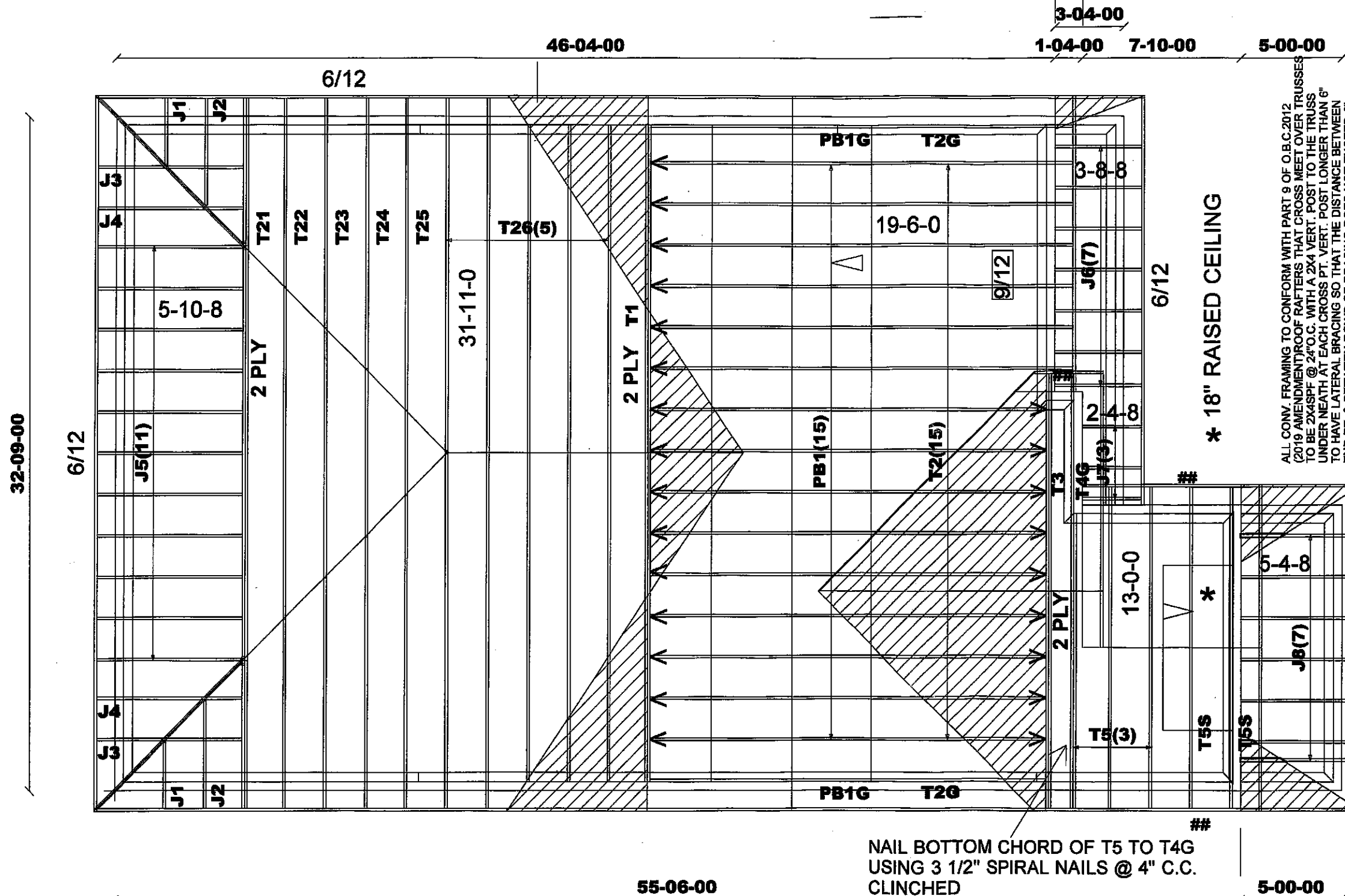




ASPHALT SHINGLES
12" FINISHED OH.
R.T.M.C.
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:
LJS26DS - (V)

DENOTES
CONV.
FRAMING

DESIGN CONFORMS
WITH O.B.C. 2012 PART 9
(2019 AMENDMENT)
DESIGN LOADS:
SNOW LOAD 25.6 PSF
TC DEAD 6 PSF
BC LIVE 0 PSF
BC DEAD 7.4 PSF

CITY OF HAMILTON
Building Division
Permit No. 20-187751

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH
THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW

These drawings and/or specifications have been reviewed by

FOR CHIEF BUILDING OFFICIAL DATE DEC. 14/20

M13111



Job Track: 51225
Plan Log: 202410
Layout ID: 408187

Builder / Location:
GREEN PARK HOMES / WATERDOWN

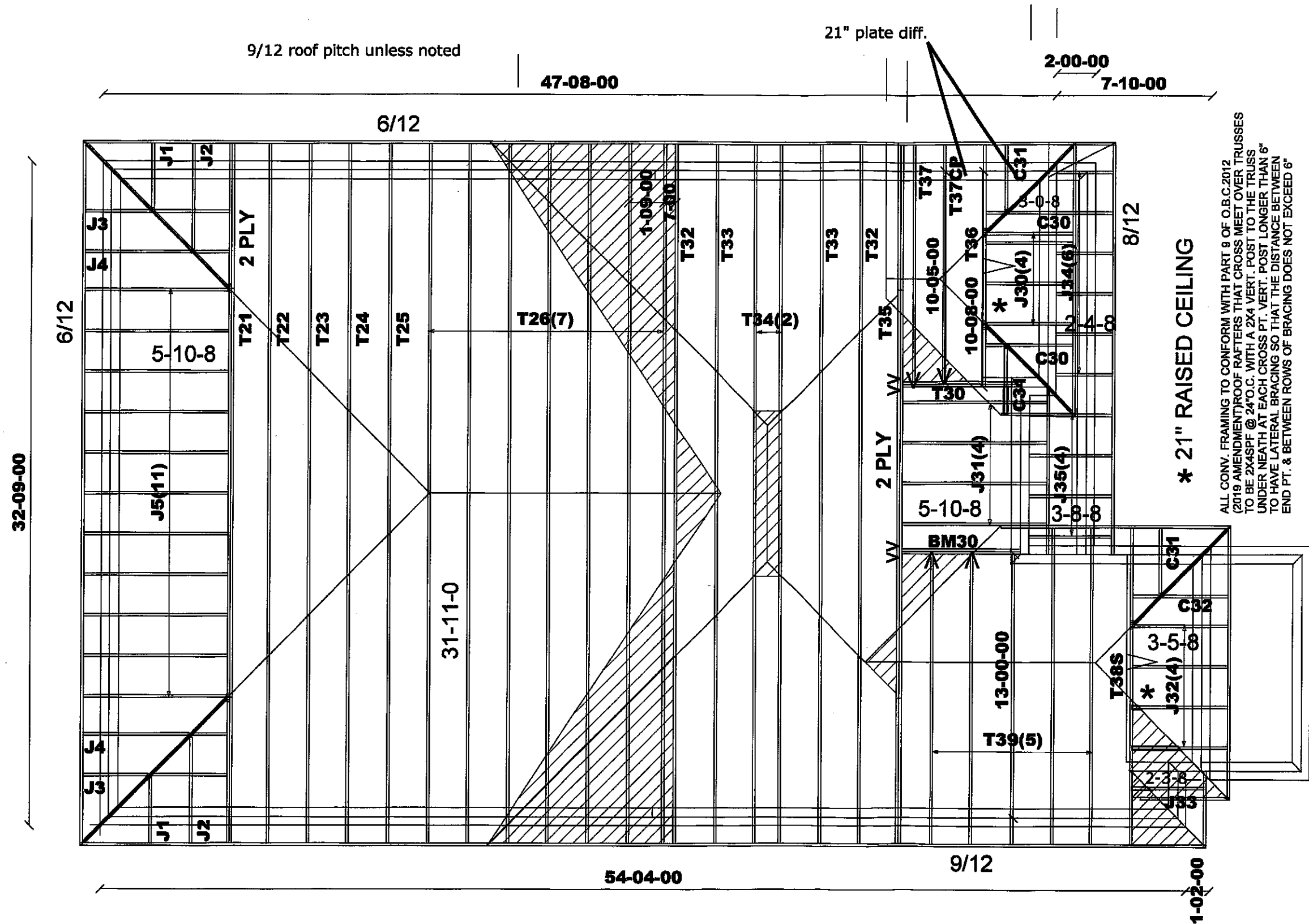
Project: RUSSELL GARDENS PH.3

Date: 2020-04-20 Sales: Mario DiCano

Designer: AC/JG

Model / Elevation:
VALLEYCREEK 5/1

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.



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

HARDWARE:
LUS24 - (O)
LJS26DS - (V)
LUS26-2 - (VV)

DENOTES
CONV.
FRAMING

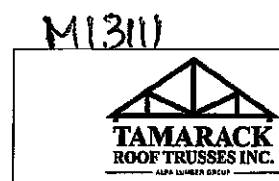
DESIGN CONFORMS
WITH O.B.C.2012 PART 9
(2019 AMENDMENT)
DESIGN LOADS:
SNOW LOAD 25.6 PSF
TC DEAD 6 PSF
BC LIVE 0 PSF
BC DEAD 7.4 PSF

BM30 = 2-2X10

Permit No. 20-187751

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE
THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH
THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW

For Chief Building Official
DATE DEC. 14/20

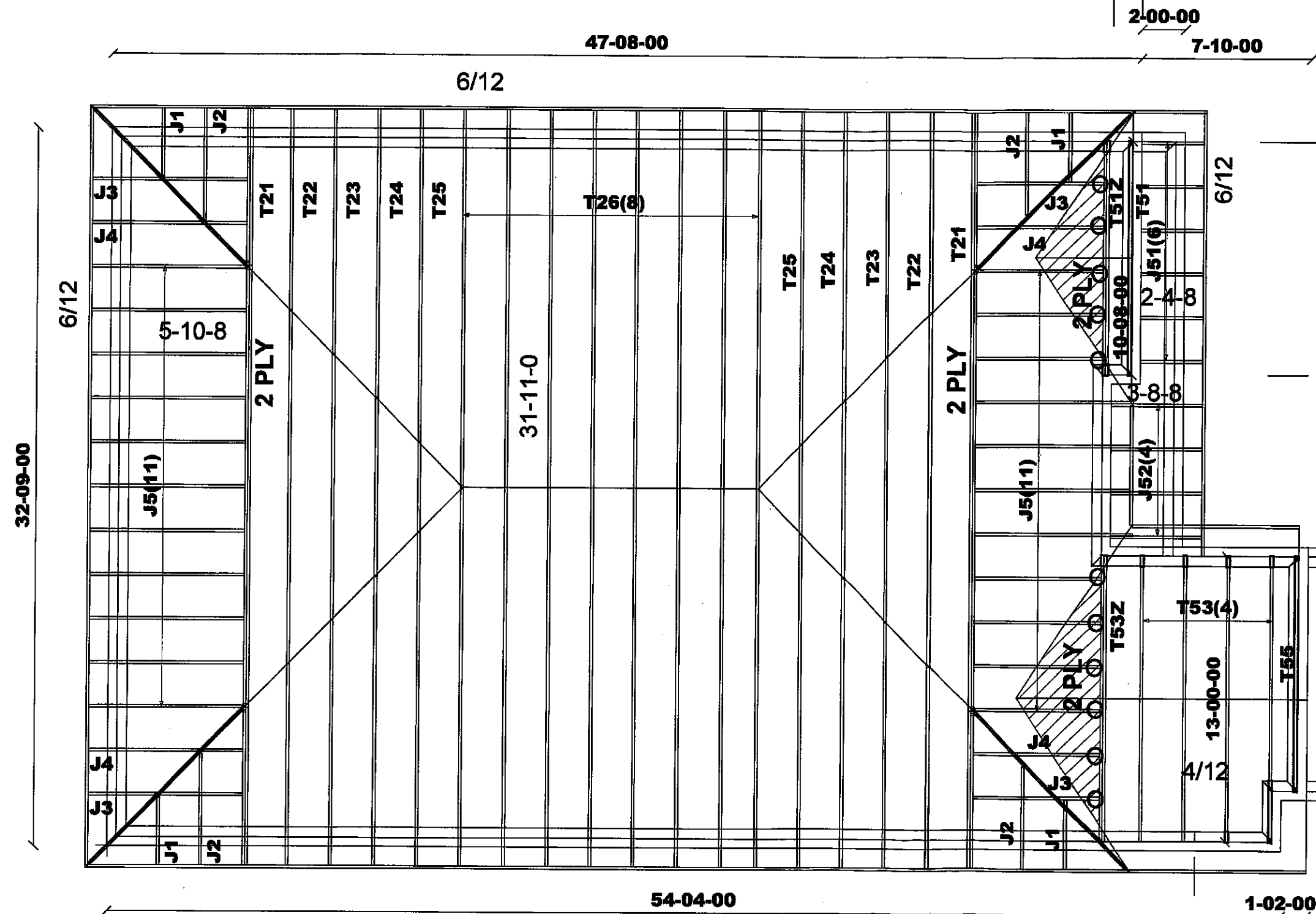


Job Track: 51225
Plan Log: 202410
Layout ID: 408188

Builder / Location:
GREEN PARK HOMES / WATERDOWN
Project: RUSSELL GARDENS PH.3
Date: 2020-04-20 Sales: Mario DiCano Designer: AC/IG

Model / Elevation:
VALLEYCREEK 5/2

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

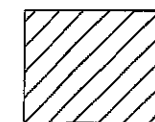


ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012 (2019 AMENDMENT) ROOF RAFTERS THAT CROSS MEET OVER TRUSSES TO BE 2X4SPF @ 24" O.C. WITH A 2X4 VERT. POST TO THE TRUSS UNDER NEATH AT EACH CROSS FT. VERT. POST LONGER THAN 6" TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6"

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

HARDWARE:
LUS24 - (O)

DENOTES
CONV.
FRAMING



DESIGN CONFORMS
WITH O.B.C.2012 PART 9
(2019 AMENDMENT)
DESIGN LOADS:
SNOW LOAD 25.6 PSF
TC DEAD 6 PSF
BC LIVE 0 PSF
BC DEAD 7.4 PSF

CITY OF HAMILTON
Building Division

Permit No. 20-187751

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE I

These drawings and/or specifications have been reviewed by

FOR CHIEF BUILDING OFFICIAL

M1311



Job Track: 51225
Plan Log: 202410
Layout ID: 408189

Builder / Location:
GREEN PARK HOMES / WATERDOWN

Project: RUSSELL GARDENS PH.3

Date: 2020-04-20 Sales: Mario DiCano

Model / Elevation:
VALLEYCREEK 5/3

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 8.3.1.215

DEC 14/20

DATE



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 5
 Lot #:
 Elevation: 1

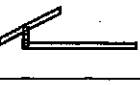
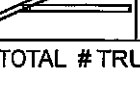
Job Track: 51225
 PlanLog: 202410
 Layout ID: 408187
 Ref #
 Page: 1 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFL	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Common Girder	6 /12	31-11-00	9-01-12	2 x 6		1-02-00 1-02-00	405.7 245.33		
	15	T2 Piggyback Base	9 /12	19-06-00	8-00-00	2 x 4		1-06-04 5-09-04	1466.59 940.00		
	2	T2G GABLE	9 /12	19-06-00	8-00-00	2 x 4	1-03-08	1-06-04 5-09-04	220.23 139.67		
	1 2-ply	T3 Common Girder	9 /12	18-06-00	9-11-08	2 x 4 2 x 6	1-03-08 1-03-08	3-00-04 3-00-04	218.98 135.33		
	1	T4G GABLE	9 /12	18-06-00	9-11-08	2 x 4	1-03-08 1-03-08	3-00-04 3-00-04	106.29 67.33		
	3	T5 Common	9 /12	13-00-00	7-10-12	2 x 4 2 x 6	1-03-08 1-03-08	3-00-04 3-00-04	226.28 142.00		
	2	T5S Roof Special	9 /12	13-00-00	7-10-12	2 x 4	1-03-08 1-03-08	3-00-04 3-00-04	147.33 94.67		
	1 2-ply	T21 Hip Girder	6 /12	31-11-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	285.1 176.00		
	2	T22 Hip	6 /12	31-11-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	259.03 161.67		
	2	T23 Hip	6 /12	31-11-00	6-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	258.25 161.33		
	2	T24 Hip	6 /12	31-11-00	7-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	271.21 168.33		
	2	T25 Hip	6 /12	31-11-00	8-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	262.57 165.00		
	5	T26 Hip	6 /12	31-11-00	9-01-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	646.18 404.17		
	15	PB1 Piggyback	9 /12	7-10-11	2-11-08	2 x 4			306.92 192.50		

 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	DELIVERY SHIPLIST	
	Lumber Yard: TAMARACK LUMBER Builder: GREEN PARK HOMES Project: RUSSELL GARDENS PH.3 Location: WATERDOWN Model: VALLEYCREEK 5 Lot #: Elevation: 1	Job Track: 51225 PlanLog: 202410 Layout ID: 408187 Ref # Page: 2 of 2 Date: 04-20-2020 Designer: Andrew Conway Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2	PB1G GABLE	9/12	7-10-11	2-11-08	2 x 4			43.38 27.67		
	2	J1 Jack-Open	6/12	1-10-15	2-01-08	2 x 4	1-03-08 1-01	1-02-00 2-01-08	14.65 9.33		
	2	J2 Jack-Open	6/12	2-00-00	3-01-08	2 x 4	1-03-08 1-10-15	1-02-00 2-02-00	19.75 12.00		
	2	J3 Jack-Open	6/12	1-10-15	2-01-08	2 x 4	1-03-08 3-11-09	1-02-00 2-01-08	23.48 14.67		
	2	J4 Jack-Open	6/12	3-10-15	3-01-08	2 x 4	1-03-08 1-11-09	1-02-00 3-01-08	28.58 17.33		
	11	J5 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	184.74 117.33		
	7	J6 Jack-Open	6/12	3-08-08	2-09-15	2 x 4	1-03-08	4-03 1-09-11	80.04 51.33		
	3	J7 Jack-Open	6/12	2-04-08	2-01-15	2 x 4	1-03-08	4-03 1-01-11	24.64 18.00		
	7	J8 Jack-Open	5/12	5-04-08	3-01-02	2 x 4	1-03-08	4-01 2-02-15	101.52 65.33		

TOTAL # TRUSS= 95

TOTAL BFT OF ALL TRUSSES= 3526.32

BFT.

TOTAL WEIGHT OF ALL TRSSES 5601.45 LBS

HARDWARE

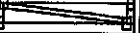
QTY	TYPE	MODEL	LENGTH
24	Hardware	LJS26DS	

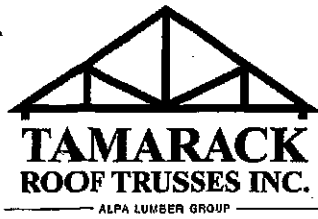
TOTAL NUMBER OF
ITEMS=

24

 TAMARACK ROOF TRUSSES INC. ALPHA LUMBER GROUP	DELIVERY SHIPLIST				Lumber Yard: TAMARACK LUMBER Builder: GREEN PARK HOMES Project: RUSSELL GARDENS PH.3 Location: WATERDOWN Model: VALLEYCREEK 5 Lot #: Elevation: 2		Job Track: 51225 PlanLog: 202410 Layout ID: 408188 Ref # Page: 1 of 3 Date: 04-20-2020 Designer: Andrew Conway Sales Rep: Mario DiCano	

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T21 Hip Girder	6 /12	31-11-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	285.1 176.00		
	1	T22 Hip	6 /12	31-11-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	129.52 80.83		
	1	T23 Hip	6 /12	31-11-00	6-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	129.12 80.67		
	1	T24 Hip	6 /12	31-11-00	7-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	135.61 84.17		
	1	T25 Hip	6 /12	31-11-00	8-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	131.28 82.50		
	7	T26 Hip	6 /12	31-11-00	9-01-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	904.65 565.83		
	1 2-ply	T30 Flat Girder	0 /12	5-10-08	1-09-00	2 x 6		1-09-00 1-09-00	54.63 32.67		
	2	T32 Hip	9 /12	31-11-00	7-05-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	296.23 185.67		
	2	T33 Hip	9 /12	31-11-00	8-11-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	309.9 195.67		
	2	T34 Hip	9 /12	31-11-00	10-05-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	330.99 204.67		
	1 2-ply	T35 Hip Girder	9 /12	31-11-00	5-11-02	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	315.75 200.67		
	1	T36 Hip Girder	9 /12	10-08-00	3-09-10	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	49.02 32.33		
	1	T37 Common	9 /12	10-05-00	7-01-00	2 x 4	1-03-08 1-03-08	3-01-00 3-03-04	51.41 32.83		
	1	T37CP Hip	9 /12	10-05-00	6-10-06	2 x 4	1-03-08 1-03-08	3-01-00 3-03-04	53.15 34.00		



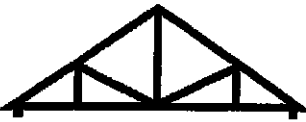
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 5
 Lot #:
 Elevation: 2

Job Track: 51225
 PlanLog: 202410
 Layout ID: 408188
 Ref #
 Page: 2 of 3
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T38S Hip Girder	9/12	13-00-00	5-10-06	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	61.69 41.50		
	5	T39 Common	9/12	13-00-00	7-03-04	2 x 4	1-03-08 1-03-08	1-06-04 3-03-04	302.69 192.50		
	2	J1 Jack-Open	6/12	1-10-15	2-01-08	2 x 4	1-03-08 1-01	1-02-00 2-01-08	14.65 9.33		
	2	J2 Jack-Open	6/12	2-00-00	3-01-08	2 x 4	1-03-08 1-10-15	1-02-00 2-02-00	19.75 12.00		
	2	J3 Jack-Open	6/12	1-10-15	2-01-08	2 x 4	1-03-08 3-11-09	1-02-00 2-01-08	23.48 14.67		
	2	J4 Jack-Open	6/12	3-10-15	3-01-08	2 x 4	1-03-08 1-11-09	1-02-00 3-01-08	28.58 17.33		
	11	J5 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	184.74 117.33		
	4	J30 Jack-Open	9/12	3-00-08	3-09-10	2 x 4	1-03-08	1-06-04 3-09-10	51.64 38.00		
	4	J31 Jack-Open	9/12	5-10-08	5-11-02	2 x 4	1-03-08	1-06-04 5-11-02	80.72 54.00		
	4	J32 Jack-Open	9/12	3-05-08	4-01-06	2 x 4	1-03-08	1-06-04 4-01-06	55.92 40.87		
	1	J33 Jack-Open	9/12	2-03-08	3-02-14	2 x 4	1-03-08	1-06-04 3-02-14	10.86 8.17		
	6	J34 Jack-Open	8/12	2-04-08	2-09-09	2 x 4	1-03-08	4-07 1-05-02	50.72 36.00		
	4	J35 Jack-Open	8/12	3-08-08	3-08-03	2 x 4	1-03-08	4-07 2-03-13	47.21 32.00		
	2	C30 Jack-Open	9/12	1-10-15	2-11-07	2 x 4	1-03-08 1-01-09	1-06-04 2-11-07	21.81 16.67		

 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP		DELIVERY SHIPLIST			
		Lumber Yard: TAMARACK LUMBER Builder: GREEN PARK HOMES Project: RUSSELL GARDENS PH.3 Location: WATERDOWN Model: VALLEYCREEK 5 Lot #: Elevation: 2		Job Track: 51225 PlanLog: 202410 Layout ID: 408188 Ref # Page: 3 of 3 Date: 04-20-2020 Designer: Andrew Conway Sales Rep: Mario DiCano	

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	3	C31 Jack-Open	9 /12	1-10-15	2-11-07	2 x 4	1-03-08 1-01	1-06-04 2-11-07	29.15 21.00		
	1	C32 Jack-Open	9 /12	1-10-15	2-11-07	2 x 4	1-03-08 1-06-09	1-06-04 2-11-07	11.38 8.33		

TOTAL # TRUSS= 80 TOTAL BFT OF ALL TRUSSES= 2648.01 BFT. TOTAL WEIGHT OF ALL TRSSES 4171.25 LBS

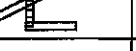
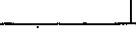
HARDWARE

QTY	TYPE	MODEL	LENGTH
4	Hardware	LJS26DS	
2	Hardware	LUS26-2	

TOTAL NUMBER OF
ITEMS= 6

 TAMARACK ROOF TRUSSES INC. ALPA LUMBER GROUP	DELIVERY SHIPLIST							
	Lumber Yard: TAMARACK LUMBER						Job Track: 51225	
	Builder: GREEN PARK HOMES						PlanLog: 202410	
	Project: RUSSELL GARDENS PH.3						Layout ID: 408189	
	Location: WATERDOWN						Ref #	
	Model: VALLEYCREEK 5						Page: 1 of 2	
Lot #:						Date: 04-20-2020		
Elevation: 3						Designer: Andrew Conway		
						Sales Rep: Mario DiCano		

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2 2-ply	T21 Hip Girder	6 /12	31-11-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	570.2 352.00		
	2	T22 Hip	6 /12	31-11-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	259.03 161.67		
	2	T23 Hip	6 /12	31-11-00	6-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	258.25 161.33		
	2	T24 Hip	6 /12	31-11-00	7-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	271.21 168.33		
	2	T25 Hip	6 /12	31-11-00	8-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	262.57 165.00		
	8	T26 Hip	6 /12	31-11-00	9-01-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	1033.89 646.67		
	1	T51 Common	4 /12	10-08-00	2-08-08	2 x 4		11-03 11-03	35.98 23.17		
	1 2-ply	T51Z Common Girder	4 /12	10-08-00	2-08-08	2 x 4		11-03 11-03	71.96 46.33		
	4	T53 Common	4 /12	13-00-00	3-01-03	2 x 4		11-03 11-03	181.41 117.33		
	1 2-ply	T53Z Common Girder	4 /12	13-00-00	3-01-03	2 x 4		11-03 11-03	90.7 58.67		
	1	T55 Common	4 /12	10-08-00	3-01-03	2 x 4		11-03 1-08-08	37.95 24.83		
	4	J1 Jack-Open	6 /12	1-04-07	1-10-04	2 x 4	1-03-08 6-01	1-02-00 1-10-04	25.96 18.67		
	4	J2 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	38.28 24.00		
	4	J3 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	46.33 29.33		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 5
 Lot #:
 Elevation: 3

Job Track: 51225
 PlanLog: 202410
 Layout ID: 408189
 Ref #
 Page: 2 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	4	J4 Jack-Open	6 /12	3-10-15	3-01-08	2 x 4	1-03-08 1-11-09	1-02-00 3-01-08	57.17 34.67		
	22	J5 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	389.48 234.67		
	6	J51 GABLE	6 /12	2-04-08	2-01-15	2 x 4	1-03-08	4-03 1-01-11	46.29 32.00		
	4	J52 Jack-Open	6 /12	3-08-08	2-09-15	2 x 4	1-03-08	4-03 1-09-11	43.08 26.67		

TOTAL # TRUSS= 78

TOTAL BFT OF ALL TRUSSES= 2325.34 BFT.

TOTAL WEIGHT OF ALL TRSSES 3698.75 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
11	Hardware	LUS24	

TOTAL NUMBER OF
ITEMS=

11

JOB NAME 408187	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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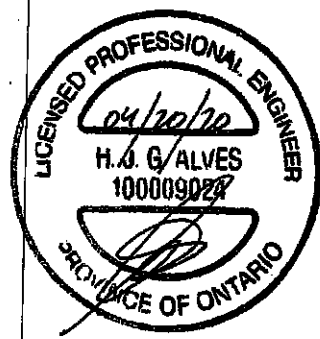
Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Fri Apr 17 08:17:44 2020 Page 2
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FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
W	5-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
X	7-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
Y	9-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
Z	13-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AA	17-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AB	21-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AC	23-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AD	25-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AE	27-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1
AF	29-10-4	-1056	-1056	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

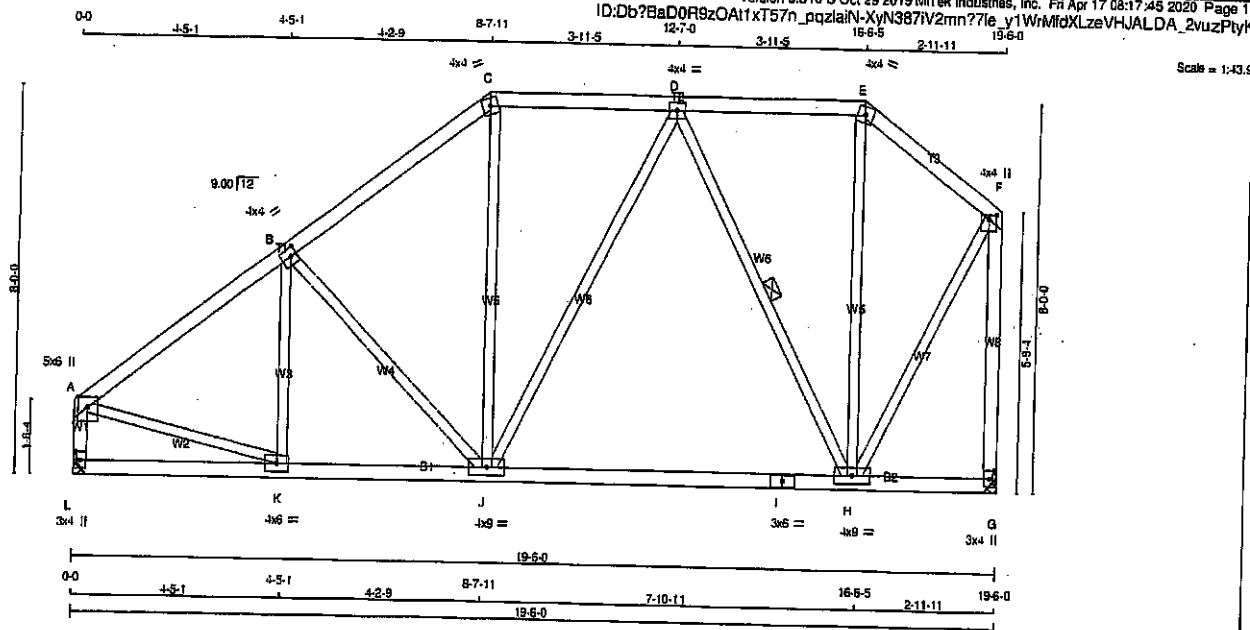
- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
 DWG# T-2006424

72

JOB NAME 408187	TRUSS NAME T2	QUANTITY 15	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge
B	TMVW-l	MT20	4.0	4.0	2.00 1.50
C	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	1.00 2.00
G	BMV1-p	MT20	3.0	4.0	
H	BMVWW-l	MT20	4.0	9.0	
I	BS-l	MT20	3.0	6.0	
J	BMVWW-l	MT20	4.0	9.0	
K	BMVW-l	MT20	4.0	6.0	
L	BMV1-p	MT20	3.0	4.0	

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UP
L	1075	0	0	0
G	1075	0	0	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
L	750	499.0	0.0	0.0	0.0	261.0	0.0	
G	750	499.0	0.0	0.0	0.0	261.0	0.0	

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.67 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSF (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSF (LC)
FR-TO		FROM TO			FR-TO		
A-B	-1052.0	-91.8 -91.8	0.23 (1)	5.87	K-B	-182.5	0.06 (1)
B-C	-879.0	-91.8 -91.8	0.23 (1)	6.25	B-J	-268.0	0.18 (1)
C-D	-682.0	-91.8 -91.8	0.18 (1)	6.25	J-C	0/226	0.05 (1)
D-E	-389.0	-91.8 -91.8	0.18 (1)	6.25	J-D	0/102	0.03 (4)
E-F	-463.0	-91.8 -91.8	0.11 (1)	6.25	D-H	-598.0	0.30 (1)
L-A	-1038.0	0.0 0.0	0.11 (1)	7.71	H-E	0/50	0.02 (4)
G-F	-1070.0	0.0 0.0	0.71 (1)	7.62	A-K	0/895	0.20 (1)
					H-F	0/751	0.17 (1)
L-K	0/0	-18.5 -18.5	0.08 (4)	10.00			
K-J	0/864	-18.5 -18.5	0.24 (4)	10.00			
J-I	0/636	-18.5 -18.5	0.23 (4)	10.00			
I-H	0/636	-18.5 -18.5	0.23 (4)	10.00			
H-G	0/0	-18.5 -18.5	0.18 (4)	10.00			

TOTAL WEIGHT = 15 X 98 = 1487 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

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIG 2011, 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) = $L/360$ (0.65")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.65")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CSF: TC=0.71/1.00 (FG:1), BC=0.24/1.00 (J-K:4), WB=0.30/1.00 (D-H:1), SS=0.17/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

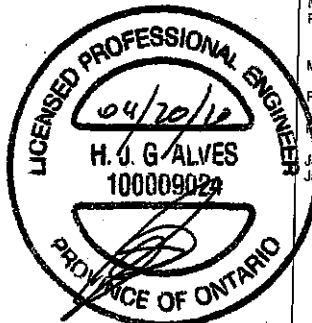
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1667 788	1997 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

J-I GRIP=0.85 (H) (INPUT = 0.90)
J-I METAL=0.41 (A) (INPUT = 1.00)

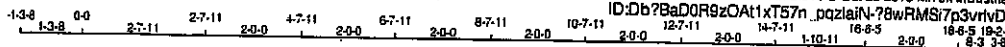


Structural component only
DWG# T-2008425

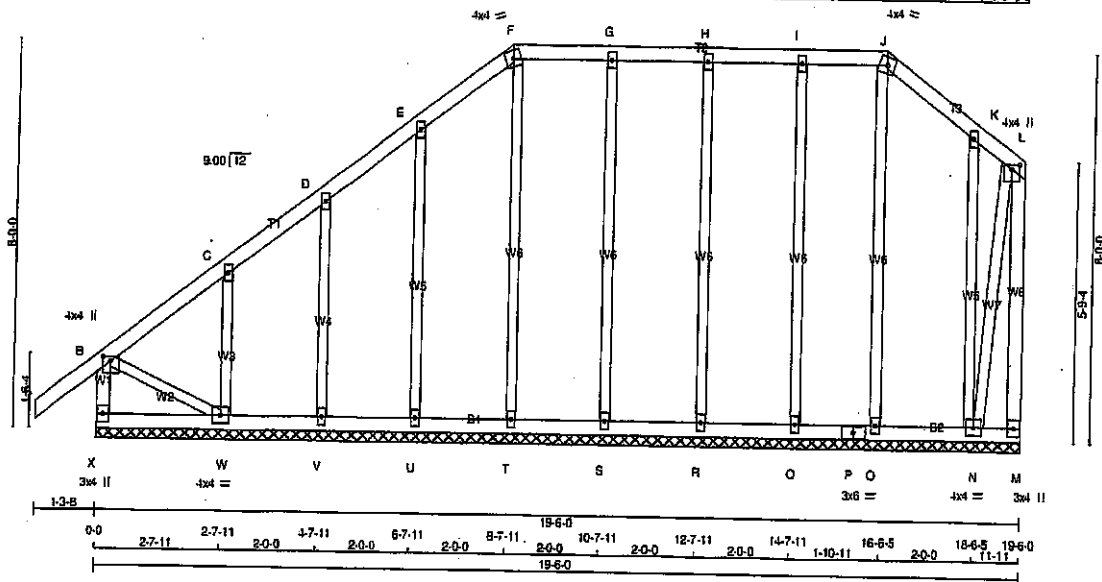
Tamareck Roof Truss, Burlington

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



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
X - B	2x4	DRY No.2
A - F	2x4	DRY No.2
F - J	2x4	DRY No.2
M - L	2x4	DRY No.2
X - P	2x4	DRY No.2
P - M	2x4	DRY No.2

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

GABLE STUDS SPACED AT 2'-0" O.C.

