

REVIEWED BY JS S. SNELL
DATE JULY 25/19
FILE # HORIZON 2 - ELEV. 21

HORIZON 12
TH 96-1 / 1
401795

**HORIZON 2
TH 96-2 / 1
401796**

**HORIZON 2
TH 96-3 / 1
401797**

**HORIZON 1
TH 96-4 / 1
401798**

HORIZON 3E
TH 96-5 / 1
401799

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

HARDWARE:
LUS24 - (O)
LUS26-2 - (VV)
LJS26DS - (V)
HGUS26-2 - (XX)
HGUS28-3 - (SSS)

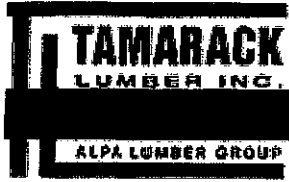
DENOTES
CONV.
FRAMING

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

BM1 - BM6 = 2-2X10

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

APPLICANT COPY



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200648
 Layout ID: 401796
 Ref #
 Page: 1 of 2
 Date: 03/12/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T18 Half Hip Girder	8/12	21-10-12	4-01-04	2 x 4 2 x 6		1-07-02 4-01-04	203.49 126.67		
	1 2-ply	T18Z Half Hip Girder	8/12	21-10-12	4-01-04	2 x 4 2 x 6		1-07-02 4-01-04	203.49 126.67		
	2	T19 Half Hip	8/12	21-10-12	5-01-04	2 x 4		1-07-02 5-01-04	179.88 112.67		
	2	T20 Half Hip	8/12	21-10-12	6-01-04	2 x 4		1-07-02 6-01-04	196.04 125.33		
	2	T21 Half Hip	8/12	21-10-12	7-01-04	2 x 4		1-07-02 7-01-04	194.51 123.67		
	2	T22 Half Hip	8/12	21-10-12	8-01-04	2 x 4		1-07-02 8-01-04	205.03 129.00		
	2	T23 Half Hip	8/12	21-10-12	9-01-04	2 x 4		1-07-02 9-01-04	216.07 134.33		
	2	T24 Half Hip	8/12	21-10-12	10-01-04	2 x 4		1-07-02 10-01-04	241.13 151.33		
	1	T25 Common	8/12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.46 45.67		
	1	T25A Common	8/12	15-11-08	6-09-13	2 x 4	1-03-08	1-04-13 1-04-13	70.01 44.50		
	2	T25S Roof Special Structural Gable	8/12	16-03-00	6-09-13	2 x 4	1-03-08	1-04-13 4-13	145.59 92.00		
	1	T51 Common	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	36.09 23.33		
	1	G51 GABLE	8/12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	38.74 25.00		
	3	T54 Half Hip	8/12	21-10-12	11-01-04	2 x 4		1-07-02 11-01-04	408.79 250.50		

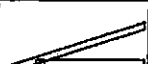


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 Sales Rep: Mario DiCano

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
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	235.12 149.33		
	4	J54 Jack-Open	4 /12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	62.87 37.33		
	3	J55 Jack-Open	4 /12	4-10-00	2-04-03	2 x 4	1-03-08	3-15 1-08-04	38.95 24.00		

TOTAL # TRUSS= 46

TOTAL BFT OF ALL TRUSSES= 1721.33

BFT. TOTAL WEIGHT OF ALL TRSSES 2748.28 LBS

HARDWARE

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

TOTAL NUMBER OF ITEMS= 4



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	1 2-ply	T11 Flat Girder	0 /12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 109.33		
	1	T12 Flat	0 /12	21-10-12	5-01-04	2 x 4		5-01-04 5-01-04	87.9 54.50		
	1	T13 Flat	0 /12	21-10-12	6-01-04	2 x 4		6-01-04 6-01-04	93.24 56.83		
	1	T14 Flat	0 /12	21-10-12	7-01-04	2 x 4		7-01-04 7-01-04	98.74 60.67		
	2	T15 Flat	0 /12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	228.81 140.00		
	2	T16 Flat	0 /12	21-10-12	9-01-04	2 x 4		9-01-04 9-01-04	241.79 148.67		
	3	T17 Flat	0 /12	21-10-12	10-01-04	2 x 4		10-01-04 10-01-04	382.54 230.00		
	1	T25 Common	8 /12	16-03-00	6-09-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	72.46 45.67		
	1	T25A Common	8 /12	15-11-08	6-09-13	2 x 4	1-03-08	1-04-13 1-04-13	70.01 44.50		
	2	T25S Roof Special Structural Gable	8 /12	16-03-00	6-09-13	2 x 4	1-03-08	1-04-13 4-13	145.59 92.00		
	1	T51 Common	8 /12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	36.09 23.33		
	1	G51 GABLE	8 /12	11-03-00	4-11-09	2 x 4	1-03-08 1-03-08	4-13 4-13	38.74 25.00		
	1 2-ply	T55 Roof Special Girder	-8 /12	21-10-12	4-01-04	2 x 4 2 x 6		4-01-04 1-07-02	203.49 126.67		
	1	T56 Roof Special	-8 /12	21-10-12	5-01-04	2 x 4		5-01-04 1-07-02	89.94 56.33		



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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	T57 Roof Special	-8 /12	21-10-12	6-01-04	2 x 4		6-01-04 1-07-02	98.05 62.67		
	1	T58 Roof Special	-8 /12	21-10-12	7-01-04	2 x 4		7-01-04 1-07-02	97.25 61.83		
	1	T59 Roof Special	-8 /12	21-10-12	8-01-04	2 x 4		8-01-04 1-07-02	102.52 64.50		
	1	T60 Roof Special	-8 /12	21-10-12	9-01-04	2 x 4		9-01-04 1-07-02	108.04 67.17		
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	235.12 149.33		
	4	J54 Jack-Open	4 /12	6-00-00	2-08-14	2 x 4	1-03-08	3-15 2-00-15	62.87 37.33		
	3	J55 Jack-Open	4 /12	4-10-00	2-04-03	2 x 4	1-03-08	3-15 1-08-04	38.95 24.00		

