSS NAME PB1	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:Nx0GIYRcZlpB_E9rQowHDzcyp-4mtCj?pnqH0xkg0s37c0sKnVKIsYCWJLsR1NuZzY1FI



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
B - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMB1-I	MT20	3.0	4.0		
C TTWW+m	MT20	5.0	6.0	2.25	1.50
D TMW+w	MT20	2.0	4.0		
E TTWW+m	MT20	5.0	6.0	2.25	1.50
F TMB1-I	MT20	3.0	4.0		
G BMW1+w	MT20	2.0	4.0		
H BMW1+w	MT20	4.0	9.0		
J 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		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
B	161	0	0	161	0	0	0	15-10-12	15-10-12
F	161	0	0	161	0	0	0	15-10-12	15-10-12
I	836	0	0	836	0	0	0	15-10-12	15-10-12
J	347	0	0	347	0	0	0	15-10-12	15-10-12
H	347	0	0	347	0	0	0	15-10-12	15-10-12

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	110	94.0	0.0	0.0	0.0	15.0	0.0
F	110	94.0	0.0	0.0	0.0	15.0	0.0
I	589	400.0	0.0	0.0	0.0	189.0	0.0
J	249	140.0	0.0	0.0	0.0	110.0	0.0
H	249	140.0	0.0	0.0	0.0	110.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC: MAX (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0.14	-91.8	-91.8 0.02 (1)	I-D	-710.0
B-L	-21.19	-91.8	-91.8 0.02 (4)	J-C	-232.0
L-C	-63.0	-91.8	-91.8 0.03 (1)	H-E	-232.0
C-D	-9.0	-91.8	-91.8 0.60 (1)	C-I	-19.0
D-E	-9.0	-91.8	-91.8 0.60 (1)	I-E	-19.0
E-N	-63.0	-91.8	-91.8 0.03 (1)	K-L	-138.0
N-F	-21.19	-91.8	-91.8 0.02 (4)	M-N	-138.0
F-G	0.14	-91.8	-91.8 0.02 (1)		
B-K	0.43	-18.5	-18.5 0.04 (1)		
K-J	0.43	-18.5	-18.5 0.11 (4)		
J-I	0.28	-18.5	-18.5 0.15 (4)		
I-H	0.28	-18.5	-18.5 0.15 (4)		
H-M	0.43	-18.5	-18.5 0.11 (4)		
M-F	0.43	-18.5	-18.5 0.04 (1)		

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 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

CSI: TC=0.60/1.00 (D-E:1), BC=0.15/1.00 (I-J:4), WB=0.10/1.00 (D-I:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

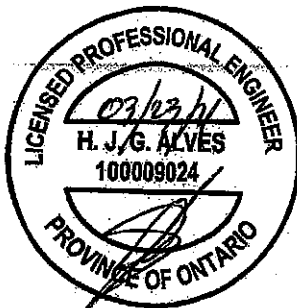
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (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 = 0.35 (D) (INPUT = 0.90)
JSI METAL = 0.15 (D) (INPUT = 1.00)

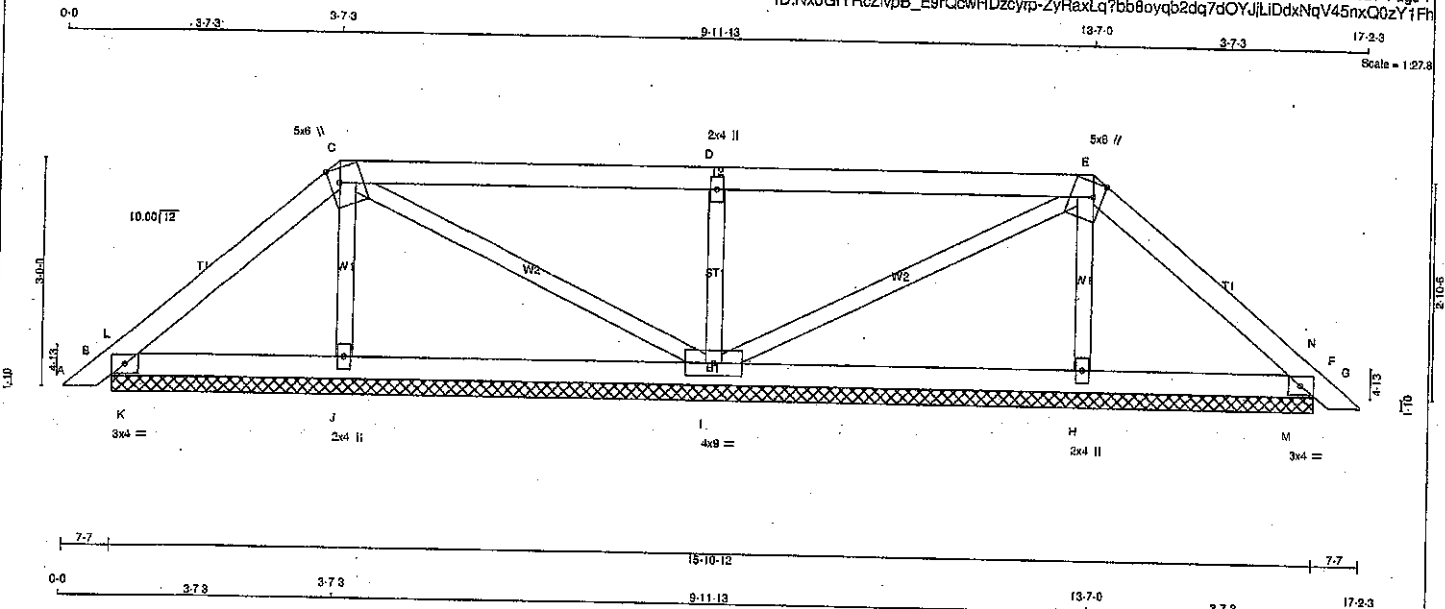


Structural component only
DWG# T-2108619

JOB NAME 417535	TRUSS NAME PB2	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:Nx0GIYRcZvpB_E9rQcwHDzcytp-ZyRaxLq?bb8oyqb2dg7dOYJLiDdxNqV45nxQ0zY1Fh



TOTAL WEIGHT = 3 X 54 = 163 lb

LUMBER			
N.L.G.A. RULES	SIZE	DRY	LUMBER
CHORDS	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - K	2x4	DRY	No.2
K - M	2x4	DRY	No.2
M - O	2x4	DRY	No.2
O - S	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B	TMB1-I	MT20	3.0	4.0
C	TTWW+M	MT20	5.0	6.0 2.25 1.50
D	TMW+W	MT20	2.0	4.0
E	TTWW+M	MT20	5.0	6.0 2.25 1.50
F	TMB1-I	MT20	3.0	4.0
H	BMW1+W	MT20	2.0	4.0
I	BMWW1-I	MT20	4.0	9.0
J	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
B	261	0	261	0	15-10-12	15-10-12
F	261	0	261	0	15-10-12	15-10-12
I	704	0	704	0	15-10-12	15-10-12
J	312	0	312	0	15-10-12	15-10-12
H	312	0	312	0	15-10-12	15-10-12

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
B	182	134 / 0	0 / 0	0 / 0	0 / 0	48 / 0	0 / 0
F	182	134 / 0	0 / 0	0 / 0	0 / 0	48 / 0	0 / 0
I	495	339 / 0	0 / 0	0 / 0	0 / 0	155 / 0	0 / 0
J	224	130 / 0	0 / 0	0 / 0	0 / 0	94 / 0	0 / 0
H	224	130 / 0	0 / 0	0 / 0	0 / 0	94 / 0	0 / 0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 14	-91.8 -91.8 0.02 (1)	10.00	I-D	-572 / 0	0.10 (1)	
B-L	-14 / 0	-91.8 -91.8 0.04 (1)	6.25	J-C	-202 / 0	0.03 (1)	
L-C	-101 / 0	-91.8 -91.8 0.09 (1)	6.25	H-E	-202 / 0	0.03 (1)	
C-D	-18 / 0	-91.8 -91.8 0.39 (1)	6.25	C-I	-51 / 0	0.03 (1)	
D-E	-18 / 0	-91.8 -91.8 0.39 (1)	6.25	I-E	-51 / 0	0.03 (1)	
E-N	-101 / 0	-91.8 -91.8 0.09 (1)	6.25	K-L	-257 / 0	0.00 (1)	
N-F	-14 / 0	-91.8 -91.8 0.04 (1)	6.25	M-N	-257 / 0	0.00 (1)	
F-G	0 / 14	-91.8 -91.8 0.02 (1)	10.00				
B-K	0 / 72	-18.5 -18.5 0.09 (1)	10.00				
K-J	0 / 72	-18.5 -18.5 0.09 (1)	10.00				
J-I	0 / 69	-18.5 -18.5 0.10 (4)	10.00				
I-H	0 / 69	-18.5 -18.5 0.10 (4)	10.00				
H-M	0 / 72	-18.5 -18.5 0.09 (1)	10.00				
M-F	0 / 72	-18.5 -18.5 0.09 (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 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 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.39/1.00 (C-D:1), BC=0.10/1.00 (I-J:4), WB=0.10/1.00 (D-I:1), SS=0.22/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

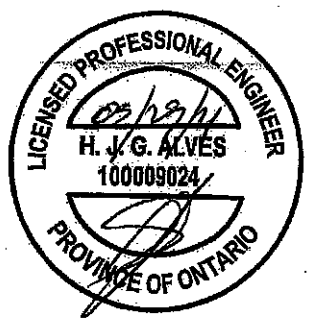
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.29 (C) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)



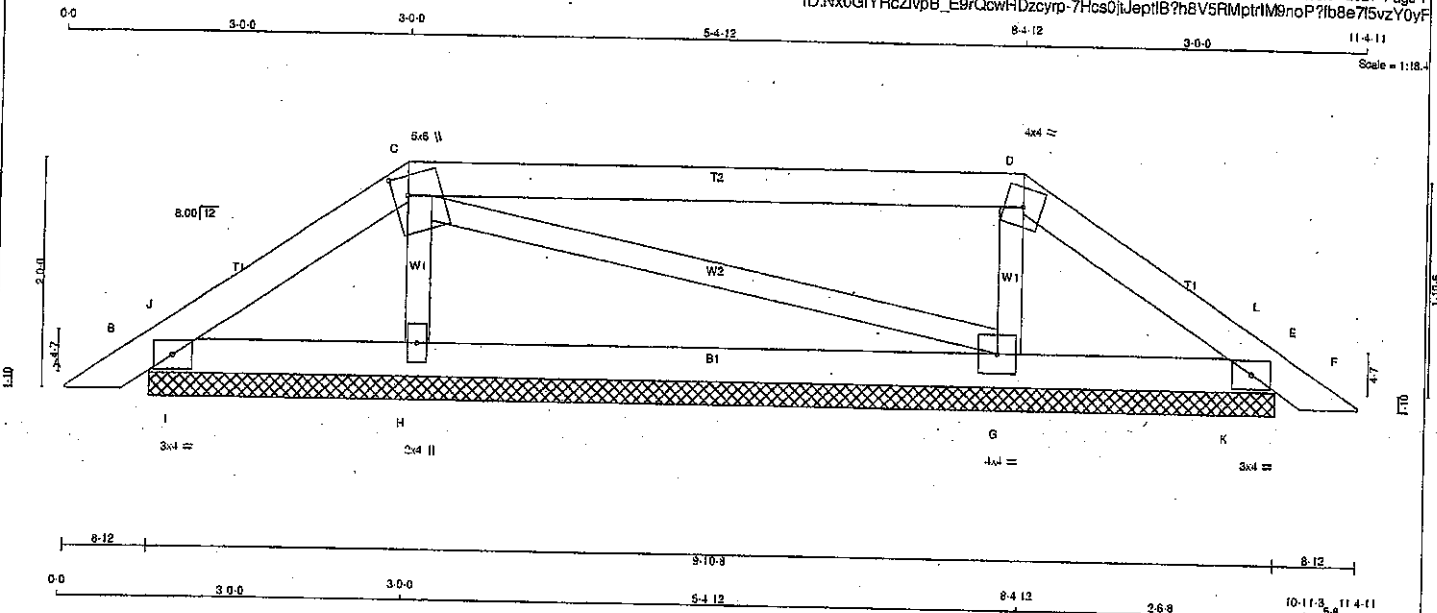
Structural component only
DWG# T-2108620

JOB NAME 417536	TRUSS NAME PB20	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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

A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B TMB1-I	MT20	3.0	4.0				
C TTW+M	MT20	5.0	6.0	2.00	1.50		
D TTW-M	MT20	4.0	4.0				
E TMB1-I	MT20	3.0	4.0				
G BMWW1-I	MT20	4.0	4.0				
H 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

FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT VERT	212	0	0
B VERT	212	0	0
E VERT	204	0	0
H VERT	388	0	0
G VERT	404	0	0