PLATES (Table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, G, H, I, K					
C TMVW+w	MT20	2.0	4.0		
F TTW-m	MT20	4.0	4.0		
J TTW-m	MT20	4.0	4.0		
L TMVW+p	MT20	4.0	4.0	1.00	2.00
M BMV1+p	MT20	3.0	4.0		
N BMVW1-t	MT20	4.0	4.0		
O, Q, R, S, T, U, V					
O BMV1+w	MT20	2.0	4.0		
P BS-t	MT20	3.0	6.0		
W BMVW1-t	MT20	4.0	4.0		
X BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED FROM TO	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO		
X-B	-247.0	0.0	0.0 0.03 (1)	7.81	T-F	-147.0	0.18 (1)
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	O-J	-139.0	0.17 (1)
B-C	-8.0	-91.8	-91.8 0.08 (1)	10.00	S-W	0.19	0.00 (1)
C-D	-24.0	-91.8	-91.8 0.08 (1)	6.25	W-C	-249.0	0.05 (1)
D-E	-5.0	-91.8	-91.8 0.05 (1)	10.00	V-D	-156.0	0.08 (1)
E-F	-17.0	-91.8	-91.8 0.05 (1)	6.25	U-E	-207.0	0.15 (1)
F-G	-3.0	-91.8	-91.8 0.05 (1)	10.00	N-K	-178.0	0.13 (1)
G-H	-3.0	-91.8	-91.8 0.05 (1)	10.00	N-L	0.9	0.00 (1)
H-I	-3.0	-91.8	-91.8 0.04 (1)	10.00	S-G	-211.0	0.26 (1)
I-J	-3.0	-91.8	-91.8 0.04 (1)	6.25	R-H	-178.0	0.22 (1)
J-K	-14.0	-91.8	-91.8 0.05 (1)	10.00	Q-I	-192.0	0.23 (1)
K-L	0.14	-91.8	-91.8 0.04 (1)	10.00			
M-L	-30.0	0.0	0.0 0.02 (1)	7.81			
X-W	0.0	-18.5	-18.5 0.03 (4)	10.00			
W-V	0.11	-18.5	-18.5 0.03 (4)	10.00			
V-U	0.8	-18.5	-18.5 0.02 (4)	10.00			
U-T	0.5	-18.5	-18.5 0.02 (4)	10.00			
T-S	0.3	-18.5	-18.5 0.01 (4)	10.00			
S-R	0.3	-18.5	-18.5 0.02 (4)	10.00			
R-Q	0.3	-18.5	-18.5 0.02 (4)	10.00			
Q-P	0.3	-18.5	-18.5 0.01 (4)	10.00			
P-O	0.3	-18.5	-18.5 0.01 (4)	10.00			
O-N	0.5	-18.5	-18.5 0.01 (4)	10.00			
N-M	0.0	-18.5	-18.5 0.01 (4)	10.00			

TOTAL WEIGHT = 2 X 110 = 220 lb (M)

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 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.03/1.00 (V-W:4), WB=0.26/1.00 (G-S:1), SS=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

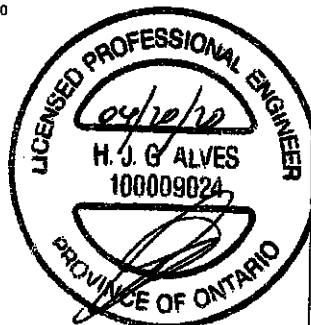
NAIL VALUES

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

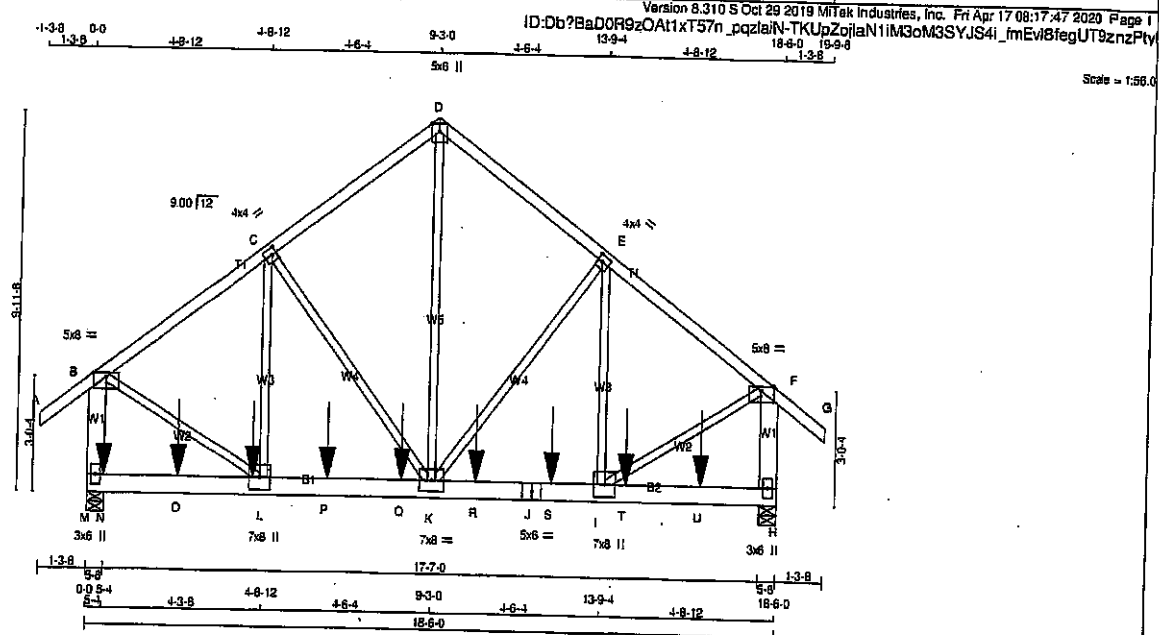
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (JI INPUT = 0.80)
JSI METAL= 0.13 (CI INPUT = 1.00)



JOB NAME 408187	TRUSS NAME T3	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
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	2x3	DRY	No.2
EXCEPT			SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - D	12	TOP
D - G	12	TOP
M - B	12	SIDE(154.9)
H - F	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M - J	12	SIDE(183.1)
J - H	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
C - L	6	SIDE(92.5)
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 TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW-p	MT20	5.0	8.0	Edge
C TMVW-w	MT20	4.0	4.0	2.00 1.50
D TTW+p	MT20	5.0	8.0	Edge
E TMVW-w	MT20	4.0	4.0	2.00 1.50
F TMVW-p	MT20	5.0	8.0	Edge
H BMV1+p	MT20	3.0	6.0	
I BMVW-w	MT20	7.0	8.0	
J BS-1	MT20	5.0	6.0	
K BMVW-w	MT20	7.0	8.0	
L BMVW-w	MT20	7.0	8.0	
M BMV1+p	MT20	3.0	6.0	

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

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

FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	GROSS REACTION	JT	GROSS REACTION	JT	BRG	JT	BRG
M	6306 0	M	6306 0	M	5-8	M	5-8
H	5500 0	H	5500 0	H	5-8	H	5-8

UNFACTORED REACTIONS		MAX./MIN. COMPONENT REACTIONS	
JT	COMBINED	JT	COMBINED
M	4449 2978 0	M	4449 2978 0
H	3880 2800 0	H	3880 2800 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		FR-TO		FROM TO	
A-B	0 / 38	-91.8	-91.8 0.07 (1)	10.00	K-D	0 / 4104	0.51 (1)
B-C	-4464 / 0	-91.8	-91.8 0.27 (1)	4.33	K-E	-1029 / 0	0.60 (1)
C-D	-3719 / 0	-91.8	-91.8 0.23 (1)	4.70	L-E	0 / 777	0.10 (1)
D-E	-3719 / 0	-91.8	-91.8 0.23 (1)	4.70	C-K	-1075 / 0	0.62 (1)
E-F	-4430 / 0	-91.8	-91.8 0.27 (1)	4.35	L-C	0 / 835	0.10 (1)
F-G	0 / 38	-91.8	-91.8 0.07 (1)	10.00	B-L	0 / 4101	0.51 (1)
M-B	-4977 / 0	0.0	0.0 0.27 (1)	6.52	I-F	0 / 4070	0.50 (1)
H-F	-4941 / 0	0.0	0.0 0.27 (1)	6.53			
M-N	0 / 0	-18.5	-18.5 0.39 (1)	10.00			
N-O	0 / 0	-18.5	-18.5 0.39 (1)	10.00			
O-L	0 / 0	-18.5	-18.5 0.39 (1)	10.00			
L-P	0 / 3591	-18.5	-18.5 0.57 (1)	10.00			
P-Q	0 / 3591	-18.5	-18.5 0.57 (1)	10.00			
Q-K	0 / 3591	-18.5	-18.5 0.57 (1)	10.00			
K-R	0 / 3564	-18.5	-18.5 0.83 (1)	10.00			
R-J	0 / 3564	-18.5	-18.5 0.83 (1)	10.00			
J-S	0 / 3564	-18.5	-18.5 0.83 (1)	10.00			
S-I	0 / 3564	-18.5	-18.5 0.83 (1)	10.00			
I-T	0 / 0	-18.5	-18.5 0.41 (1)	10.00			
T-U	0 / 0	-18.5	-18.5 0.41 (1)	10.00			
U-H	0 / 0	-18.5	-18.5 0.41 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR.	
JT	LOC.	JT	LOC.	JT	LOC.
L	4-5-4	-1056	-1056	FRONT	VERT
N	5-4	-1062	-1062	FRONT	VERT
O	2-5-4	-1056	-1056	FRONT	VERT
P	8-5-4	-1056	-1056	FRONT	VERT
Q	8-5-4	-1056	-1056	FRONT	VERT
R	10-5-4	-1056	-1056	FRONT	VERT
S	12-5-4	-1056	-1056	FRONT	VERT
T	14-5-4	-1056	-1056	FRONT	VERT
U	16-5-4	-1056	-1056	FRONT	VERT

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

TOTAL WEIGHT = 2 X 109 = 218 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 = 36.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CS1: TD=0.27/1.00 (B-C:1), BC=0.63/1.00 (I-K:1),
WB=0.62/1.00 (C-K:1), SB=0.54/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

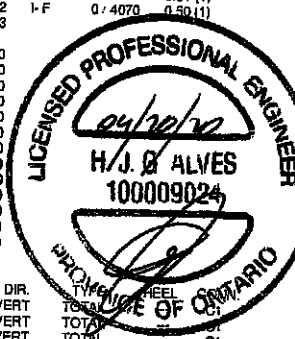
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1556

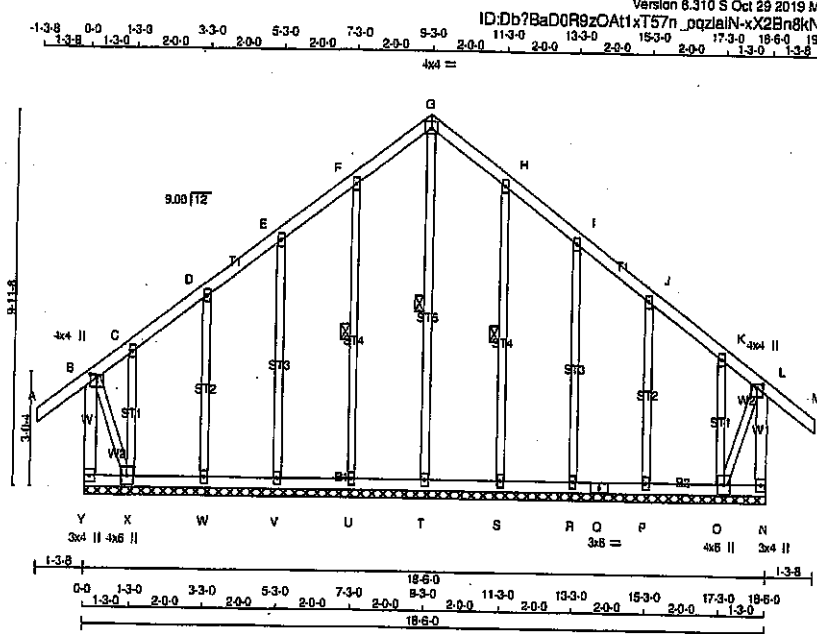
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (K) (INPUT = 0.90)
JSI METAL = 0.57 (J) (INPUT = 1.00)



JOB NAME 408187	TRUSS NAME T4G	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:17:49 2020 Page 1	



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - G	2x4	DRY	No.2
G - M	2x4	DRY	No.2
Y - B	2x4	DRY	No.2
N - L	2x4	DRY	No.2
Y - Q	2x4	DRY	No.2
Q - N	2x4	DRY	No.2

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

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, F, H, I, J, K	TMW+w	MT20	2.0	4.0		
G	TTW+p	MT20	4.0	4.0	2.25	2.00
L	TMVW+p	MT20	4.0	4.0	1.00	2.00
N	BMV1+p	MT20	3.0	4.0		
O	BMW1+i	MT20	4.0	6.0		
P, R, S, T, U, V, W	BMW1+w	MT20	2.0	4.0		
Q	BS-i	MT20	3.0	6.0		
X	BMW1+i	MT20	4.0	6.0		
Y	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

1 LATERAL BRACE(S) AT 1: 2 LENGTH OF G-T, F-U, H-S.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.
FR-TO		FROM TO		FR-TO			
A-B	0:38	-91.8 -91.8 0.12 (1)	10.00	T-G	-171:0	0.11 (1)	
B-C	-37:0	-91.8 -91.8 0.12 (1)	6.25	U-F	-210:0	0.10 (1)	
C-D	0:11	-91.8 -91.8 0.05 (1)	10.00	V-E	-174:0	0.14 (1)	
D-E	0:7	-91.8 -91.8 0.05 (1)	10.00	W-D	-195:0	0.09 (1)	
E-F	0:14	-91.8 -91.8 0.06 (1)	10.00	X-C	-68:0	0.02 (1)	
F-G	0:3	-91.8 -91.8 0.05 (1)	10.00	S-H	-210:0	0.10 (1)	
G-H	0:3	-91.8 -91.8 0.05 (1)	10.00	R-I	-174:0	0.14 (1)	
H-I	0:14	-91.8 -91.8 0.06 (1)	10.00	P-J	-195:0	0.09 (1)	
I-J	0:7	-91.8 -91.8 0.05 (1)	10.00	O-K	-68:0	0.02 (1)	
J-K	0:11	-91.8 -91.8 0.05 (1)	10.00	B-X	-4:0	0.00 (1)	
K-L	-37:0	-91.8 -91.8 0.12 (1)	6.25	O-L	-4:0	0.00 (1)	
L-M	0:38	-91.8 -91.8 0.12 (1)	10.00				
Y-B	-240:0	0.0 0.0 0.04 (1)	7.81				
N-L	-240:0	0.0 0.0 0.04 (1)	7.81				
Y-X	0:0	-18.5 -18.5 0.01 (4)	10.00				
X-W	0:0	-18.5 -18.5 0.02 (4)	10.00				
W-V	-7:0	-18.5 -18.5 0.02 (4)	10.00				
V-U	-9:0	-18.5 -18.5 0.01 (4)	10.00				
U-T	-11:0	-18.5 -18.5 0.01 (4)	6.25				
T-S	-11:0	-18.5 -18.5 0.01 (4)	6.25				
S-R	-9:0	-18.5 -18.5 0.01 (4)	10.00				
R-Q	-7:0	-18.5 -18.5 0.01 (4)	10.00				
Q-P	-7:0	-18.5 -18.5 0.02 (4)	10.00				
P-O	-3:0	-18.5 -18.5 0.02 (4)	10.00				
O-N	0:0	-18.5 -18.5 0.01 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN/OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

165 % 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

CSF: TC=0.12/1.00 (L-M:1), BC=0.02/1.00 (P-R:4), WB=0.14/1.00 (I-R:1), SI=0.08/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

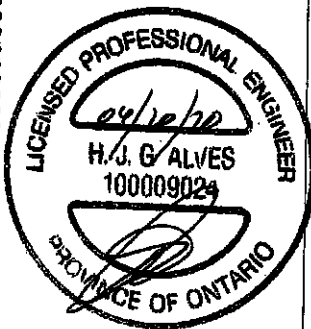
MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 768 1927 1656

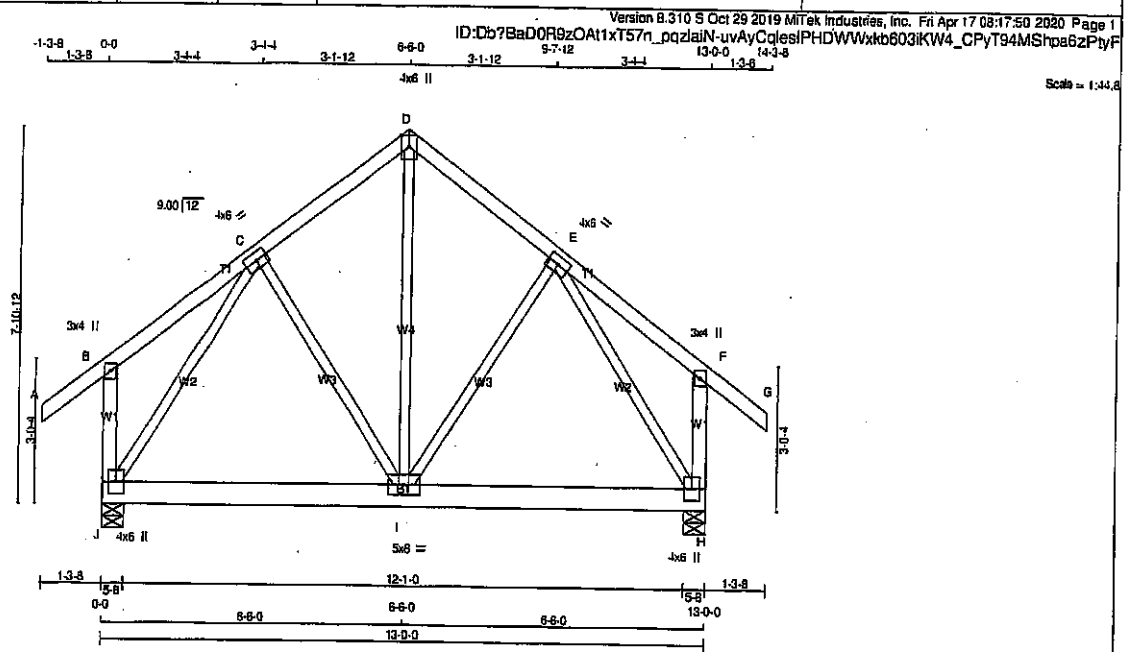
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.49 (L) (INPUT = 0.90)
JSI METAL= 0.11 (H) (INPUT = 1.00)



JOB NAME 408187	TRUSS NAME T5	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
J - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
J - H	2x5	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-1	MT20	4.0	6.0		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-1	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1+p	MT20	4.0	6.0		
I	BMVWW-1	MT20	5.0	8.0		
J	BMVW1+p	MT20	4.0	6.0		

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
J	1493	0	1493	0
H	1493	0	1493	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
J	1114	403.0	0.0	0.0	0.0	0.0
H	1114	403.0	0.0	0.0	0.0	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS 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	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)	W E B S	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO						FR-TO			
A-B	0.38	-91.8	-91.8	0.16 (1)	10.00	I-D	0.775	0.27 (4)	
B-C	0.19	-91.8	-91.8	0.16 (1)	10.00	I-E	0.207	0.08 (4)	
C-D	-858.0	-91.8	-91.8	0.19 (1)	6.25	C-I	0.207	0.08 (4)	
D-E	-858.0	-91.8	-91.8	0.19 (1)	6.25	J-C	-1134.0	0.70 (1)	
E-F	0.19	-91.8	-91.8	0.16 (1)	10.00	E-H	-1134.0	0.70 (1)	
F-G	0.38	-91.8	-91.8	0.16 (1)	10.00				
J-B	-245.0	0.0	0.0	0.04 (1)	7.81				
H-F	-245.0	0.0	0.0	0.04 (1)	7.81				
J-I	0.616	-118.5	-118.5	0.84 (4)	10.00				
I-H	0.616	-118.5	-118.5	0.84 (4)	10.00				

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. CC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.19/1.00 (C-D:1), BC=0.84/1.00 (I-J:4),
WB=0.70/1.00 (C-J:1), SS=0.55/1.00 (J-K:4)

DCL LUMBER=0.88 NAIL=0.88 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
MT20	618	354	1657

PLATE PLACEMENT TOL. = 0.250 inches

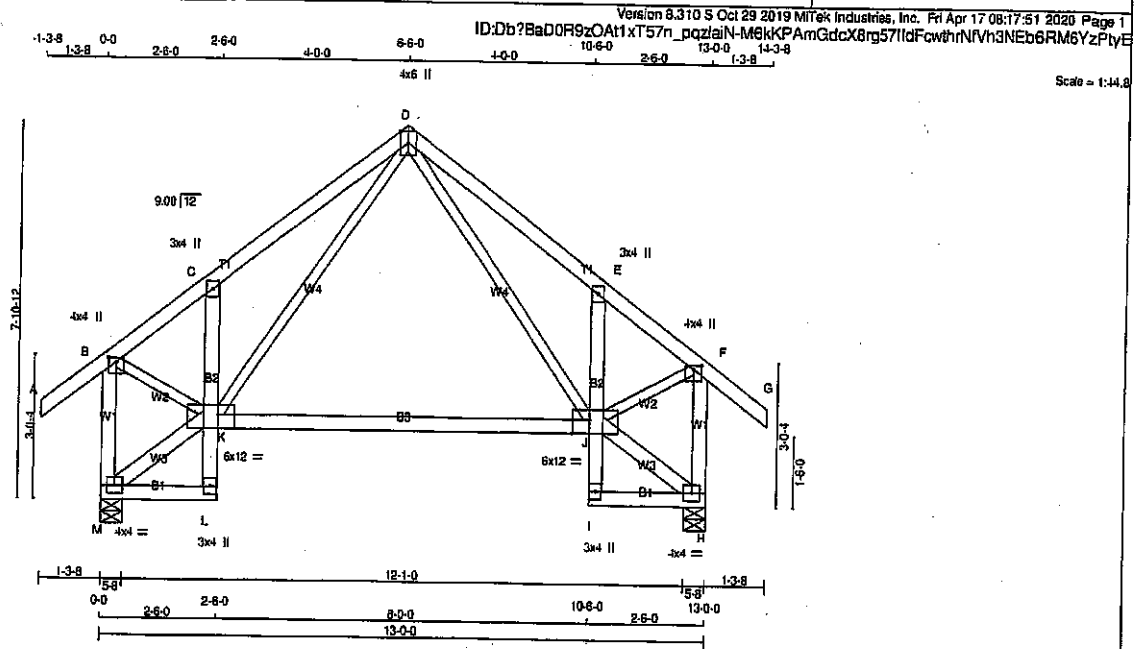
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (E) (INPUT = 0.80)
JSI METAL= 0.32 (H) (INPUT = 1.00)

Structural component only
DWG# T-2006429



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	T5S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



LUMBER

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

ALL WEBS	2x3	DRY	No.2
EXCEPT			
M - K	2x4	DRY	No.2
J - H	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	TTWV+p	MT20	4.0	6.0	Edge	
F	TMV+p	MT20	3.0	4.0		
H	BMVW+p	MT20	4.0	4.0	1.00	2.00
I	BMV+p	MT20	3.0	4.0		
J	BMVWVW-1	MT20	6.0	12.0	Edge	4.50
K	BMVWVW-1	MT20	6.0	12.0	Edge	4.50
L	BMV+p	MT20	3.0	4.0		
M	BMVW-1	MT20	4.0	4.0		

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
M	843	0	843	0
H	843	0	843	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE	WIND	DEAD	SOIL
M	594	403.0	0.0	0.0	0.0	191.0	0.0
H	594	403.0	0.0	0.0	0.0	191.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	0.288	0.06 (1)	
B-C	-608.0	-91.8	-91.8 0.15 (1)	6.25	0.288	0.06 (1)	
C-D	-855.0	-91.8	-91.8 0.19 (1)	6.25	0.288	0.06 (1)	
D-E	-855.0	-91.8	-91.8 0.19 (1)	6.25	0.288	0.06 (1)	
E-F	-808.0	-91.8	-91.8 0.15 (1)	6.25	0.288	0.06 (1)	
F-G	0.38	-91.8	-91.8 0.12 (1)	10.00	0.288	0.06 (1)	
G-H	-817.0	0.0	0.0 0.13 (1)	7.81	0.288	0.06 (1)	
H-F	-817.0	0.0	0.0 0.13 (1)	7.81	0.288	0.06 (1)	
M-L	0.7	-18.5	-18.5 0.03 (4)	10.00			
L-K	0.24	0.0	0.0 0.02 (1)	10.00			
K-C	-387.0	0.0	0.0 0.02 (1)	7.81			
K-J	0.358	-18.5	-18.5 0.40 (4)	10.00			
I-J	0.24	0.0	0.0 0.02 (1)	10.00			
J-E	-387.0	0.0	0.0 0.02 (1)	7.81			
I-H	0.7	-18.5	-18.5 0.03 (4)	10.00			

TOTAL WEIGHT = 2 X 74 = 147 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/678 (0.23")

CSI: TO=0.19/1.00 (C-D:1), BC=0.40/1.00 (J-K:4),
WB=0.13/1.00 (B-K:1), SS=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

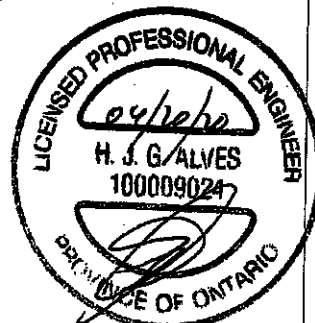
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1867 788 1987 1658	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

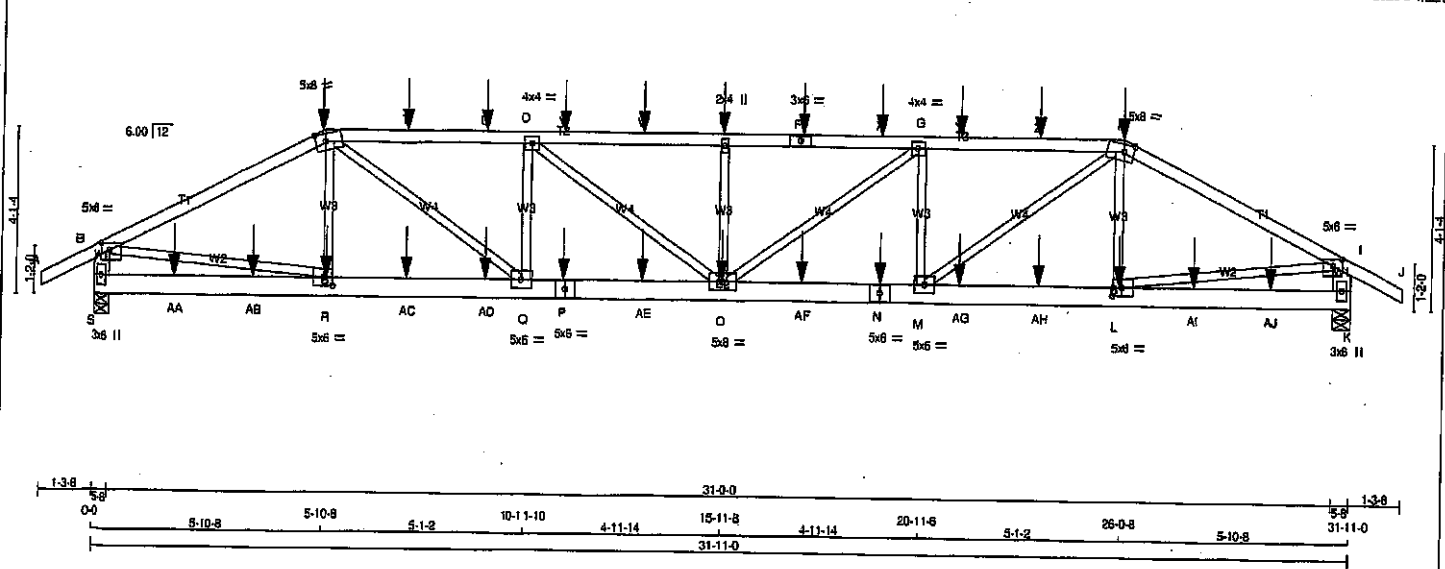
ISI GRIP= 0.74 (B) (INPUT = 0.90)
ISI METAL= 0.20 (F) (INPUT = 1.00)



Structural component only
DWG# T-2006430

JOB NAME 408187	TRUSS NAME T21	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:1ebEM4Ca92xn94Zv7jkFPizmBR3-qllcWnuOv7TqgKs78U97PnUn_yQRIngmAwf_zPtyD
31-11-0 53-2-6 13-8
Scale = 1:32.6



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				BEARINGS				UNFACTORED REACTIONS				DESIGN CRITERIA			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	RECORD	JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	SPECIFIED LOADS:	
A - C	2x4	DRY	No.2	SPF	JT	3048	0	3048	0	0	0	0	0	0	0	5-8	5-8	TOP CH. LL = 25.6 PSF	
C - F	2x4	DRY	No.2	SPF	S	2156	1416.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DL = 6.0 PSF	
F - H	2x4	DRY	No.2	SPF	K	2156	1415.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	BOT CH. LL = 0.0 PSF	
H - J	2x4	DRY	No.2	SPF														DL = 7.4 PSF	
S - B	2x6	DRY	No.2	SPF														TOTAL LOAD = 39.0 PSF	
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	2x3	DRY	No.2	SPF															
EXCEPT																			