TOTAL # TRUSS= 46 TOTAL BFT OF ALL TRUSSES= 1680.33 BFT. TOTAL WEIGHT OF ALL TRSSES 2706.06 LBS

HARDWARE

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

TOTAL NUMBER OF ITEMS= 4



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BLOCK 96
 Lot #:
 Elevation:

Job Track: 50033
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 Date: 03/12/2019
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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	T65 Half Hip	8/12	21-00-08	8-01-04	2 x 4	1-03-08	1-04-13 8-01-04	101.67 63.83		
	1	T66 Half Hip	8/12	21-00-08	9-01-04	2 x 4	1-03-08	1-04-13 9-01-04	107.3 67.17		
	2	T67 Half Hip	8/12	21-00-08	10-01-04	2 x 4	1-03-08	1-04-13 10-01-04	224.23 140.00		
	1 3-ply	T68 Half Hip Girder	8/12	21-00-08	9-09-08	2 x 4 2 x 8		1-04-13 9-09-08	410.81 253.00		
	1	T70S Roof Special	6/12	10-10-00	3-10-08	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	45.46 31.50		
	1	T70SA Roof Special	6/12	10-07-00	3-10-08	2 x 4	1-03-08	1-02-00 1-02-00	43.33 30.00		
	1	T71 Half Hip	6/12	10-07-00	4-02-02	2 x 4	1-03-08	1-02-00 4-02-02	43.7 28.00		
	1 3-ply	T72 Hip Girder	6/12	17-03-00	5-03-13	2 x 4 2 x 6	1-03-08	1-02-00 2-06-00	255.5 162.00		
	1 2-ply	T73 Flat Girder	0/12	18-10-08	4-01-04	2 x 4		4-01-04 4-01-04	156.16 97.33		
	1	T74 Flat	0/12	18-10-08	5-01-04	2 x 4		5-01-04 5-01-04	79 49.00		
	1	T75 Half Hip	8/12	18-10-08	6-01-04	2 x 4		2-10-02 6-01-04	80.7 50.67		
	1	T76 Half Hip	8/12	18-10-08	7-01-04	2 x 4		2-10-02 7-01-04	88.49 55.33		
	1	T77 Half Hip	8/12	18-10-08	8-01-04	2 x 4		2-10-02 8-01-04	93.51 59.00		
	1	T78 Half Hip	8/12	18-10-08	9-01-04	2 x 4		2-10-02 9-01-04	101.68 64.33		



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Roof Trusses

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	2	T79S Roof Special	6 /12	12-00-00	4-02-00	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	102.86 68.33		
	1 2-ply	T80 Common Girder	6 /12	12-00-00	4-02-00	2 x 4 2 x 6		1-02-00 1-02-00	112.13 70.00		
	1 2-ply	T81 Flat Girder	0 /12	17-09-08	4-01-04	2 x 4 2 x 6		4-01-04 4-01-04	170.78 108.67		
	1	T82 Half Hip	8 /12	17-09-08	5-01-04	2 x 4		1-06-13 5-01-04	78.2 49.50		
	1	T83 Half Hip	8 /12	17-09-08	6-01-04	2 x 4		1-06-13 6-01-04	78.66 49.67		
	1	T84 Half Hip	8 /12	17-09-08	6-10-04	2 x 4		1-06-13 6-10-04	82.45 52.33		
	1 3-ply	T85 Half Hip Girder	8 /12	21-00-08	7-02-00	2 x 4 2 x 6		1-04-13 7-02-00	348.49 218.00		
	3	T86 Common	8 /12	10-07-00	5-00-02	2 x 4	1-03-08 1-03-08	1-06-13 1-04-13	133.9 86.00		
	1	G86 GABLE	8 /12	10-10-00	5-00-02	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	47.14 31.17		
	14	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	235.12 149.33		
	3	J51S Jack-Open	-8 /12	3-10-08	5-03-13	2 x 4	1-03-08	5-03-13 1-04-13	83.99 36.50		
	12	J52 Jack-Open	4 /12	6-03-00	2-09-14	2 x 4	1-03-08	3-15 2-00-04	220.28 148.00		
	4	J53 Jack-Open	4 /12	4-11-00	2-04-08	2 x 4	1-03-08	3-15 1-11-10	52.72 32.00		

TOTAL # TRUSS= 69

TOTAL BFT OF ALL TRUSSES= 2246.66

BFT.

TOTAL WEIGHT OF ALL TRSSES 3548.25 LBS

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HARDWARE

QTY	TYPE	MODEL	LENGTH
4	Hardware	HGUS28-2	
1	Hardware	HGUS28-3	
6	Hardware	LUS24	
1	Hardware	LUS28-2	
10	Hardware	LJS28DS	