UNFACTORED REACTIONS	1ST LOASE	MAX./MIN. COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
B COMBINED	SNOW	LIVE
E COMBINED	SNOW	LIVE
H COMBINED	SNOW	LIVE
G COMBINED	SNOW	LIVE

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

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

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

LOADING TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO									
A-B	0.15	-91.8	-91.8	0.03 (1)	10.00				
B-J	-55.0	-91.8	-91.8	0.02 (1)	6.25				
J-C	-80.0	-91.8	-91.8	0.05 (1)	8.25				
C-D	-31.0	-91.8	-91.8	0.45 (1)	6.25				
D-L	-65.0	-91.8	-91.8	0.05 (1)	6.25				
L-E	-40.0	-91.8	-91.8	0.02 (1)	6.25				
E-F	0.15	-91.8	-91.8	0.03 (1)	10.00				
B-I	0.63	-18.5	-18.5	0.08 (1)	10.00				
I-H	0.63	-18.5	-18.5	0.08 (4)	10.00				
H-G	0.44	-18.5	-18.5	0.08 (4)	10.00				
G-K	0.51	-18.5	-18.5	0.08 (4)	10.00				
K-E	0.51	-18.5	-18.5	0.08 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS: TOP CH. LL = 25.6 PSF, BOT CH. LL = 6.0 PSF, DL = 0.0 PSF, TOTAL 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 068-14, 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=0.45/1.00 (C-D:1), BC=0.09/1.00 (H-E:4), WB=0.04/1.00 (D-G:1), SSI=0.19/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 798 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

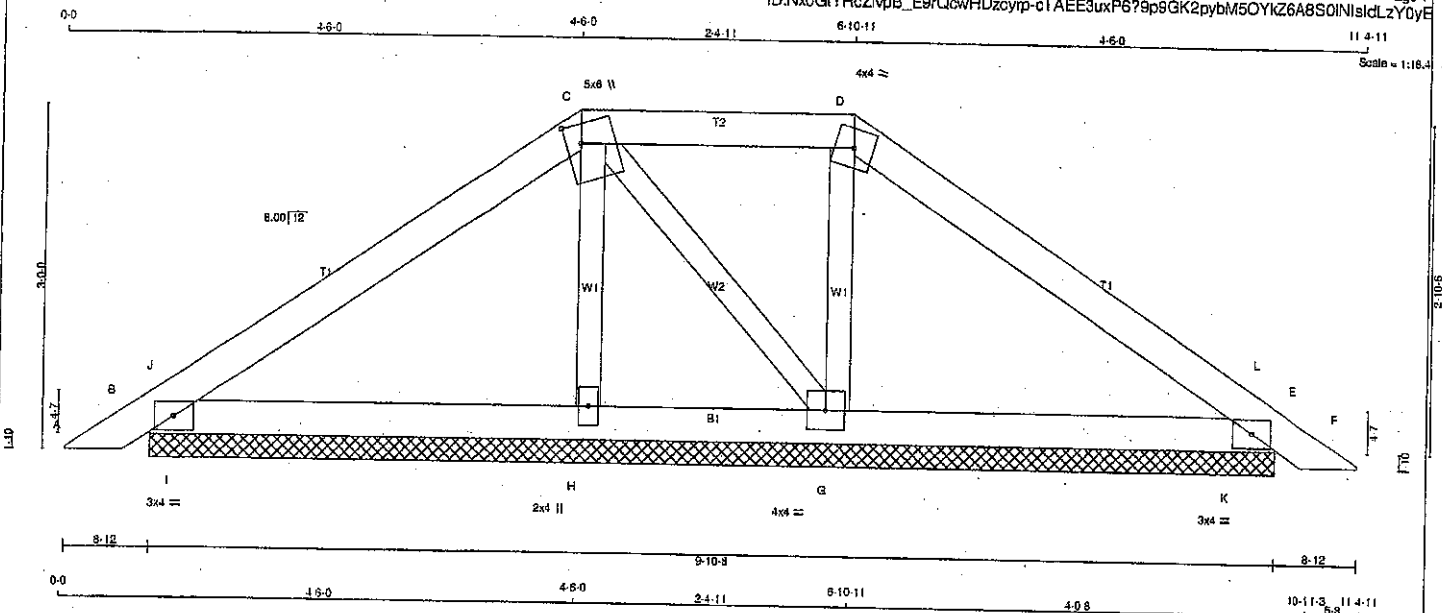
JSI GRIP= 0.20 (D) (INPUT = 0.90) JSI METAL= 0.08 (H) (INPUT = 1.00)



Structural component only DWG# T-2108647

JOB NAME 417536	TRUSS NAME PB21	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 Mitak Industries, Inc. Tue Mar 23 15:30:55 2021 Page 1
ID:Nx0GIYRcZlpB_E9rQcwHDzcyrp-cTAE3uxP679p9GK2pybM5OYKZ6A8S0iNisIdLZYdyE



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	
B - E	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
DRY, SEASONED LUMBER.					

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TM81-H	MT20	3.0	4.0			
C	TTWW-m	MT20	5.0	6.0	2.00	1.50	
D	TTW-m	MT20	4.0	4.0			
E	TM81-H	MT20	3.0	4.0			
G	BMWV1-H	MT20	4.0	4.0			
H	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		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	332	0	332	0	0	0	9-10-8	9-10-8	9-10-8
E	312	0	312	0	0	0	9-10-8	9-10-8	9-10-8
H	237	0	237	0	0	0	9-10-8	9-10-8	9-10-8
G	328	0	328	0	0	0	9-10-8	9-10-8	9-10-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
B	233	165.0	0.0	0.0	0.0	68.0	0.0
E	219	154.0	0.0	0.0	0.0	65.0	0.0
H	169	101.0	0.0	0.0	0.0	68.0	0.0
G	232	153.0	0.0	0.0	0.0	79.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO	
A-B	0 15	-91.8 -91.8 0.03 (1)	10.00	H-C	-146.0 0.02 (1)
B-J	-58.0	-91.8 -91.8 0.06 (1)	6.25	G-D	-201.0 0.03 (1)
J-C	-141.0	-91.8 -91.8 0.16 (1)	6.25	C-G	-47.0 0.01 (1)
C-D	-74.0	-91.8 -91.8 0.09 (1)	8.25	I-J	-301.0 0.00 (1)
D-L	-105.0	-91.8 -91.8 0.16 (1)	8.25	K-L	-304.0 0.00 (1)
L-E	-38.0	-91.8 -91.8 0.06 (1)	6.25		
E-F	0 15	-91.8 -91.8 0.03 (1)	10.00		
B-I	0 111	-18.5 -18.5 0.14 (1)	10.00		
I-H	0 111	-18.5 -18.5 0.14 (1)	10.00		
H-G	0 105	-18.5 -18.5 0.08 (1)	10.00		
G-K	0 82	-18.5 -18.5 0.14 (1)	10.00		
K-E	0 82	-18.5 -18.5 0.14 (1)	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/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 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

CSI: TC=0.16/1.00 (C-J:1), BC=0.14/1.00 (B-I:1), WB=0.03/1.00 (D-G:1), SS=0.24/1.00 (E-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (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 = 0.27 (B) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)

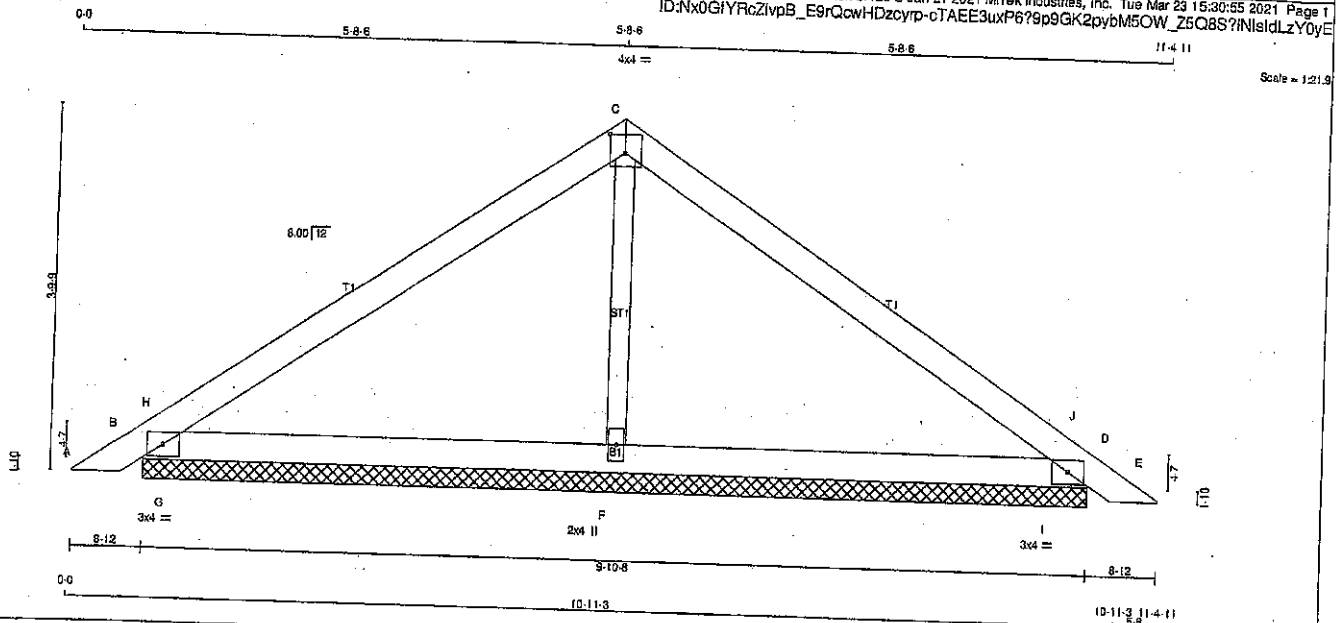


Structural component only
DWG# T-2108648

JOB NAME 417536	TRUSS NAME PB22	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:Nx0GIYRcZivpB_E9rQowHDzcyrp-cTAEe3uxP679p9GK2pybM5OW_Z6Q8S?iNlsidLzY0yE



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

PLATES (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMB1-I	MT20	3.0	4.0		
F	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
B	412	0	412	0	9-10-8	9-10-8
D	412	0	412	0	9-10-8	9-10-8
F	386	0	386	0	9-10-8	9-10-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		PERM. LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE				
B	288	205.0	0.0	0.0	0.0	0.0	83.0	0.0
D	288	205.0	0.0	0.0	0.0	0.0	83.0	0.0
F	276	183.0	0.0	0.0	0.0	0.0	114.0	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS B, D, 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			FACTORED			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD	LC1	MAX PLF	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM	TO			FR-TO		
A-B	0 / 16	-91.8	-91.8	0.03 (1)	10.00	F-C	-166 / 0	0.04 (1)
B-H	-42 / 15	-91.8	-91.8	0.15 (1)	6.25	G-H	-572 / 0	0.00 (1)
H-C	-205 / 0	-91.8	-91.8	0.27 (1)	6.25	I-J	-572 / 0	0.00 (1)
C-J	-205 / 0	-91.8	-91.8	0.27 (1)	6.25			
J-D	-42 / 15	-91.8	-91.8	0.15 (1)	6.25			
D-E	0 / 15	-91.8	-91.8	0.03 (1)	10.00			
B-G	0 / 160	-18.5	-18.5	0.25 (1)	10.00			
G-F	0 / 160	-18.5	-18.5	0.25 (1)	10.00			
F-I	0 / 160	-18.5	-18.5	0.25 (1)	10.00			
I-D	0 / 160	-18.5	-18.5	0.25 (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 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

CSI: TC=0.27/1.00 (C-J:1), BC=0.25/1.00 (F-I:1), WB=0.04/1.00 (C-F:1), SS=0.43/1.00 (D-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 550 371 1747 788 1887 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

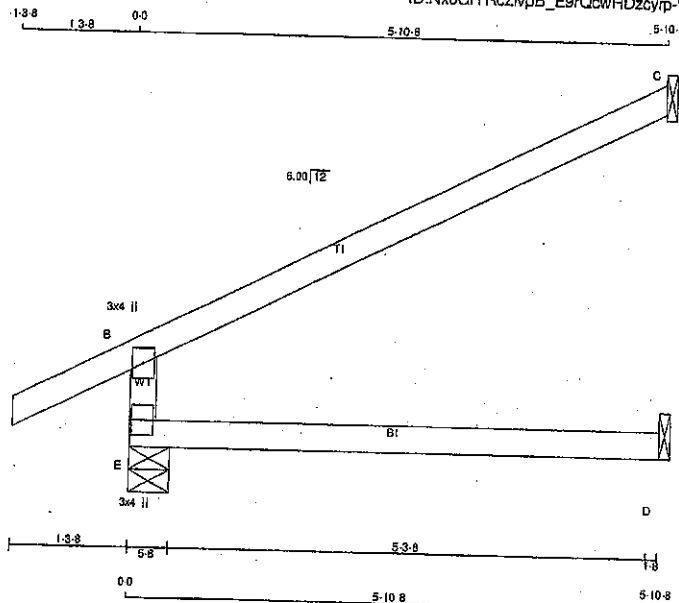
JSI GRIP = 0.35 (D) (INPUT = 0.90)
JSI METAL = 0.09 (D) (INPUT = 1.00)