DRY: SEASONED LUMBER.
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:
CHORDS #ROWS SURFACE SPACING (IN) LOAD(PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS
A-C 1 12 SIDE(61.0)
C-F 1 12 SIDE(61.0)
F-H 1 12 SIDE(61.0)
H-J 1 12 SIDE(61.0)
S-B 2 12 TOP
K-I 2 12 TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS
S-P 2 12 SIDE(183.1)
P-N 2 12 SIDE(183.1)
N-K 2 12 SIDE(183.1)
WEBS: (0.122"x3") SPIRAL NAILS
R-C 1 6 SIDE(0.5)
L-H 1 6 SIDE(0.5)
2x3 1 6
NAILS TO BE DRIVEN FROM ONE SIDE ONLY.
GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.
TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.
SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) S, K
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.40 FT.
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) VERT. LOAD (LBS) MAX. FACTORED (PLF) MAX. UNBRACED LENGTH (FT) MAX. FACTORED (LBS) MAX. UNBRACED LENGTH (FT)
FR-TO FROM TO
A-B 0.28 -91.8 -91.8 0.07 (1) 10.00 R-C -342/39 0.04 (1)
B-C -4588.0 -91.8 -91.8 0.48 (1) 4.07 C-Q 0.2360 0.29 (1)
C-T -5980.0 -91.8 -91.8 0.49 (1) 3.57 Q-D -1232/0 0.16 (1)
T-U -5980.0 -91.8 -91.8 0.49 (1) 3.57 D-O 0.679 0.08 (1)
U-D -5980.0 -91.8 -91.8 0.49 (1) 3.57 O-E -680.0 0.09 (1)
D-V -6524.0 -91.8 -91.8 0.52 (1) 3.40 O-G 0.683 0.08 (1)
V-W -6524.0 -91.8 -91.8 0.52 (1) 3.40 M-G -1232.0 0.16 (1)
W-E -6524.0 -91.8 -91.8 0.52 (1) 3.40 M-H 0.2360 0.29 (1)
E-F -6524.0 -91.8 -91.8 0.52 (1) 3.40 L-H -342/38 0.04 (1)
F-X -6524.0 -91.8 -91.8 0.52 (1) 3.40 B-R 0.4118 0.51 (1)
X-G -6524.0 -91.8 -91.8 0.52 (1) 3.40 L-I 0.4115 0.51 (1)
G-Y -5977.0 -91.8 -91.8 0.49 (1) 3.58
Y-Z -5977.0 -91.8 -91.8 0.49 (1) 3.58
Z-H -5977.0 -91.8 -91.8 0.49 (1) 3.58
H-I -4585.0 -91.8 -91.8 0.48 (1) 4.08
I-J 0.28 -91.8 -91.8 0.07 (1) 10.00
J-K -2971.0 0.0 0.0 0.10 (1) 7.81
K-L -2989.0 0.0 0.0 0.10 (1) 7.81

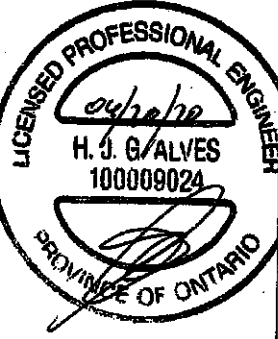
WEBS
MEMB. FORCE (LBS) MAX. FACTORED (LBS) MAX. UNBRACED LENGTH (FT) MAX. FACTORED (LBS) MAX. UNBRACED LENGTH (FT)
FR-TO FROM TO
A-B 0.28 -91.8 -91.8 0.07 (1) 10.00 R-C -342/39 0.04 (1)
B-C -4588.0 -91.8 -91.8 0.48 (1) 4.07 C-Q 0.2360 0.29 (1)
C-T -5980.0 -91.8 -91.8 0.49 (1) 3.57 Q-D -1232/0 0.16 (1)
T-U -5980.0 -91.8 -91.8 0.49 (1) 3.57 D-O 0.679 0.08 (1)
U-D -5980.0 -91.8 -91.8 0.49 (1) 3.57 O-E -680.0 0.09 (1)
D-V -6524.0 -91.8 -91.8 0.52 (1) 3.40 O-G 0.683 0.08 (1)
V-W -6524.0 -91.8 -91.8 0.52 (1) 3.40 M-G -1232.0 0.16 (1)
W-E -6524.0 -91.8 -91.8 0.52 (1) 3.40 M-H 0.2360 0.29 (1)
E-F -6524.0 -91.8 -91.8 0.52 (1) 3.40 L-H -342/38 0.04 (1)
F-X -6524.0 -91.8 -91.8 0.52 (1) 3.40 B-R 0.4118 0.51 (1)
X-G -6524.0 -91.8 -91.8 0.52 (1) 3.40 L-I 0.4115 0.51 (1)
G-Y -5977.0 -91.8 -91.8 0.49 (1) 3.58
Y-Z -5977.0 -91.8 -91.8 0.49 (1) 3.58
Z-H -5977.0 -91.8 -91.8 0.49 (1) 3.58
H-I -4585.0 -91.8 -91.8 0.48 (1) 4.08
I-J 0.28 -91.8 -91.8 0.07 (1) 10.00
J-K -2971.0 0.0 0.0 0.10 (1) 7.81
K-L -2989.0 0.0 0.0 0.10 (1) 7.81

ALLOWABLE DEFL.(LL) = 0.360 (1.08")
CALCULATED VERT. DEFL.(LL) = 1.999 (0.18")
ALLOWABLE DEFL.(TL) = 0.360 (1.08")
CALCULATED VERT. DEFL.(TL) = 1.999 (0.33")
CSI: TC=0.52/1.00 (D-E:1), BC=0.45/1.00 (Q-Q:1),
WB=0.51/1.00 (B-R:1), SS=0.19/1.00 (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 (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1859
PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.90 (I) (INPUT = 0.90)
JSI METAL= 0.56 (N) (INPUT = 1.00)

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMWV-p MT20 5.0 6.0 2.00 2.75
C TTWW-m MT20 5.0 6.0 2.25 3.00
D TMWV-i MT20 4.0 4.0
E TMW-w MT20 2.0 4.0
F TS-t MT20 3.0 6.0
G TMWV-i MT20 4.0 4.0
H TTWW-m MT20 5.0 6.0 2.25 3.00
I TMWV-p MT20 5.0 6.0 2.00 2.75
K BMV1-p MT20 3.0 6.0
L BMWV-i MT20 5.0 6.0 2.50 2.75
M BMWV-i MT20 5.0 6.0
N BS-t MT20 5.0 6.0
O BMWVW-i MT20 5.0 6.0
P BS-i MT20 5.0 6.0
Q BMWV-i MT20 5.0 6.0
R BMWV-i MT20 5.0 6.0 2.50 2.75
S BMV1-p MT20 3.0 6.0

FACTORED CONCENTRATED LOADS (LBS)
JT LOC. LC1 MAX. MAX+ FACE DIR. TYPE HEEL CONN.
C 5-10-8 -469 -469 -- FRONT VERT TOTAL -- C1
E 15-11-4 -110 -110 -- FRONT VERT TOTAL -- C1
F 17-11-4 -110 -110 -- FRONT VERT TOTAL -- C1



Structural component only
DWG# T-2006431
CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRAWG NO.
408187	T21	1	2	TRUSS DESC.		

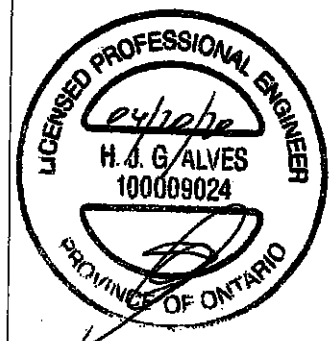
Tamarack Roof Truss, Burlington

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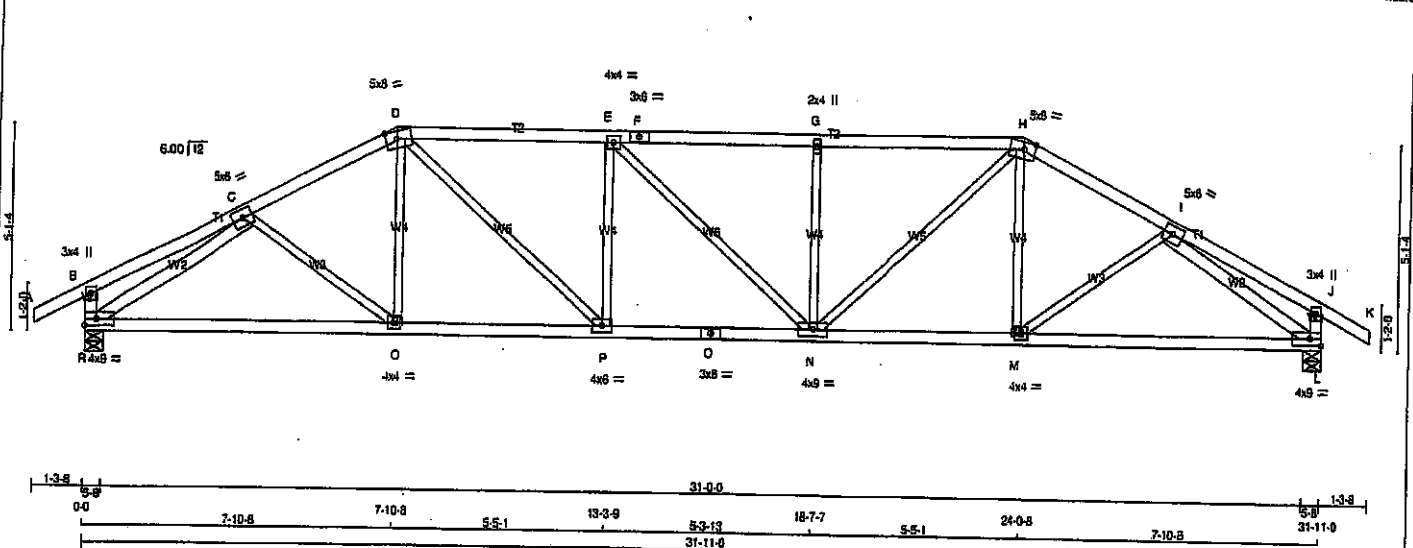
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	28-0-8	-469	-469	---	FRONT	VERT	TOTAL	---	C1
L	25-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
N	19-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
P	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	19-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	21-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	23-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	2-0-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AB	4-0-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AC	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AD	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AE	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AF	17-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	21-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	23-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	27-10-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	29-10-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2006431



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
H - K	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
R - C	2x4	DRY	No.2	SPF
I - L	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-i	MT20	5.0	6.0		
D	TTWW-m	MT20	5.0	8.0	2.25	3.50
E	TMWW-i	MT20	4.0	4.0		
F	TS-i	MT20	3.0	6.0		
G	TMW+w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	8.0	2.25	3.50
I	TMWW-i	MT20	5.0	6.0		
J	TMV+p	MT20	3.0	4.0		
L	BMVW-i	MT20	4.0	9.0		Edge
M	BMVW-i	MT20	4.0	4.0		
N	BMVWW-i	MT20	4.0	9.0		
O	BS-i	MT20	3.0	6.0		
P	BMVW-i	MT20	4.0	6.0		
Q	BMVW-i	MT20	4.0	4.0		
R	BMVW-i	MT20	4.0	9.0		Edge

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
R	1884	0	5-8	5-8
L	1884	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE			
R	1330	886 / 0	0 / 0	0	0
L	1330	886 / 0	0 / 0	0	0

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	C-D	0 / 74	0.03 (4)
B-C	0 / 17	-91.8	-91.8 0.20 (1)	10.00	Q-D	0 / 133	0.04 (4)
C-D	-2469 / 0	-91.8	-91.8 0.30 (1)	4.12	D-P	0 / 833	0.21 (1)
D-E	-2893 / 0	-91.8	-91.8 0.54 (1)	3.61	P-E	-394 / 0	0.21 (1)
E-F	-2891 / 0	-91.8	-91.8 0.53 (1)	3.61	E-N	-2 / 0	0.00 (1)
F-G	-2891 / 0	-91.8	-91.8 0.53 (1)	3.61	N-G	-333 / 0	0.21 (1)
G-H	-2891 / 0	-91.8	-91.8 0.53 (1)	3.61	H-H	0 / 931	0.21 (1)
H-I	-2469 / 0	-91.8	-91.8 0.30 (1)	4.12	M-H	0 / 134	0.04 (4)
I-J	0 / 17	-91.8	-91.8 0.20 (1)	10.00	M-I	0 / 74	0.03 (4)
J-K	0 / 28	-91.8	-91.8 0.12 (1)	10.00	R-C	-2888 / 0	0.74 (1)
R-B	-269 / 0	0.0	0.0 0.03 (1)	7.81	I-L	-2887 / 0	0.74 (1)
L-J	-269 / 0	0.0	0.0 0.03 (1)	7.81			
R-Q	0 / 2167	-18.5	-18.5 0.49 (1)	10.00			
Q-P	0 / 2194	-18.5	-18.5 0.48 (1)	10.00			
P-Q	0 / 2893	-18.5	-18.5 0.53 (1)	10.00			
Q-N	0 / 2893	-18.5	-18.5 0.53 (1)	10.00			
N-M	0 / 2194	-18.5	-18.5 0.49 (1)	10.00			
M-L	0 / 2168	-18.5	-18.5 0.49 (1)	10.00			

TOTAL WEIGHT = 2 X 130 = 259 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF
DL = 6.0 PSF

BOT CH. LL = 6.0 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 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, 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 (1.06")
CALCULATED VERT. DEFL. (LL) = L/999 (0.15")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = L/999 (0.29")

CSI: TC=0.54/1.00 (D-E:1), BC=0.53/1.00 (N-P:1), WB=0.74/1.00 (H-I:1), SI=0.23/1.00 (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.

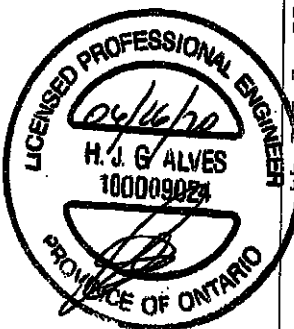
NAIL VALUES

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

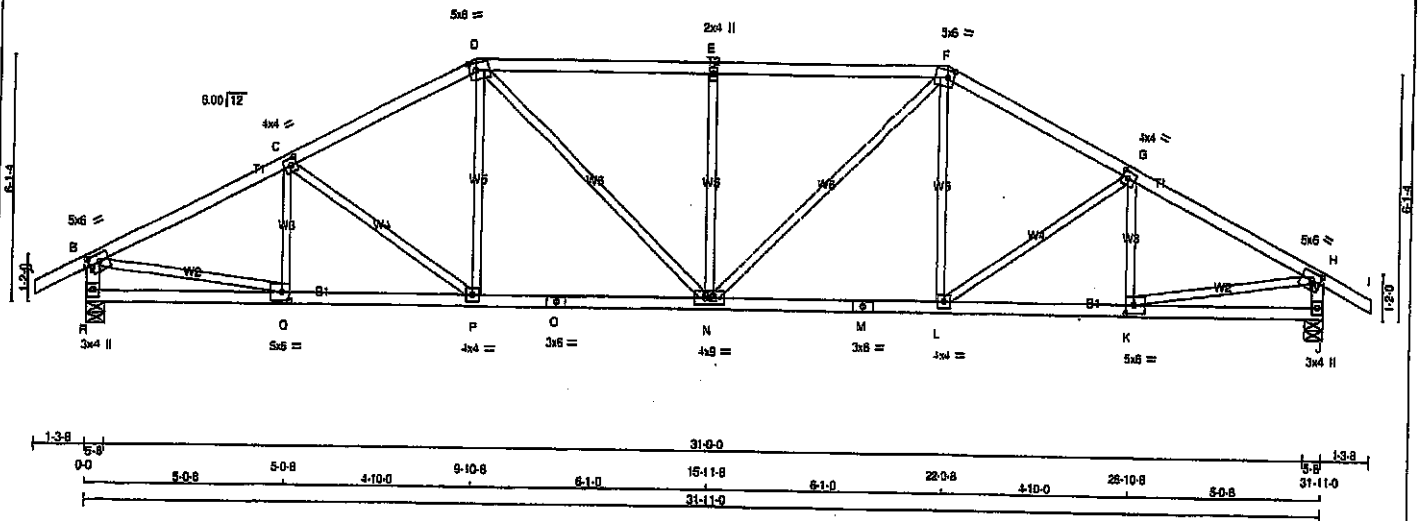
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JT GRIP= 0.84 (C) (INPUT = 0.80)
JT METAL= 0.94 (C) (INPUT = 1.00)



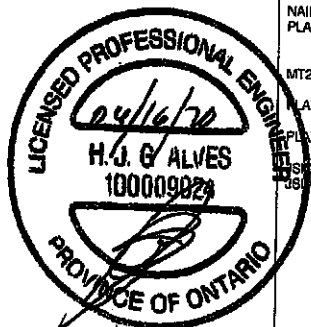
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Pamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Wed Apr 15 16:45:49 2020 Page 1	
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-1-3-8 0-0 5-0-8 5-0-8 9-10-8 8-1-0 15-11-8 6-1-0 22-0-8 4-10-0 26-10-8 5-0-8 31-11-0				Scale = 1:52.8	



LUMBER				DESIGN CRITERIA			
N. L. G. A. RULES				TOTAL WEIGHT = 2 X 125 = 250 lb			
CHORDS	SIZE	LUMBER	DESCR.	[M/F]			
A - D	2x4	DRY	No.2	SPECIFIED LOADS:			
D - F	2x4	DRY	No.2	TOP CH. LL = 25.6 PSF			
F - I	2x4	DRY	No.2	DL = 8.0 PSF			
I - B	2x4	DRY	No.2	BOT CH. LL = 0.0 PSF			
B - H	2x4	DRY	No.2	DL = 7.4 PSF			
H - O	2x4	DRY	No.2	TOTAL LOAD = 39.0 PSF			
O - M	2x4	DRY	No.2	SPACING = 24.0 IN. C/C			
M - J	2x4	DRY	No.2	LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM			
ALL WEBS	2x3	DRY	No.2	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015			
EXCEPT				THIS DESIGN COMPLIES WITH:			
DRY: SEASONED LUMBER.				- PART 9 OF CBC 2015, CBC 2012, ABC 2019			
				- PART 9 OF CBC 2012 (2019 AMENDMENT)			
				- CSA 088-09, CSA 086-14			
				- TPIC 2011, TPIC 2014			
				(\$5 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD			

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW-t	MT20	5.0	6.0	2.25	2.75
D TMVW-t	MT20	4.0	4.0	2.00	1.75
F TTWW-m	MT20	5.0	6.0	2.25	2.00
E TMVW-w	MT20	2.0	4.0		
G TTWW-m	MT20	5.0	6.0	2.25	2.00
F TMVW-t	MT20	4.0	4.0	2.00	1.75
H TMVW-t	MT20	5.0	6.0	2.25	2.75
J BMV1+p	MT20	3.0	4.0		
K BMVW-t	MT20	5.0	6.0	2.50	2.50
L BMVW-t	MT20	4.0	4.0		
M BS-t	MT20	3.0	6.0		
N BMVWW-t	MT20	4.0	9.0		
O BS-t	MT20	3.0	6.0		
P BMVW-t	MT20	4.0	4.0		
Q BMVW-t	MT20	5.0	6.0	2.50	2.50
R BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	REQD	IN-SX
R	1884	0	1884	0	0	5-8	5-8		
J	1884	0	1884	0	0	5-8	5-8		
UNFACTORED REACTIONS									
JT	1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
R	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0		
J	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 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 = 3.82 FT.									
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.									
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.									
LOADING									
TOTAL LOAD CASES: (4)									
CHORDS									
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO						FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	C-C	-301 / 0	0.07 (1)	10.00
B-C	-2536 / 0	-91.8	-91.8	0.37 (1)	4.02	C-P	-284 / 0	0.18 (1)	10.00
C-D	-2342 / 0	-91.8	-91.8	0.35 (1)	4.17	P-D	0 / 257	0.08 (1)	10.00
D-E	-2493 / 0	-91.8	-91.8	0.54 (1)	3.82	D-N	0 / 575	0.13 (1)	10.00
E-F	-2493 / 0	-91.8	-91.8	0.54 (1)	3.82	N-E	-885 / 0	0.40 (1)	10.00
F-G	-2342 / 0	-91.8	-91.8	0.35 (1)	4.17	N-F	0 / 575	0.13 (1)	10.00
G-H	-2536 / 0	-91.8	-91.8	0.37 (1)	4.02	L-F	0 / 257	0.08 (1)	10.00
H-I	0 / 28	-91.8	-91.8	0.12 (1)	10.00	L-G	-284 / 0	0.18 (1)	10.00
R-B	-1841 / 0	0.0	0.0	0.18 (1)	8.17	K-G	-301 / 0	0.07 (1)	10.00
J-H	-1841 / 0	0.0	0.0	0.19 (1)	8.17	B-Q	0 / 2323	0.52 (1)	10.00
R-Q	0 / 0	-18.5	-18.5	0.10 (4)	10.00	K-H	0 / 2323	0.52 (1)	10.00
Q-P	0 / 2280	-18.5	-18.5	0.43 (1)	10.00				
P-O	0 / 2077	-18.5	-18.5	0.40 (1)	10.00				
O-N	0 / 2077	-18.5	-18.5	0.40 (1)	10.00				
N-M	0 / 2077	-18.5	-18.5	0.40 (1)	10.00				
M-L	0 / 2077	-18.5	-18.5	0.40 (1)	10.00				
L-K	0 / 2250	-18.5	-18.5	0.43 (1)	10.00				
K-J	0 / 0	-18.5	-18.5	0.10 (4)	10.00				



ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/899 (0.13")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/899 (0.24")
 CSI: TC=0.54/1.00 (D-E:1), BC=0.43/1.00 (K-L:1),
 WB=0.52/1.00 (H-K:1), SS=0.27/1.00 (E-F:1)
 DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
 COMP=1.10 SHEAR=1.10 TENS=1.10
 COMPANION LIVE LOAD FACTOR = 1.00

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

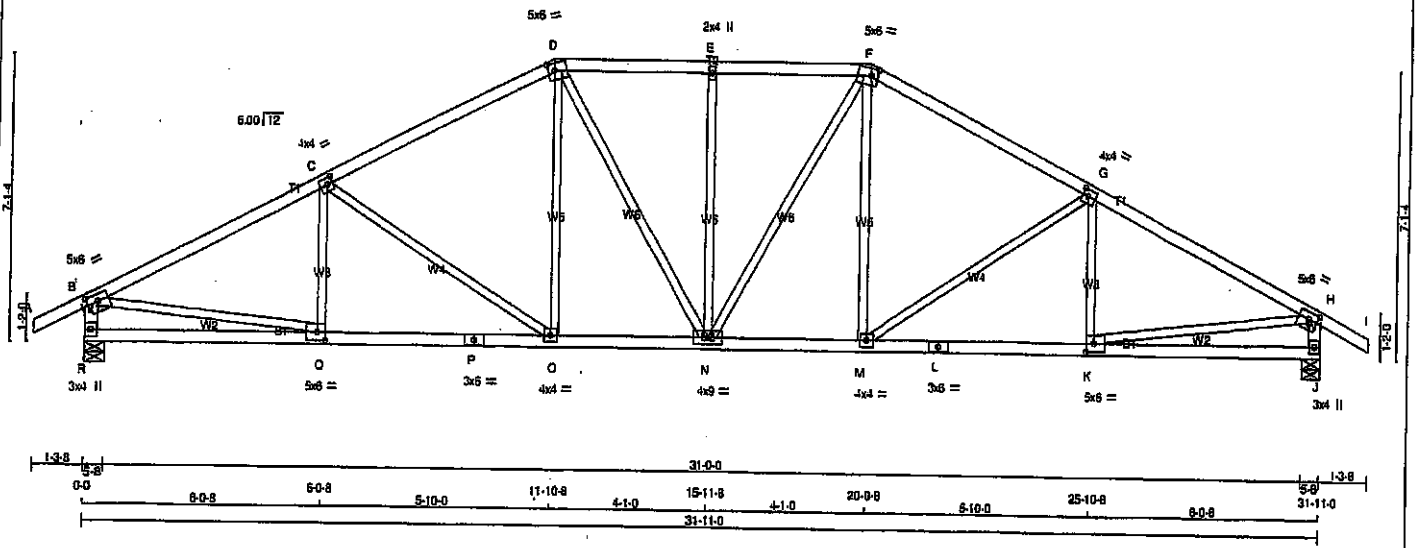
NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION
 (PS) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1697 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches
 PLATE ROTATION TOL = 5.0 Deg.

GRIP= 0.90 (B) (INPUT = 0.90)
 GRIP= 0.67 (B) (INPUT = 1.00)

Structural component only
 DWG# T-2006318

JOB NAME 408130	TRUSS NAME T24	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Famrack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Wed Apr 15 16:45:30 2020 Page 1	
ID:1ebEM4C892xn94Zv?kFFizmBR3-zle6LhPIQTaqy_TATmRmsy?wiP8e5qxGOSPBzQQi?				31-11-0 33-28 1-3-8	
				Scale = 1:52.6	



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
I - B	2x4	DRY	No.2
B - H	2x4	DRY	No.2
H - P	2x4	DRY	No.2
P - L	2x4	DRY	No.2
L - J	2x4	DRY	No.2
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-1	MT20	5.0	8.0 2.00 2.75
C	TMVW-1	MT20	4.0	4.0 2.00 1.75
D	TTWV-m	MT20	5.0	6.0 2.25 2.00
E	TMVW-w	MT20	2.0	4.0
F	TTWV-m	MT20	5.0	6.0 2.25 2.00
G	TMVW-1	MT20	4.0	4.0 2.00 1.75
H	TMVW-1	MT20	5.0	6.0 2.00 2.75
J	BMV1+p	MT20	3.0	4.0
K	BMVW-1	MT20	5.0	6.0 2.50 2.50
L	BS-1	MT20	3.0	8.0
M	BMVW-1	MT20	4.0	4.0
N	BMVWV-1	MT20	4.0	9.0
O	BMVW-1	MT20	4.0	4.0
P	BS-1	MT20	3.0	8.0
Q	BMVW-1	MT20	5.0	6.0 2.50 2.50
R	BMV1+p	MT20	3.0	4.0

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

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
R	1884	0	1884	0	5-8	5-8	
J	1884	0	1884	0	5-8	5-8	

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1330	888 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0
J	1330	888 / 0	0 / 0	0 / 0	0 / 0	444 / 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 = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX.	CSI (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0 : 28	-91.8	-91.8 0.12 (1)	Q-C	-212 : 29	0.06 (1)	
B-C	-2579 : 0	-91.8	-91.8 0.55 (1)	C-D	-480 : 0	0.46 (1)	
C-D	-2158 : 0	-91.8	-91.8 0.49 (1)	D-E	0 : 362	0.08 (1)	
D-E	-2088 : 0	-91.8	-91.8 0.24 (1)	E-F	0 : 298	0.07 (1)	
E-F	-2088 : 0	-91.8	-91.8 0.24 (1)	F-G	-451 : 0	0.39 (1)	
F-G	-2158 : 0	-91.8	-91.8 0.49 (1)	G-H	0 : 298	0.07 (1)	
G-H	-2579 : 0	-91.8	-91.8 0.55 (1)	H-I	0 : 382	0.08 (1)	
H-I	0 : 28	-91.8	-91.8 0.12 (1)	I-J	-480 : 0	0.46 (1)	
I-J	-1836 : 0	0.0	0.0 0.19 (1)	J-K	-212 : 29	0.06 (1)	
J-K	-1836 : 0	0.0	0.0 0.19 (1)	K-L	0 : 2355	0.53 (1)	
K-L	0 : 0	-18.5	-18.5 0.15 (4)	L-M	0 : 2355	0.53 (1)	
L-M	0 : 2332	-18.5	-18.5 0.44 (1)	M-N	0 : 2332	0.44 (1)	
M-N	0 : 2332	-18.5	-18.5 0.44 (1)	N-O	0 : 1935	0.37 (1)	
N-O	0 : 1935	-18.5	-18.5 0.37 (1)	O-P	0 : 1935	0.37 (1)	
O-P	0 : 1935	-18.5	-18.5 0.37 (1)	P-Q	0 : 2332	0.44 (1)	
P-Q	0 : 2332	-18.5	-18.5 0.44 (1)	Q-R	0 : 2332	0.44 (1)	
Q-R	0 : 2332	-18.5	-18.5 0.44 (1)	R-S	0 : 2332	0.44 (1)	
R-S	0 : 2332	-18.5	-18.5 0.44 (1)	S-T	0 : 2332	0.44 (1)	
S-T	0 : 2332	-18.5	-18.5 0.44 (1)	T-U	0 : 2332	0.44 (1)	
T-U	0 : 2332	-18.5	-18.5 0.44 (1)	U-V	0 : 2332	0.44 (1)	
U-V	0 : 2332	-18.5	-18.5 0.44 (1)	V-W	0 : 2332	0.44 (1)	
V-W	0 : 2332	-18.5	-18.5 0.44 (1)	W-X	0 : 2332	0.44 (1)	
W-X	0 : 2332	-18.5	-18.5 0.44 (1)	X-Y	0 : 2332	0.44 (1)	
X-Y	0 : 2332	-18.5	-18.5 0.44 (1)	Y-Z	0 : 2332	0.44 (1)	
Y-Z	0 : 2332	-18.5	-18.5 0.44 (1)	Z-A	0 : 2332	0.44 (1)	
Z-A	0 : 2332	-18.5	-18.5 0.44 (1)	A-B	0 : 2332	0.44 (1)	

TOTAL WEIGHT = 2 X 136 = 271 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 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 085-08, CSA 085-14
- TPIC 2011, 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) = $L/360$ (1.06')
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.12')
ALLOWABLE DEFL. (TL) = $L/360$ (1.00')
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.21')

CSI: TO=0.55/1.00 (G-H-1), BC=0.44/1.00 (K-M-1),
WB=0.53/1.00 (H-K-1), SS=0.24/1.00 (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

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

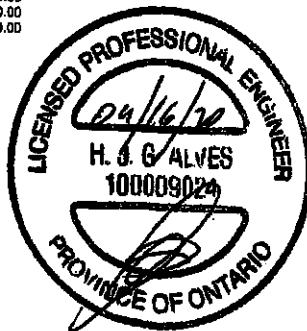
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (H) (INPUT = 0.80)
JSI METAL= 0.74 (P) (INPUT = 1.00)



Structural component only
DWG# T-2006319

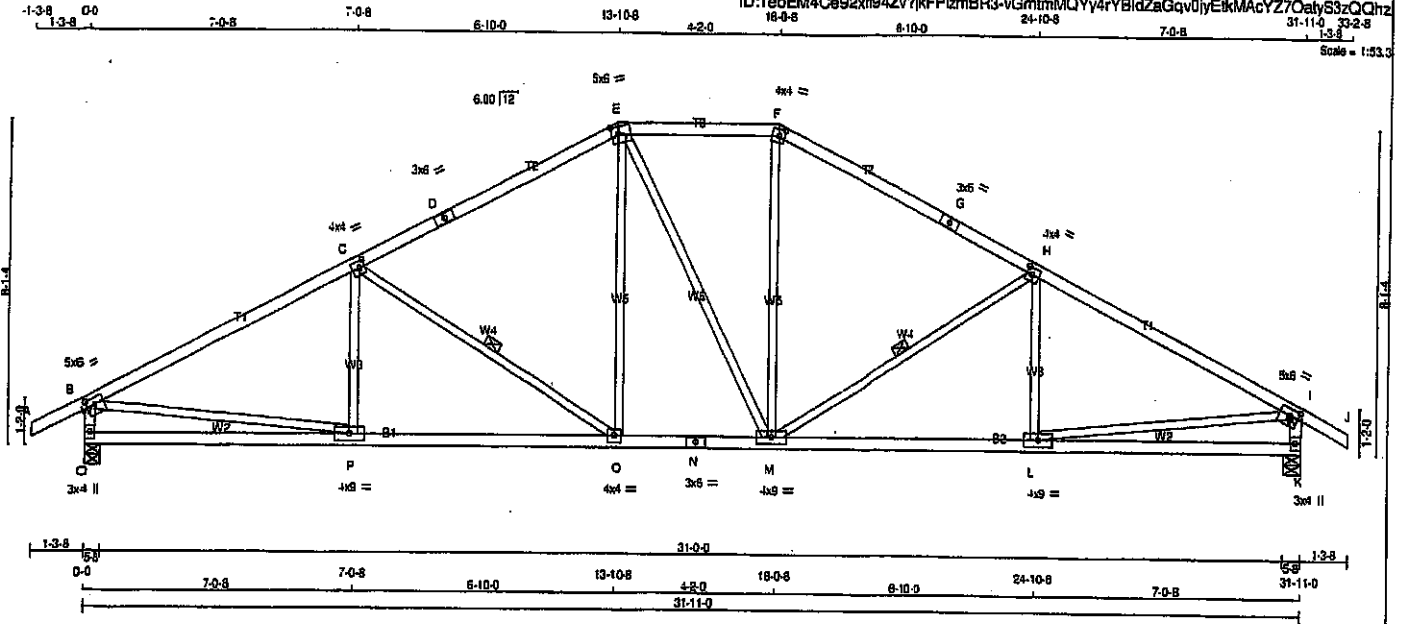
JOB NAME 408130	TRUSS NAME T25	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:1ebEM4Ce92xn94Zv7kFFPlzmBR3-vGmtmMQYy4rYBidZaGqvUjYEkMAcyZ7Oaty53zQChz