TOTAL NUMBER OF ITEMS= 22



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Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T11 Flat Girder	0/12	21-10-12	4-01-04	2 x 4		4-01-04 4-01-04	173.9 109.33		
	2	T12 Flat	0/12	21-10-12	5-01-04	2 x 4		5-01-04 5-01-04	175.8 109.00		
	2	T13 Flat	0/12	21-10-12	6-01-04	2 x 4		6-01-04 6-01-04	186.48 113.67		
	2	T14 Flat	0/12	21-10-12	7-01-04	2 x 4		7-01-04 7-01-04	197.49 121.33		
	2	T15 Flat	0/12	21-10-12	8-01-04	2 x 4		8-01-04 8-01-04	228.81 140.00		
	2	T16 Flat	0/12	21-10-12	9-01-04	2 x 4		9-01-04 9-01-04	241.79 148.67		
	3	T17 Flat	0/12	21-10-12	10-01-04	2 x 4		10-01-04 10-01-04	382.54 230.00		
	2	T52 Common	8/12	10-02-08	4-11-13	2 x 4		1-06-13 1-07-02	80.17 53.67		
	1	T53 Common	8/12	10-05-08	4-09-09	2 x 4	1-03-08	4-13 7-02	31.69 20.67		
	1	G53 GABLE	8/12	10-09-00	4-09-09	2 x 4	1-03-08 1-03-08	4-13 4-13	37.08 24.33		
	1 2-ply	T110 Flat Girder	0/12	21-10-12	4-01-04	2 x 4 2 x 6		4-01-04 4-01-04	200.24 124.00		
	11	J1 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		
	6	J11 Jack-Open	6/12	5-07-08	4-01-04	2 x 4	1-06-08	1-03-08 4-01-04	99.9 64.00		
	6	J56 Jack-Open	4/12	6-05-00	3-01-08	2 x 4	1-03-08	3-15 2-05-10	127.71 87.00		

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Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
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TOTAL # TRUSS= 44 TOTAL BFT OF ALL TRUSSES= 1463 BFT. TOTAL WEIGHT OF ALL TRSSES 2348.35 LBS

HARDWARE

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

TOTAL NUMBER OF ITEMS= 4



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	1 2-ply	T1 Half Hip Girder	8/12	20-02-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	187.4 118.33		
	1 2-ply	T1Z Half Hip Girder	8/12	20-02-08	4-01-04	2 x 4 2 x 6	1-03-08	1-04-13 4-01-04	187.4 118.33		
	2	T2 Half Hip	8/12	20-02-08	5-01-04	2 x 4	1-03-08	1-04-13 5-01-04	173.45 110.00		
	2	T3 Half Hip	8/12	20-02-08	6-01-04	2 x 4	1-03-08	1-04-13 6-01-04	174.28 110.67		
	2	T4 Half Hip	8/12	20-02-08	7-01-04	2 x 4	1-03-08	1-04-13 7-01-04	187.92 119.00		
	2	T5 Half Hip	8/12	20-02-08	8-01-04	2 x 4	1-03-08	1-04-13 8-01-04	198.8 124.33		
	2	T6 Half Hip	8/12	20-02-08	9-01-04	2 x 4	1-03-08	1-04-13 9-01-04	210.2 131.67		
	3	T7 Half Hip	8/12	20-02-08	10-01-04	2 x 4	1-03-08	1-04-13 10-01-04	329.66 208.00		
	2	T8 Common	8/12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	126.66 78.00		
	1	G8 GABLE	8/12	14-09-00	6-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	65.08 42.00		
	2	T9 Common	8/12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	122.89 78.00		
	2	T9S Roof Special Structural Gable	8/12	14-03-00	6-01-13	2 x 4	1-03-08 1-03-08	1-04-13 4-13	128.67 83.33		
	1	T10 Common	8/12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	32.14 20.67		
	1	G10 GABLE	8/12	9-10-00	4-05-14	2 x 4	1-03-08 1-03-08	4-13 4-13	34.03 21.33		

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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	T87 Monopitch	4 /12	8-02-00	3-05-08	2 x 4	1-03-08	3-15 3-00-10	87.69 57.00		
	6	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	100.77 64.00		
	6	J52 Jack-Open	4 /12	6-03-00	2-09-14	2 x 4	1-03-08	3-15 2-00-04	110.14 73.00		
	3	J57 Jack-Open	4 /12	6-03-00	3-00-14	2 x 4	1-03-08	3-15 2-04-15	62.43 39.50		