Structural component only
DWG# T-2108649

JOB NAME 417537 Tamarack Roof Truss, Burlington	TRUSS NAME J1	QUANTITY 20	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
E - B	2x4	DRY	No.2	SPF	SPF
A - C	2x4	DRY	No.2	SPF	SPF
E - D	2x4	DRY	No.2	SPF	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
E BMV+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		
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 897791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX. MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
E	389	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	38.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)		MAX. FACTORED UNBRACED LENGTH FR-TO	MEMB.	WEBS MAX. FACTORED FORCE (LBS)
			FROM	TO			
FR-TO							
E-B	-461.0	0.0	0.0	0.13 (4)	7.81		
A-B	0.28	-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		

TOTAL WEIGHT = 20 X 17 = 336 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, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPC 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=0.18/1.00 (D-E:4)
WB=0.00/1.00 (max:0), SSI=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 768

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.18 (E) (INPUT = 0.80)
JSI METAL = 0.13 (B) (INPUT = 1.00)



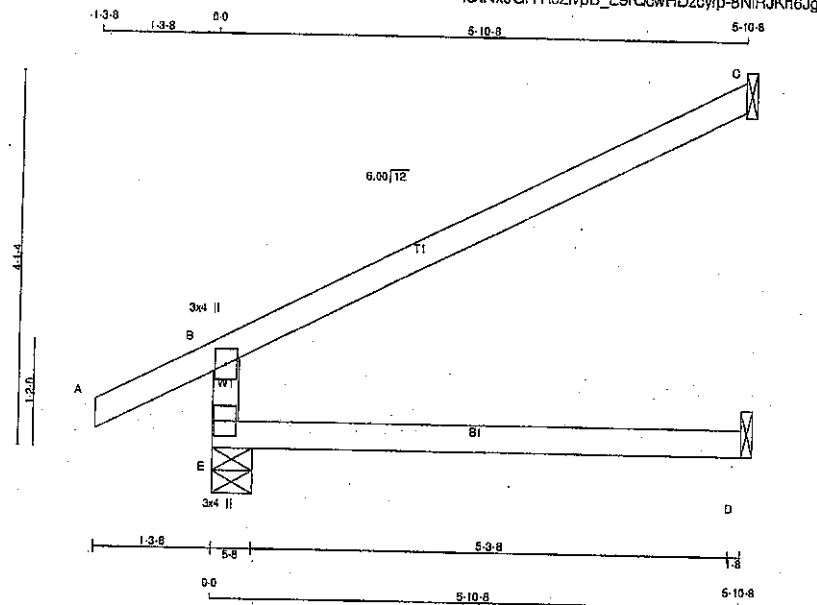
Structural component only
DWG# T-2108671

JOB NAME 417535	TRUSS NAME J1	QUANTITY 21	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:07 2021 Page 1
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Scale = 1:23.3



TOTAL WEIGHT = 21 X 17 = 353 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	TWV+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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
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 B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX/MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
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 = 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 (PL)	LC1 CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM TO			FR-TO		
E-B	-461.0	0.0	0.0	0.13 (4)	7.61		
A-B	0.28	-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/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
- 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 (0.03")

CS1: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS1=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.

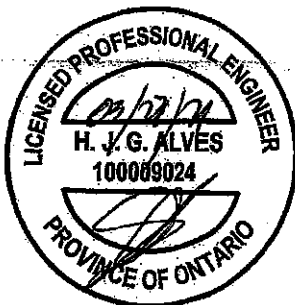
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(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 = 0.18 (E) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)

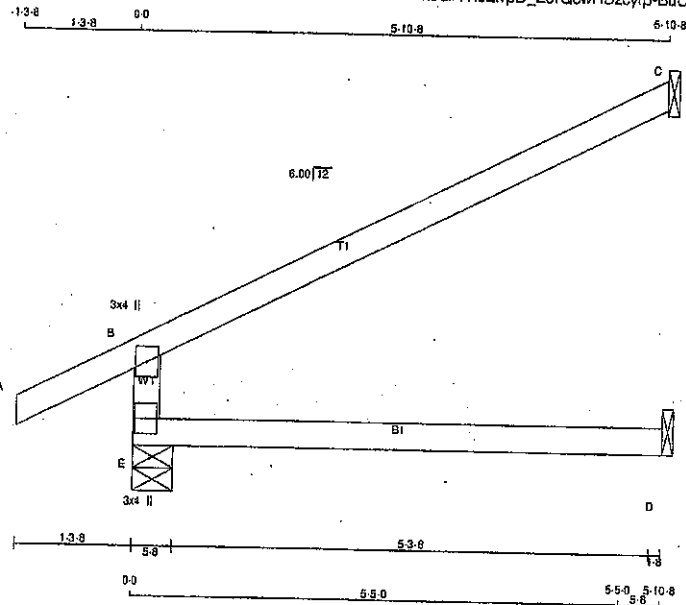


Structural component only
DWG# T-2108617

JOB NAME 417536	TRUSS NAME J1	QUANTITY 23	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 0.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:30:52 2021 Page 1
ID: Nx0GIYRcZlpB_EsrQcwHFDzoyr-BuU6c1s36BdayhXNgPukSmxXM5ex6pJgKee11zY0yH



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

TOTAL WEIGHT = 23 X 17 = 391 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)

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 IN-SX	REORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
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 B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
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 = 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 LC1 MAX. (LC)		MEMB. MAX. FACTORED FORCE (LBS)	WEBS MAX. FACTORED FORCE (LBS)
			FROM	TO		
FR-TO						
E-B	-461.0	0.0	0.0	0.13 (4)	7.81	
A-B	0.28	-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 = 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 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 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TO=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.

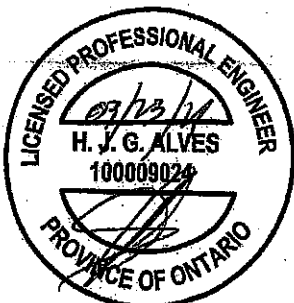
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (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 = 0.18 (E) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)



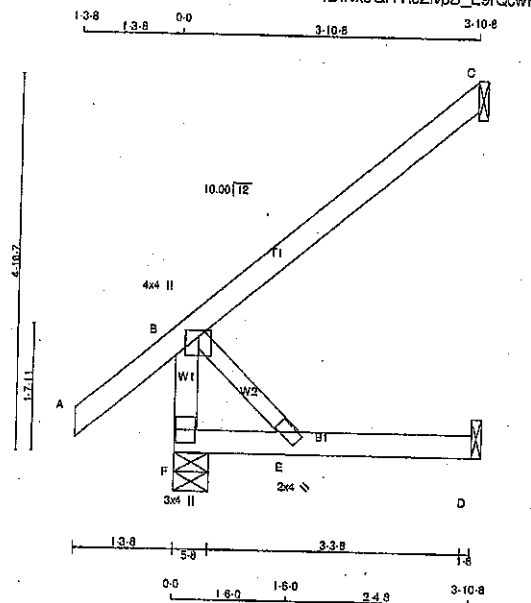
Structural component only
DWG# T-2108644

JOB NAME 417535	TRUSS NAME J2	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington.

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:08 2021 Page 1
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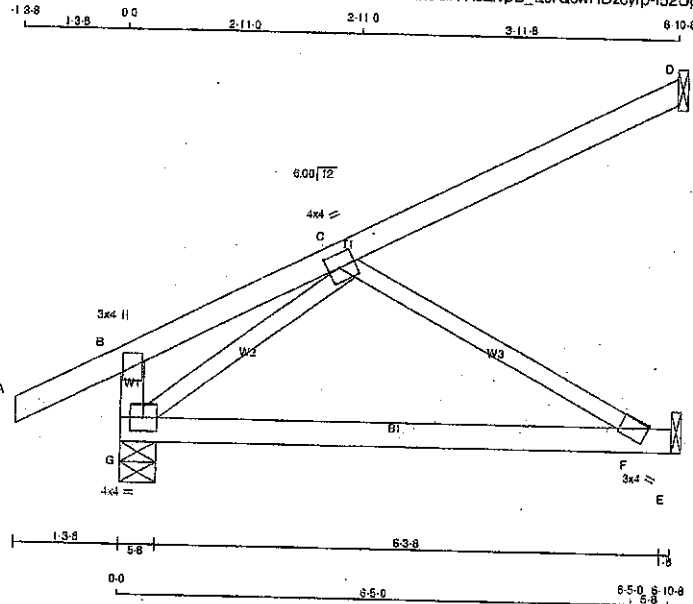
Scale = 1/27.5



JOB NAME 417536	TRUSS NAME J20	QUANTITY 4	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mtek Industries, Inc. Tue Mar 23 15:30:53 2021 Page 1
ID:Nx0GIYRcZlpB_E9rQcwHDzoyrp-f52UpNshVIRar6xxOw7GgICumPWgXFSv_NCZTzY0yG



Scale = 1/32.1

TOTAL WEIGHT = 4 X 25 = 101 lb

LUMBER

N. L. G. A. RULES

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVW-t	MT20	4.0	4.0	2.00	1.50
F BMV+w	MT20	3.0	4.0		
G BMVW1-t	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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT	VERT	HORZ	DOWN	HORZ
G	503	0	503	0
D	160	0	160	0
E	219	0	219	0

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) D, E

UNFACTORED REACTIONS

JT	1ST LOOSE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	354	245.0	0.0	0.0	0.0	108.0	0.0
D	111	88.0	0.0	0.0	0.0	23.0	0.0
E	157	88.0	0.0	0.0	0.0	69.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	UNBRACED LENGTH FR-TO
FR-TO		FROM TO		FR-TO			
G-B	-202.0	0.0	0.0 0.02 (1)	G-F	-324.0	0.12 (1)	
A-B	0.28	-91.8	-91.8 0.12 (1)	G-C	-359.0	0.08 (1)	
B-C	0.21	-91.8	-91.8 0.18 (1)				
C-D	-14.0	-91.8	-91.8 0.18 (1)				
G-F	0.278	-18.5	-18.5 0.28 (4)				
F-E	0.0	-18.5	-18.5 0.13 (1)				

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

155% 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 (0.23")
CALCULATED VERT. DEFL.(LL) = L/998 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/561 (0.15")

CSI: TC=0.18/1.00 (C-D:1), BC=0.28/1.00 (F-G:4), WB=0.12/1.00 (C-F:1), SS=0.17/1.00 (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 RIGHT HEEL ONLY

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

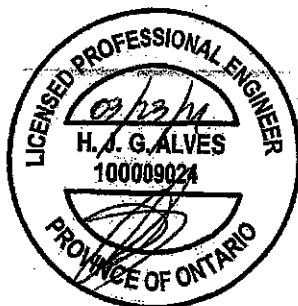
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

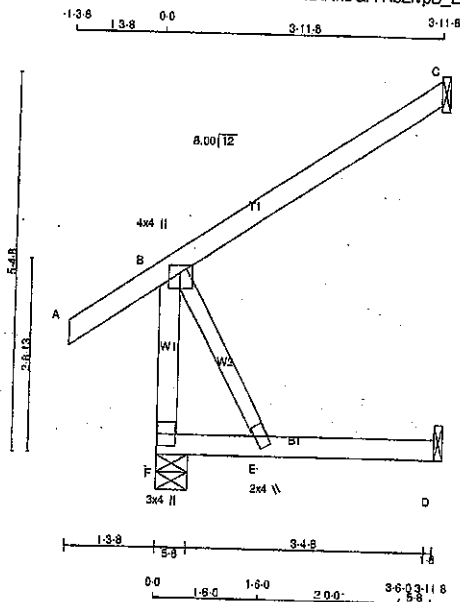
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.30 (G) (INPUT = 0.90)
JSI METAL = 0.12 (F) (INPUT = 1.00)



Structural component only
DWG# T-2108645

JOB NAME 417536	TRUSS NAME J21	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:30:53 2021 Page 1 ID:Nx0GIYRcZlvpB_E9rQcwHDzcyrp-f52UpNshTVIRar6xxOw7GgIBumSbgY3Sv_NCZTzY0yG		