31-11-0 33-2-8 1-3-8

Scale = 1:53.3



TOTAL WEIGHT = 2 X 131 = 263 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR
CHORDS			
A - 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 - J	2x4	DRY No.2	SPF
O - B	2x4	DRY No.2	SPF
K - I	2x4	DRY No.2	SPF
Q - N	2x4	DRY No.2	SPF
N - K	2x4	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
EXCEPT			

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	5.0	5.0	2.00	2.75
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TS-1	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TTWW-m	MT20	4.0	4.0	2.00	1.75
G	TS-1	MT20	3.0	6.0		
H	TMVW-1	MT20	4.0	4.0	2.00	1.75
I	TMVW-1	MT20	5.0	6.0	2.00	2.75
K	BMV1-p	MT20	3.0	4.0		
L	BMVW-1	MT20	4.0	9.0		
M	BMVW-1	MT20	4.0	9.0		
N	BS-1	MT20	3.0	6.0		
O	BMVW-1	MT20	4.0	4.0		
P	BMVW-1	MT20	4.0	9.0		
Q	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
Q	1884	0	1884	0
K	1884	0	1884	0

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
Q	1330	886 / 0	0 / 0	0 / 0	0 / 0	444	0	0
K	1330	886 / 0	0 / 0	0 / 0	0 / 0	444	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.47 FT.
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-O, H-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. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 28	-91.8 -91.8	0.12 (1)	10.00	P-C	-140 71	0.05 (1)
B-C	-2587 0	-91.8 -91.8	0.78 (1)	3.47	C-O	-681 0	0.31 (1)
C-D	-2013 0	-91.8 -91.8	0.58 (1)	3.97	O-E	0 458	0.10 (1)
D-E	-2013 0	-91.8 -91.8	0.58 (1)	3.97	E-M	0 2	0.00 (1)
E-F	-1775 0	-91.8 -91.8	0.24 (1)	4.79	M-F	0 480	0.10 (1)
F-G	-2013 0	-91.8 -91.8	0.58 (1)	3.97	M-H	-880 0	0.31 (1)
G-H	-2013 0	-91.8 -91.8	0.58 (1)	3.97	H-I	-142 70	0.05 (1)
H-I	-2587 0	-91.8 -91.8	0.78 (1)	3.47	B-P	0 2382	0.53 (1)
I-J	0 28	-91.8 -91.8	0.12 (1)	10.00	L-I	0 2351	0.53 (1)
Q-B	-1830 0	0.0 0.0	0.18 (1)	6.19			
K-I	-1830 0	0.0 0.0	0.18 (1)	6.19			
Q-P	0 0	-18.5 -18.5	0.22 (4)	10.00			
P-O	0 2344	-18.5 -18.5	0.48 (1)	10.00			
O-N	0 1774	-18.5 -18.5	0.35 (1)	10.00			
N-M	0 1774	-18.5 -18.5	0.35 (1)	10.00			
M-L	0 2344	-18.5 -18.5	0.48 (1)	10.00			
L-K	0 0	-18.5 -18.5	0.22 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN.C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.24")

CS: TC=0.78/1.00 (B-C:1), BC=0.48/1.00 (O-P:1), WB=0.53/1.00 (B-P:1), SS=0.28/1.00 (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

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

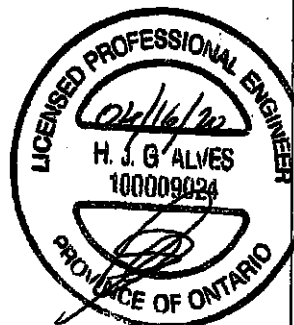
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP=0.89 (B) (INPUT=0.90)
METAL=0.70 (B) (INPUT=1.00)



Structural component only
DWG# T-2006320

JOB NAME: Tamarack Roof Truss, Burlington
TRUSS NAME: T26
QUANTITY: 3
PLY: 1
JOB DESC.: GREEN PARK HOMES
DRWG NO.:

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ID: 1ebEM4Ce92xn94Zv7jKFPizmBR3-NSKF_JRAJOzPpSClBzL8YxJW27iyL?WGdEdW_WzQQChy

Scale = 1:5.3

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

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMV+p MT20 3.0 4.0
C TMWW+ MT20 5.0 6.0 2.50 2.50
D TS+ MT20 3.0 6.0
E TMWW+ MT20 4.0 4.0 2.00 1.50
F TTWW+ MT20 4.0 6.0 Edge
G TMWW+ MT20 4.0 4.0 2.00 1.50
H TS+ MT20 3.0 6.0
I TMWW+ MT20 5.0 6.0 2.50 2.50
J TMV+p MT20 3.0 4.0
L BMVV+ MT20 4.0 9.0 Edge
M BMWW+ MT20 4.0 4.0
N BS+ MT20 3.0 6.0
O BMWWW+ MT20 5.0 8.0
P BS+ MT20 3.0 8.0
Q BMWW+ MT20 4.0 4.0
R BMVV+ MT20 4.0 9.0 Edge
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER
BEARINGS
FACTORED MAXIMUM FACTORED INPUT REQRD
GROSS REACTION GROSS REACTION BRG BRG
JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX
R 1884 0 1884 0 0 5-8 5-8
L 1884 0 1884 0 0 5-8 5-8
UNFACTORED REACTIONS
1ST LOASE MAX/MIN COMPONENT REACTIONS
JT COMBINED SNOW LIVE PERMLIVE WIND DEAD SOIL
R 1330 886 / 0 0 / 0 0 / 0 0 444 0 0 0
L 1330 886 / 0 0 / 0 0 / 0 0 444 0 0 0
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, L
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.
1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-O, E-O, C-R, 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.	FR-TO	MAX. FACTORED FORCE (LBS)	CHORDS		WEBS			
			VERT. LOAD (PLF)	C/SI (LC)	MAX. FACTORED FORCE (LBS)	C/SI (LC)		
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	O-F	0 / 1211	0.27 (1)
B-C	0 / 28	-91.8	-91.8	0.33 (1)	10.00	O-G	-701 0	0.32 (1)
C-D	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	G-M	0 / 312	0.07 (1)
D-E	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	M-I	-156 21	0.05 (1)
E-F	-1808 / 0	-91.8	-91.8	0.34 (1)	4.55	E-O	-701 0	0.32 (1)
F-G	-1808 / 0	-91.8	-91.8	0.34 (1)	4.55	Q-E	0 312	0.07 (1)
G-H	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	C-Q	-156 21	0.05 (1)
H-I	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	R-C	-2717 0	0.55 (1)
I-J	0 20	-91.8	-91.8	0.33 (1)	10.00	I-L	-2717 0	0.55 (1)
J-K	0 28	-91.8	-91.8	0.12 (1)	10.00			
R-B	-325 0	0.0	0.0	0.03 (1)	7.81			
L-J	-325 0	0.0	0.0	0.03 (1)	7.81			
R-O	0 / 2268	-18.5	-18.5	0.51 (1)	10.00			
Q-P	0 / 2081	-18.5	-18.5	0.48 (1)	10.00			
P-O	0 / 2051	-18.5	-18.5	0.48 (1)	10.00			
O-N	0 / 2051	-18.5	-18.5	0.48 (1)	10.00			
N-M	0 / 2051	-18.5	-18.5	0.48 (1)	10.00			
M-L	0 / 2268	-18.5	-18.5	0.51 (1)	10.00			

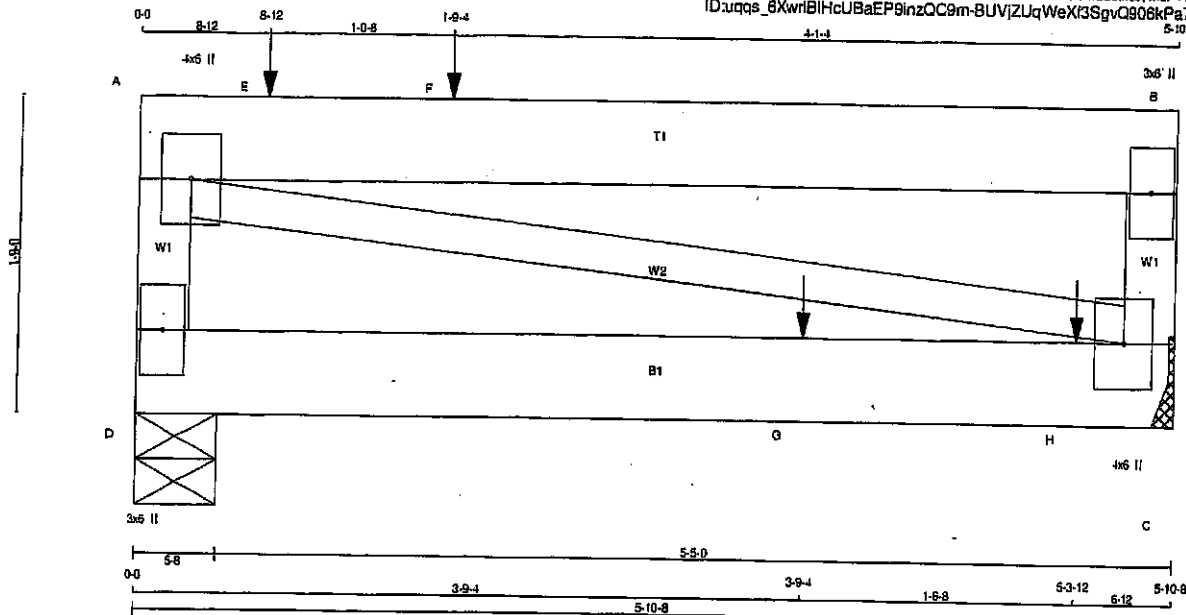
DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF
SPACING = 24.0 IN/C
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBCC 2015
THIS DESIGN COMPLIES WITH:
PART 9 OF BCBC 2018, CBC 2012, ABC 2019
PART 9 OF CBC 2012 (2019 AMENDMENT)
CSA 086-09, CSA 086-14
TPIC 2011, 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.24")
CSI: TC=0.37/1.00 (G-I), BC=0.51/1.00 (L-M), WB=0.55/1.00 (I-L), SI=0.20/1.00 (I-J)
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 (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656
PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL = 5.0 Deg.
SI GRIP= 0.85 (I) (INPUT = 0.90)
SI METAL= 0.70 (P) (INPUT = 1.00)

TOTAL WEIGHT = 3 X 133 = 400 LB

LICENSED PROFESSIONAL ENGINEER
04/16/20
H.O. G. ALVES
100009824
PROVINCE OF ONTARIO

Structural component only
DWG# T-2006321

JOB NAME 408188	TRUSS NAME T30	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.310 5 Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:26:12 2020 Page 1		ID:uqqs_6XwriBIHcUBaEP9inzQC9m-8UVjZUqWexXISgVQ906kPa7EZLeQahQzoYIMC?zPtoP	
		8-12 8-12 1-0-8 1-0-4 4-1-1		Scale = 1:11.8	



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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
D-A 1	12	TOP
B-C 1	12	TOP
A-B 2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
D-C 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	TMVW+p	MT20	4.0	8.0			
B	TMV+p	MT20	3.0	6.0			
C	BMVW1+p	MT20	4.0	8.0			
D	BMV1+p	MT20	3.0	6.0			

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
D	1419	0	1419	0	5-8
C	1668	0	1668	0	5-8

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

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	998	680.0	0.0	0.0	0.0	319.0	0.0
C	1173	807.0	0.0	0.0	0.0	368.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO	
D-A	-1054.0	0.0	0.0 0.05 (1)	A-C	0.0 0.00 (1)
A-E	0.0	-91.8	-91.8 0.50 (1)		
E-F	0.0	-91.8	-91.8 0.50 (1)		
F-B	0.0	-91.8	-91.8 0.50 (1)		
C-B	-555.0	0.0	0.0 0.03 (1)		
D-G	0.0	-18.5	-18.5 0.42 (1)		
G-H	0.0	-18.5	-18.5 0.42 (1)		
H-C	0.0	-18.5	-18.5 0.42 (1)		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
E	8-12	-211	-211	---	TOP	VERT	TOTAL	---	C1
F	1-9-4	-860	-860	---	TOP	VERT	TOTAL	---	C1
G	3-9-4	-682	-682	---	FRONT	VERT	TOTAL	---	C1
H	5-3-12	-686	-686	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

1) CT: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT C.

TOTAL WEIGHT = 2 X 27 = 55 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, 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 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/732 (0.10")

CSI: TC=0.50/1.00 (A-B:1), BC=0.42/1.00 (C-D:1), WB=0.00/1.00 (A-C:1), SSI=0.34/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

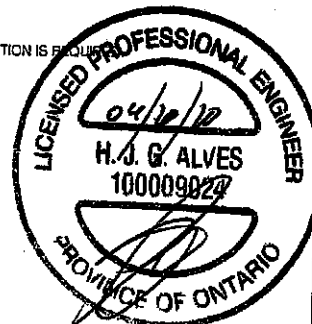
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.14 (A) INPUT = 0.90
JSI METAL = 0.07 (D) INPUT = 1.00



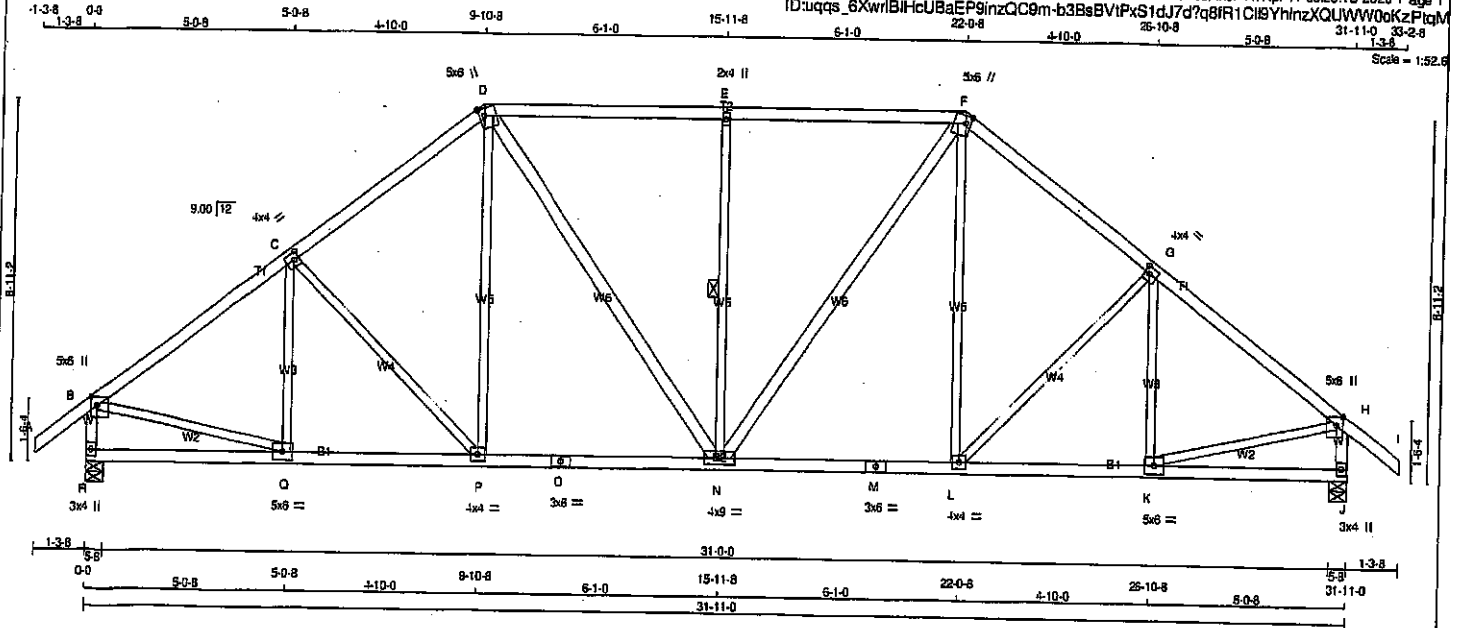
Structural component only
DWG# T-2006441

JOB NAME 408188	TRUSS NAME T33	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
I - B	2x4	DRY	No.2
B - H	2x4	DRY	No.2
H - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2
EXCEPT			
D - N	2x4	DRY	No.2
N - F	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	UPLIFT	IN-SX
JT 1886 0	1886 0	0	5-8
J 1886 0	1886 0	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
JT 1331 887 0 0 0 0 0 0 0 0	
J 1331 887 0 0 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 = 4.53 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	W E B S	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
(LBS)	(LBS)	(LBS)	(LBS)	(LBS)
FR-TO	FROM TO	CS (LC)	FR-TO	CS (LC)
A-B	0 38	-91.8 -91.8 0.12 (1)	Q-C	-274 0 0.11 (1)
B-C	-1920 0	-91.8 -91.8 0.35 (1)	C-P	-236 0 0.22 (1)
C-D	-1780 0	-91.8 -91.8 0.33 (1)	P-D	0 270 0.06 (1)
D-E	-1680 0	-91.8 -91.8 0.48 (1)	D-N	0 488 0.08 (1)
E-F	-1680 0	-91.8 -91.8 0.48 (1)	N-E	-884 0 0.35 (1)
F-G	-1780 0	-91.8 -91.8 0.33 (1)	N-F	0 488 0.08 (1)
G-H	-1920 0	-91.8 -91.8 0.35 (1)	L-G	-236 0 0.22 (1)
H-I	0 38	-91.8 -91.8 0.12 (1)	L-F	0 270 0.06 (1)
R-B	-1845 0	0.0 0.0 0.19 (1)	K-G	-274 0 0.11 (1)
J-H	-1845 0	0.0 0.0 0.19 (1)	S-O	0 1604 0.36 (1)
R-Q	0 0	-18.5 -18.5 0.10 (4)	K-H	0 1604 0.36 (1)
Q-P	0 1561	-18.5 -18.5 0.31 (1)		
P-O	0 1398	-18.5 -18.5 0.30 (1)		
O-N	0 1398	-18.5 -18.5 0.30 (1)		
N-M	0 1398	-18.5 -18.5 0.30 (1)		
M-L	0 1398	-18.5 -18.5 0.30 (1)		
L-K	0 1561	-18.5 -18.5 0.31 (1)		
K-J	0 0	-18.5 -18.5 0.10 (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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2016, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 085-09, CSA 085-14
- TPIC 2011, 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 (1.06")
CALCULATED VERT. DEFL. (LL) = L/999 (0.07")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = L/999 (0.13")

CSI: TC=0.48/1.00 (D-E:1), BC=0.31/1.00 (K-L:1), WB=0.36/1.00 (B-Q:1), SS=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

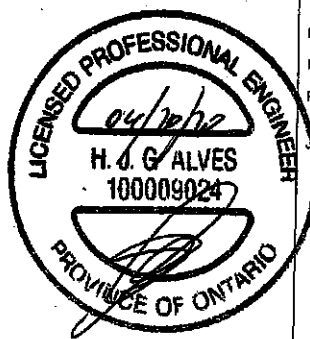
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 819 354 1667 788 1967 1658

PLATE PLACEMENT TOL. = 0.250 inches

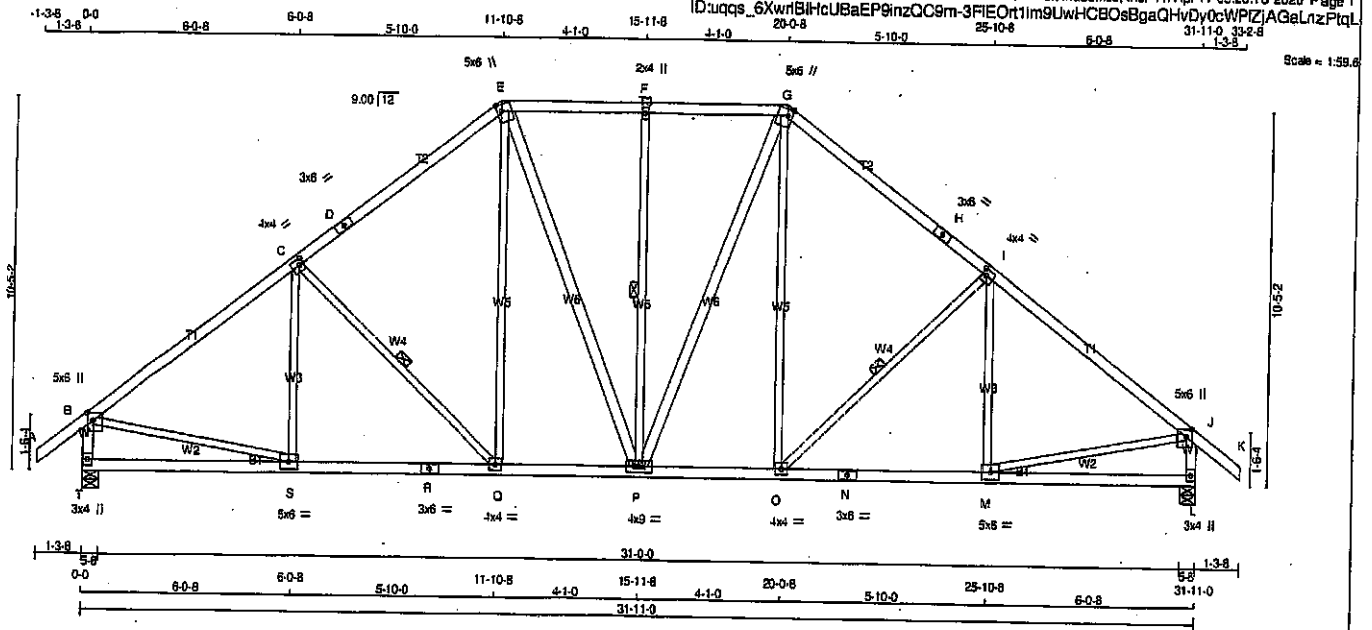
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP=0.89 (B) (INPUT = 0.90)
SI METAL=0.46 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006443

JOB NAME 408188	TRUSS NAME T34	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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	2x4	DRY	No.2	SPF	
L - J	2x4	DRY	No.2	SPF	
T - R	2x4	DRY	No.2	SPF	
R - N	2x4	DRY	No.2	SPF	
N - L	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
E - P	2x4	DRY	No.2	SPF	
P - G	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
T	1886	0	1886	0	5-8	5-8
L	1886	0	1886	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
T	1331	887	0	0	0	444	0
L	1331	887	0	0	0	444	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 = 4.30 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	LC1	MAX. (PLF)	MAX. (LC)	UNBRAC LENGTH	MAX. FORCE (LBS)	MAX. (LC)
FR-TO								
A-B	0.38	-81.8	-81.8	0.12 (1)	10.00	S-C	-189	37
B-C	-1942.0	-81.8	-81.8	0.53 (1)	4.30	C-Q	-400	0
C-D	-1684.0	-81.8	-81.8	0.48 (1)	4.61	Q-E	0	370
D-E	-1684.0	-81.8	-81.8	0.48 (1)	4.61	E-P	0	276
E-F	-1404.0	-81.8	-81.8	0.21 (1)	5.29	P-F	-448	0
F-G	-1404.0	-81.8	-81.8	0.21 (1)	5.29	P-G	0	276
G-H	-1684.0	-81.8	-81.8	0.48 (1)	4.61	O-G	0	370
H-I	-1684.0	-81.8	-81.8	0.48 (1)	4.61	O-I	-400	0
I-J	-1942.0	-81.8	-81.8	0.53 (1)	4.30	M-I	-189	37
J-K	0.38	-81.8	-81.8	0.12 (1)	10.00	B-S	0	1615
T-B	-1840.0	0.0	0.0	0.19 (1)	6.17	M-J	0	1615
L-J	-1840.0	0.0	0.0	0.19 (1)	6.17			
T-S	0	0	-18.5	-18.5	0.16 (4)	10.00		
S-R	0	1585	-18.5	-18.5	0.34 (1)	10.00		
R-Q	0	1585	-18.5	-18.5	0.34 (1)	10.00		
Q-P	0	1301	-18.5	-18.5	0.26 (1)	10.00		
P-O	0	1301	-18.5	-18.5	0.26 (1)	10.00		
O-N	0	1585	-18.5	-18.5	0.34 (1)	10.00		
N-M	0	1585	-18.5	-18.5	0.34 (1)	10.00		
M-L	0	0	-18.5	-18.5	0.16 (4)	10.00		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2010, OSC 2012, ABC 2010
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-03, CSA 086-14
- TPIC 2011, 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 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.53/1.00 (B-C:1), BC=0.34/1.00 (Q-S:1), WB=0.36/1.00 (J-M:1), SS=0.21/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

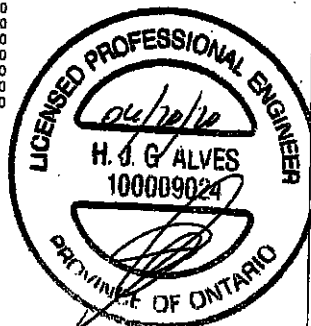
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	816	354	1667

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

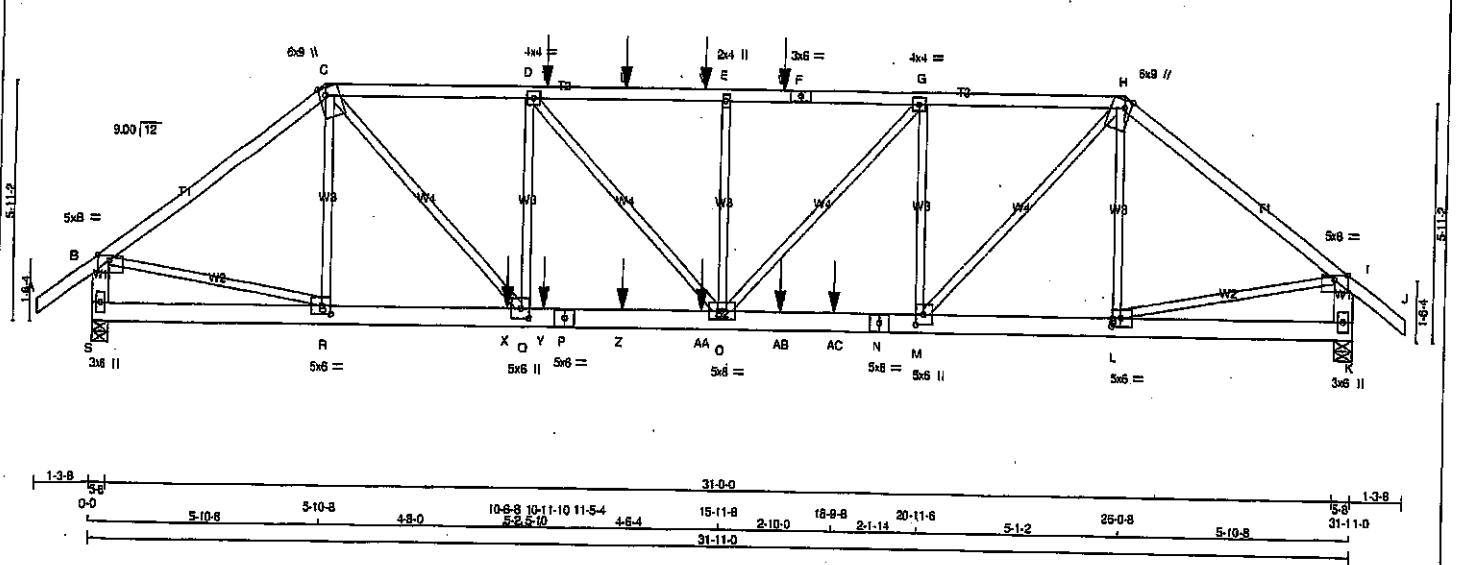
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.52 (R) (INPUT = 1.00)



Structural component only
DWG# T-2006444

JOB NAME 408188	TRUSS NAME T35	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:uqqs_6XwrlBtHcUbaEP9inzQC9m-XSjocBuT4HLYRnNxZiv6dq4aMFSFqFiqq77IDzPlqK
1-3-8 0-0 5-10-8 5-10-8 5-1-2 10-11-10 11-5-4 4-6-1 15-11-8 4-11-14 20-11-6 26-0-8 5-1-2 5-10-8 31-1-0 33-2-8
Scale = 1:52.6



LUMBER
N. L. G. A. RULES
CHORDS SIZE LUMBER DESCR.
A - C 2x4 DRY No.2 SPF
C - F 2x4 DRY No.2 SPF
F - H 2x4 DRY No.2 SPF
H - J 2x4 DRY No.2 SPF
S - B 2x6 DRY No.2 SPF
K - I 2x6 DRY No.2 SPF
S - P 2x8 DRY No.2 SPF
P - N 2x6 DRY No.2 SPF
N - K 2x6 DRY No.2 SPF
ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT VERT	3971	DOWN	3971	UPLIFT	0	IN-SX	5-8
S	0	HORIZ	0		0		5-8
K	0		0		0		5-8

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
1ST LCASE		SNOW	LIVE	PERM. LIVE					
JT COMBINED	2798	1896	0	0	0	0	902	0	0
S	0	0	0	0	0	0	810	0	0
K	0	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 = 3.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING		TOTAL LOAD CASES: (4)	
CHORDS			
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO			
A-B	0/38	-91.8	10.00
B-C	-4732/0	-91.8	10.00
C-D	-6354/0	-91.8	10.00
D-E	-6736/0	-91.8	10.00
E-F	-6736/0	-91.8	10.00
F-G	-6736/0	-91.8	10.00
G-H	-6736/0	-91.8	10.00
H-I	-6736/0	-91.8	10.00
I-J	-6736/0	-91.8	10.00
J-K	-6736/0	-91.8	10.00
K-L	-6736/0	-91.8	10.00
L-M	-6736/0	-91.8	10.00
M-N	-6736/0	-91.8	10.00
N-O	-6736/0	-91.8	10.00
O-P	-6736/0	-91.8	10.00
P-Q	-6736/0	-91.8	10.00
Q-R	-6736/0	-91.8	10.00
R-S	-6736/0	-91.8	10.00
S-T	-6736/0	-91.8	10.00
T-U	-6736/0	-91.8	10.00
U-V	-6736/0	-91.8	10.00
V-W	-6736/0	-91.8	10.00
W-X	-6736/0	-91.8	10.00
X-Y	-6736/0	-91.8	10.00
Y-Z	-6736/0	-91.8	10.00
Z-AA	-6736/0	-91.8	10.00
AA-O	-6736/0	-91.8	10.00
O-AB	-6736/0	-91.8	10.00
AB-AC	-6736/0	-91.8	10.00
AC-N	-6736/0	-91.8	10.00
N-M	-6736/0	-91.8	10.00
M-L	-6736/0	-91.8	10.00
L-K	-6736/0	-91.8	10.00

CHORDS		FACTORED		W E B S		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.	FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED (LBS)
FR-TO				FR-TO			
A-B	0/38	-91.8	10.00	R-C	-424.0	0.11	(1)
B-C	-4732/0	-91.8	10.00	C-Q	0/3813	0.47	(1)
C-D	-6354/0	-91.8	10.00	Q-D	-1192/0	0.31	(1)
D-E	-6736/0	-91.8	10.00	E-O	0/571	0.07	(1)
E-F	-6736/0	-91.8	10.00	O-E	-867/0	0.23	(1)
F-G	-6736/0	-91.8	10.00	G-G	0/1542	0.19	(1)
G-H	-6736/0	-91.8	10.00	H-G	-1671/0	0.44	(1)
H-I	-6736/0	-91.8	10.00	I-H	0/3581	0.44	(1)
I-J	-6736/0	-91.8	10.00	J-H	-632/0	0.16	(1)
J-K	-6736/0	-91.8	10.00	K-R	0/3844	0.48	(1)
K-L	-6736/0	-91.8	10.00	L-I	0/3348	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 8.00/12
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015
THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (1.06")
CALCULATED VERT. DEFL. (LL) = L/999 (0.16")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = L/999 (0.29")
CSI: TO=0.55/1.00 (B-C:1), BC=0.81/1.00 (M-O:1), WB=0.48/1.00 (B-R:1), SSI=0.51/1.00 (Q-R:1)
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00
COMP=1.00 SHEAR=1.00 TENS=1.00
COMPANION LIVE LOAD FACTOR = 1.00
AUTOSOLVE HEELS OFF
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