TOTAL # TRUSS= 44 TOTAL BFT OF ALL TRUSSES= 1597.16 BFT. TOTAL WEIGHT OF ALL TRSSES 2519.6 LBS

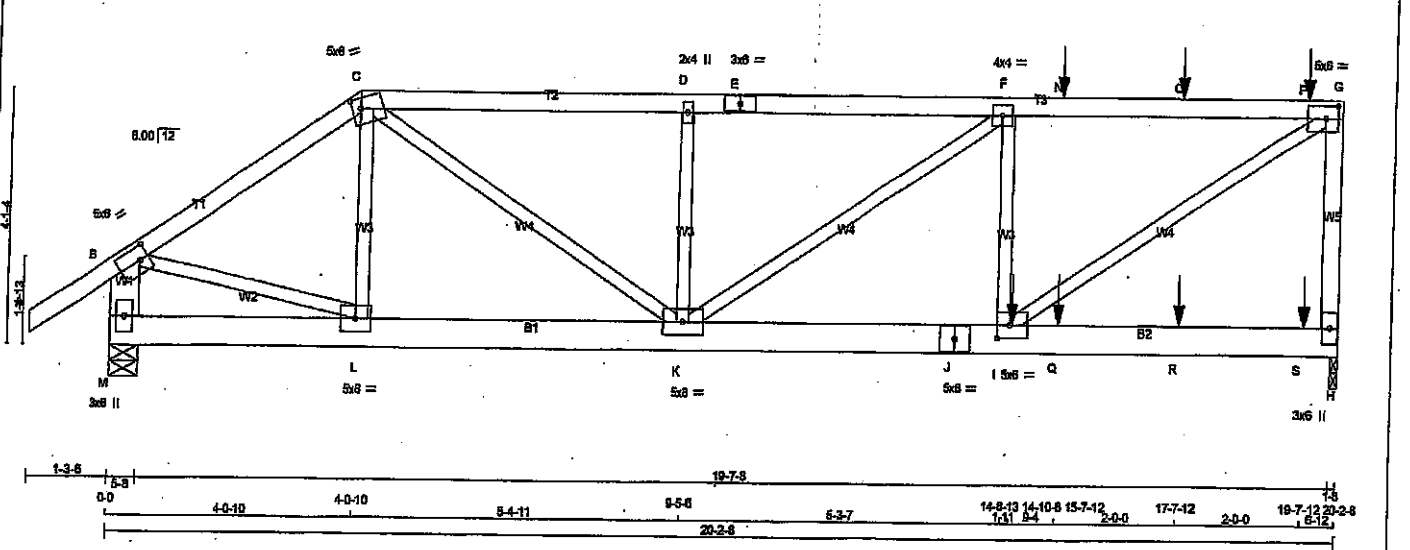
HARDWARE

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

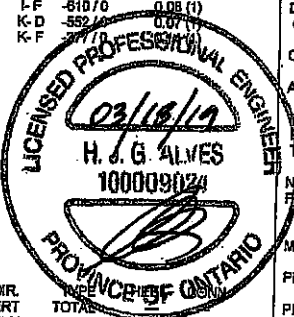
TOTAL NUMBER OF ITEMS= 6

JOB NAME 401769	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

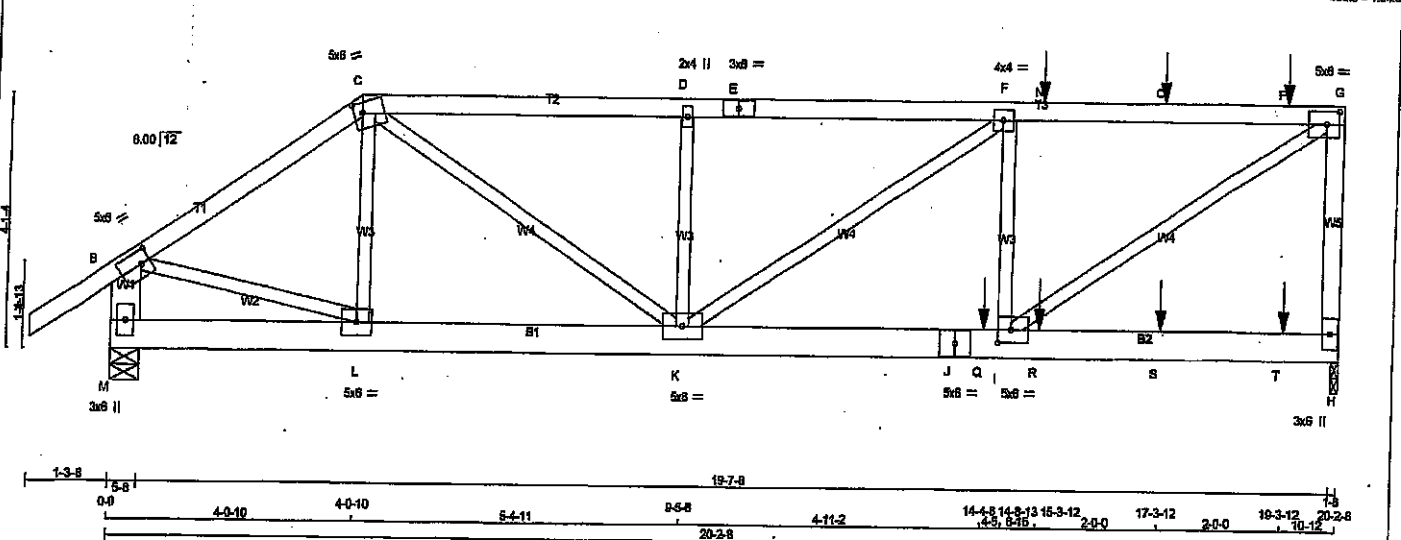
Version 6.230 8 Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:40 2019 Page 1
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14-8-13 15-7-12 16-7-12 17-7-12 18-7-12 19-7-12 20-8
Scale = 1:34.5