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		REQ'D	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	BRG
F	344	0	344	0	0	5-8	5-8
C	182	0	182	0	0	1-8	1-8
D	37	0	41	0	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	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	241	172	0	0	0	0	0	0
C	125	101	0	0	0	0	0	0
D	29	0	0	0	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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		MAX. FACTORED	
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MEMB.	FORCE	MAX	MAX
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO		FR-TO			
F-B	-308	0	0.0 0.04 (1)	7.81	B-E	0	0.00 (1)
A-B	0	35	-91.8 -91.8 0.14 (5)	10.00			
B-C	0	0	-91.8 -91.8 0.24 (1)	10.00			
F-E	0	0	-18.5 -18.5 0.08 (4)	10.00			
E-D	0	0	-18.5 -18.5 0.08 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 17 = 50 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

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
- TFC 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 (0.19")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.01")

CSI: TC=0.24/1.00 (B-C:1), BC=0.08/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.12/1.00 (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 (PL)
(PSI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1878

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

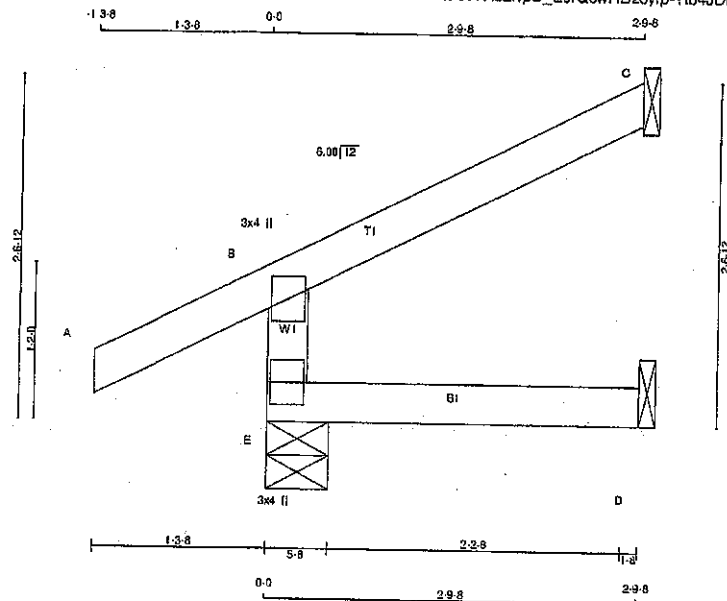
JSI GRIP= 0.20 (B) (INPUT = 0.30)
JSI METAL= 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108646

JOB NAME 417537 Tamarack Roof Truss, Burlington	TRUSS NAME J40	QUANTITY 5	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:50:37 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQcwHDzoyr-7ib4JDBM1HwRcodVI2AmFLlyw1ZQ42AkABBS6rzY0fm



TOTAL WEIGHT = 5 X 9 = 47 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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED - INPUT		REQD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
E	314	0	314	0	5-8	5-8
C	96	0	96	0	1-8	1-8
D	22	0	25	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					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	219	159.0	0.0	0.0	0.0	61.0	0.0
C	66	54.0	0.0	0.0	0.0	13.0	0.0
D	18	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)

MEMB.	CHORDS		FACTORED		WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO						
E-B	-284.0	0.0	0.0	0.02 (4)	7.81	
A-B	0.28	-91.8	-91.8	0.13 (5)	10.00	
B-C	-14.0	-91.8	-91.8	0.12 (1)	6.25	
E-D	0.0	-18.5	-18.5	0.03 (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 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.

(85% 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/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=0.13/1.00 (A-B-5), BC=0.03/1.00 (D-E-4), WB=0.00/1.00 (n/a:0), SSI=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.

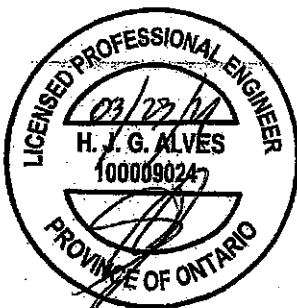
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

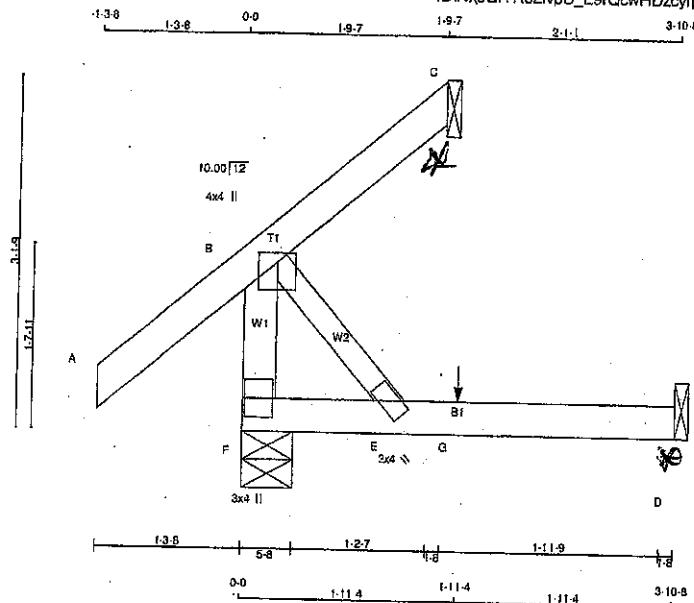
JSI GRIP = 0.11 (E) (INPUT = 0.80)
JSI METAL = 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108672

JOB NAME 417535	TRUSS NAME C1	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:10:04 2021 Page 1
ID:Nx0GIYRcZlvbB_E9rQcwhDzcyp-k04Jgile0IOIEV7uGa0D9H4lgH9RXgscAKdDMzY1Fr



Scale = 1:10.8

TOTAL WEIGHT = 12 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.				

DESCR.
SPF
SPF
SPF
SPF

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
F	VERT	HORZ	UPLIFT	IN-SX
F	294	0	294	0
C	38	0	33	0
D	35	0	40	0

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 CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	207	144 : 0	0 : 0	0 : 0	0 : 0	62 : 0	0 : 0
C	23	18 : -27	0 : 0	0 : 0	0 : 0	4 : 0	0 : 0
D	29	0 : 0	0 : 0	0 : 0	0 : 0	29 : 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				WEBS		
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1	CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM	TO			FR-TO		
F-B	-258	0.0	0.0	0.03 (1)	7.81			
A-B	0	-91.8	-91.8	0.14 (5)	10.00	B-E	0	0.00 (1)
B-C	-32	-91.8	-91.8	0.14 (5)	6.25			
F-E	0	-18.5	-18.5	0.07 (4)	10.00			
E-G	0	-18.5	-18.5	0.08 (4)	10.00			
G-D	0	-18.5	-18.5	0.09 (4)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	1	BACK	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 = 5.0 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 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 (0.01")

CS1: TO=0.14/1.00 (A-B:5), BC=0.08/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.09/1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
WT20	650	371	1747
		768	1987
			1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

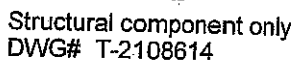
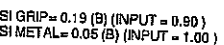
JSI GRIP = 0.19 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108613

Tamarack Roof Truss, Burlington

Scale = 1:18.8

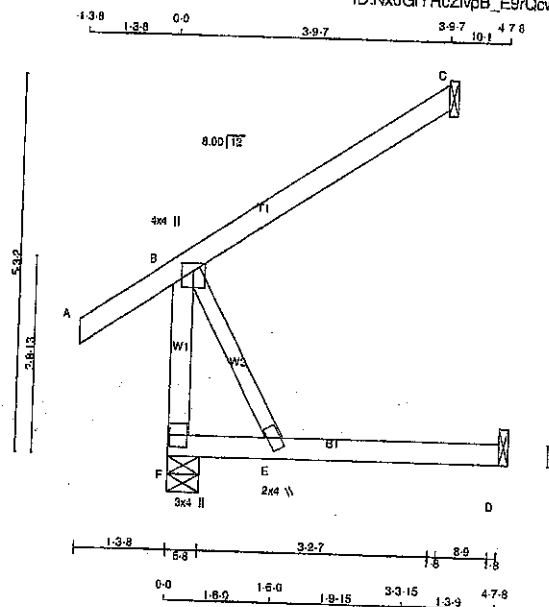


JOB NAME 417536	TRUSS NAME C20	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:Nx0GIYRcZlvpB_E9rQcwHdzcyrp-J7FbmfoY2z78T4E_8rKyZcbkUlkx?lpjmigRuFzY0yL

Scale = 1:23.5



TOTAL WEIGHT = 2 X 17 = 34 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD. BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	342	0	342	0	5-8	5-8
C	174	0	174	0	1-8	1-8
D	43	0	48	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				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	241	187	0	0	0	73	0
C	120	97	0	0	0	23	0
D	34	0	0	0	0	34	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 = 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		MAX. UNBRACED LENGTH	MEMB.	WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1	MAX. (PLF)	CS1 (LC)			MAX. FACTORED FORCE (LBS)	MAX. (PLF)
F-B	-300	0	0.0	0.0	0.04 (1)	7.81	0	0
A-B	0.35	-91.8	-91.8	0.12 (1)	10.00	0	0	0.00 (1)
B-C	0	-91.8	-91.8	0.22 (1)	10.00			
F-E	0	0	-18.5	-18.5	0.10 (4)	10.00		
E-D	0	0	-18.5	-18.5	0.12 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.5 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 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) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CS1: TC=0.22/1.00 (B-C:1), BC=0.12/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=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

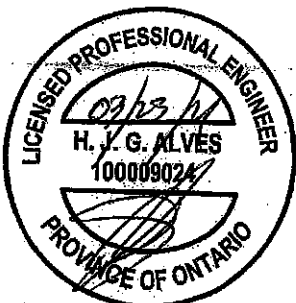
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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 = 0.80)
JSI METAL = 0.06 (B) (INPUT = 1.00)

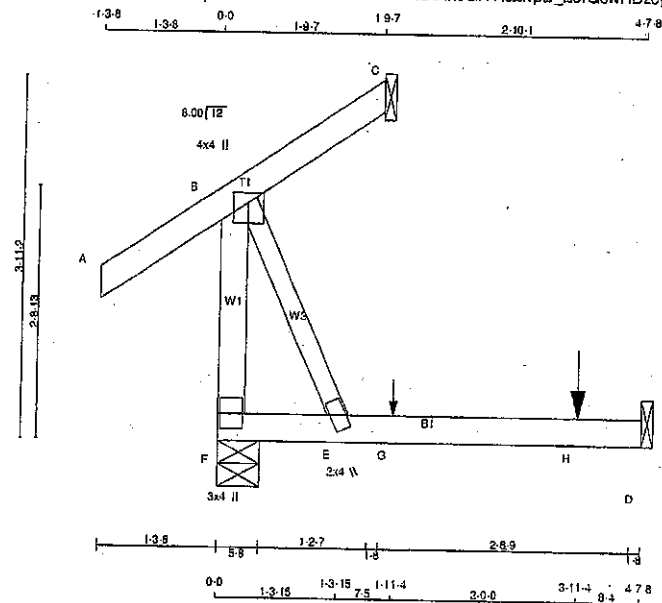


Structural component only
DWG# T-2108639

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
417536	C21	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/20

TOTAL WEIGHT = 2 X 14 = 29 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	DRY	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.

DESCR.
SPF
SPF
SPF

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	299	0	299	0
C	34	0	34	0
D	44	0	50	0

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	211	143	0	0	0	68	0
C	23	19	0	0	0	4	0
D	35	0	0	0	0	35	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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
F-B	FR-TO	-256	0	0	0.04 (1)	7.81	B-E	FR-TO	0	0.00 (1)
A-B	FR-TO	0	35	-91.8	-91.8	10.00				
B-C	FR-TO	-27	0	-91.8	-91.8	10.00				
F-E	FR-TO	0	0	-18.5	-18.5	10.00				
E-G	FR-TO	0	0	-18.5	-18.5	10.00				
G-H	FR-TO	0	0	-18.5	-18.5	10.00				
H-D	FR-TO	0	0	-18.5	-18.5	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC.	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	---	BACK	VERT	TOTAL	---	C1
H	3-11-4	1	1	---	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, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, ABC 2019
- PART 9 OF CBC 2012 (2015 AMENDMENT)
- CSA 086-14
- TPC 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 (0.02")

CSI: TC=0.12/1.00 (A-B:1), 9C=0.12/1.00 (D-E:4);
WB=0.00/1.00 (B-E:1), SSI=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)
MT20	650	371	1747
			788
			1907
			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-2108640

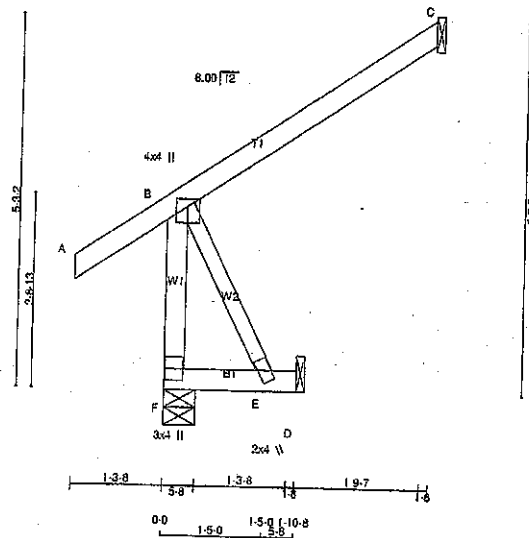
JOB NAME 417536	TRUSS NAME C22	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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1-3.6 1-3.8 0-0 1-10.8 1-10.8 1-10.15 3-9.7

Scale = 1/25.8



TOTAL WEIGHT = 2 X 14 = 28 lb

LUMBER

N.L.G.A. RULES

CHORDS	SIZE	DRY	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.