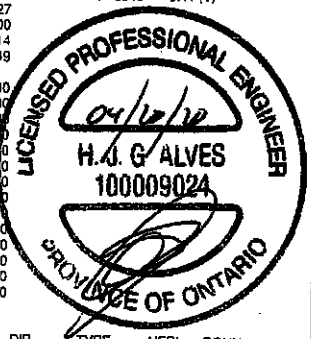
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1659
PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.86 (Q) (INPUT = 0.90)
JSI METAL= 0.83 (N) (INPUT = 1.00)

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMVW-p MT20 5.0 8.0 Edge
C TWWW-m MT20 6.0 9.0 Edge 2.00
D TMVW-i MT20 4.0 4.0
E TMVW-w MT20 2.0 4.0
F TS-i MT20 3.0 6.0
G TMVW-i MT20 4.0 4.0
H TWWW-m MT20 6.0 9.0 Edge 2.00
I TMVW-p MT20 5.0 8.0 Edge
K BMV1-p MT20 3.0 6.0
L BMVW-i MT20 5.0 6.0 2.50 2.75
M BMVW-i MT20 5.0 6.0 3.00 2.25
N BS-i MT20 5.0 6.0
O BMVW-i MT20 5.0 6.0
P BS-i MT20 5.0 6.0
Q BMVW-i MT20 5.0 6.0 3.00 2.25
R BMVW-i MT20 5.0 6.0 2.50 2.75
S BMV1-p MT20 3.0 6.0

FACTORED CONCENTRATED LOADS (LBS)	
JT	LOC.
T	11-5-4
U	13-5-4
V	15-5-4
W	17-5-4
X	19-5-4
Y	21-5-4
Z	23-5-4
AA	25-5-4
AB	27-5-4
AC	29-5-4

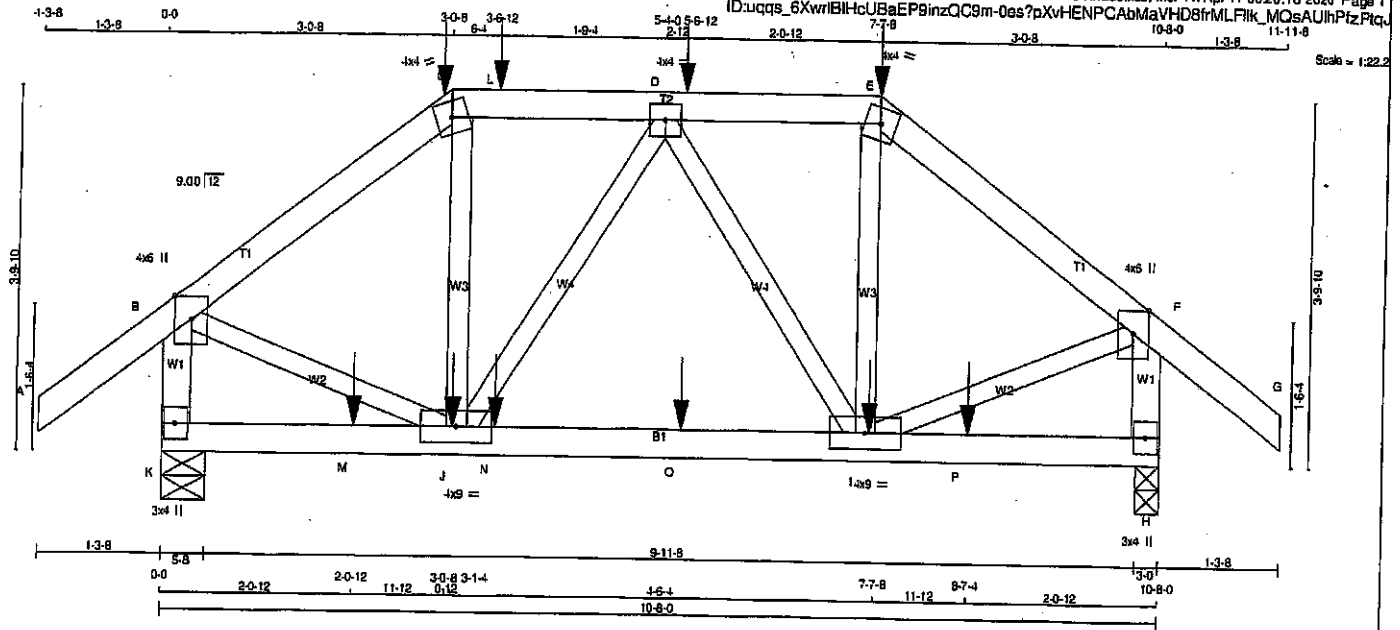
FACTORED CONCENTRATED LOADS (LBS)	
JT	LOC.
T	11-5-4
U	13-5-4
V	15-5-4
W	17-5-4
X	19-5-4
Y	21-5-4
Z	23-5-4
AA	25-5-4
AB	27-5-4
AC	29-5-4

FACTORED CONCENTRATED LOADS (LBS)	
JT	LOC.
T	11-5-4
U	13-5-4
V	15-5-4
W	17-5-4
X	19-5-4
Y	21-5-4
Z	23-5-4
AA	25-5-4
AB	27-5-4
AC	29-5-4



Structural component only
DWG# T-2006445

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	T36	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:26:18 2020 Page 1					
ID:uqqs_6XwriBIHcUBaEP9inzQC9m-0as?pXvHENPCaMaVHD8rMLFIk_MQsAUhPtzPtq					
10-8-0 11-11-8					
Scale = 1:22.2					



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
E - G	2x4	DRY	No.2	SPF		
G - I	2x4	DRY	No.2	SPF		
I - K	2x4	DRY	No.2	SPF		
K - M	2x4	DRY	No.2	SPF		
M - O	2x4	DRY	No.2	SPF		
O - P	2x4	DRY	No.2	SPF		
P - Q	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	8.0	Edge	
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	8.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMVWW-t	MT20	4.0	9.0		
J	BMVWW-t	MT20	4.0	9.0		
K	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UPLIFT	IN-SX
K	977	0	0	5-8
H	951	0	0	3-0

UNFACTORED REACTIONS

1ST LC CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	688	489	0	0	0	219	0
H	670	456	0	0	0	214	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX. UNBRACED	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLP)	CS1 (LC)	LENGTH	FR-TO	FR-TO	FORCE (LBS)	MAX CS1 (LC)
A-B	0	0	0	0	0	0	0	0
B-C	-759	-91.8	-91.8	0.14 (1)	10.00	J-C	0	0.03 (4)
C-D	-606	-91.8	-91.8	0.17 (1)	6.25	I-E	0	0.71
D-E	-606	-91.8	-91.8	0.09 (1)	6.25	B-J	0	0.648
E-F	-584	-91.8	-91.8	0.09 (1)	6.25	I-F	0	0.623
F-G	-730	-91.8	-91.8	0.09 (1)	6.25	J-D	-165	0
G-H	0	0	0	0	0	D-I	-207	0
H-I	-953	0	0	0	0			
I-J	-927	0	0	0	0			
J-K	0	-18.5	-18.5	0.08 (4)	10.00			
K-L	0	-18.5	-18.5	0.08 (4)	10.00			
L-M	0	-18.5	-18.5	0.17 (1)	10.00			
M-N	0	-18.5	-18.5	0.17 (1)	10.00			
N-O	0	-18.5	-18.5	0.17 (1)	10.00			
O-P	0	-18.5	-18.5	0.17 (1)	10.00			
P-Q	0	-18.5	-18.5	0.08 (4)	10.00			
Q-R	0	-18.5	-18.5	0.08 (4)	10.00			
R-S	0	-18.5	-18.5	0.08 (4)	10.00			
S-T	0	-18.5	-18.5	0.08 (4)	10.00			
T-U	0	-18.5	-18.5	0.08 (4)	10.00			
U-V	0	-18.5	-18.5	0.08 (4)	10.00			
V-W	0	-18.5	-18.5	0.08 (4)	10.00			
W-X	0	-18.5	-18.5	0.08 (4)	10.00			
X-Y	0	-18.5	-18.5	0.08 (4)	10.00			
Y-Z	0	-18.5	-18.5	0.08 (4)	10.00			
Z-AA	0	-18.5	-18.5	0.08 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	3-0-8	-162	-162	-	BACK	VERT	TOTAL	-	C1
D	5-6-12	-48	-48	-	BACK	VERT	TOTAL	-	C1
E	7-7-8	-162	-162	-	BACK	VERT	TOTAL	-	C1
F	7-6-12	-10	-10	-	BACK	VERT	TOTAL	-	C1
G	3-1-4	-10	-10	-	BACK	VERT	TOTAL	-	C1
H	3-8-12	-70	-70	-	BACK	VERT	TOTAL	-	C1
I	2-0-12	-10	-10	-	BACK	VERT	TOTAL	-	C1
J	3-8-12	-10	-10	-	BACK	VERT	TOTAL	-	C1
K	5-8-12	-10	-10	-	BACK	VERT	TOTAL	-	C1
L	8-7-4	-10	-10	-	BACK	VERT	TOTAL	-	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 49 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 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, 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 (0.36")
CALCULATED VERT. DEFL.(LL) = L/969 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/969 (0.02")

CS1: TC=0.17/1.00 (B-C:1), BC=0.17/1.00 (I-J:1), WB=0.16/1.00 (B-J:1), SS1=0.13/1.00 (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

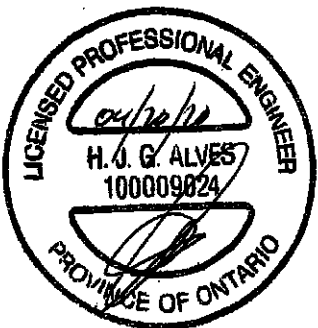
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354
	1667	788
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

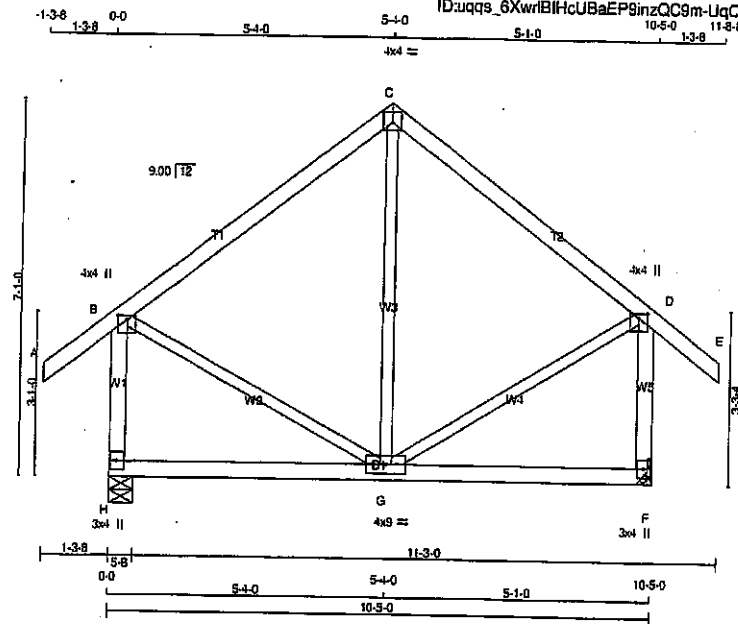
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.61 (B) (INPUT = 0.90)
JSI METAL = 0.41 (F) (INPUT = 1.00)

Structural component only
DWG# T-2006446



JOB NAME 408188	TRUSS NAME T37	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW+p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-t	MT20	4.0	9.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
H	701	0	701	0	0
F	701	0	701	0	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN.	COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
H	493	337.0	0.0	0.0	0.0	158.0	0.0	
F	493	337.0	0.0	0.0	0.0	158.0	0.0	

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO				FR-TO			
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	G-C	-133 41	0.11 (1)
B-C	-287.0	-91.8	-91.8 0.33 (1)	6.25	B-G	0 259	0.06 (1)
C-D	-287.0	-91.8	-91.8 0.30 (1)	6.25	G-D	0 256	0.09 (1)
D-E	0.38	-91.8	-91.8 0.12 (1)	10.00			
H-B	-665.0	0.0	0.0 0.11 (1)	7.81			
F-D	-665.0	0.0	0.0 0.12 (1)	7.81			
H-G	0 0	-18.5	-18.5 0.14 (4)	10.00			
G-F	0 0	-18.5	-18.5 0.14 (4)	10.00			

TOTAL WEIGHT = 51 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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSK: TC=0.33/1.00 (B-C:1), BC=0.14/1.00 (F-G:4),
WB=0.11/1.00 (G-G:1), SS=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

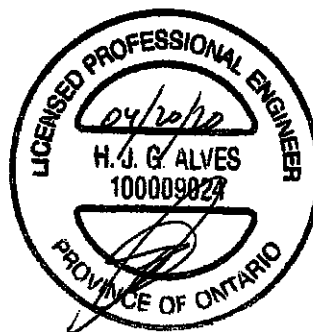
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.53 (B) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)



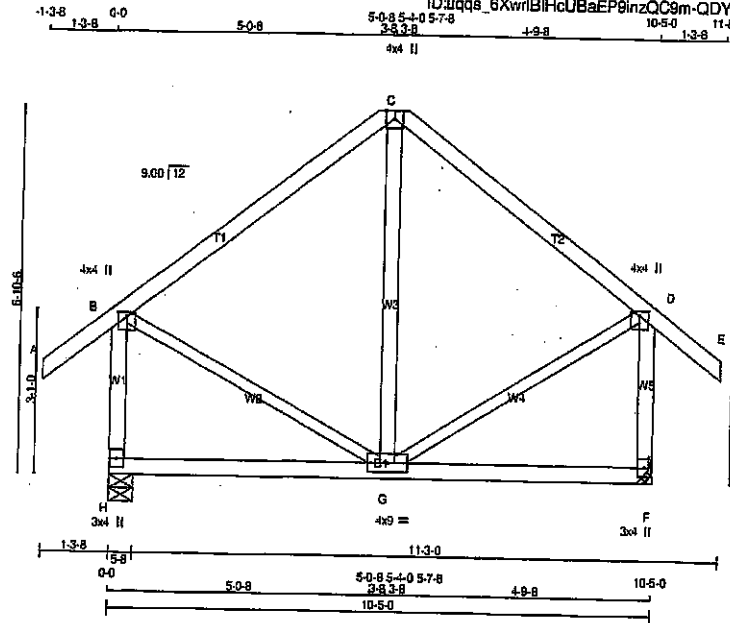
Structural component only
DWG# T-2006447

JOB NAME 408188	TRUSS NAME T37CP	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Rod Truss, Burlington

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ID:uqqa_6XwriBIHcUBaEP9inzQC9m-QDY7RZxAXInn1259APmHT_pxzmBkPISzL0_zPlqG

Scale = 1:39.9



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT TYPE	PLATES	W	LEN	Y	X
B - TMVW+p	MT20	4.0	4.0	1.00	2.00
C - TMTMW+p	MT20	4.0	4.0	Edge	
D - TMVW+p	MT20	4.0	4.0	1.00	2.00
F - BMV1+p	MT20	3.0	4.0		
G - BMWVW-1	MT20	4.0	9.0		
H - BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
H	701	0	701	0
F	701	0	701	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
H	493	337	0	0	0	156	0
F	493	337	0	0	0	156	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	FACTORED	FACTORED	WEBS	MAX. FACTORED	FACTORED	FACTORED	FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LOAD (LBS)	MAX (LBS)	MEMB.	FORCE (LBS)	MAX (LBS)	MAX (LBS)	MAX (LBS)
FR-TO		FROM	TO	CSI (LC)	FR-TO		FROM	TO	CSI (LC)
A-B	0 / 38	-91.8	-91.8	0.12 (1)	10.00	B-G	0 / 259	0.06 (1)	0.06 (1)
B-C	-287 / 0	-91.8	-91.8	0.33 (1)	6.25	G-D	0 / 266	0.06 (1)	0.06 (1)
C-D	-287 / 0	-91.8	-91.8	0.30 (1)	6.25	G-C	-133 / 41	0.08 (1)	0.08 (1)
D-E	0 / 38	-91.8	-91.8	0.12 (1)	10.00				
H-B	-662 / 0	0.0	0.0	0.11 (1)	7.81				
F-D	-665 / 0	0.0	0.0	0.12 (1)	7.81				
H-G	0 / 0	-18.5	-18.5	0.14 (4)	10.00				
G-F	0 / 0	-18.5	-18.5	0.14 (4)	10.00				

TOTAL WEIGHT = 53 lb (MT)

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, 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) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI: TO=0.33/1.00 (B-C:1), BC=0.14/1.00 (G-H:1), WB=0.08/1.00 (G-G:1), 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 HEELS OFF

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

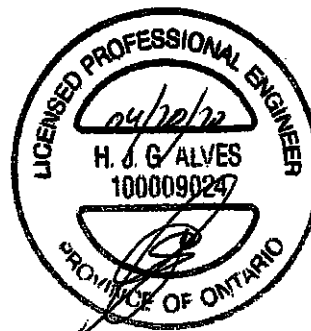
NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1657 768

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.53 (B) (INPUT = 0.50)
JSI METAL = 0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006448

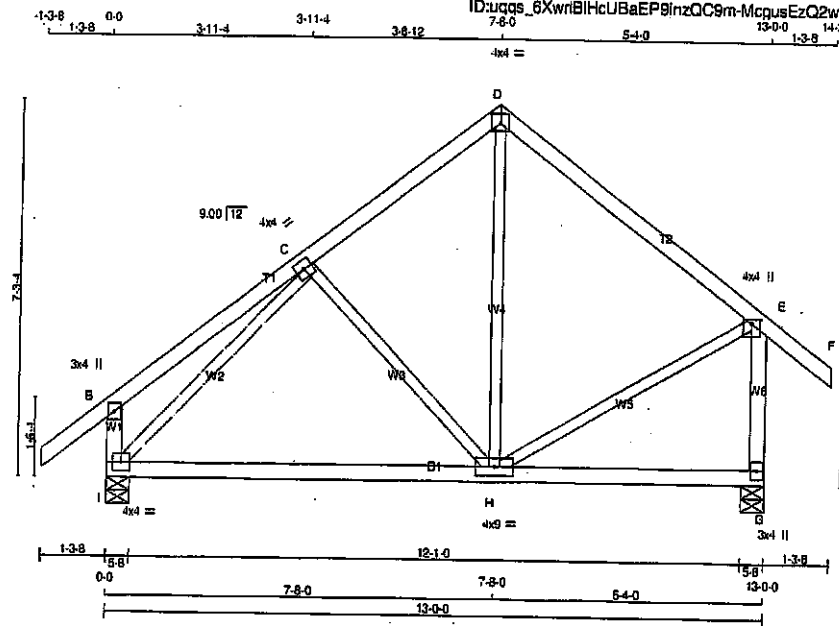
JOB NAME 408188	TRUSS NAME T39	QUANTITY 5	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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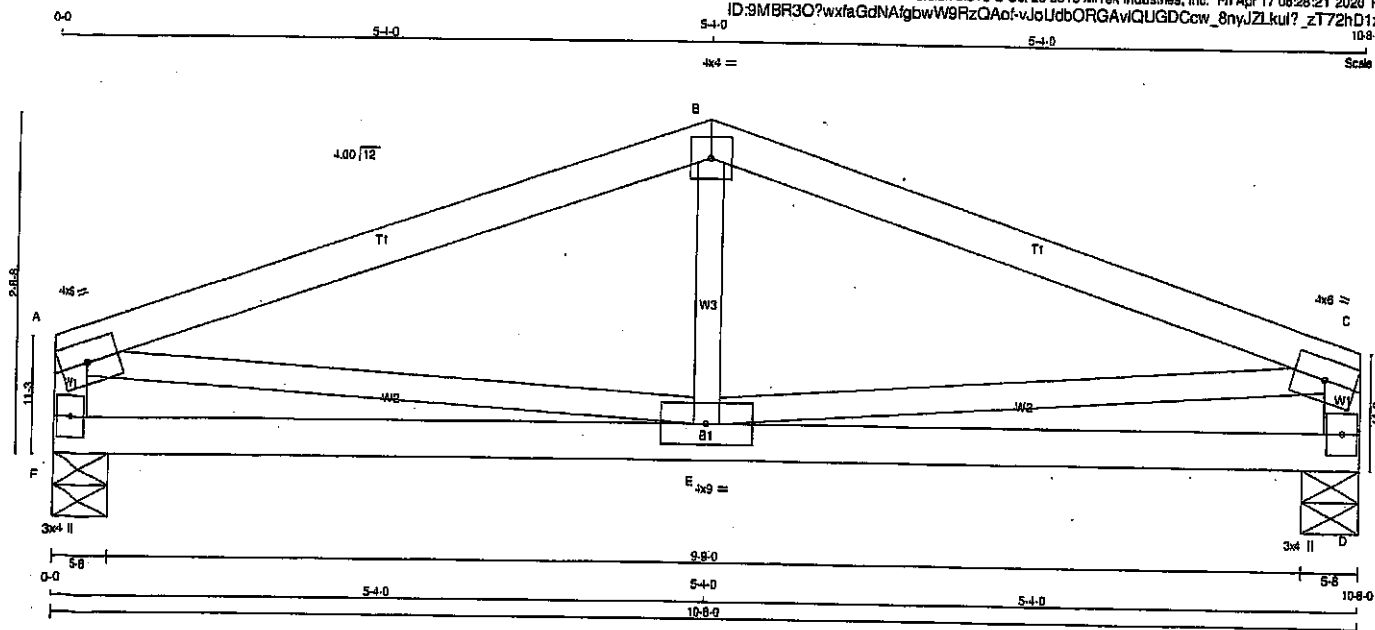
JOB NAME 408189	TRUSS NAME T51	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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10-8-0

Scale = 1:17.0



TOTAL WEIGHT = 36 lb

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW-t	MT20	4.0	6.0		
B	TTW-p	MT20	4.0	4.0		
C	TMW-t	MT20	4.0	6.0		
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HCRZ	DOWN	HCRZ
F	588	0	588	0
D	588	0	588	0

UNFACTORED REACTIONS

1ST LOSE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	416	273.0	0.0	0.0	0.0	143.0	0.0
D	416	273.0	0.0	0.0	0.0	143.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD LC1	MEMB.	FORCE
(LBS)	(PLF)	CSI (LC)	(LBS)	CSI (LC)
FR-TO	FROM TO	LENGTH FR-TO		
A-B	-708.0	-91.8 -91.8 0.34 (1)	E-B	-42.77 0.03 (4)
B-C	-708.0	-91.8 -91.8 0.34 (1)	A-E	0.876 0.15 (1)
F-A	-548.0	0.0 0.0 0.05 (1)	E-C	0.876 0.15 (1)
D-C	-548.0	0.0 0.0 0.05 (1)		
F-E	0.0	-18.5 -18.5 0.14 (4)		
E-D	0.0	-18.5 -18.5 0.14 (4)		

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

55 % OF 91.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI TC=0.34/1.00 (B-C:1), BC=0.14/1.00 (E-F:4),
WB=0.15/1.00 (A-E:1), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

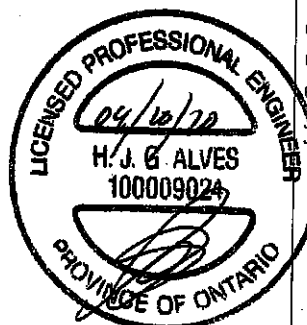
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

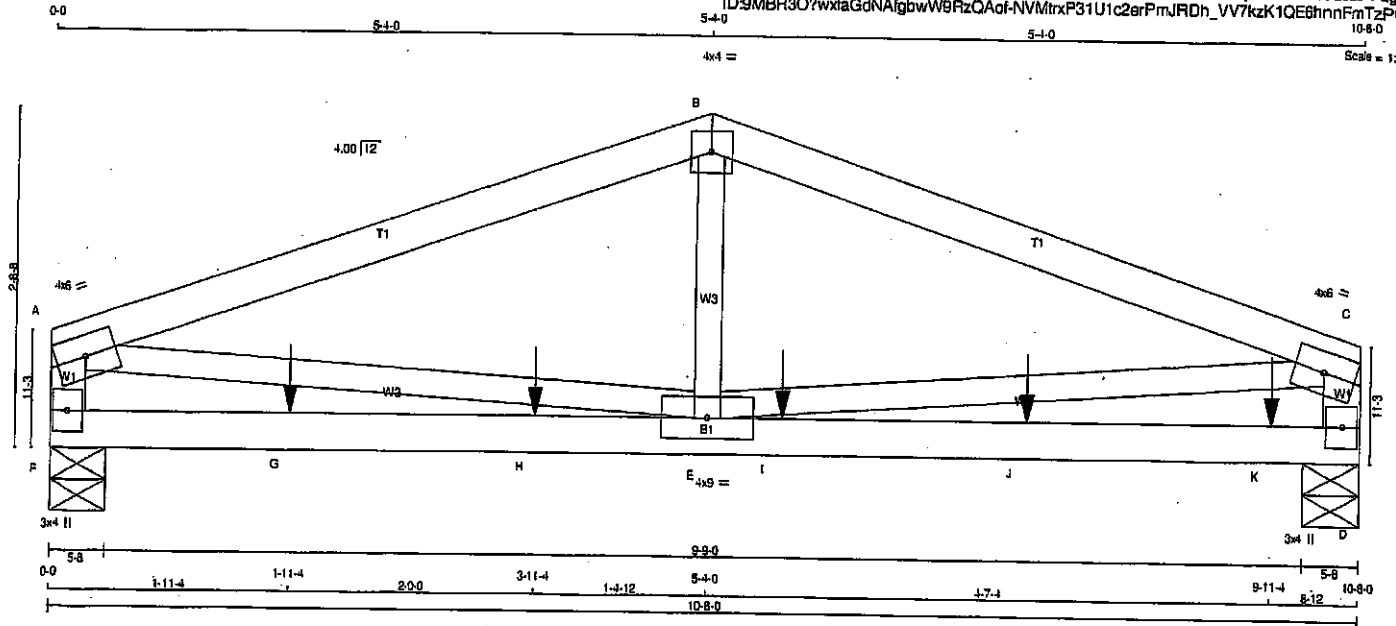
CSI GRIP= 0.39 (C) (INPUT = 0.90)
CSI METAL= 0.19 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006453

JOB NAME 408189	TRUSS NAME T51Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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10-8-0
Scale = 1:17.0



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

DRY: SEASONED LUMBER.

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

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

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	4.0	6.0		
B	TTW-p	MT20	4.0	4.0		
C	TMVW-I	MT20	4.0	6.0		
D	BMV1-p	MT20	3.0	4.0		
E	BMVWV-I	MT20	4.0	9.0		
F	BMV1-p	MT20	3.0	4.0		

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
F	1438	0	1438	0	0	5-8	5-8	
D	1912	0	1912	0	0	5-8	5-8	

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL
F	1010 703.0 0.0 0.0 0.0 307.0 0.0
D	1341 943.0 0.0 0.0 0.0 399.0 0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.49 FT.
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 (PLF)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO			
A-B	-2375.0	-91.8	-91.8	0.29 (1)	5.49	E-B	0.1013	0.13 (1)	
B-C	-2375.0	-91.8	-91.8	0.29 (1)	5.49	A-E	0.2269	0.28 (1)	
F-A	-1263.0	0.0	0.0	0.07 (1)	7.81	E-C	0.2269	0.28 (1)	
D-C	-1263.0	0.0	0.0	0.07 (1)	7.81				
F-G	0.0	-18.5	-18.5	0.58 (1)	10.00				
G-H	0.0	-18.5	-18.5	0.58 (1)	10.00				
H-E	0.0	-18.5	-18.5	0.58 (1)	10.00				
E-I	0.0	-18.5	-18.5	0.58 (1)	10.00				
I-J	0.0	-18.5	-18.5	0.58 (1)	10.00				
J-K	0.0	-18.5	-18.5	0.58 (1)	10.00				
K-D	0.0	-18.5	-18.5	0.58 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	-265	-265	---	TOP	VERT	TOTAL	---	C1
H	3-11-4	-387	-387	---	TOP	VERT	TOTAL	---	C1
I	5-11-4	-507	-507	---	FRONT	VERT	TOTAL	---	C1
J	7-11-4	-507	-507	---	FRONT	VERT	TOTAL	---	C1
K	9-11-4	-508	-508	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 36 = 72 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, 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 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/679 (0.19")

CSI: TC=0.29/1.00 (B-C:1), BC=0.58/1.00 (E-F:1), WB=0.28/1.00 (A-E:1), SS=0.42/1.00 (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.