LUMBER N L G A RULES CHORDS SIZE LUMBER DESCR. A - C 2x4 DRY No.2 SPF C - E 2x4 DRY No.2 SPF E - G 2x4 DRY No.2 SPF H - G 2x4 DRY No.2 SPF M - J 2x6 DRY No.2 SPF M - J 2x6 DRY No.2 SPF J - H 2x6 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY: SEASONED LUMBER. DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS: CHORDS #ROWS SURFACE SPACING (IN) LOAD (PLF) TOP CHORDS: (0.122'x3") SPIRAL NAILS A-D 1 12 TOP C-E 1 12 TOP E-G 1 12 TOP G-H 1 12 TOP M-B 2 12 TOP BOTTOM CHORDS: (0.122'x3") SPIRAL NAILS M-J 2 12 SIDE(0.1) J-H 2 12 SIDE(183.1) WEBS: (0.122'x3") SPIRAL NAILS I-F 1 6 SIDE(177.3) 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 LDI 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 in inches) JT TYPE PLATES W LEN Y X B TMWV-t MT20 5.0 6.0 2.50 1.75 C TTWW-m MT20 5.0 6.0 2.00 1.75 D TMWV-w MT20 2.0 4.0 E TS-t MT20 3.0 6.0 F TMWV-t MT20 4.0 4.0 G TMWV-t MT20 5.0 6.0 2.50 2.50 H BMV1+p MT20 3.0 6.0 I BMWV-t MT20 5.0 6.0 2.50 2.50 J BS-t MT20 5.0 6.0 K BMWV-w MT20 5.0 6.0 L BMWV-t MT20 5.0 6.0 M BMV1+p MT20 3.0 6.0				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED MAXIMUM FACTORED INPUT REQD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX H 2628 0 2628 0 0 1-8 1-8 M 1780 0 1780 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LGASE MAX/MIN COMPONENT REACTIONS JT COMBINED SNOW LIVE PERMLIVE WIND DEAD SOIL H 1844 1289 / 0 0 / 0 0 / 0 552 / 0 0 / 0 M 1247 883 / 0 0 / 0 0 / 0 364 / 0 0 / 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.78 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. LOADING TOTAL LOAD CASES: (4) CHORDS MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD LC1 MAX CS1 (LC) MAX UNBRAC LENGTH FR-TO A-B 0 / 39 -102.1 -102.1 0.08 (1) 10.00 L-C -285 / 0 0.03 (1) B-C -1880 / 0 -102.1 -102.1 0.18 (1) 6.18 B-L 0 / 1589 0.20 (1) C-D -2778 / 0 -102.1 -102.1 0.25 (1) 5.23 I-G 0 / 3735 0.48 (1) D-E -2778 / 0 -102.1 -102.1 0.38 (1) 5.07 C-K 0 / 1507 0.19 (1) E-F -2778 / 0 -102.1 -102.1 0.38 (1) 5.07 I-F -810 / 0 0.08 (1) F-N -3087 / 0 -102.1 -102.1 0.42 (1) 4.78 K-D -552 / 0 0.07 (1) N-O -3087 / 0 -102.1 -102.1 0.42 (1) 4.78 K-F -277 / 0 0.07 (1) O-P -3087 / 0 -102.1 -102.1 0.42 (1) 4.78 P-Q -3087 / 0 -102.1 -102.1 0.42 (1) 4.78 Q-R -2526 / 0 0.0 0.0 0.31 (1) 7.13 R-S -1753 / 0 0.0 0.0 0.06 (1) 7.81 WEBS MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD LC1 MAX CS1 (LC) MAX UNBRAC LENGTH FR-TO M-L 0 / 0 -17.5 -17.5 0.03 (4) 10.00 L-K 0 / 1589 -17.5 -17.5 0.12 (1) 10.00 K-J 0 / 3087 -17.5 -17.5 0.24 (1) 10.00 J-I 0 / 3087 -17.5 -17.5 0.24 (1) 10.00 I-D 0 / 0 -17.5 -17.5 0.08 (4) 10.00 D-R 0 / 0 -17.5 -17.5 0.08 (4) 10.00 R-S 0 / 0 -17.5 -17.5 0.08 (4) 10.00 S-H 0 / 0 -17.5 -17.5 0.08 (4) 10.00 FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX- FACE DIR. TOTAL I 14-10-8 -1381 -1381 -- BACK VERT TOTAL N 15-7-12 -123 -123 -- BACK VERT TOTAL O 17-7-12 -123 -123 -- BACK VERT TOTAL P 19-7-12 -145 -145 -- BACK VERT TOTAL Q 15-7-12 -25 -25 -- BACK VERT TOTAL R 17-7-12 -25 -25 -- BACK VERT TOTAL S 18-7-12 -29 -29 -- BACK VERT TOTAL				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 29.0 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.0 PSF TOTAL LOAD = 42.0 PSF SPACING = 24.0 IN. G/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 2018, CBC 2012 - CSA 086-08, CSA 086-14 - TPIC 2011, TPIC 2014 (55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL. (LL) = L/360 (0.67") CALCULATED VERT. DEFL. (LL) = L/999 (0.05") ALLOWABLE DEFL. (TL) = L/360 (0.67") CALCULATED VERT. DEFL. (TL) = L/999 (0.09") CSI: TC=0.42/1.00 (F-G-1), BC=0.24/1.00 (I-K-1), WB=0.46/1.00 (G-1), SS=0.23/1.00 (F-G-1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00 COMPANION LIVE LOAD FACTOR = 1.00 AUTOSOLVE RIGHT HEEL ONLY TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 768 1987 1666 PLATE PLACEMENT TOL = 0.250 inches PLATE ROTATION TOL = 5.0 Deg. JSI GRIP= 0.76 (S) (INPUT = 0.90) JSI METAL= 0.39 (I) (INPUT = 1.00) DWG NO. TAM 71905352 STRUCTURAL COMPONENT ONLY			
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JOB NAME 401769	TRUSS NAME T12	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 12:18:42 2019 Page 1 ID:FkpukmLuzMYa3V5rZ5b8_zd?d=4uVYgP3m4TCdI59k7lwFIB5rZjwAGF1a6tbwQzJER	