DESCR.
SPF
SPF
SPF

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	317	0	317	0	5-8	5-8
C	174	0	174	0	1-8	1-8
D	17	0	19	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX./MIN. COMPONENT REACTIONS				WIND	DEAD	SOIL
		SNOW	LIVE	PERM LIVE	UP			
F	220	167	0	0	0	0	53	0
C	120	97	0	0	0	0	23	0
D	14	0	0	0	0	0	14	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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LCI	MAX. CS (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM	TO			FR-TO			
F-B	-300 (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	0.13 (5)	10.00				
B-C	0 (0)	-91.8	-91.8	0.22 (1)	10.00				
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

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 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) = $L/360$ (0.19")
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=0.22/1.00 (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 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	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)

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.



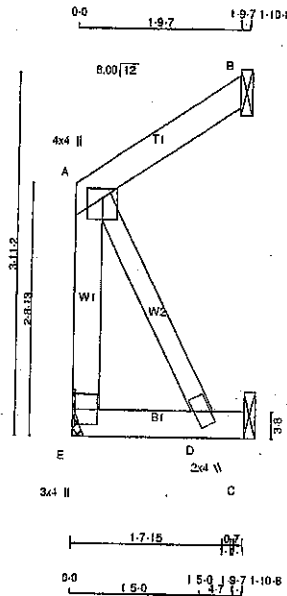
Structural component only
DWG# T-2108641

JOB NAME 417536	TRUSS NAME C23	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

ID: N0GIYRcZlvpB_E9rQcwHDzcyrp-FWMLBLqaaNsJONGFNQMgiYRVTCJ0D09Yy8zY0yJ
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Scale = 1:22.9



TOTAL WEIGHT = 3 X 10 = 29 lb (M/F)

LUMBER	DESOR.
N. L. G. A. RULES	SPF
CHORDS SIZE	SPF
E - A 2x4 DRY No.2	SPF
A - B 2x4 DRY No.2	SPF
E - C 2x4 DRY No.2	SPF
ALL WEBS 2x3 DRY No.2	SPF
DRY, SEASONED LUMBER.	

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TMVW+p MT20	4.0	4.0	1.25	2.00
D BMV+w MT20	2.0	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	99	0	99	0	MECHANICAL	
B	82	0	82	0	1-8	
C	17	0	19	0	1-8	

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) B, C

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	70	48 / 0	0 / 0	0 / 0	0 / 0	25 / 0	0 / 0
B	56	48 / 0	0 / 0	0 / 0	0 / 0	11 / 0	0 / 0
C	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 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: (4)

MEMB.	CHORDS		FACTORED		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	MEMB. MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						
E-A	-82.0	0.0	0.0	0.01 (1)	7.81	0.00 (1)
A-B	0 / 0	-91.8	-91.8	0.05 (1)	10.00	
E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00	
D-C	0 / 0	-18.5	-18.5	0.01 (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. 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 OBC 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 25.8 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=0.05/1.00 (A-B:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (A-D:1), SSI=0.05/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747
	788	1907	1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.05 (A) (INPUT = 0.90)
JSI METAL = 0.02 (A) (INPUT = 1.00)

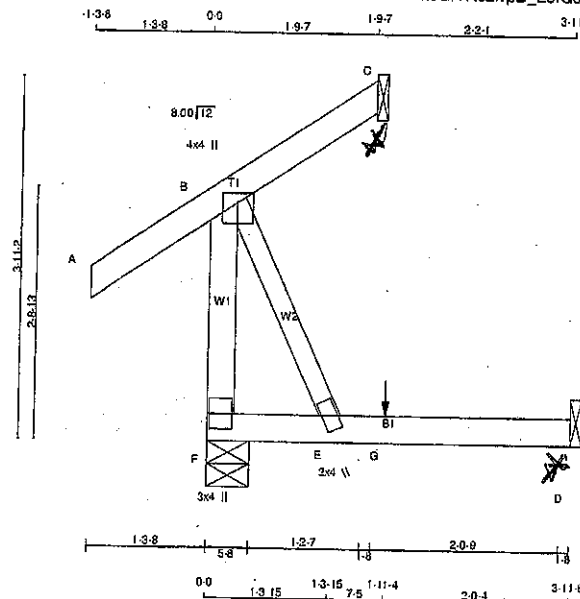


Structural component only
DWG# T-2108642

JOB NAME 417536	TRUSS NAME C24	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 Mar 23 15:30:51 2021 Page 1
ID:Nx0G1YRcIvpB_E9rQowHDzoyrp-jwJOhRLuVjKYyZpzufBFDs1ym7CfZ9Sgu5UazY0yl

Scale = 1/22.5



TOTAL WEIGHT = 14 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	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		MAXIMUM FACTORED			INPUT	REQD
		GROSS REACTION		GROSS REACTION			BRG	BRG
JT	VERT	HORZ		DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	293	0		293	0	0	5-8	5-8
C	34	0		34	0	-39	1-8	1-8
D	37	0		41	0	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	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	206	143	0	0	0	63	0
C	23	19	27	0	0	4	0
D	29	0	0	0	0	29	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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
F-B	-256	0	0.0	0.0	0.04 (1)	7.81	0.00 (1)
A-B	0	35	-91.8	-91.8	0.14 (5)	10.00	
B-C	-27	0	-91.8	-91.8	0.13 (5)	6.25	
F-E	0	0	-18.5	-18.5	0.08 (4)	10.00	
E-G	0	0	-18.5	-18.5	0.08 (4)	10.00	
G-D	0	0	-18.5	-18.5	0.08 (4)	10.00	

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	D/R	TYPE	HEEL	CONN.
G	1-11-4	1	1		BACK	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 NBC 2015, ABC 2018
- 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 (0.13")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.13")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.01")

CSI: TC=0.14/1.00 (A-B:5), BC=0.08/1.00 (D-E:4),
WB=0.00/1.00 (B-E:1), SSI=0.09/1.00 (A-B:5)

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.

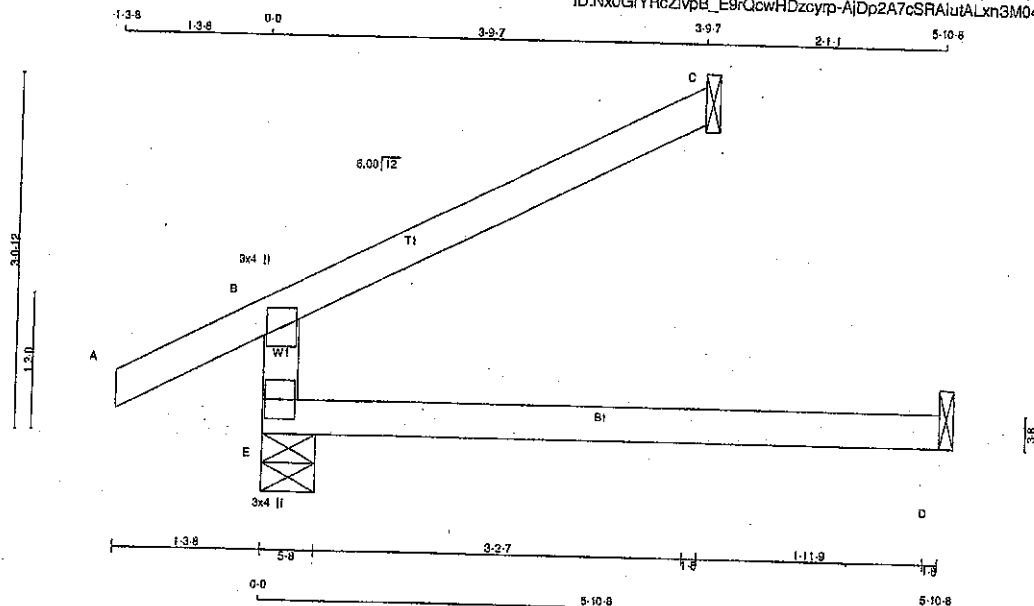
JSI GRIP = 0.17 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108643

JOB NAME 417537	TRUSS NAME C40	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 15:50:31 2021 Page 1
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Scale = 1:18.2

TOTAL WEIGHT = 3 X 14 = 42 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
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

FACTORED		MAXIMUM FACTORED		INPUT	REORD		
GROSS REACTION		GROSS REACTION		BRG	BRG		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	405	0	405	0	0	5-8	5-8
C	130	0	130	0	0	1-8	1-8
D	45	0	50	0	0	1-8	1-8

SEE MITTEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	288	190 0	0 0	0 0	0 0	98 0	0 0
C	90	73 0	0 0	0 0	0 0	17 0	0 0
D	36	0 0	0 0	0 0	0 0	36 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: (4)

CHORDS	MEMB.	MAX. FACTORED	FORCE	VERT. LOAD	LC1	MAX	MAX	UNBRAC	WEBS	MEMB.	MAX. FACTORED	FORCE	MAX
			(LBS)	(PLF)		CSI (LC)	LENGTH	FR-TO				(LBS)	CSI (LC)
FR-TO													
E-B	-342	0	0.0	0.0	0.13	(4)	7.81						
A-B	0	28	-91.8	-91.8	0.12	(1)	10.00						
B-C	-19	0	-91.8	-91.8	0.22	(1)	6.25						
E-D	0	0	-18.5	-18.5	0.13	(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/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 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) = $L/999$ (0.03")

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
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

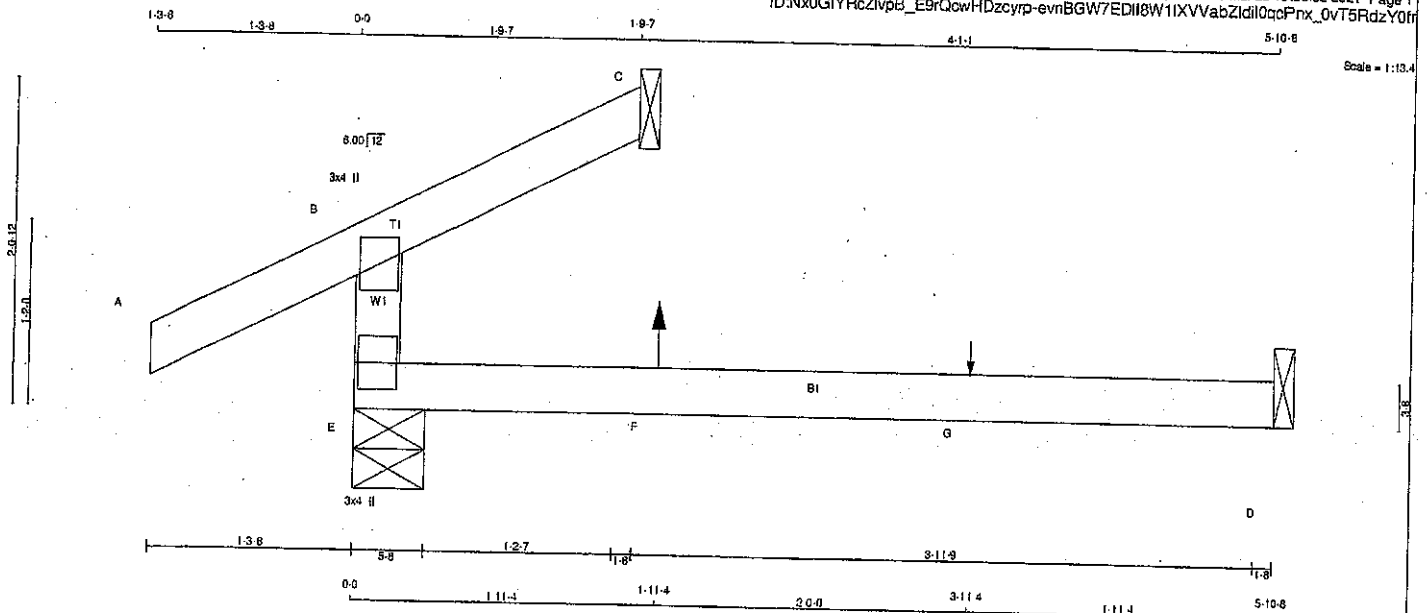
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.14 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108664

JOB NAME 417537	TRUSS NAME C41	QUANTITY 3	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:50:32 2021 Page 1 ID:Nx0GIYRcZlvpB_E9rQowHDzcyrp-evnBGW7EDII8W1IXVvabZidil0qcPrx_Ovt5RdzY0fr	



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)
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 REQD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
E	284	0	284	0	5-8	5-8
C	63	0	63	0	1-8	1-8
D	44	0	52	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97781H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	200	137.0	0.0	0.0	0.0	62.0	0.0
C	46	21.0	0.0	0.0	0.0	25.0	0.0
D	35	0.3	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				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		
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.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	5	1	8	BACK	VERT	TOTAL		C1
G	3-11.4	1	1		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 OBC 2012 (2019 AMENDMENT)
- CSA 085-14
- 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 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.04")

CSI: TO=0.12/1.00 (A-B:1), BO=0.14/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SSI=0.09/1.00 (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.