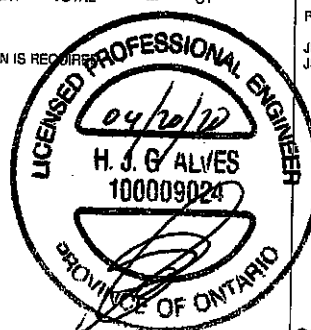
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.85 (C) (INPUT = 0.90)
JSI METAL=0.30 (A) (INPUT = 1.00)



Structural component only
DWG# T-2006454

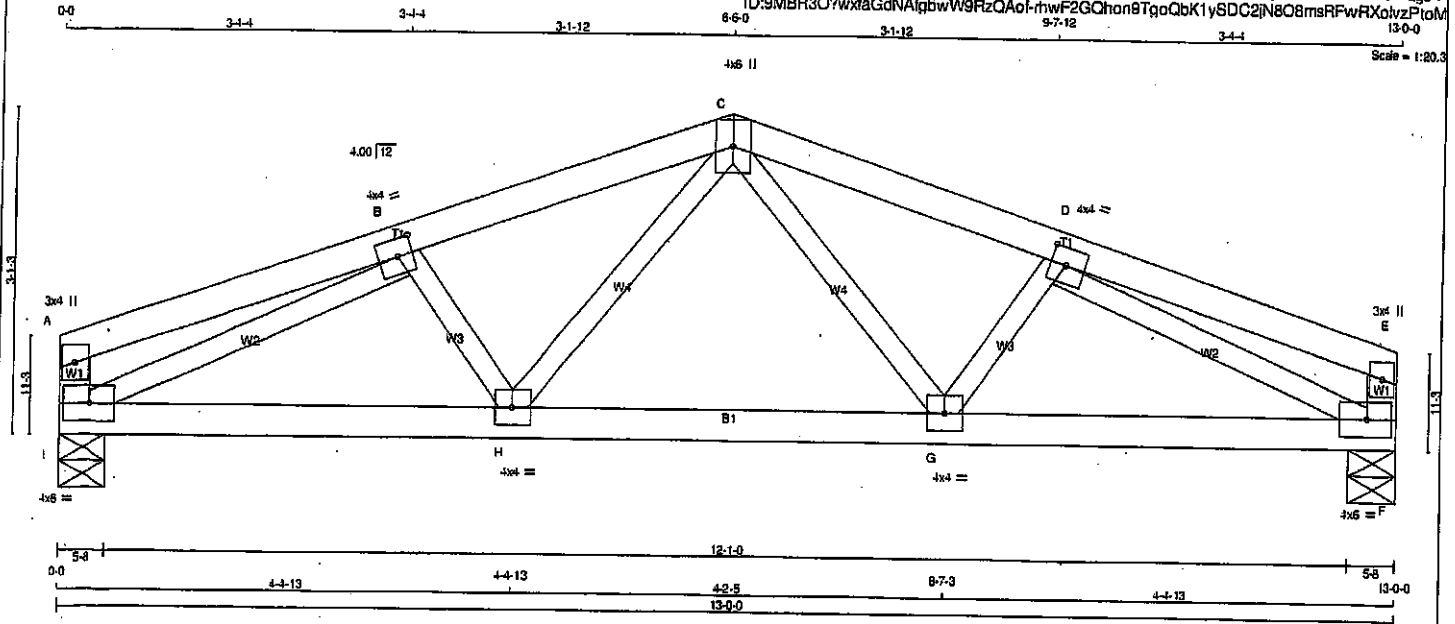
JOB NAME 408189	TRUSS NAME T53	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:9MBR3O7wfaGdNAIgbwW9RzQAof-rhwF2GQhon8TgoQbK1ySDC2IN8O8msRFwRXolnzPtoM

Scale = 1:20.3



TOTAL WEIGHT = 4 X 45 = 181 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

C - E 2x4 DRY No.2

F - A 2x4 DRY No.2

F - E 2x4 DRY No.2

I - F 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

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SPF

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SPF

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
I	717	0	717	0
F	717	0	717	0

UNFACTORED REACTIONS

	1ST LOASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
I	507	333.0	0.0	0.0	0.0	174.0	0.0	
F	507	333.0	0.0	0.0	0.0	174.0	0.0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.04 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				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	0.9	-91.8 -91.8 0.13 (1)	10.00	C-G	0.260	0.05 (1)	
B-C	-1042.0	-91.8 -91.8 0.11 (1)	8.04	G-D	-148.4	0.02 (1)	
C-D	-1042.0	-91.8 -91.8 0.11 (1)	8.04	H-C	0.260	0.08 (1)	
D-E	0.9	-91.8 -91.8 0.13 (1)	10.00	E-H	-148.4	0.02 (1)	
I-A	-122.0	0.0 0.0 0.01 (1)	7.81	I-B	-1198.0	0.28 (1)	
F-E	-122.0	0.0 0.0 0.01 (1)	7.81	D-F	-1198.0	0.28 (1)	
I-H	0.1061	-18.5 -18.5 0.22 (1)	10.00				
H-G	0.824	-18.5 -18.5 0.16 (1)	10.00				
G-F	0.1061	-18.5 -18.5 0.22 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. G/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.13/1.00 (D-E:1), BC=0.22/1.00 (F-G:1), WB=0.28/1.00 (D-F:1), SS=0.13/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

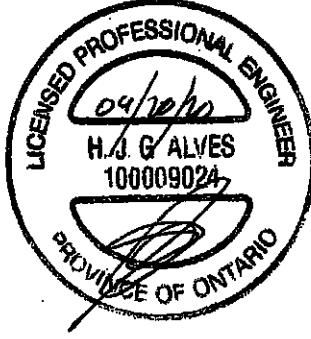
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

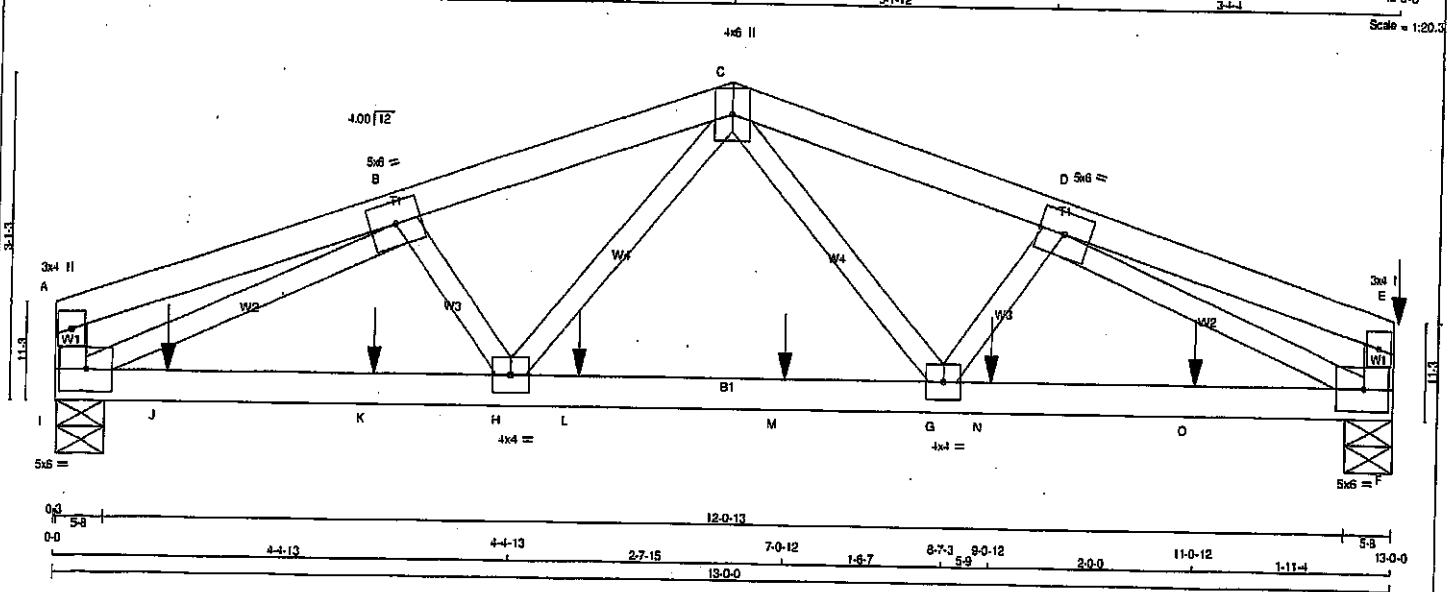
JSI GRIP = 0.79 (B) (INPUT = 0.90)
JSI METAL = 0.43 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006455

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408189	T53Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Fri Apr 17 08:28:25 2020 Page 1	

ID:9MBR3O?wxiaGdNAqbwW9RzQAof-o427TyRyKPPBv6Z_RS?wld73_yzUEJLYNI0vNozPtoK



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

DRY: SEASONED LUMBER.
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

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

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.
GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

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

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

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0			
B	TMVW-i	MT20	5.0	6.0			
C	TTWV+p	MT20	4.0	6.0			
D	TMVW-i	MT20	5.0	6.0			
E	TMV+p	MT20	3.0	4.0			
F	BMVW-i	MT20	5.0	6.0			
G	BMVW-i	MT20	4.0	4.0			
H	BMVW-i	MT20	4.0	4.0			
I	BMVW-i	MT20	5.0	6.0			

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

BEARINGS						
	FACTORED		MAXIMUM FACTORED		INPUT	REQRD
	GROSS REACTION		GROSS REACTION		BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
I	2267	0	2267	0	0	5-8
F	2267	0	2267	0	0	5-8

UNFACTORED REACTIONS							
1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	1590	1118 0	0 0	0 0	0 0	471 0	0 0
F	1588	1135 0	0 0	0 0	0 0	451 0	0 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	VERT. LOAD	LC1	MAX	MAX. FACTORED	WEBS	MAX. FACTORED	FORCE	MAX	MAX. FACTORED
MEMB.	FORCE	(PLF)	CSI (LC)	UNBRAC	LENGTH	MEMB.	FORCE	MAX	MAX. FACTORED	CSI (LC)
FR-TO						FR-TO				
A-B	0/3	-91.8	-91.8	0.08 (1)	10.00	C-G	0/956	0.12 (1)		
B-C	-3507/0	-91.8	-91.8	0.12 (1)	4.91	G-D	0/239	0.03 (1)		
C-D	-3247/0	-91.8	-91.8	0.11 (1)	5.07	H-C	0/1370	0.17 (1)		
D-E	0/4	-91.8	-91.8	0.08 (1)	10.00	B-H	0/286	0.04 (1)		
E-F	-140/0	0.0	0.0	0.01 (1)	7.81	I-B	-3580/0	0.45 (1)		
F-E	-559/0	0.0	0.0	0.03 (1)	7.81	D-F	-3329/0	0.42 (1)		
I-J	0/3168	-18.5	-18.5	0.88 (1)	10.00					
J-K	0/3168	-18.5	-18.5	0.88 (1)	10.00					
K-H	0/3168	-18.5	-18.5	0.88 (1)	10.00					
H-L	0/2503	-18.5	-18.5	0.82 (1)	10.00					
L-M	0/2503	-18.5	-18.5	0.82 (1)	10.00					
M-G	0/2503	-18.5	-18.5	0.82 (1)	10.00					
G-N	0/2846	-18.5	-18.5	0.50 (1)	10.00					
N-O	0/2846	-18.5	-18.5	0.50 (1)	10.00					
O-F	0/2846	-18.5	-18.5	0.50 (1)	10.00					

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	FACE	DR.	TYPE
E	13-0-0	-421	-421	---	TOP	VERT	TOTAL
J	1-0-12	-507	-507	---	FRONT	VERT	TOTAL
K	3-0-12	-507	-507	---	FRONT	VERT	TOTAL
L	5-0-12	-507	-507	---	FRONT	VERT	TOTAL
M	7-0-12	-507	-507	---	FRONT	VERT	TOTAL
N	9-0-12	-387	-387	---	TOP	VERT	TOTAL
O	11-0-12	-285	-285	---	TOP	VERT	TOTAL

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 = 38.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.12/1.00 (B-C:1), BC=0.88/1.00 (H-I:1), WB=0.45/1.00 (B-I:1), SB=0.30/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

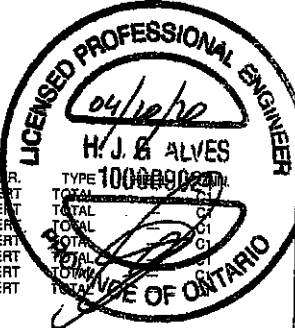
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

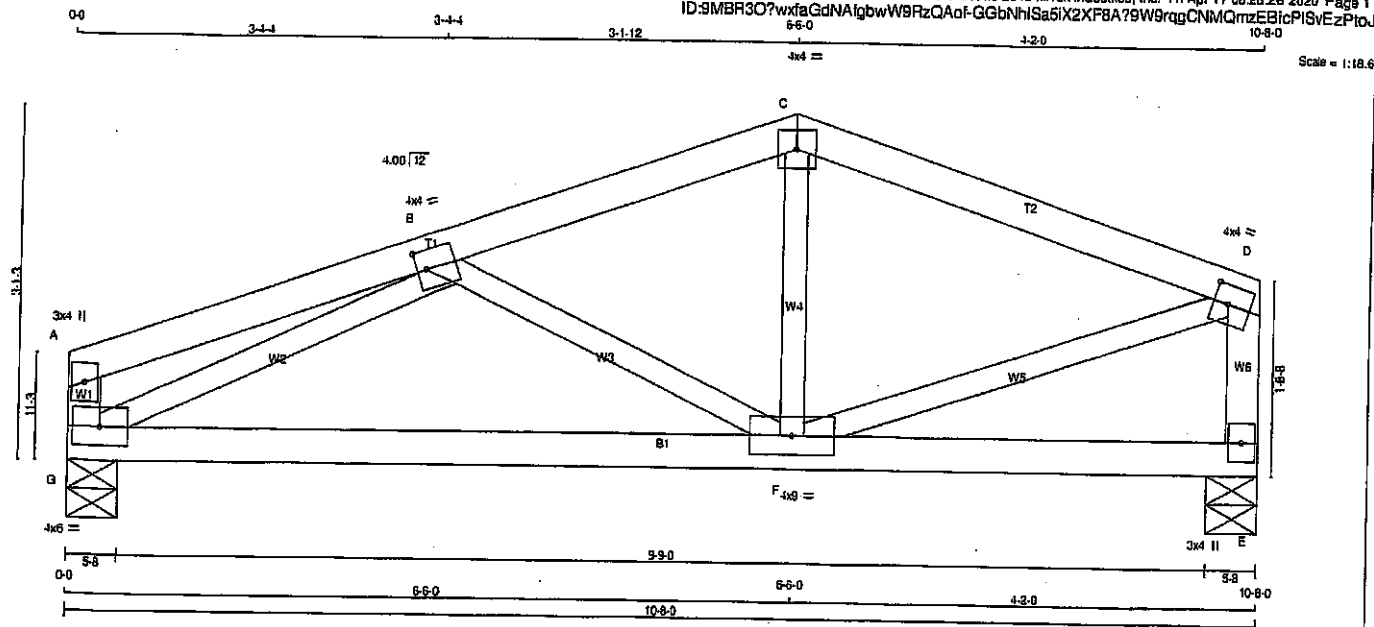
PLATE ROTATION TOL. = 5.0 Deg.

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

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408189	T55	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 5 Oct 2019 Mitek Industries, Inc. Fri Apr 17 08:26:26 2020 Page 1					
ID:3MBR3O?wxfaGdNAIgbwW9RzQAofGGbNhSa5IX2XF8A?9W9rqgCNMQmzEBicPISvEzPtoJ					



TOTAL WEIGHT = 38 lb
[MIF]

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV-p	MT20	3.0	4.0		
B	TMWW-I	MT20	4.0	4.0	2.00	1.00
C	TTW-p	MT20	4.0	4.0		
D	TMVW-I	MT20	4.0	4.0	2.00	1.50
E	BMV1-p	MT20	3.0	4.0		
F	BMVWW-I	MT20	4.0	9.0		
G	BMVW1-I	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		RECRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
E	588	0	588	0	0	5-8	5-8	5-8	5-8
G	588	0	588	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	416	273.0	0.0	0.0	0.0	0.0	143.0	0.0
G	416	273.0	0.0	0.0	0.0	0.0	143.0	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, 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)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH FR-TO
A-B	0 / 10	-91.8	10.00
B-C	-598 / 0	-91.8	6.25
C-D	-598 / 0	-91.8	6.25
G-A	-121 / 0	0.0	7.81
E-D	-555 / 0	0.0	7.81
G-F	0 / 793	-18.5	10.00
F-E	0 / 0	-18.5	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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 085-09, CSA 085-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.21/1.00 (C-D:1), BC=0.22/1.00 (F-G:4),
WB=0.22/1.00 (B-G:1), SSI=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (D) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

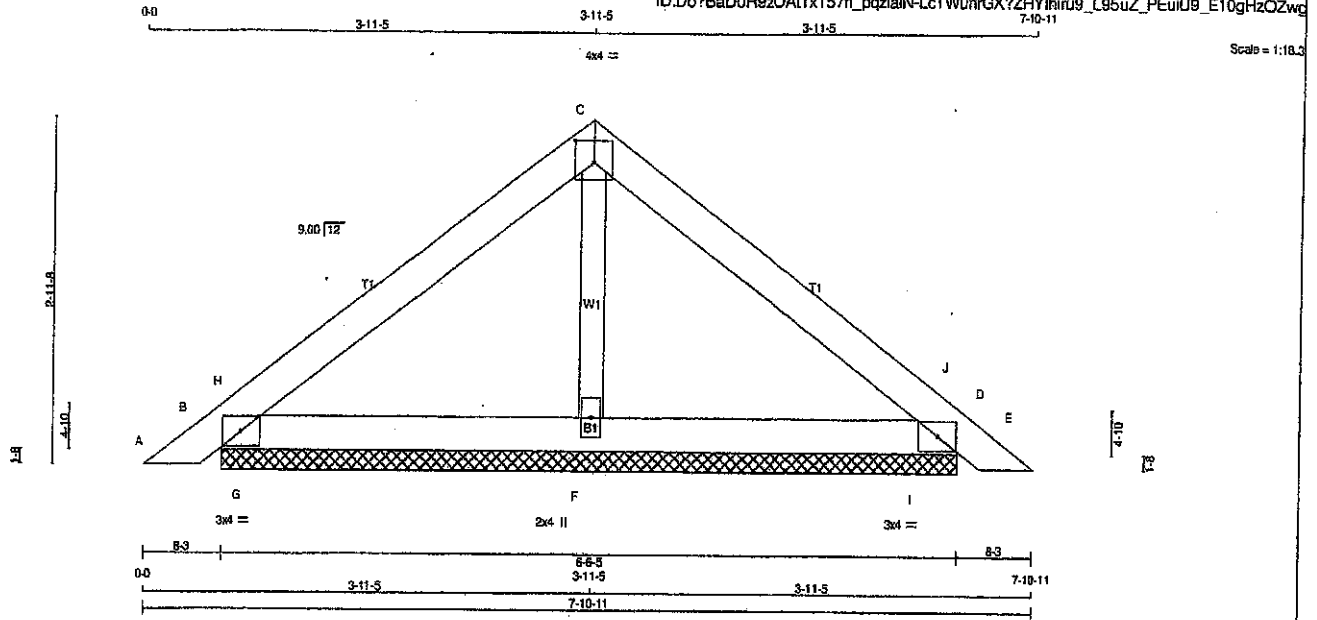


Structural component only
DWG# T-2006457

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	PB1	15	1	GREEN PARK HOMES	

Farmarack Roof Truss, Burlington

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TOTAL WEIGHT = 15 X 20 = 307 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
B - D	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
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		

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	JT DOWN	IN-SX	IN-SX
B 282	0	0	6-6-5
D 282	0	0	6-6-5
F 265	0	0	6-6-5

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
B 197	142 / 0 0 / 0 0 / 0 0 / 0 56 / 0 8 / 0
D 197	142 / 0 0 / 0 0 / 0 0 / 0 56 / 0 0 / 0
F 190	111 / 0 0 / 0 0 / 0 0 / 0 78 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D, 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 15	-91.8	-91.8 0.02 (1)	10.00	F-C	-118 / 0	0.02 (1)
B-H	-25 / 0	-91.8	-91.8 0.06 (1)	6.25	G-H	-295 / 0	0.00 (1)
H-C	-118 / 0	-91.8	-91.8 0.11 (1)	6.25	I-J	-295 / 0	0.00 (1)
C-J	-118 / 0	-91.8	-91.8 0.11 (1)	6.25			
J-D	-26 / 0	-91.8	-91.8 0.08 (1)	6.25			
D-E	0 / 15	-91.8	-91.8 0.02 (1)	10.00			
B-G	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
G-F	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
F-I	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
I-D	0 / 88	-18.5	-18.5 0.12 (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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

CS1: TC=0.11/1.00 (C-J:1), BC=0.12/1.00 (F-I:1), WB=0.02/1.00 (C-F:1), SS=0.22/1.00 (B-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

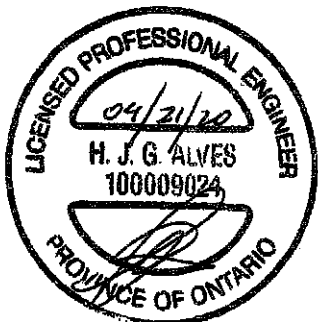
PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)
MT20	618	354
	1687	788
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.24 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)

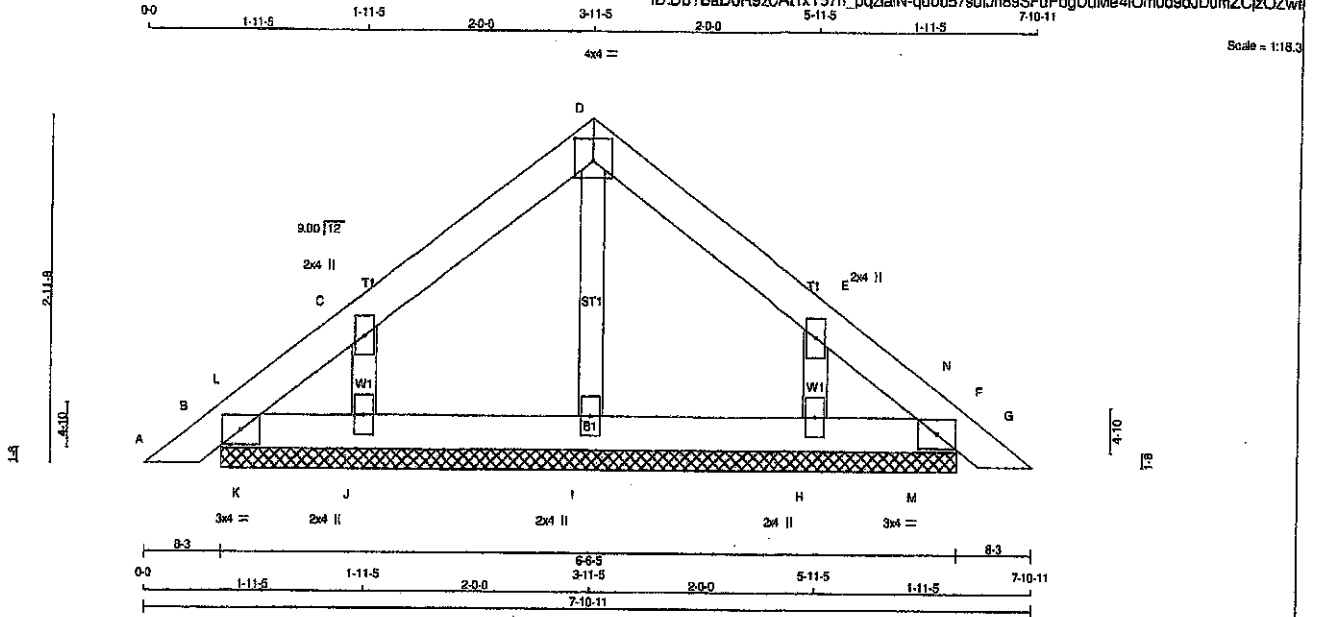
Structural component only
DWG# T-2006619



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408187	PB1G	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER TOTAL WEIGHT = 2 X 22 = 43 lb

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

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMB1-I	MT20	3.0	4.0		
C TMW+w	MT20	2.0	4.0		
D TTW-p	MT20	4.0	4.0	2.25	2.00
E TMW+w	MT20	2.0	4.0		
F TMB1-I	MT20	3.0	4.0		
H, I, J					
H BMW1+w	MT20	2.0	4.0		

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.
MEMB.	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)
FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO	FR-TO
A-B	0/15	-91.8	-91.8	0.02 (1)	10.00	1-D	-119/0	0.02 (1)						
B-L	-64/0	-91.8	-91.8	0.00 (1)	6.25	J-C	-186/0	0.03 (1)						
L-C	-27/0	-91.8	-91.8	0.05 (1)	6.25	H-E	-186/0	0.03 (1)						
C-D	-42/0	-91.8	-91.8	0.05 (1)	6.25	K-L	0/6	0.00 (1)						
D-E	-42/0	-91.8	-91.8	0.05 (1)	6.25	M-N	0/6	0.00 (1)						
E-N	-27/0	-91.8	-91.8	0.05 (1)	6.25									
N-F	-64/0	-91.8	-91.8	0.00 (1)	6.25									
F-G	0/15	-91.8	-91.8	0.02 (1)	10.00									
B-K	0/42	-18.5	-18.5	0.01 (1)	10.00									
K-J	0/42	-18.5	-18.5	0.01 (4)	10.00									
J-I	0/25	-18.5	-18.5	0.02 (4)	10.00									
I-H	0/25	-18.5	-18.5	0.02 (4)	10.00									
H-M	0/42	-18.5	-18.5	0.01 (4)	10.00									
M-F	0/42	-18.5	-18.5	0.01 (1)	10.00									

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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=0.05/1.00 (D-E:1), BC=0.02/1.00 (I-J:4), WB=0.03/1.00 (C-J:1), SS=0.07/1.00 (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)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.13 (E) (INPUT = 0.90)

JSI METAL= 0.10 (C) (INPUT = 1.00)

Structural component only
DWG# T-2006620

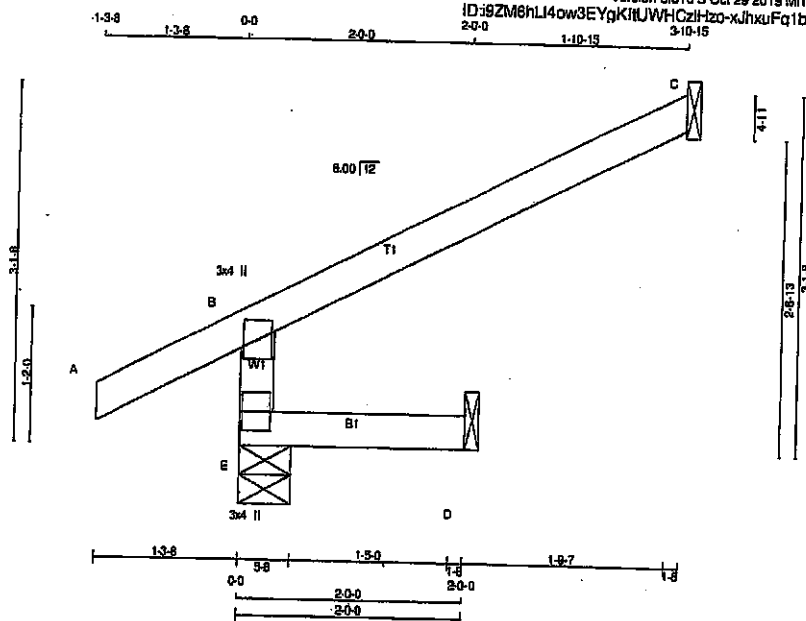


JOB NAME 408204	TRUSS NAME J2	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:9ZM6hL14ow3EYgK1UJWHCziH2o-xJhkuFq1bZ6Oq27hb1b5dbHsqYzHO7aNiXlw_7zPuOZ
3-10-15 3-10-15

Scale = 1:18.5



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	

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	RECD
E	389	0	389	0	0	5-8	5-8
C	135	0	135	0	0	1-8	1-8
D	16	0	16	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97781 H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	258	184/0	0/0	0/0	0/0	62/0	0/0
C	93	75/0	0/0	0/0	0/0	18/0	0/0
D	13	0/0	0/0	0/0	0/0	13/0	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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORIZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (LC2)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC2)
E-B		-349/0	0.0	0.0	0.01 (4)	7.81			
A-B		0/28	-91.8	-91.8	0.13 (5)	10.00			
B-C		-20/0	-91.8	-91.8	0.24 (1)	6.25			
E-D		0/0	-18.5	-18.5	0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 30 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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (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=0.24/1.00 (B-C:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (M/A:0), SSI=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1657 788	1987 1656

PLATE PLACEMENT TOL = 0.250 inches

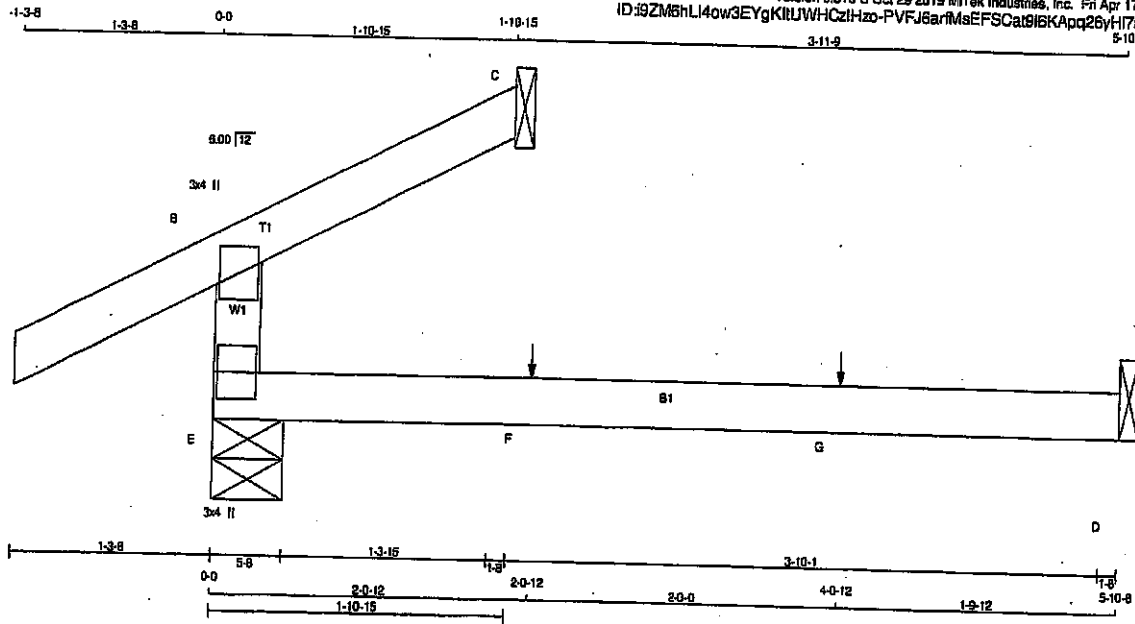
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.15 (E) (INPUT = 0.90)
JSI METAL= 0.10 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006371

JOB NAME 408204	TRUSS NAME J3	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



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		

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	REQD
E	297	0	297	0	0	5-8
C	88	0	88	0	0	1-8
D	45	0	50	0	0	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	212	130.0	0.0	0.0	0.0	82.0	0.0
C	48	37.0	0.0	0.0	0.0	9.0	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 = 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

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	FACTORED HORZ. LOAD (LC)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED HORZ. LOAD (LC)	UNBRACED LENGTH FR-TO
FR-TO						
E-B	-234.0	0.0	0.0	0.13 (4)	7.81	
A-B	0.29	-91.8	-91.8	0.12 (1)	10.00	
B-C	-10.0	-91.8	-91.8	0.08 (1)	10.00	
E-F	0.0	-18.5	-18.5	0.13 (4)	10.00	
F-G	0.0	-18.5	-18.5	0.13 (4)	10.00	
G-D	0.0	-18.5	-18.5	0.13 (4)	10.00	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	1	1	1	BACK	VERT	TOTAL	-	C1
G	4-0-12	1	1	1	BACK	VERT	TOTAL	-	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 3 X 12 = 36 LBS

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

(65 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 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=0.13/1.00 (B-E/4), SC=0.13/1.00 (D-E/4), WB=0.00/1.00 (n/a/0), SSI=0.08/1.00 (A-B/1)

DOL LUMBER=0.99 NAIL=0.99 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

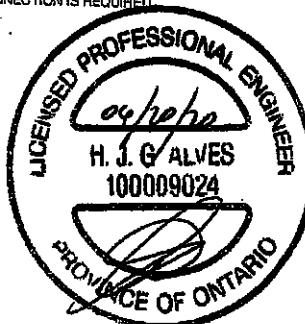
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

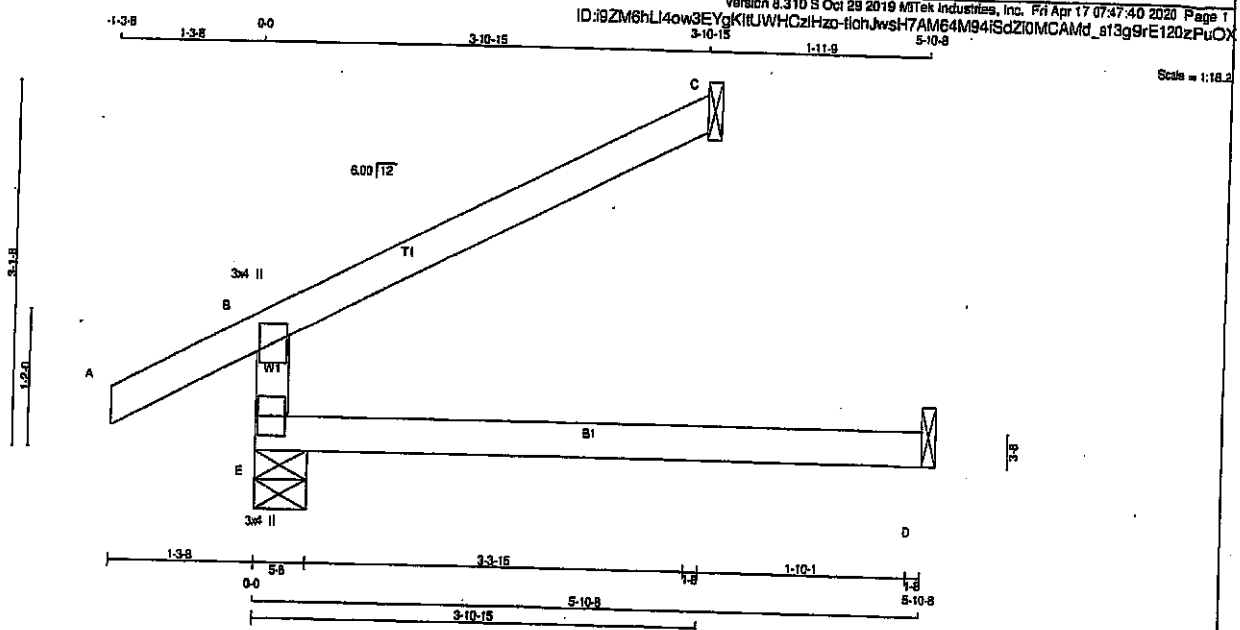
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2006372

JOB NAME 408204	TRUSS NAME J4	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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 in inches)

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		RECORD BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX
E	412	0	412	0	0	5-8	5-8	
C	135	0	135	0	0	1-8	1-8	
D	45	0	50	0	0	1-8	1-8	

SEE MITEK 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	291	194 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0
C	93	75 / 0	0 / 0	0 / 0	0 / 0	18 / 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				WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. UNIFRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
E-B	-349 / 0	0.0	0.0	0.13 (4)			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-20 / 0	-91.8	-91.8	0.24 (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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, 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")

CS: TC=0.24/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (W:0), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