CHORDS	SIZE	DRY	LUMBER	DESCR
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x6	DRY	No.2	SPF
M - J	2x6	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 1	12	TOP
C-E 1	12	TOP
E-G 1	12	TOP
G-H 1	12	TOP
M-B 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J 2	12	TOP
J-H 2	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (Table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW4	MT20	5.0	6.0	2.50	1.75
C	TTW4-m	MT20	5.0	6.0	2.00	1.75
D	TMW4-w	MT20	2.0	4.0		
E	TS-1	MT20	3.0	6.0		
F	TMW4-1	MT20	4.0	4.0		
G	TMW4	MT20	5.0	6.0	2.50	2.50
H	BMV4+p	MT20	3.0	6.0		
I	BMW4-1	MT20	5.0	6.0	2.50	2.50
J	BS-1	MT20	5.0	6.0		
K	BMW4-w	MT20	5.0	6.0		
L	BMW4	MT20	5.0	6.0		
M	BMV4+p	MT20	3.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
H	2575	0	0	1-8
M	1810	0	0	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1806	1285 / 0	0 / 0	0 / 0	0 / 0	540 / 0	0 / 0
M	1285	898 / 0	0 / 0	0 / 0	0 / 0	370 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 4.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.08 (1)	10.00	L-C	-293 / 0	0.04 (1)
B-C	-1995 / 0	-102.1 -102.1	0.18 (1)	6.13	B-L	0 / 1618	0.20 (1)
C-D	-2875 / 0	-102.1 -102.1	0.25 (1)	5.16	I-G	0 / 3784	0.47 (1)
D-E	-2875 / 0	-102.1 -102.1	0.38 (1)	5.00	C-K	0 / 1580	0.20 (1)
E-F	-2875 / 0	-102.1 -102.1	0.36 (1)	5.00	I-F	888 / 0	0.08 (1)
F-N	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-D	552 / 0	0.08 (1)
N-O	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77	K-M	552 / 0	0.08 (1)
O-P	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77			
P-G	-3128 / 0	-102.1 -102.1	0.40 (1)	4.77			
H-G	-2516 / 0	0.0 0.0	0.31 (1)	7.14			
M-B	-1779 / 0	0.0 0.0	0.08 (1)	7.89			
M-L	0 / 0	-17.5 -17.5	0.02 (4)	10.00			
L-K	0 / 1586	-17.5 -17.5	0.12 (1)	10.00			
K-J	0 / 3128	-17.5 -17.5	0.33 (1)	10.00			
J-Q	0 / 3128	-17.5 -17.5	0.33 (1)	10.00			
Q-I	0 / 3128	-17.5 -17.5	0.33 (1)	10.00			
I-R	0 / 0	-17.5 -17.5	0.08 (4)	10.00			
R-S	0 / 0	-17.5 -17.5	0.08 (4)	10.00			
S-T	0 / 0	-17.5 -17.5	0.08 (4)	10.00			
T-H	0 / 0	-17.5 -17.5	0.08 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
N	16-3-12	-123	-123		FRONT	VERT	TOTAL		
O	17-3-12	-123	-123		FRONT	VERT	TOTAL		
P	19-3-12	-128	-128		FRONT	VERT	TOTAL		
Q	14-4-8	-1378	-1378		FRONT	VERT	TOTAL		
R	15-3-12	-25	-25		FRONT	VERT	TOTAL		
S	17-3-12	-25	-25		FRONT	VERT	TOTAL		
T	19-3-12	-25	-25		FRONT	VERT	TOTAL		

TOTAL WEIGHT = 2 X 94 = 187 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.67)
CALCULATED VERT. DEFL.(LL) = L/999 (0.06)
ALLOWABLE DEFL.(TL) = L/360 (0.67)
CALCULATED VERT. DEFL.(TL) = L/999 (0.11)

CSI: TC=0.40/1.00 (F-G-1), SC=0.33/1.00 (H-K-1),
WB=0.47/1.00 (G-I-1), SS=0.45/1.00 (I-K-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

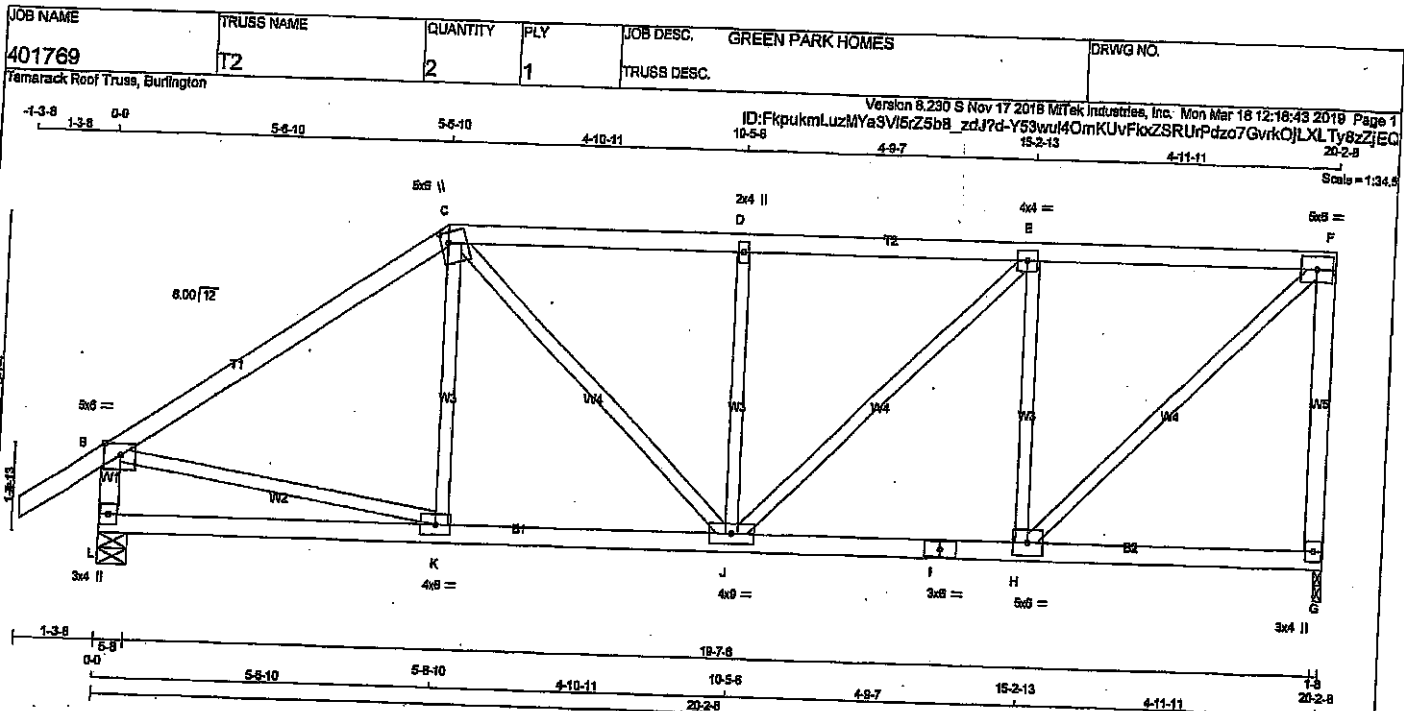
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN
MT20 618 354 1657 798 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)
JSI METAL= 0.42 (J) (INPUT = 1.00)