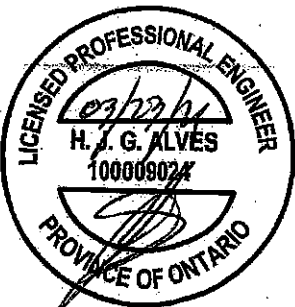
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.09 (E) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)

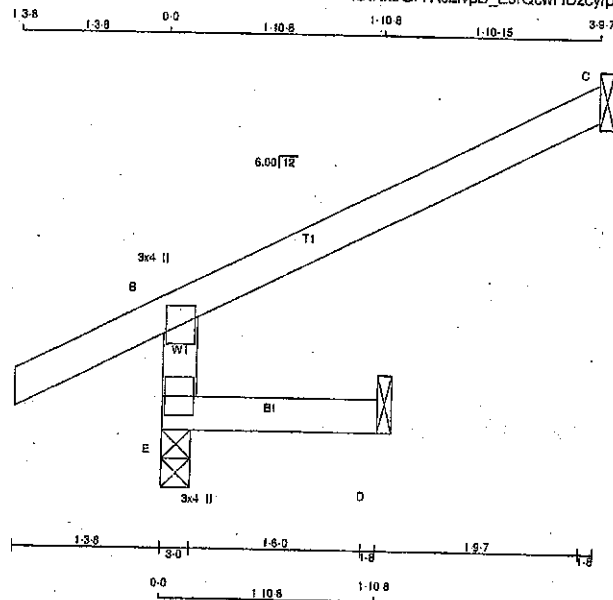


Structural component only
DWG# T-2108665

JOB NAME 417537	TRUSS NAME C42	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

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (Tables 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	361	0	361	0	3-0	3-0
C	130	0	130	0	1-8	1-8
D	16	0	17	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT E C D	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	250	190 0	0 0	0 0	0 0	60 0	0 0
	90	73 0	0 0	0 0	0 0	17 0	0 0
	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				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO			FR-TO		
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)	8.25			
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 = 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

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=0.22/1.00 (B-C:1), BC=0.02/1.00 (D-E:4),

WB=0.00/1.00 (A-B: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.

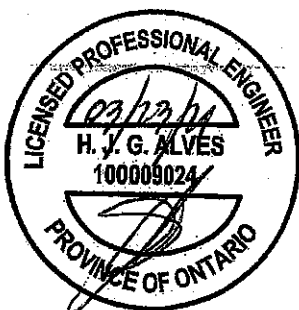
NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(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=0.14 (E) (INPUT = 0.80)
JSI METAL=0.09 (B) (INPUT = 1.00)

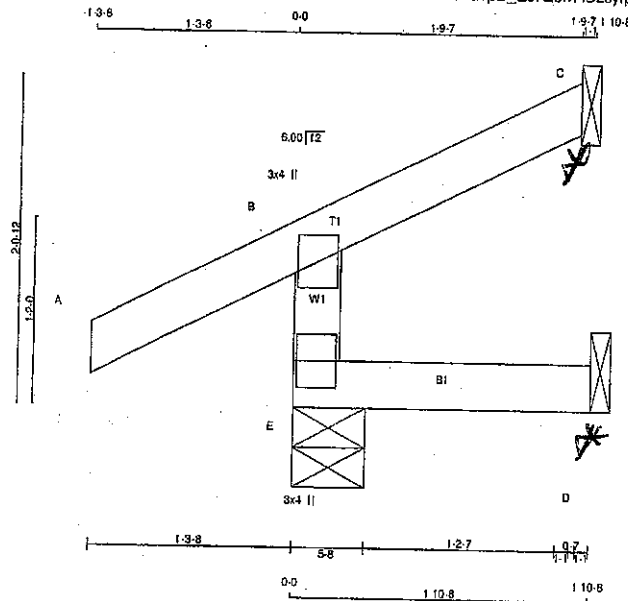


Structural component only
DWG# T-2108666

JOB NAME 417537	TRUSS NAME C43	QUANTITY 7	PLY 1	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.420 S Jan 21 2021 Mitek Industries, Inc. Tue Mar 23 15:50:39 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQgwHDzcypr-65LZTs8s_2Q78BKk3C5q5VAI3QB8EA8FZDez4zY0f9



Scale = 1/16\"

TOTAL WEIGHT = 7 X 7 = 49 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)

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		
E	271	0	271	0	5-8	5-8
C	45	0	45	0	1-8	1-8
D	8	0	17	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) E, 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 COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
E	188	141.0	0.0	0.0	0.0	47.0	0.0
C	31	24.7-18	0.0	0.0	0.0	7.0	0.0
D	7	0.7-8	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)	MAX. CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM TO			FR-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	= 25.8 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, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2015, ABC 2015
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 085-14
- TPC 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 (n/a: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.

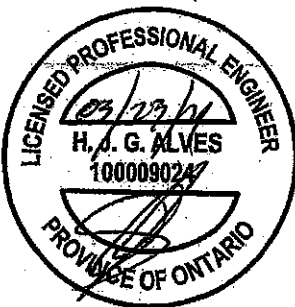
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

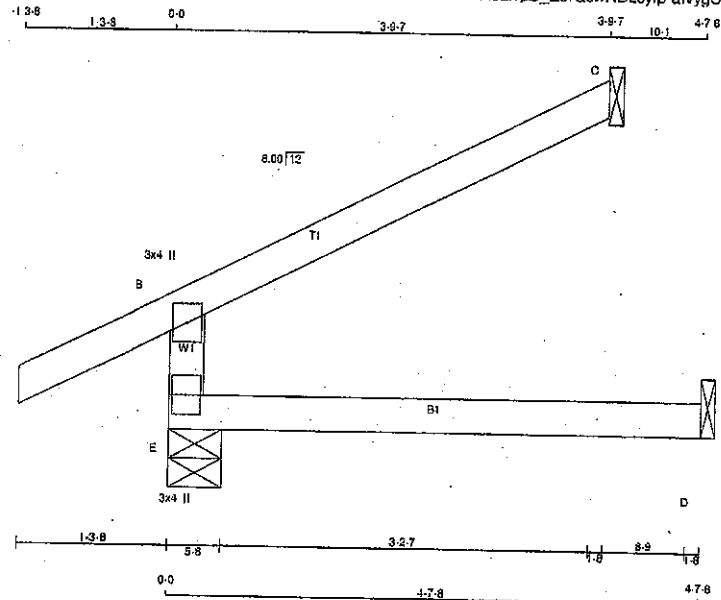
JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108667

JOB NAME 417537	TRUSS NAME C44	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 Mar 23 15:50:34 2021 Page 1
ID:Nx0GIYRozIvpB_E9rQowHDzcyrp-alvygC9UIMYslLuwDwc3ajj7BqWxthCHUDyCVWzY0fp



Scale = 1:18.2

TOTAL WEIGHT = 2 X 13 = 25 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		

DRY: SEASONED LUMBER.

PLATES (tablets 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	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	HORZ	UP/DT	IN-SX
E	391	0	0	5-8
C	130	0	0	1-8
D	36	0	0	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST CASE	MAX./MIN.	COMPONENT REACTIONS	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE
E	275	150	0	0
C	90	73	0	0
D	29	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: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
	(LBS)	LC1		(LBS)
		FROM		
FR-TO		TO	FR-TO	
E-B	-342	0.0	0.0	0.07 (4)
A-B	0.28	-91.8	-91.8	0.12 (1)
B-C	-18	-91.8	-91.8	0.22 (1)
E-D	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. O/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

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 (0.01")

CSH: TO=0.22/1.00 (B-C:1), BC=0.08/1.00 (D-E:4),
WB=0.00/1.00 (na: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
(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 = 0.14 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108668

Version 8.420 S Jan 21 2021 MiTek Industries, Inc. Tue Mar 23 16:50:35 2021 Page 1
ID:Nx0GIYRcZlvpB_E9rQcwHDzcyp-2UTKuXA6WggjNVT6Ad7IAwFCZEs5c8gRitit1yzY0fd

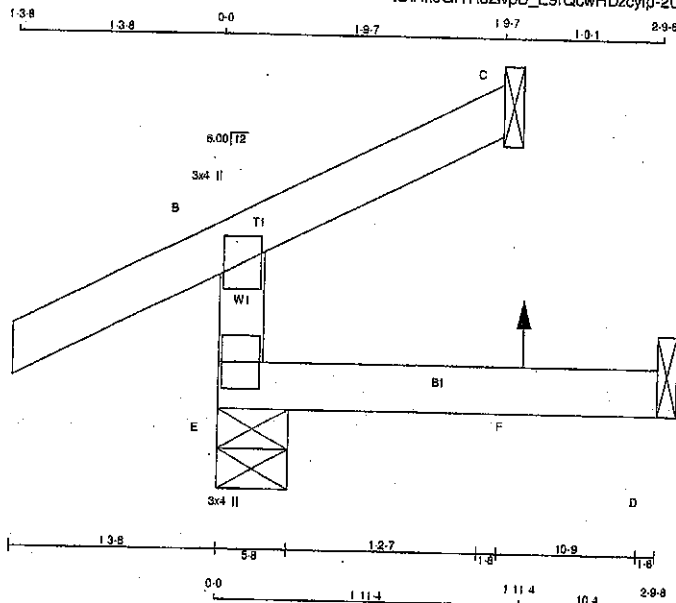


JSI GRIP= 0.09 (E) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

JOB NAME 417537	TRUSS NAME C46	QUANTITY 2	PLY 1	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 Mar 23 15:50:35 2021 Page 1
ID: N\XOGIYRcZlvpB_E9rQcwHDzcypr-2UTKuXA6WggjNVT6Ad7IAwFBPEtqc8gRtll1yzY0f



Scale = 1:13.2

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

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

DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
E	274	274	0	5.8
C	45	45	-23	1.8
D	14	25	0	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	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	191	139	0	0	0	52	0
C	32	23	-19	0	0	9	0
D	12	0	-8	0	0	18	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: (9)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MEMB. FORCE (LBS)
FR-TO		FROM TO		LENGTH FR-TO
E-B	-243	0	0.0	0.04 (5)
A-B	0	28	-91.8	-91.8 (5)
B-C	-17	0	-91.8	-91.8 (6)
E-F	0	0	-18.5	-18.5 (5)
F-D	0	0	-18.5	-18.5 (5)

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	5	1	8	FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 8 = 16 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, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 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 (0.19")
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=0.13/1.00 (A-B-5), BC=0.04/1.00 (D-E-5),
WB=0.00/1.00 (A-B-0), SS1=0.09/1.00 (A-B-5)

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 RIGHT HEEL ONLY

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

NAIL VALUES

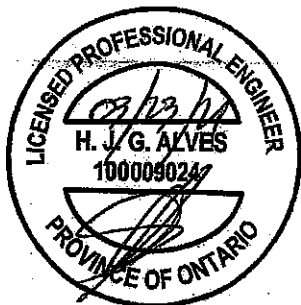
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1879

PLATE PLACEMENT TOL. = 0.250 inches

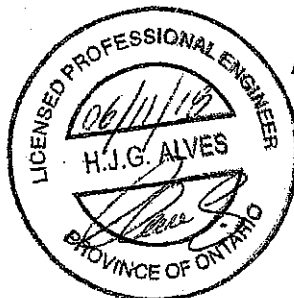
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.10 (E) (INPUT = 0.90)

JSI METAL = 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2108670



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-1300213

Feb 09, 2018

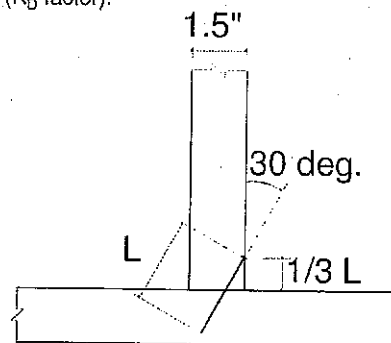
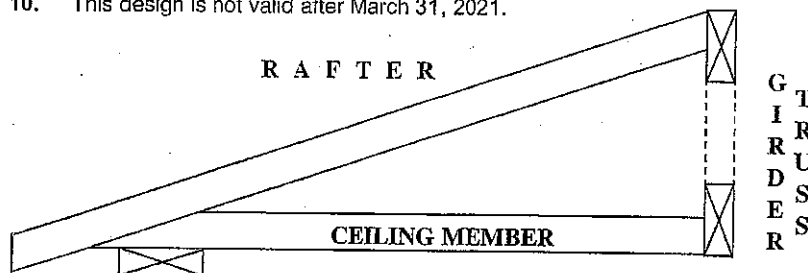
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

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.