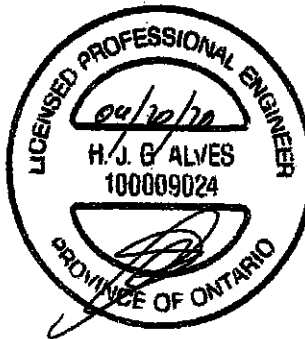
NAIL VALUES

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

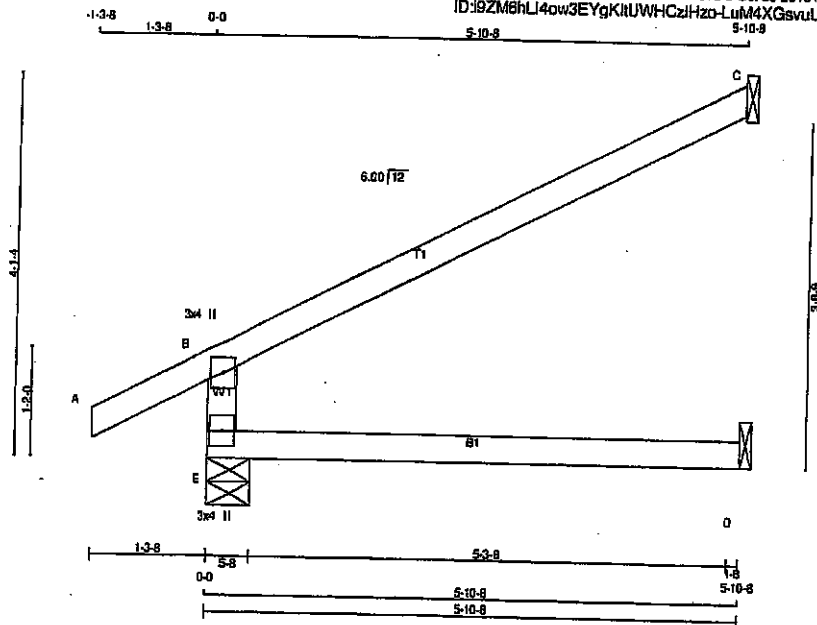
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.15 (E) (INPUT = 0.90)
JSI METAL = 0.10 (B) (INPUT = 1.00)



JOB NAME 408204	TRUSS NAME J5	QUANTITY 9	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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	

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	HORZ	UPLIFT	IN-SX
E	525	0	325	0	5-8
C	202	0	202	0	1-8
D	45	0	50	0	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	SNOW	MAX/MIN. LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	369	257.0	0.0	0.0	0.0	111.0	0.0
C	139	113.0	0.0	0.0	0.0	26.0	0.0
D	36	0.0	0.0	0.0	0.0	35.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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.	FORCE (LBS)	VERT. LOAD (PL)	MAX. LC1 (LC)	MEMB.	FORCE (LBS)
FR-TO				LENGTH 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 = 9 X 17 = 151 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN/OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPC 2011, 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 25.8 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")

CS: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

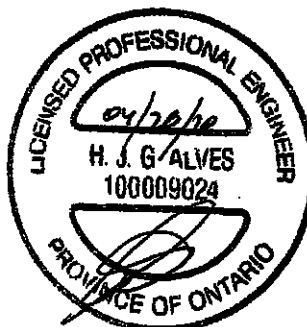
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX	MIN	MAX
MT20	518	354
	1657	788
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

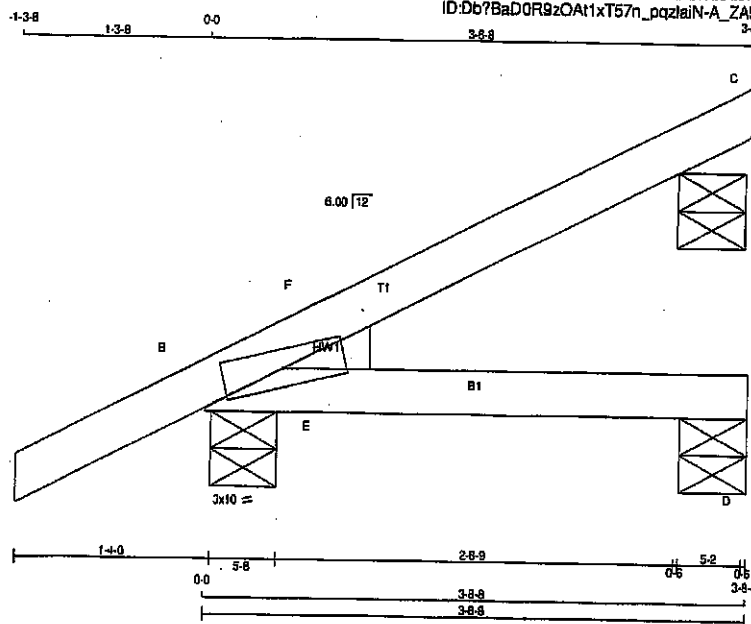
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.19 (E) (INPUT = 0.80)
JSI METAL = 0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006374

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	J6	7	1	GREEN PARK HOMES	
Tamarack Road Truss, Burlington					
TRUSS DESC.					



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Scale = 1:14.2

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TM8H1-MT20	3.0	10.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL
	VERT	HORZ	DOWN	HORZ	UPLIFT
JT					
C	142	0	142	0	0
B	329	0	329	0	0
D	62	0	62	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	99	76.0	0.0	0.0	0.0	23.0	0.0
B	230	184.0	0.0	0.0	0.0	66.0	0.0
D	45	19.0	0.0	0.0	0.0	27.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. CSI (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO					FR-TO		
A-B	0.26	-91.8	-91.8 0.13 (5)	10.00	E-F	-123.3	0.00 (1)
B-F	-17.0	-91.8	-91.8 0.05 (4)	6.25			
F-C	0.5	-91.8	-91.8 0.15 (1)	10.00			
B-E	0.0	-18.5	-18.5 0.14 (1)	10.00			
E-D	0.0	-18.5	-18.5 0.14 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 7 X 11 = 80 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.CC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(56 % 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: TC=0.15/1.00 (C-F:1), BC=0.14/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.10/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

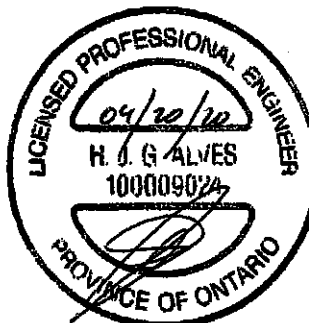
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	818	354 1667 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.09 (B) (INPUT = 0.90)
JSI METAL = 0.02 (B) (INPUT = 1.00)



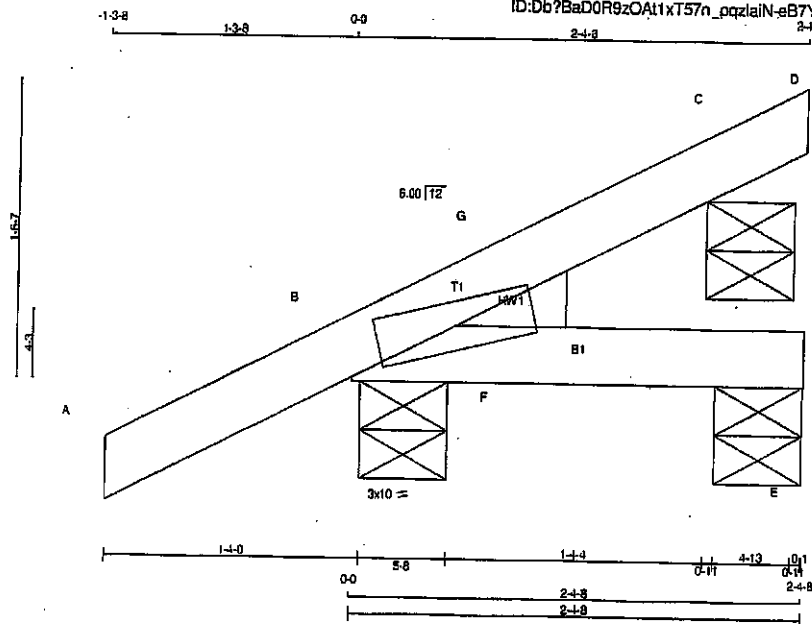
Structural component only
DWG# T-2006421

JOB NAME 408187	TRUSS NAME J7	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRAWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:11.0



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE PLATES W LEN Y X
B TMBH1-m M720 3.0 10.0

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL
B	244 0	244 0	5-8	5-8	2x4 L
E	36 0	36 0	5-8	5-8	
C	112 0	112 0	5-8	5-8	

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JTS: C

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
B	170 124.0 0.0 0.0 0.0 46.0 0.0
E	27 11.0 0.0 0.0 0.0 16.0 0.0
C	78 59.0 0.0 0.0 0.0 19.0 0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO						
A-B	0.26	-91.8	-91.8 0.12 (5)	10.00		
B-G	-16.0	-91.8	-91.8 0.04 (1)	8.25		
G-C	0.10	-91.8	-91.8 0.05 (1)	10.00		
C-D	-7.0	-91.8	-91.8 0.01 (1)	10.00		
B-F	0.0	-18.5	-18.5 0.05 (1)	10.00		
F-E	0.0	-18.5	-18.5 0.05 (1)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.12/1.00 (A-B-S), BC=0.05/1.00 (E-F-I),
WB=0.00/1.00 (F-G-I), SSI=0.09/1.00 (A-B-S)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

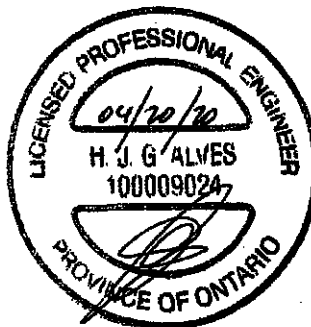
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
M720 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.05 (B) (INPUT = 0.90)
JSI METAL= 0.01 (B) (INPUT = 1.00)

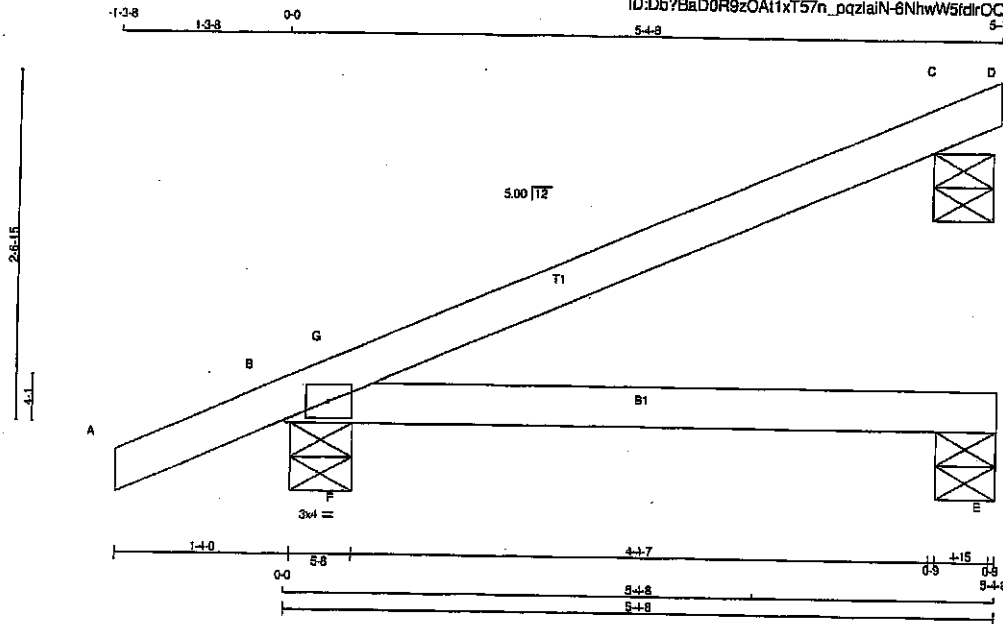


Structural component only
DWG# T-2006422

JOB NAME 408187	TRUSS NAME J8	QUANTITY 7	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:15.7



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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-1	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	HORZ	DOWN	HORZ
B	409	0	409	0
E	76	0	76	0
C	237	0	237	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE			
B	287	200.0	0.0	0.0	0.0	0.0
E	57	19.0	0.0	0.0	0.0	0.0
C	184	128.0	0.0	0.0	0.0	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, 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 (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH FR-TO	FORCE (LBS)
A-B	0.23	-91.8	-91.8 0.12 (1)	10.00
B-C	-25.22	-91.8	-91.8 0.06 (4)	8.25
C-D	-2.2	-91.8	-91.8 0.32 (1)	10.00
D-E	-6.0	-91.8	-91.8 0.01 (1)	10.00
B-F	0.0	-18.5	-18.5 0.20 (1)	10.00
F-E	0.0	-18.5	-18.5 0.21 (1)	10.00

TOTAL WEIGHT = 7 X 15 = 102 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 2010, NBC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/709 (0.09")

CSI: TC=0.32/1.00 (C-G:1), BC=0.21/1.00 (E-F:1),
WB=0.00/1.00 (F-G:1), SSI=0.24/1.00 (B-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

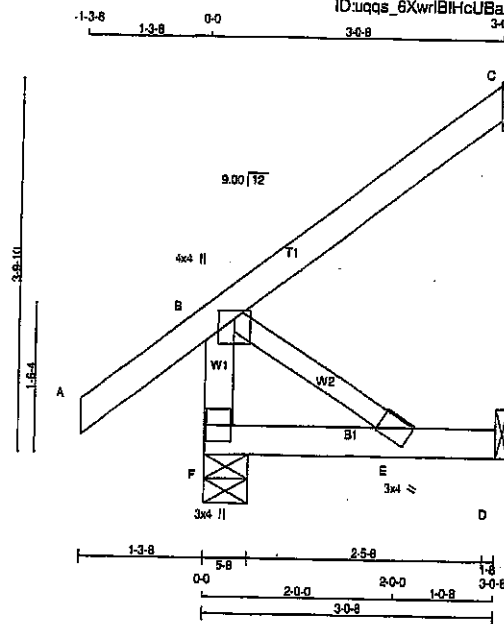
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.30)
JSI METAL= 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006423

JOB NAME 408188	TRUSS NAME J30	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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ID:uqqs_6XwriBIHcUBaEP9inzQC9m-u8a455i7/Om26bs4E2U5d5K7xWLVWRWxBz5VSzPiqW

Scale = 1/21.6

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

PLATES (tablets in inches)				
JT TYPE	PLATES	W	LEN	X
B TMVW+p	MT20	4.0	4.0	1.00 2.00
E BMVW+p	MT20	3.0	4.0	
F BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
JT	GROSS REACTION	GROSS REACTION	GROSS REACTION	BRG	BRG
F	VERT	DOWN	DOWN	IN-SX	IN-SX
F	294	0	294	0	5-8
C	140	0	140	0	1-8
D	28	0	32	0	1-8

SEE MITEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	MIN. COMPONENT	PERM. LIVE	WIND	DEAD	SOIL
F	COMBINED						
F	208	148	0	0	0	57	0
C	96	78	0	0	0	18	0
D	23	0	0	0	0	23	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: (5)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO	FROM TO	FR-TO	FROM TO
F-B	-265 0	B-E	0 0
A-B	0 39		
B-C	0 0		
F-E	0 0		
E-D	0 0		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 13 = 52 lb (M)

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.14/1.00 (B-C:1), BC=0.05/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

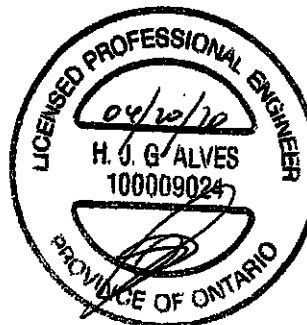
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)

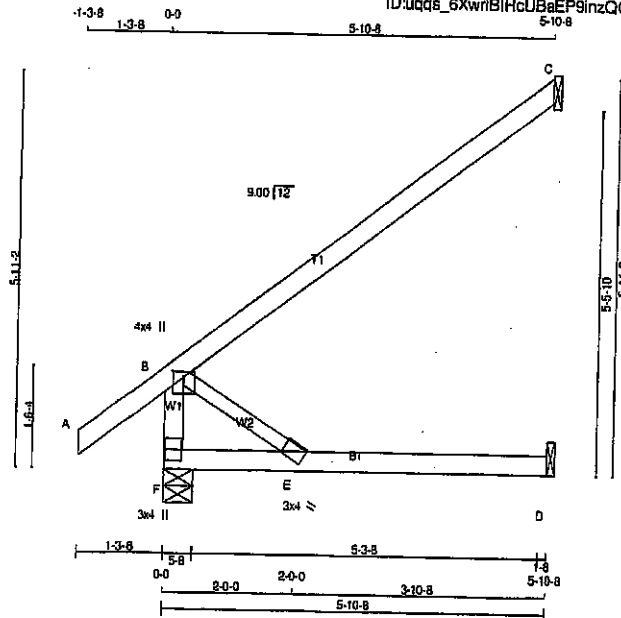


Structural component only
DWG# T-2006435

JOB NAME 408188	TRUSS NAME J31	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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LUMBER

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

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
E	BMVW+w	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQD	
JT	GROSS REACTION	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	BRG
F	450	0	0	450	0	0	5-8	5-8
C	270	0	0	270	0	0	1-8	1-8
D	54	0	0	61	0	0	1-8	1-8

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	316	221.0	0.0	0.0	0.0	95.0	0.0
C	186	150.0	0.0	0.0	0.0	35.0	0.0
D	43	0.0	0.0	0.0	0.0	43.0	0.0

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

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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 MAX (LBS)	MAX. MEMB. FORCE (LBS)	MEMB. FORCE (LBS)	MAX. MEMB. FORCE (LBS)	CS1 (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
F-B	-398.0	0.0	0.0	0.04 (1)	7.81	0.0	0.00 (1)
A-B	0.38	-91.8	-91.8	0.12 (1)	10.00		
B-C	0.0	-91.8	-91.8	0.54 (1)	10.00		
F-E	0.0	-18.5	-18.5	0.17 (4)	10.00		
E-D	0.0	-18.5	-18.5	0.19 (4)	10.00		

TOTAL WEIGHT = 4 X 20 = 81 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.54/1.00 (B-C:1), BC=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

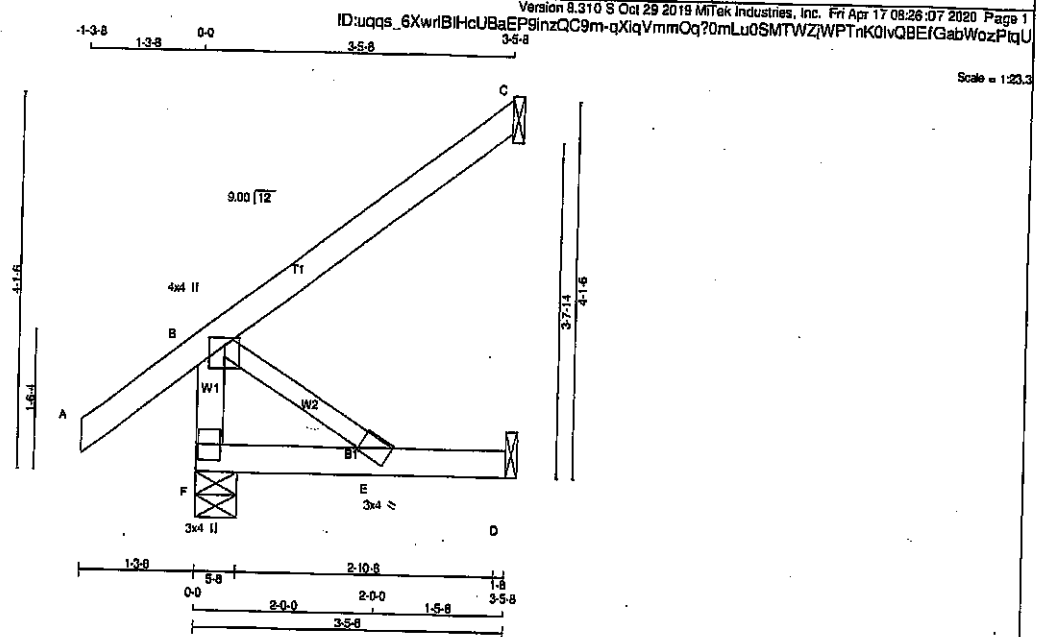
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006436

JOB NAME 408188	TRUSS NAME J32	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
F - B	2x4	DRY	SPF
A - C	2x4	DRY	SPF
F - D	2x4	DRY	SPF
ALL WEBS	2x3	DRY	SPF
DRY: SEASONED LUMBER.		No.2	

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
TMVW+p	MT20	4.0	4.0	1.00	2.00
BMVW+p	MT20	3.0	4.0		
BMVW+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECRD BRG
JT	VERT	DOWN	HORIZ	UPLIFT
F	317	0	0	0
C	159	0	0	0
D	32	0	0	0

SEE MITEK STANDARD DETAIL B97731H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN.	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	222	159	0	0	0	0	0	0
C	109	88	0	0	0	0	0	0
D	28	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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CS1 (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM	TO		FR-TO		
F-B	-285	0	0	0.03 (1)	7.81	0	0.00 (1)
A-B	0	-91.8	-91.8	0.14 (5)	10.00		
B-C	0	-91.8	-91.8	0.19 (1)	10.00		
F-E	0	-18.5	-18.5	0.06 (4)	10.00		
E-D	0	-18.5	-18.5	0.06 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 14 = 56 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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, 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 (0.01')

CS: TC=0.19/1.00 (B-C:1), BC=0.06/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.10/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PL)	SECTION (PL)
	(PSI)	(PL)	(PL)
MT20	818	354	1867
	818	354	1867

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (B) (INPUT = 0.30)
JSI METAL= 0.06 (B) (INPUT = 1.00)

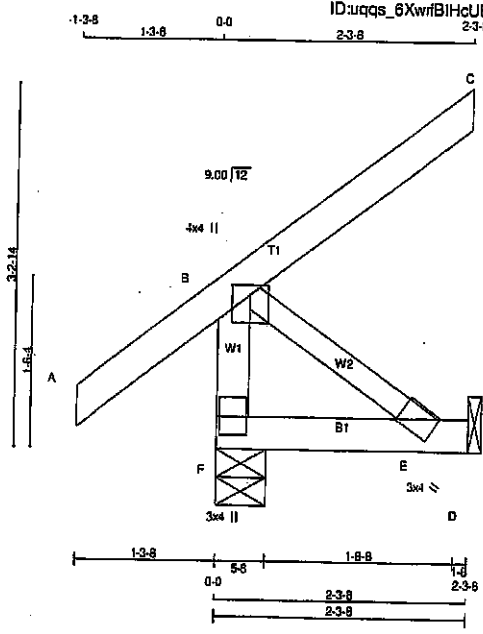


Structural component only
DWG# T-2008437

JOB NAME 408188	TRUSS NAME J33	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamereck Roof Truss, Burlington

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Scale = 1:19.0

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMVW+w	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS							
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG			
F	VERT 366	DOWN 366	5-8	5-8	IN-SX	IN-SX	
D	HORZ 21	HORZ 0	1-8	1-8	IN-SX	IN-SX	

SEE MITEK STANDARD DETAIL B97791 H FOR CONNECTION TO JOINT(S) D

UNFACTORED REACTIONS							
JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	COMBINED	192.0	0.0	0.0	0.0	62.0	0.0
D		0.0	0.0	0.0	0.0	17.0	0.0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 MAX (CSI (LC))	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LC1 MAX (CSI (LC))	
FR-TO		FROM TO					
F-B	-345 / 0	0.0	0.0 0.04 (1)	7.81	B-E	0.0	0.00 (1)
A-B	0 / 38	-91.8	-91.8 0.13 (5)	10.00			
B-C	-65 / 0	-91.8	-91.8 0.36 (1)	6.25			
F-E	0 / 0	-18.5	-18.5 0.03 (4)	10.00			
E-D	0 / 0	-18.5	-18.5 0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 11.1b

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, 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=0.36/1.00 (B-C:1), BC=0.03/1.00 (E-F:4), WS=0.00/1.00 (B-E:1), SS=0.14/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

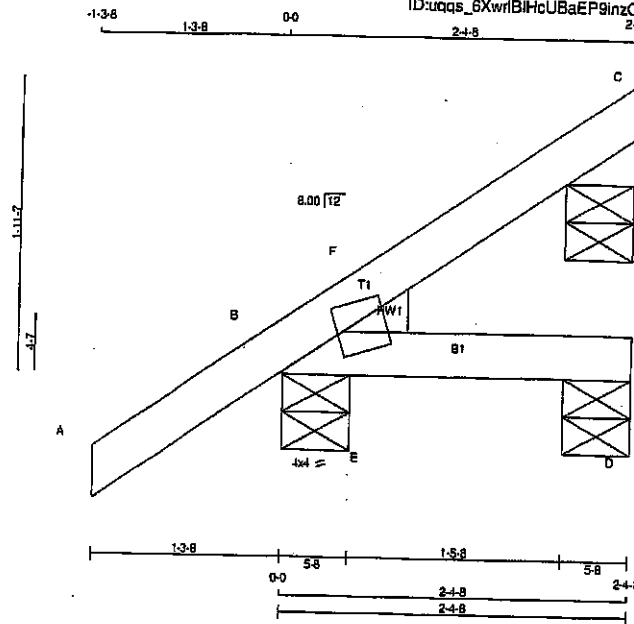
JSI GRIP = 0.27 (B) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)



JOB NAME 408188	TRUSS NAME J34	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Rod Truss, Burlington					

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Scale = 1:14.2



LUMBER

N. L. G. A. RULES

CHORDS

A - C

B - D

SIZE

2x4

2x4

DRY

DRY

LUMBER

No.2

No.2

DESCR.

SPF

SPF

DRY, SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TM8H1-M	MT20	4.0	4.0	2.00 0.50

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG	HEEL
	VERT	HORZ	DOWN	HORZ			
C	89	0	89	0	5-8	5-8	WEDGE
B	257	0	257	0	5-8	5-8	
D	42	0	42	0	5-8	5-8	2x4 L

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

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	82	47.0	0.0	0.0	0.0	14.0	0.0
B	179	131.0	0.0	0.0	0.0	48.0	0.0
D	31	13.0	0.0	0.0	0.0	18.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)
FR-TO				
A-B	0.34	-91.8	-91.8	0.13 (5)
B-F	-15.0	-91.8	-91.8	0.02 (1)
F-C	0.5	-91.8	-91.8	0.06 (1)
B-E	0.0	-18.5	-18.5	0.06 (1)
E-D	0.0	-18.5	-18.5	0.06 (1)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 6 X 8 = 51 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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSK: TC=0.13/1.00 (A-B-5), BC=0.06/1.00 (B-E-1), WB=0.00/1.00 (E-F-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.

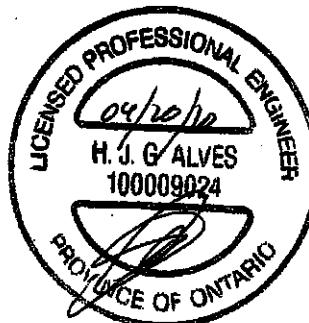
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.16 (B) (INPUT = 0.80)
JSI METAL= 0.04 (B) (INPUT = 1.00)



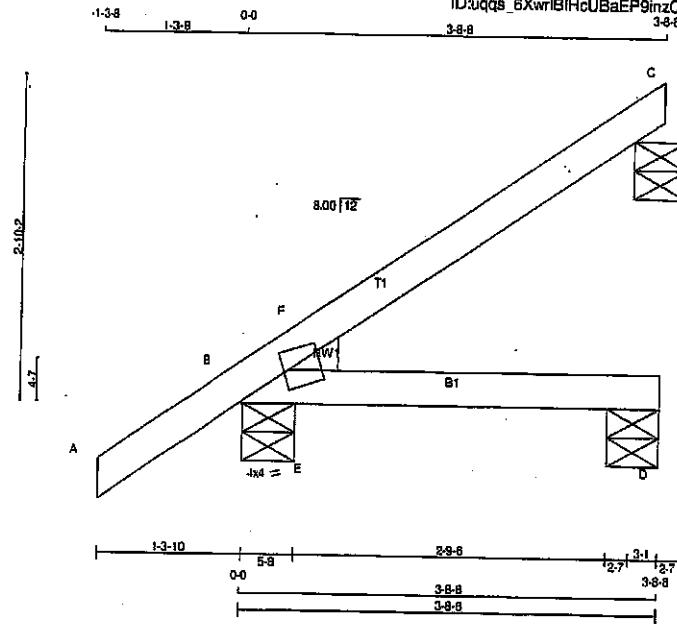
Structural component only
DWG# T-2008439

JOB NAME 408188	TRUSS NAME J35	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:uqqs_6XwriBIHcUBaEP9inzQC9m-ixLL8quiEXCqWKEbJbVtMa8HxMZrEBqZuYpIzPiqC

Scale = 1:18.6



LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

B - D 2x4 DRY No.2

DRY, SEASONED LUMBER.

LUMBER

No.2

DESCR.

SPF

SPF

PLATES (table is in inches)

JT TYPE PLATES

B TMBH1-m MT20

W LEN Y X

4.0 4.0 2.00 0.50

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

BUILDING DESIGNER

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	REQD	HEEL
C	144	0	144	0	0	5-8 (3-1)	5-8	WEDGE
B	330	0	330	0	0	5-8	5-8	2x4 L
D	61	0	61	0	0	5-8	5-8	

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	99	77.0	0.0	0.0	0.0	0.0	22.0	0.0
B	231	165.0	0.0	0.0	0.0	0.0	66.0	0.0
D	45	18.0	0.0	0.0	0.0	0.0	27.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO		FROM TO			FR-TO		
A-B	0.734	-91.8 -91.8	0.14 (5)	10.00	E-F	-155.0	0.00 (1)
B-F	-16.0	-91.8 -91.8	0.04 (4)	6.25			
F-C	0.3	-91.8 -91.8	0.15 (1)	10.00			
B-E	0.0	-18.5 -18.5	0.14 (1)	10.00			
E-D	0.0	-18.5 -18.5	0.14 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 12 = 47 lb

(M)

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, 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 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CS: TC=0.15/1.00 (C-F:1), BC=0.14/1.00 (B-E:1),
WB=0.00/1.00 (E-F:1), SS=0.13/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

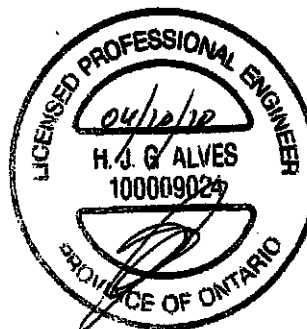
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

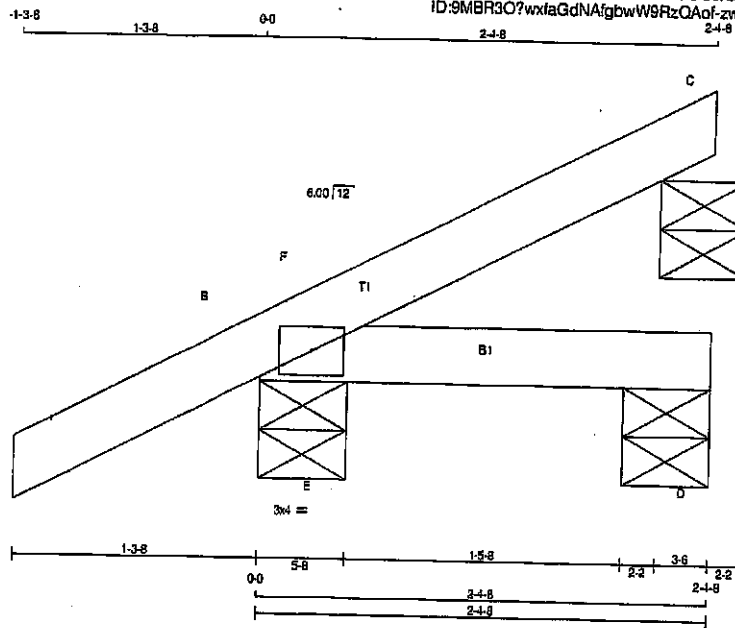
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006440

JOB NAME 408189	TRUSS NAME J51	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER
N. L. G. A. RULES
CHORDS SIZE DRY LUMBER
A - C 2x4 DRY No.2
B - D 2x4 DRY No.2
DRY, SEASONED LUMBER.
GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMB1-1 MT20 3.0 4.0

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

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

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

LOADING
TOTAL LOAD CASES: (5)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	UNBRAC LENGTH FR-TO	MEMB. MAX. FACTORED FORCE (LBS)	WEBS MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0.26	-91.8	-91.8 0.12 (5)	10.00	E-F	-95 2	0.00 (1)
B-F	-9.0	-91.8	-91.8 0.02 (4)	10.00			
F-C	0.2	-91.8	-91.8 0.08 (1)	10.00			
B-E	0.0	-18.5	-18.5 0.05 (1)	10.00			
E-D	0.0	-18.5	-18.5 0.05 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 6 X 8 = 45 lb (M)

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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/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:5), BC=0.05/1.00 (B-E:1), WB=0.00/1.00 (E-F:1), SS=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 618 354 1657 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

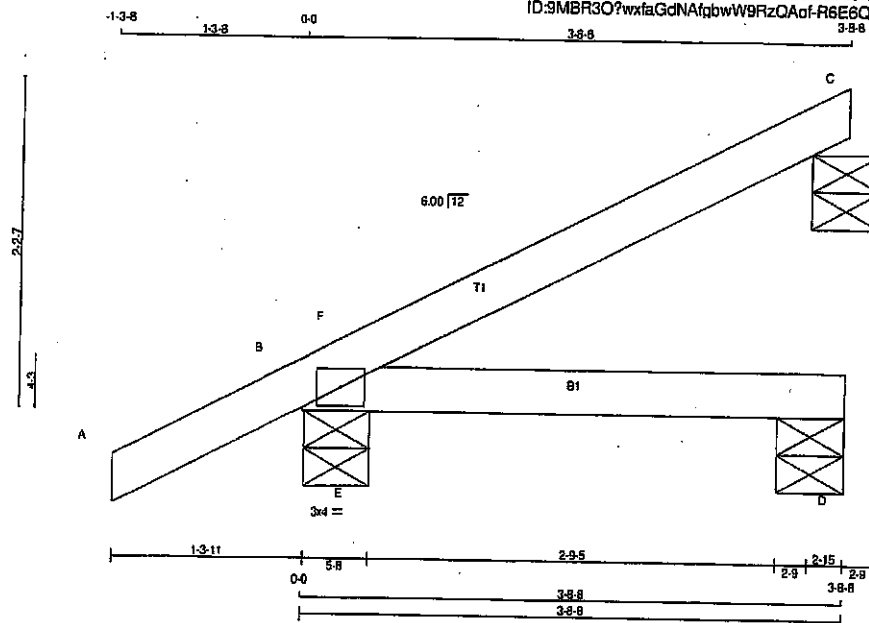
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.20 (B) (INPUT = 0.90)
JSI METAL= 0.04 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006451

JOB NAME 408189	TRUSS NAME J52	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

DRY, SEASONED LUMBER.