DWG NO. TAM 7705353
STRUCTURAL
COMPONENT ONLY



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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTWW+m	MT20	5.0	8.0	2.00	1.50
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-w	MT20	4.0	9.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

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

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	848	587/0	0/0	0/0	0/0	263/0	0/0
L	848	686/0	0/0	0/0	0/0	279/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	FACTORED	WEBS	FACTORED
MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
FR-TO	VERT. LOAD (PLF)	FR-TO	MAX. FORCE (LBS)
A-B	0/39	K-C	-88/59
B-C	-1237/0	B-K	0/1047
C-D	-102.1/0	H-F	0/1390
D-E	-102.1/0	C-J	0/407
E-F	-102.1/0	H-E	-888/0
F-G	-1173/0	J-D	-834/0
L-B	-1308/0	J-E	0/451
L-K	0/0		
K-J	0/1026		
J-I	0/899		
I-H	0/899		
H-G	0/0		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.87")
CALCULATED VERT. DEFL. (LL) = L/869 (0.04")
ALLOWABLE DEFL. (TL) = L/560 (0.67")
CALCULATED VERT. DEFL. (TL) = L/999 (0.08")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

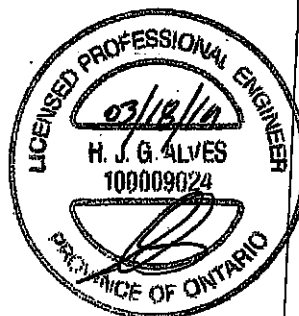
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

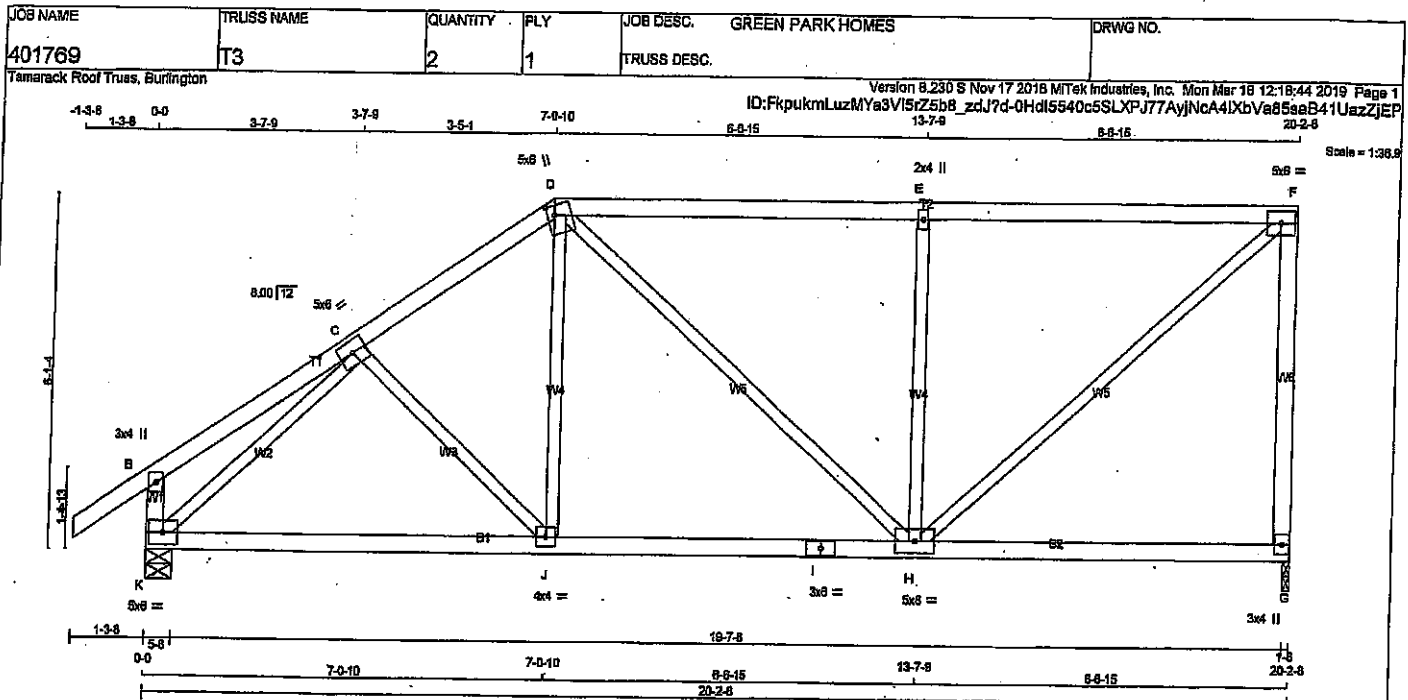
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

USI GRIP= 0.77 (3) (INPUT = 0.90)
USI METAL= 0.30 (4) (INPUT = 1.00)



DWG NO. TAM 7105354
STRUCTURAL
COMPONENT ONLY



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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT DRY, SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMV+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV+t-p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	6.0		

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

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

UNFACTORED REACTIONS		1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
G	849	587/0	0/0	0/0	0/0	283/0	0/0		
K	946	688/0	0/0	0/0	0/0	279/0	0/0		