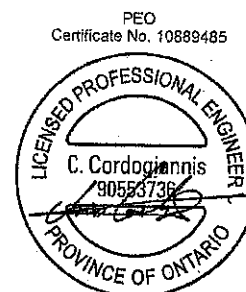
TOE-NAIL INSTALLATION

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

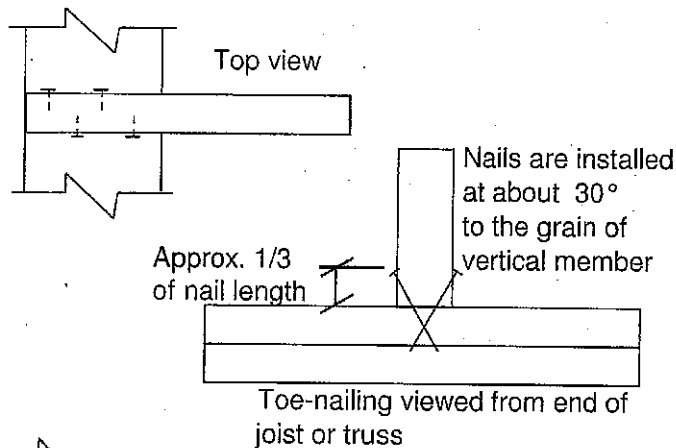
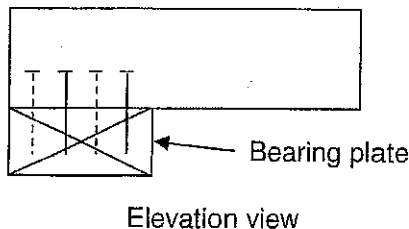
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52
COMMON SPIRAL	3.00	0.122	26	36
	3.25	0.122	28	40
	3.50	0.152	36	50

Note: If using truss with D. Fir lumber and S-P-F bearing plate, use values in table for S-P-F.

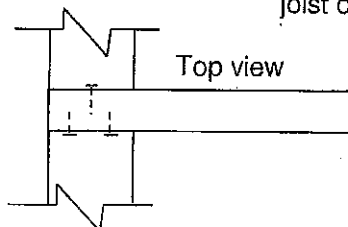
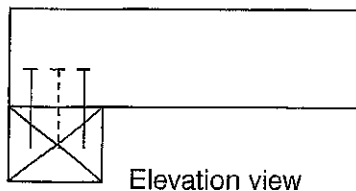
NOTES:

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

TECHNICAL BULLETIN

HUS/LJS – Double Shear Joist Hangers



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:

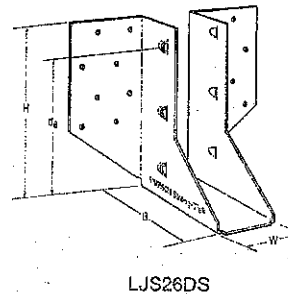
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

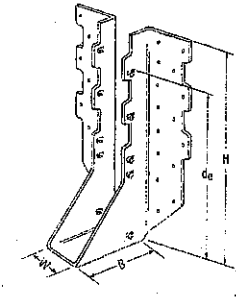
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

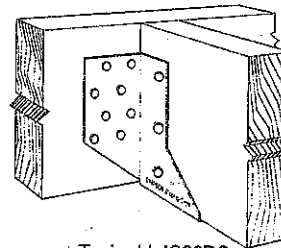
- See current catalogue for options



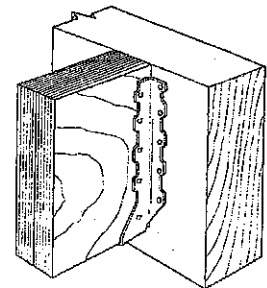
LJS26DS



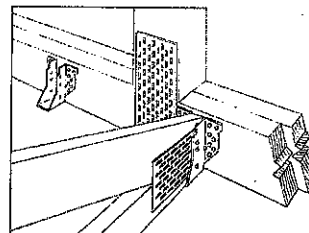
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS
Installation



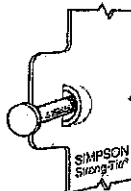
Typical HUS
Installation



Typical HUS Installation
(Truss Designer to provide fastener
quantity for connecting multiple
members together)

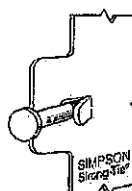
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d ₁	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K ₀ =1.15) lb.	Normal (K ₀ =1.00) lb.	Uplift (K ₀ =1.15) lb.	Normal (K ₀ =1.00) lb.
LJS26DS	18	1 1/16	5	3 1/2	4 5/8	(16) 16d	(8) 16d	2055	4265	1460	4115
HUS26	18	1 5/8	5 3/8	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
HUS28	18	1 5/8	7 3/8	3	6 3/8	(22) 16d	(8) 16d	3605	5365	2675	4345
HUS210	16	1 5/8	9 3/8	3	7 3/8	(30) 16d	(10) 16d	4505	5795	4010	4740
HUS1.81/10	16	1 5/8	9	3	8	(30) 16d	(10) 16d	4505	6450	4010	5200

1. d₂ is the distance from the seat of the hanger to the highest joist nail.

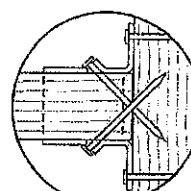


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,603,680



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-SPECHUS20 3/20 exp. 6/22

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TECHNICAL BULLETIN

LUS – Double Shear Joist Hangers



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:

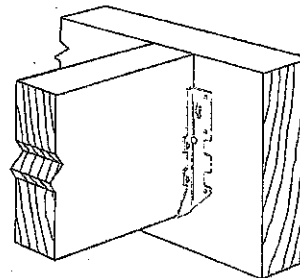
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

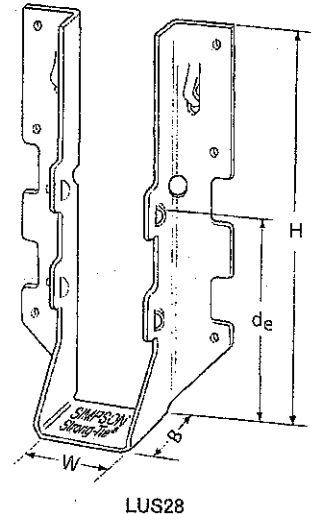
- Use all specified fasteners.
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire,
10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.

Options:

- These hangers cannot be modified

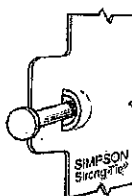


Typical LUS Installation

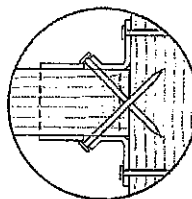


Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d ₂ ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
LUS24	18	1 1/8	3 1/8	1 3/4	1 1/8	(4) 10d	(2) 10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/8	2	1 1/8	(4) 16d	(2) 16d	835	2020	590	1435
LUS26	18	1 1/8	4 3/4	1 3/4	3 3/8	(4) 10d	(4) 10d	1420	2170	1290	1630
LUS26-2	18	3 3/8	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 3/8	1 3/4	3 3/8	(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 1/8	1 3/4	3 3/8	(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

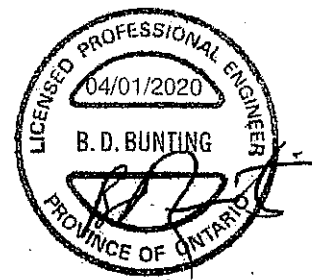
1. d₂ is the distance from the seat of the hanger to the highest joist nail.



Double Double Shear Nailing prevents tabs breaking off (available on some models).
U.S. Patent 5,603,590



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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TECHNICAL BULLETIN

HGUS – Double Shear Joist Hangers



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:

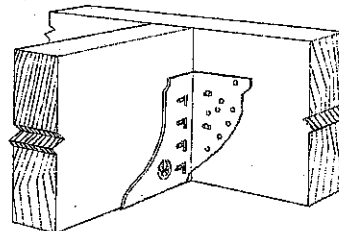
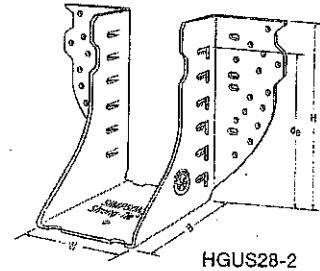
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%.
No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

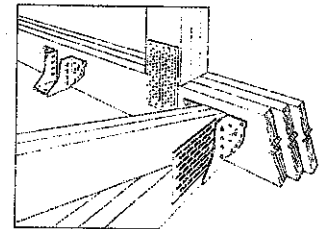
- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

- See current catalogue for options



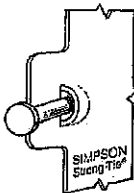
Typical HGUS Installation



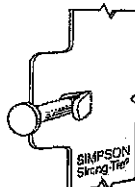
Typical HGUS Installation
(Truss Designer to provide fastener quantity for connecting multiple members together)

Model No.	Ga.	Dimensions (in.)					Fasteners		Factored Resistance (lb.)			
		W	H	B	d ₁		Face	Joist	D-Fir-L		S-P-F	
									Uplift (K ₀ =1.15)	Normal (K ₀ =1.00)	Uplift (K ₀ =1.15)	Normal (K ₀ =1.00)
HGUS26	12	1 1/8	5 3/8	5	4 5/32		(20) 16d	(8) 16d	2685	6625	2685	5700
HGUS26-2	12	3 1/16	5 1/8	4	4 1/4		(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-3	12	4 1/16	5 1/2	4	4 1/4		(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-4	12	6 1/16	5 7/8	4	4 1/4		(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS28	12	1 3/8	7 1/8	5	6 1/8		(36) 16d	(12) 16d	3310	7675	3100	6900
HGUS28-2	12	3 3/16	7 3/8	4	6 1/8		(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-3	12	4 1/16	7 1/4	4	6 1/8		(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-4	12	6 1/16	7 3/8	4	6 1/8		(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS210	12	1 1/2	9 1/8	5	7 7/8		(46) 16d	(16) 16d	3535	11070	2510	8090
HGUS210-2	12	3 1/8	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 1/8		(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	8 1/8	10 3/8	4	10 1/8		(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	8 3/8	12 3/8	4	11 1/8		(66) 16d	(22) 16d	10130	16400	7195	11645

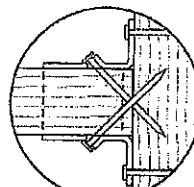
1. d₂ is the distance from the seat of the hanger to the highest joist nail.



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

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T-SPECHGUS20 3/20 exp. 6/22

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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

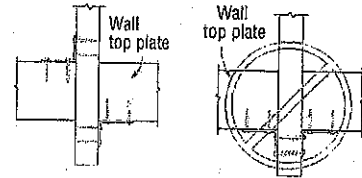
Design: • Factored resistances are in accordance with CSA O86-14
• Factored resistances have been increased 15%. No further increase is permitted.

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

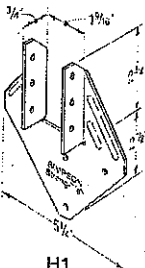
Factored resistances for more than one direction for a single connection cannot be added together. A factored load which can be divided into components in the directions given must be evaluated as follows: Factored Shear/Resisting Shear + Factored Tension/Resisting Tension ≤ 1.0.

Hurricane Tie Installations to Achieve Twice the Load (Top View)

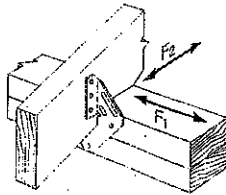


Install diagonally across from each other for minimum 2x truss.

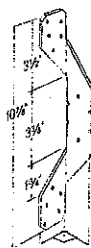
Nailing into both sides of a single ply 2x truss may cause the wood to split.