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMB1-1 MT20 3.0 4.0

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		
C	148	0	148	0	5-8 (2-15)	5-8
B	329	0	329	0	5-8	5-8
D	57	0	57	0	5-8	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	102	80/0	0/0	0/0	0/0	23/0	0/0
B	230	184/0	0/0	0/0	0/0	66/0	0/0
D	42	15/0	0/0	0/0	0/0	27/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	WEBS		MEMB. MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
			FR-TO	CS (LC)		
A-B	0/26	-91.8	-91.8	0.13 (5)	10.00	10.00
B-F	-16/17	-91.8	-91.8	0.03 (4)	6.25	10.00
F-C	-2/2	-91.8	-91.8	0.18 (1)	10.00	10.00
B-E	0/0	-18.5	-18.5	0.12 (1)	10.00	10.00
E-D	0/0	-18.5	-18.5	0.12 (1)	10.00	10.00

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 11 = 44 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 085-09, CSA 085-14
- TPIC 2011, 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/989 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/989 (0.02")

CSI: TC=0.16/1.00 (C-F:1), BC=0.12/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.17/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

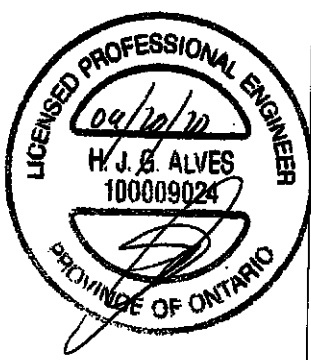
NAIL VALUES

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

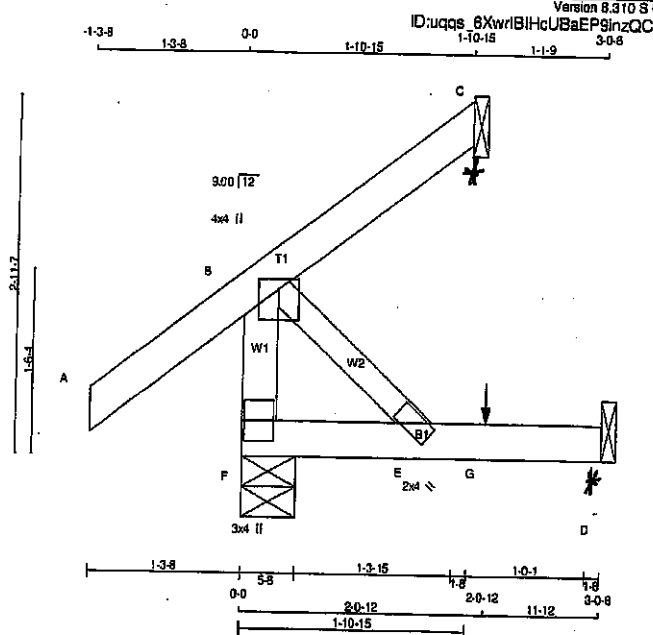
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.80)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006452



LUMBER

N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS	2x4	DRY	No.2
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 in inches)

JT TYPE	PLATES	W	LEN	Y	X
S	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BNW+w	MT20	2.0	4.0	
F	BNV1+p	MT20	3.0	4.0	

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	288	0	288	0	5-8	5-8
C	42	0	42	0	35 1-8	1-8
D	28	0	32	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791 H FOR CONNECTION TO JOINT(S) C, D
 PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	201	145.0	0.0	0.0	0.0	57.0
C	29	23.25	0.0	0.0	0.0	5.0
D	23	0.0	0.0	0.0	0.0	23.0

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

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO				
F-B	-260.0	0.0	0.0	0.0
A-B	0.38	-91.8	-91.8	0.0
B-C	-27.0	-91.8	-91.8	0.0
F-E	0.0	-18.5	-18.5	0.0
E-G	0.0	-18.5	-18.5	0.0
G-D	0.0	-18.5	-18.5	0.0

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIRL	TYPE	HEEL	CONN.
G	2-0-12	-0	-0	---	BACK	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 11 = 22 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, OBC 2012, ABC 2019
 - PART 9 OF OBC 2012 (2019 AMENDMENT)
 - CSA 086-09, CSA 086-14
 - TPIC 2011, 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=0.14/1.00 (A-B-S), BC=0.05/1.00 (D-E-F), WB=0.00/1.00 (B-E-1), SSL=0.09/1.00 (A-B-S)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

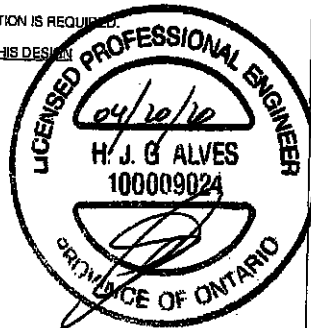
NAIL VALUES

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

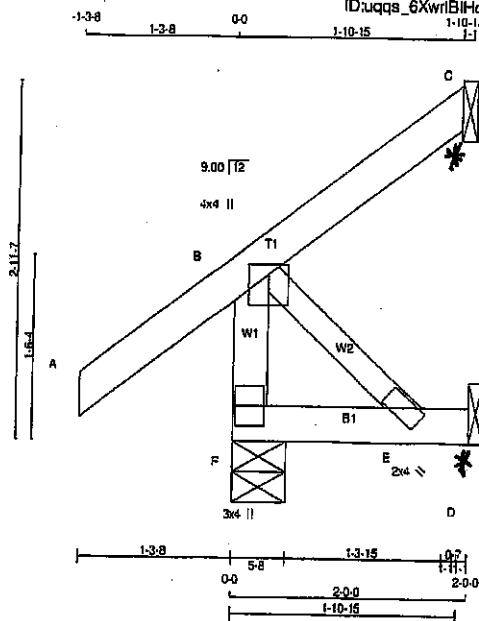
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.90)
 JSI METAL= 0.05 (B) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	C31	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:26:03 2020 Page 1					
ID:uqqs_6XwrlBtHcUBaEP9inzQC9m-yISkgPjmmWKtHjh7dSdYgFomilUzcCfKfCON1zPtqY					
1-10-15 2-0-0 1-10-15 2-0-0					
Scale = 1:17.5					



LUMBER			
N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS	2x4	DRY	No.2
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	1.00 2.00
E	BMVW+p	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	JN-SX	IN-SX
F	278	0	278	0	5-8	5-8	
C	42	0	42	0	-35	1-8	1-8
D	19	0	21	0	1-8	1-8	

SEE MITEK STANDARD DETAIL B87791H 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	194	145.0	0.0	0.0	0.0	49.0	0.0
C	29	23.0	-25.0	0.0	0.0	5.0	0.0
D	15	0.0	0.0	0.0	0.0	15.0	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		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CS (LC)	MEMB.	FORCE (LBS)	MAX CS (LC)	
FR-TO		FROM TO		FR-TO			
F-B	-260.0	0.0	0.0 0.03 (1)	B-E	0.0	0.00 (1)	
A-B	0.38	-91.8	-91.8 0.12 (1)				
B-C	-27.0	-91.8	-91.8 0.12 (1)				
F-E	0.0	-18.5	-18.5 0.02 (4)				
E-D	0.0	-18.5	-18.5 0.02 (4)				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 29 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2015, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.08/1.00 (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

AUTOSOLVE RIGHT HEEL ONLY

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

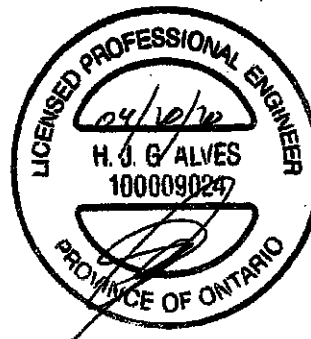
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

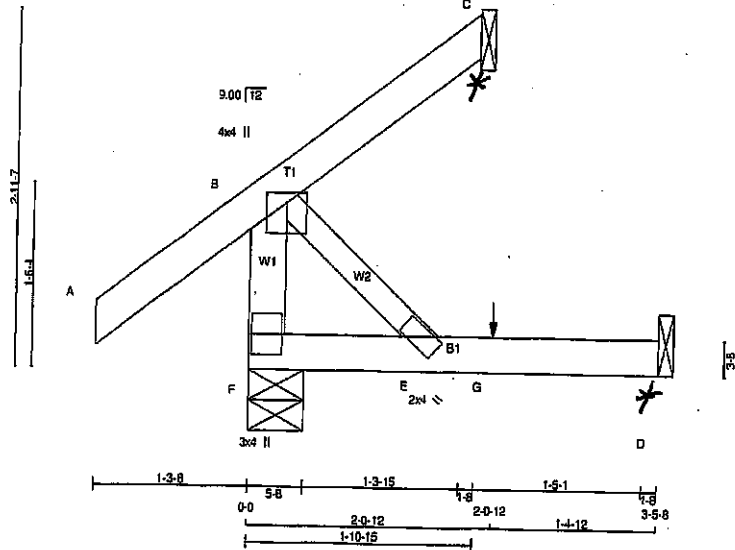
JSI GRIP= 0.21 (S) (INPUT = 0.90)
JSI METAL= 0.05 (S) (INPUT = 1.00)



Structural component only
DWG# T-2006433

JOB NAME 408188	TRUSS NAME C32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

Version 8.310 5 Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:28:04 2020 Page 1
 ID: qqs_6XwrlBhCUBaEP9inzQC9m-Qy0itlkVX4eBURHuhKzs5unyE6_2i3SoyJmXwTzPlqX
 Scale = 1:17.8



LUMBER

N. L. G. A. RULES

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

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

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
E BMV+w	MT20	2.0	4.0		
F BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
F	292	0	292	0	5-8	5-8
C	42	0	42	0	1-8	1-8
D	32	0	36	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	1ST LCASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
		SNOW	LIVE	PERM. LIVE	WIND			
F	205	145/0	0/0	0/0	0/0	60/0	0/0	0/0
C	29	23/-25	0/0	0/0	0/0	5/0	0/0	0/0
D	26	0/0	0/0	0/0	0/0	26/0	0/0	0/0

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

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

LOADING
 TOTAL LOAD CASES: (5)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	VERT. LOAD (PLF)	CS1 (LC)			MAX. FORCE (LBS)	MAX. CS1 (LC)
FR-TO						FR-TO		
F-B	-260/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0	0.00 (1)
A-B	0/38	-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	0.06 (4)	10.00			
E-G	0/0	-18.5	-18.5	0.06 (4)	10.00			
G-D	0/0	-18.5	-18.5	0.06 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
G	2-0-12	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS
 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.
 CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	DL = 8.0 PSF
BOY 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 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 2012 (2019 AMENDMENT)
 - CSA 086-09, CSA 086-14
 - TPIC 2011, 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")

GS: TC=0.14/1.00 (A-B-S), BC=0.09/1.00 (D-E-4), WB=0.00/1.00 (B-E-1), SS=0.09/1.00 (A-B-S)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

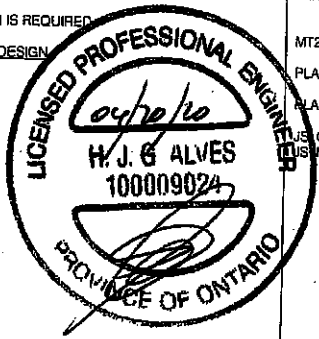
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

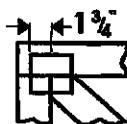
PLATE ROTATION TOL. = 5.0 Deg.

US GRIP= 0.21 (B) (INPUT = 0.90)
 US METAL= 0.05 (B) (INPUT = 1.00)

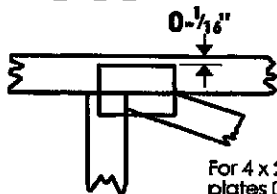


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. 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 software or upon request.

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

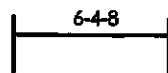


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

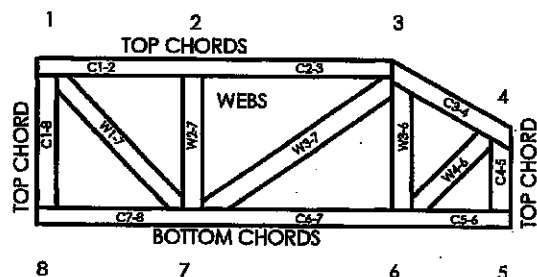
Industry Standards:

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

Numbering System



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



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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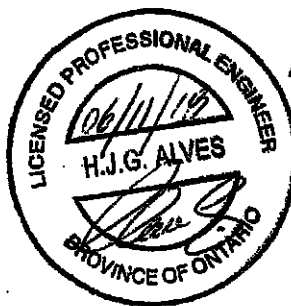
MiTek
POWER TO PERFORM.™

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.



Alves Engineering Services Inc.

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

RESPONSABILITIES

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

SPECIFICATIONS

- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.
- 2- Lumber is to be the sizes and grade specified on the truss drawing.
- 3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.
- 4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings
- 5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.
- 6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)
- 7- When rigid ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals.
- 8-Refer to Mitek sheet MII7473C REV.10-08 attached for Information on symbols, numbering system and General Safety notes.

T-1300213

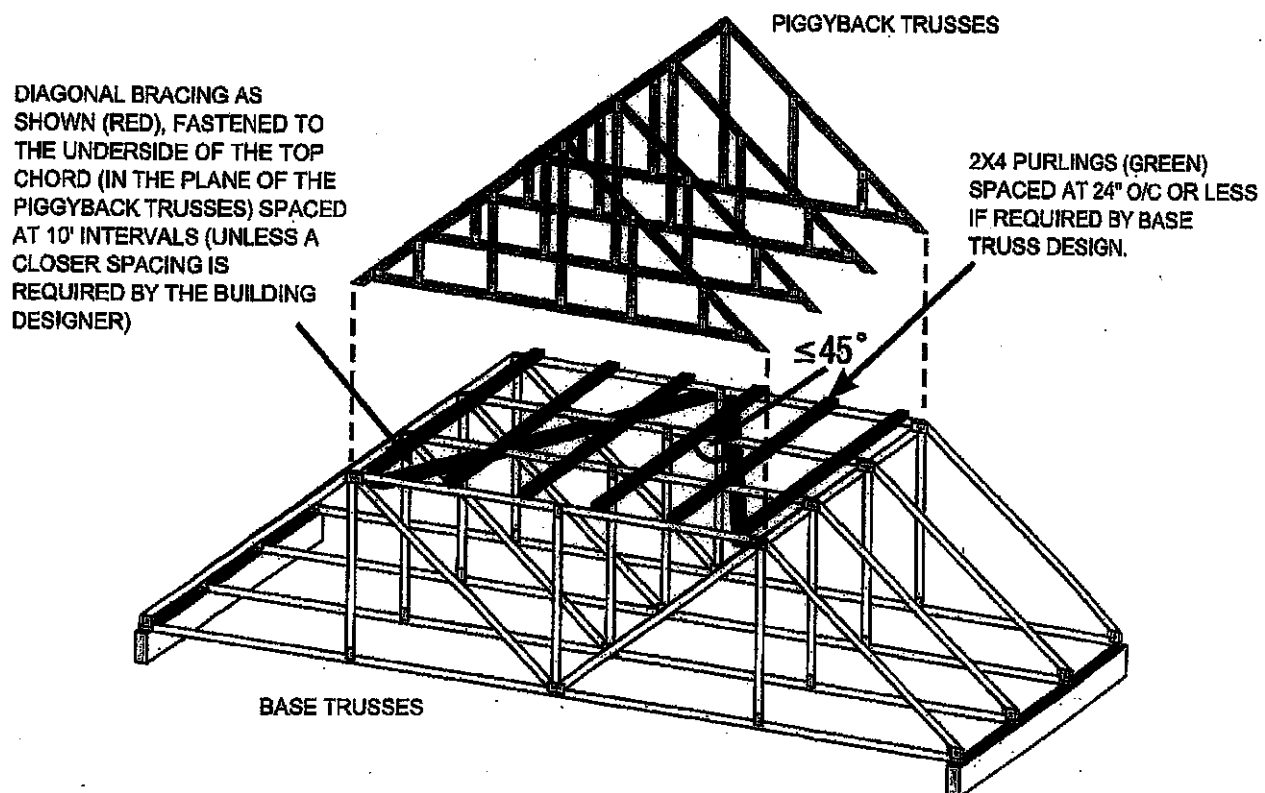
Feb 09, 2018

Overview:

Where piggybacks are connected ovetop 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.

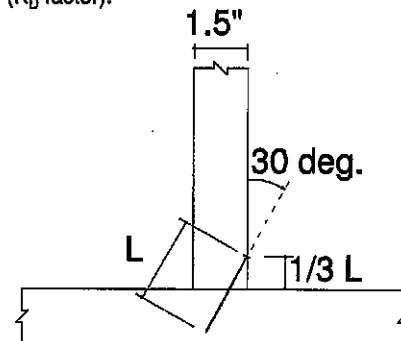
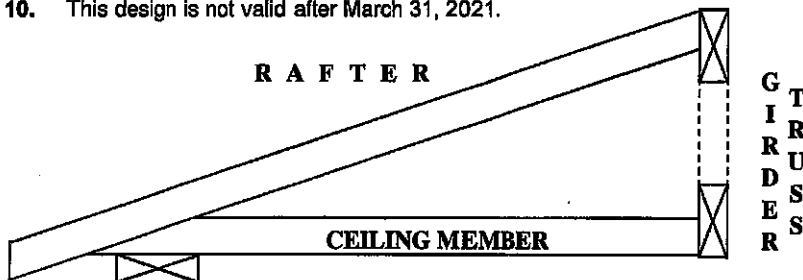
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

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

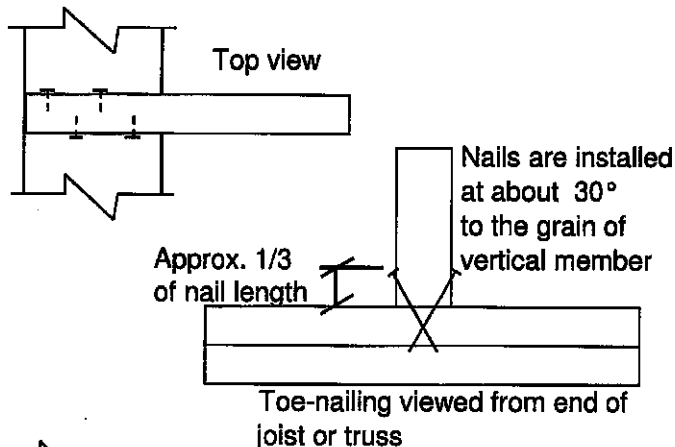
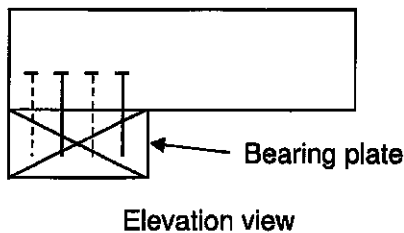
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52
COMMON SPIRAL	3.00	0.122	26	36
	3.25	0.122	28	40
	3.50	0.152	36	50

Note: If using truss with D. Fir lumber and S-P-F bearing plate, use values in table for S-P-F.

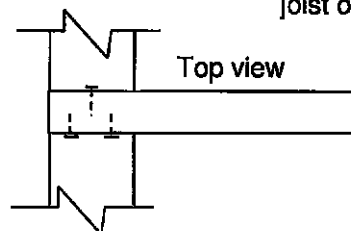
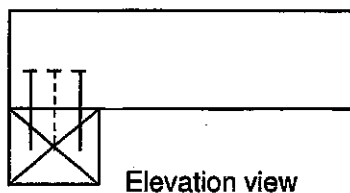
NOTES:

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

December 2, 2019

LUL/LUS/LJS/HUS/HHUS/HGUS

Standard and Double-Shear Joist Hangers



This product is preferable to similar connectors because of
a) easier installation, b) higher capacities, c) lower installed
cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

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

Installation:

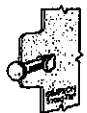
- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, and reduce the resistance to 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

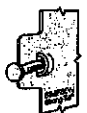
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



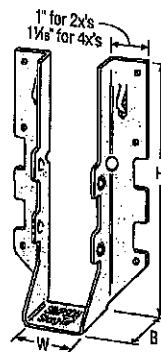
Double-Shear
Nailing
Top View



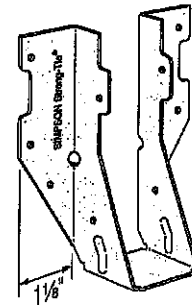
Double-Shear
Nailing
Side View;
Do not
bend tab



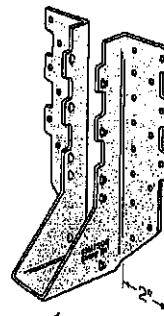
Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,603,580



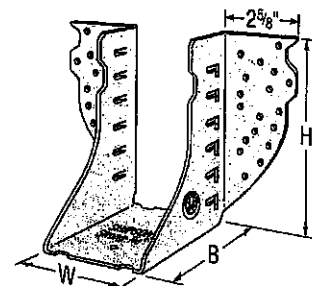
✓ LUS28



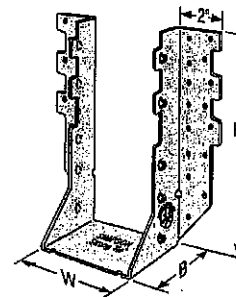
LU26L



✓ HUS210
(HUS26, HUS28,
and HHUS similar)

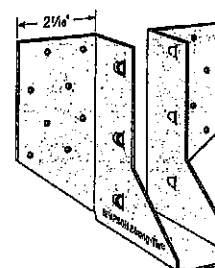
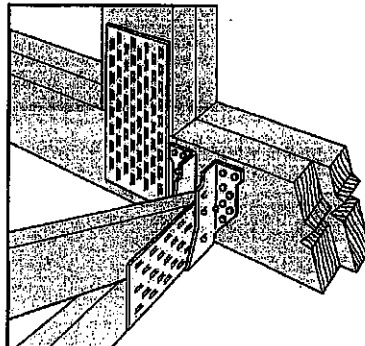


✓ HGUS28-2



✓ HHUS210-2

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



LJS26DS

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options information on pp. 125–127.

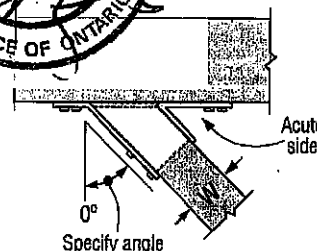
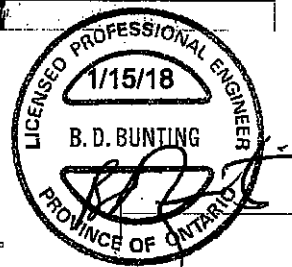
HHUS — Sloped and/or Skewed Seat

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

HGUS — Skewed Seat

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

HGUS Seat Width	Joist	Down Resistance	Uplift
$W < 2"$	Bevel or square cut	0.62 of table value	0.46 of table value
$2" < W < 6"$	Bevel cut	0.67 of table value	0.41 of table value
$2" < W < 6"$	Square cut	0.46 of table value	0.41 of table value
$W > 6"$	Bevel cut	0.75 of table value	0.41 of table value



**Top View HHUS Hanger
Skewed Right**
(joist must be bevel cut)
All joist nails installed on the
outside angle (non-acute side).

Standard and Double-Shear Joist Hangers (cont.)

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

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

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance				
		W	H	B	d _g ³	Header	Joist	D.Fir-L		S-P-F		
								Uplift	Normal	Uplift	Normal	
								(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN	(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN	
Single 2x Sizes												
■	LUS24	18	1 1/8	3 1/2	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1825	645	1155
									3.16	7.23	2.87	5.14
	LU24L	22	1 1/8	3	1 1/4	2 1/4	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	725
									1.60	4.54	1.42	3.22
	LU26L	22	1 1/8	5	1 1/4	4 5/8	(6) 10d	(4) 10d x 1 1/2"	720	1805	645	1140
									3.20	7.14	2.87	5.07
SS	LUS26	18	1 1/8	4 1/4	1 1/4	3 3/4	(4) 10d	(4) 10d	1420	2170	1290	1630
									6.32	9.65	5.74	7.25
■	HUS26	16	1 1/8	5 1/4	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
									11.30	21.97	9.20	17.24
	LJS26DS	18	1 1/8	5	3 1/2	4 1/4	(16) 16d	(6) 16d	2055	4265	1460	4115
									9.14	18.97	6.49	18.31
	HGUS26	12	1 1/8	5 1/4	5	4 1/4	(20) 16d	(8) 16d	2685	6625	2685	5700
									11.96	29.51	11.96	25.35
	LU28L	20	1 1/8	6 1/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550
									5.07	9.72	4.54	6.89
SS	LUS28	18	1 1/8	6 1/4	1 1/4	3 3/4	(6) 10d	(4) 10d	1420	2520	1290	1790
									6.32	11.21	5.74	7.96
■	HUS28	16	1 1/8	7 1/4	3	6 1/8	(22) 16d	(8) 16d	3605	5365	2675	4345
									16.04	23.86	11.90	19.33
	HGUS28	12	1 1/8	7 1/4	5	6 1/4	(36) 16d	(12) 16d	3310	7675	3310	6900
									14.74	34.19	14.74	30.73
	LU210L	20	1 1/8	8	1 1/4	7 1/4	(10) 10d	(6) 10d x 1 1/2"	1140	2495	1020	1770
									5.07	11.10	4.54	7.87
SS	LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210
									6.32	12.39	5.74	9.83

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

Face-Mount Hangers

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

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

Model No.	Ga.	Dimensions (in.)				Fasteners			Factored Resistance			
		W	H	B	d _a ³	Header	Joist	D.Fir-L		S-P-F		
								Uplift	Normal	Uplift	Normal	
								(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN	(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN	
Double 2x Sizes												
LUS24-2	18	3 3/8	3 3/8	2	1 1/2	(4) 16d	(2) 16d	835 3.71	2020 8.99	590 2.62	1435 6.38	
LUS26-2	18	3 3/8	4 3/8	2	4	(4) 16d	(4) 16d	1720 7.65	2595 11.54	1545 6.87	1920 8.54	
HHUS26-2	14	3 3/8	5 3/8	3	3 3/8	(14) 16d	(6) 16d	2850 12.68	7335 32.63	2065 9.20	5205 23.15	
HGUS26-2	12	3 3/8	5 7/8	4	4 3/8	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27	
LUS28-2	18	3 3/8	7	2	4	(6) 16d	(4) 16d	1720 7.65	3325 14.79	1545 6.87	2575 11.45	
HHUS28-2	14	3 3/8	7 3/8	3	6 1/8	(22) 16d	(8) 16d	3765 16.75	8940 39.77	2675 11.90	6345 28.22	
HGUS28-2	12	3 3/8	7 3/8	4	6 1/8	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99	
LUS210-2	18	3 3/8	9	2	6	(8) 16d	(6) 16d	2580 11.48	4500 20.02	2320 10.32	3195 14.21	
HHUS210-2	14	3 3/8	9 3/8	3	8	(30) 16d	(10) 16d	4670 20.77	9660 42.97	4235 18.84	7000 31.14	
HGUS210-2	12	3 3/8	9 3/8	4	8 3/8	(46) 16d	(16) 16d	6840 30.43	14015 62.34	4855 21.60	10270 45.69	
Triple 2x Sizes												
HGUS26-3	12	4 1/8	5 1/2	4	4 3/8	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27	
HGUS28-3	12	4 1/8	7 1/4	4	6 3/8	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99	
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670 20.77	9670 43.02	4235 18.84	6865 30.54	
HGUS210-3	12	4 1/8	9 3/4	4	8 3/8	(46) 16d	(16) 16d	6840 30.43	14645 65.14	4855 21.60	10400 46.26	
Quadruple 2x Sizes												
HGUS26-4	12	6 3/8	5 3/8	4	4 3/8	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27	
HGUS28-4	12	6 3/8	7 3/8	4	6 3/8	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99	
HHUS210-4	14	6 1/8	8 3/8	3	7 1/8	(30) 16d	(10) 16d	4670 20.77	10155 45.17	4235 18.84	7210 32.07	
HGUS210-4	12	6 3/8	9 3/8	4	8 3/8	(46) 16d	(16) 16d	6840 30.43	14645 65.14	4855 21.60	10400 46.26	
HGUS212-4	12	6 3/8	10 3/8	4	10 1/8	(56) 16d	(20) 16d	7640 33.98	14995 66.70	5425 24.13	10645 47.35	
HGUS214-4	12	6 3/8	12 3/8	4	11 3/8	(66) 16d	(22) 16d	10130 45.06	16400 72.95	7195 32.00	11645 51.80	
4x Sizes												
LUS46	18	3 3/8	4 3/4	2	3 3/8	(4) 16d	(4) 16d	1720 7.65	2595 11.54	1545 6.87	1920 8.54	
HHUS46	14	3 3/8	5 3/4	3	3 3/8	(14) 16d	(6) 16d	2540 11.30	7335 32.63	2065 9.20	5205 23.15	
HGUS46	12	3 3/8	5 3/4	4	4 3/8	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27	
LUS48	18	3 3/8	6 3/4	2	3 3/8	(6) 16d	(4) 16d	1720 7.65	3325 14.79	1545 6.87	2575 11.45	
HHUS48	14	3 3/8	7 3/4	3	6 3/8	(22) 16d	(8) 16d	3765 16.75	8940 39.77	2675 11.90	6345 28.22	
HGUS48	12	3 3/8	7 3/8	4	6 3/8	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99	
LUS410	18	3 3/8	8 3/4	2	5 3/8	(8) 16d	(6) 16d	2580 11.48	4500 20.02	2320 10.32	3195 14.21	
HGUS410	12	3 3/8	9	4	8 3/8	(46) 16d	(16) 16d	6840 30.43	14015 62.34	4855 21.60	10270 45.69	
HGUS412	12	3 3/8	10 3/8	4	10 1/8	(56) 16d	(20) 16d	7640 33.98	14995 66.70	5425 24.13	10645 47.35	
HGUS414	12	3 3/8	12 3/8	4	11 3/8	(66) 16d	(22) 16d	10130 45.06	16400 72.95	7195 32.00	11645 51.80	



Plated Truss Connectors

See footnotes
on p. 268.