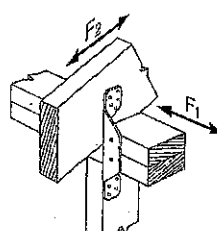
H1



H1 Installation



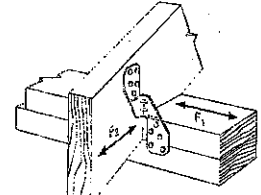
H2A



H2A Installation



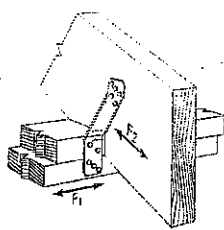
H2.5A



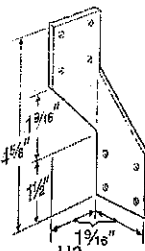
H2.5A Installation



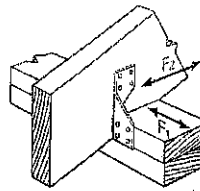
H2.5T



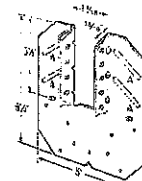
H2.5T Installation
(Nails into both top plates)



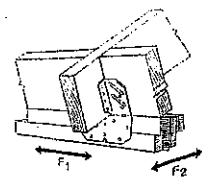
H3



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 ₀ =1.15)			(K ₀ =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

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TC – Truss Connectors



The TC truss connector is an ideal connector for scissor trusses and can allow horizontal movement up to 1¼". The TC also attaches plated trusses to top plates or sill plates to resist uplift forces. Typically used on one or both ends of truss as determined by the building designer.

Material: 16 gauge

Finish: G90 galvanized

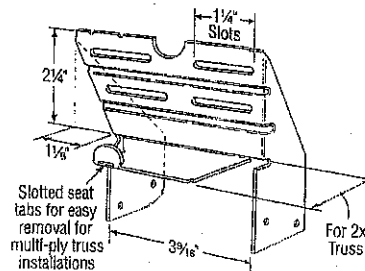
Design: Factored resistances are in accordance with CSA 086-14

Installation:

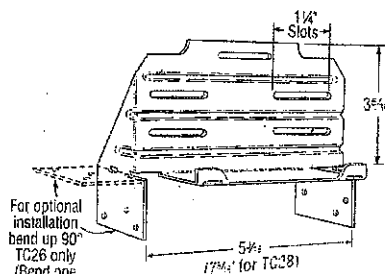
- Use all specified fasteners.
- Nails: 10d = 0.148" dia. x 3" long common wire, 10d x 1½" = 0.148" dia. x 1½" long.
- Drive 10d nails into the truss at the inside end of the slotted holes (inside end is towards the centre of the truss) and clinch on the back side. Do not seat these nails into the truss—allow room under the nail head for movement of the truss with respect to the wall.

Optional TC Installation:

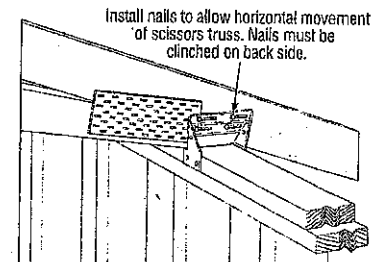
- Bend one flange up 90°. Drive specified nails into the top and face of the top plates or install Titen® screws into the top and face of masonry wall. See optional load tables and installation details.



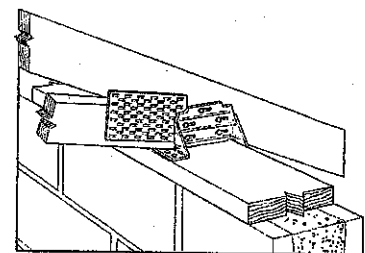
TC24
U.S. Patent 4,932,173



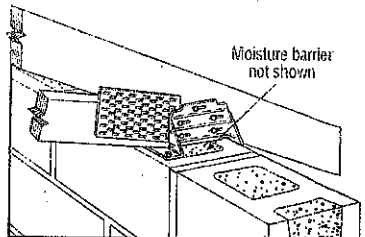
TC26
(TC28 Similar)



Typical TC24 Installation



Optional TC26 Installation for Grouted Concrete Block using a Wood Nailer (8", 10", 12" Wall Installation Similar)



Optional TC26 Installation for Grouted Concrete Block using Titen Screws

Model No.	Fasteners		Factored Resistance	
	Truss	Wall Plates	D.Fir-L	S-P-F
			Uplift (K ₀ =1.15)	Uplift (K ₀ =1.15)
TC24	(4) 10d	(4) 10d	605	430
TC26	(5) 10d	(6) 10d	1015	720
TC28	(5) 10d	(6) 10d	1015	720

Optional TC Installation Table

Model No.	Fasteners		Factored Resistance	
	Truss	Wall Plates	D.Fir-L	S-P-F
			Uplift (K ₀ =1.15)	Uplift (K ₀ =1.15)
TC26	(5) 10d	(6) 10d x 1½"	810	660
	(5) 10d	(6) 10d	930	660

1. Factored resistances have been increased 15% for earthquake or wind loading; no further increase allowed; reduce where other loads govern.
2. Grout strength is 15 MPa minimum.
3. Optional TC26 installation with 10d nails requires minimum 3" top plate thickness.
4. TC26 fastened to grouted concrete block with (6) – ¾" x 2¼" Titen screws has a factored uplift resistance of 275 lb.



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-SPECTC20 3/20 exp. 6/22

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TECHNICAL BULLETIN

HHUS – Double Shear Joist Hangers



All HHUS 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: 14 gauge

Finish: G90 galvanized

Design:

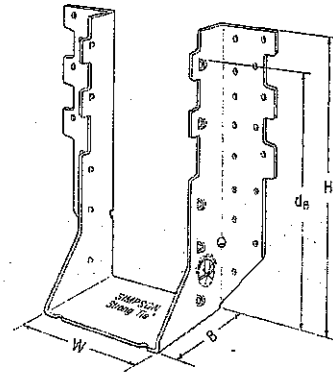
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

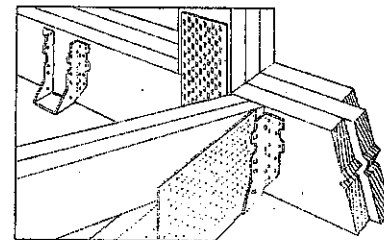
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

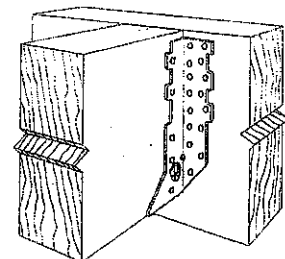
- See current catalogue for options



HHUS410



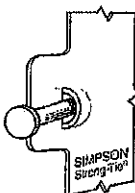
Typical HHUS Installation
(Truss Designer to provide fastener quantity for connecting multiple members together)



Typical HHUS Installation

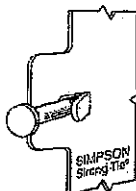
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d ₃ ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K ₀ =1.15)	Normal (K ₀ =1.00)	Uplift (K ₀ =1.15)	Normal (K ₀ =1.00)
HHUS26-2	14	3 5/16	5 13/16	3	3 15/16	(14) 16d	(6) 16d	2850	7335	2065	5205
HHUS28-2	14	3 5/16	7 1/2	3	6 5/32	(22) 16d	(8) 16d	3765	8940	2675	6345
HHUS210-2	14	3 5/16	9 3/32	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
HHUS210-3	14	4 1 1/16	9	3	7 1 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865
HHUS210-4	14	6 1/8	8 29/32	3	7 29/32	(30) 16d	(10) 16d	4670	10155	4235	7210
HHUS46	14	3 3/8	5 13/32	3	3 1 1/8	(14) 16d	(6) 16d	2540	7335	2065	5205
HHUS48	14	3 3/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345
HHUS410	14	3 3/8	9	3	8	(30) 16d	(10) 16d	4670	9855	4235	7000
HHUS5.50/10	14	5 1/2	9	3	8	(30) 16d	(10) 16d	4670	10155	4235	7210
HHUS7.25/10	14	7 1/4	9	3 5/16	7 29/32	(30) 16d	(10) 16d	4670	10155	3370	7210

1. d₃ is the distance from the seat of the hanger to the highest joist nail.

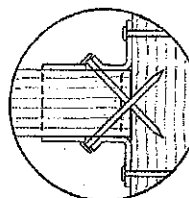


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,603,580



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



LIMIT STATES DESIGN

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ONTARIO WOOD TRUSS
FABRICATORS ASSOCIATION

TECH-NOTES

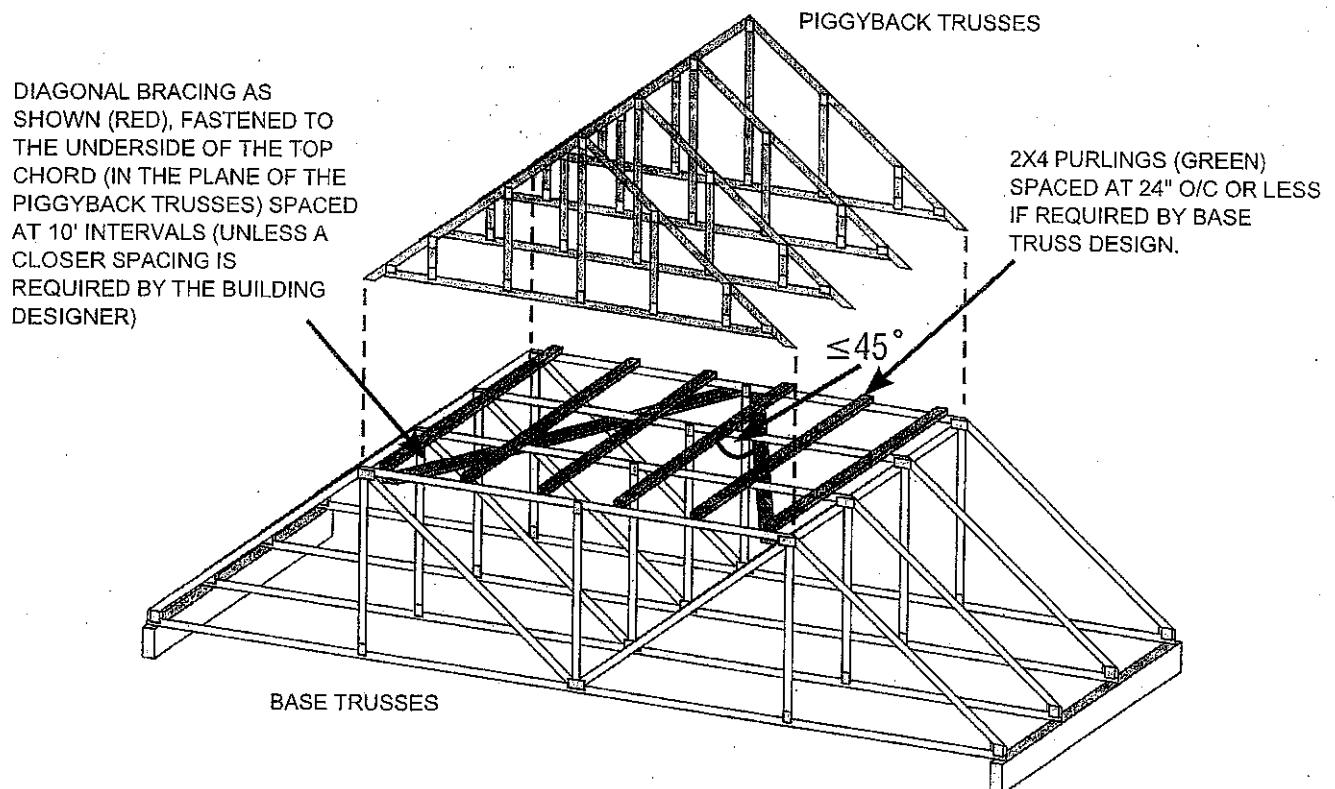
TN 15-001 Piggyback Bracing

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.

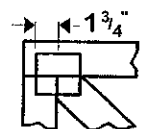
SKETCH FROM BCSI-CANADA 2013

Disclaimer:

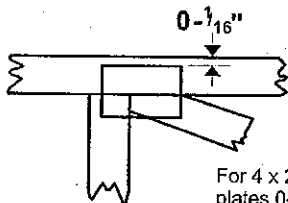
OWTFA Tech Notes are intended to provide guidance to the design community both within the membership as well as to third party designers who might benefit from the information. The details have been developed by the OWTFA technical committee and although there may be professional engineers involved in 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

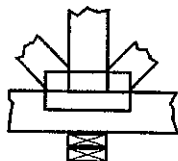
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

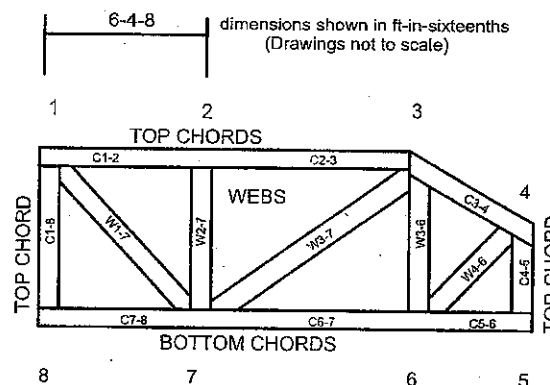
Industry Standards:

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, ESR1988
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.