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MEMB.	MAX. FORCE (LBS)	LC1 MAX (LC)	UNBRACED LENGTH (FT)
FR-TO				FR-TO			
A-B	0/39	-102.1	-102.1 0.14 (1)	10.00	C-J	-105/18	0.04 (1)
B-C	0/22	-102.1	-102.1 0.19 (1)	10.00	J-D	0/204	0.05 (4)
C-D	-1188/0	-102.1	-102.1 0.22 (1)	5.60	D-H	0/176	0.02 (1)
D-E	-1029/0	-102.1	-102.1 0.82 (1)	4.61	H-E	-833/0	0.49 (1)
E-F	-1029/0	-102.1	-102.1 0.82 (1)	4.61	H-F	0/1368	0.31 (1)
G-F	-1180/0	0.0	0.0 0.84 (1)	7.39	K-C	-1458/0	0.58 (1)
K-B	-280/0	0.0	0.0 0.03 (1)	7.81			
K-J	0/1044	-17.5	-17.5 0.27 (1)	10.00			
J-I	0/972	-17.5	-17.5 0.27 (4)	10.00			
I-H	0/972	-17.5	-17.5 0.27 (4)	10.00			
H-G	0/0	-17.5	-17.5 0.19 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL. (LL) = L/880 (0.67")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/880 (0.67")
CALCULATED VERT. DEFL. (TL) = L/999 (0.10")

CSI: TC=0.84/1.00 (F-G:1), BC=0.27/1.00 (J-K:1), WB=0.59/1.00 (C-K:1), SS=0.33/1.00 (E-P:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

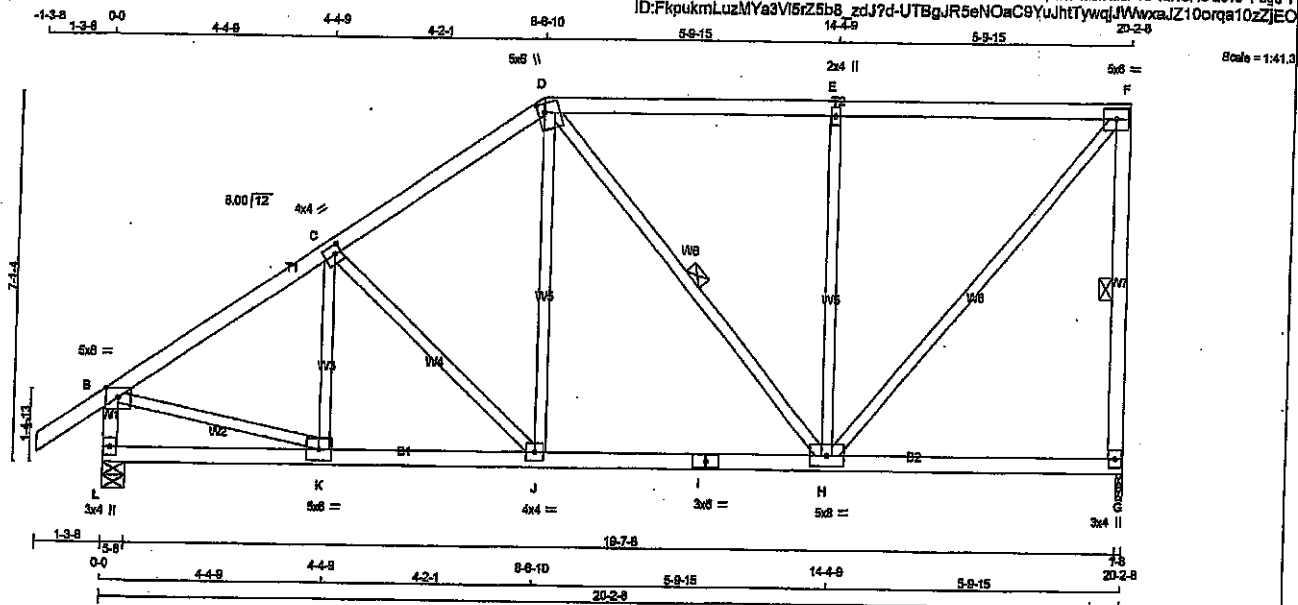


DWG NO. TAM 71905355
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T4	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGES 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
G	1208	0	0	1-3
L	1349	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
G	849	587/0	0/0	0/0	0/0	263/0
L	946	665/0	0/0	0/0	0/0	279/0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)	MAX. FACTORED VERT. LOAD (PL)
FR-TO									
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00	K-C	-193/10	0.05 (1)	
B-C	-1280/0	-102.1	-102.1	0.35 (1)	5.26	C-J	-289/0	0.18 (1)	
C-D	-1088/0	-102.1	-102.1	0.33 (1)	5.62	J-D	0/290	0.07 (1)	
D-E	-808/0	-102.1	-102.1	0.61 (1)	5.66	D-H	-114/0	0.08 (1)	
E-F	-809/0	-102.1	-102.1	0.61 (1)	5.66	H-E	-737/0	0.64 (1)	
G-F	-1167/0	0.0	0.0	0.27 (1)	5.90	H-F	0/1239	0.28 (1)	
L-B	-1315/0	0.0	0.0	0.14 (1)	7.05	B-K	0/1129	0.25 (1)	
L-K	0/0	-17.5	-17.5	0.07 (4)	10.00				
K-J	0/1096	-17.5	-17.5	0.22 (1)	10.00				
J-I	0/882	-17.5	-17.5	0.22 (1)	10.00				
I-H	0/882	-17.5	-17.5	0.22 (1)	10.00				
H-G	0/0	-17.5	-17.5	0.15 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

(65 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.61/1.00 (E-F:1), BC=0.22/1.00 (J-K:1), WB=0.84/1.00 (E-H:1), SSI=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

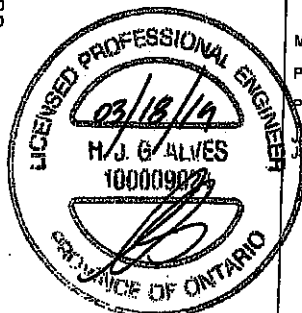
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	816	354 1667 788 1967 1656

PLATE PLACEMENT TOL = 0.250 inches

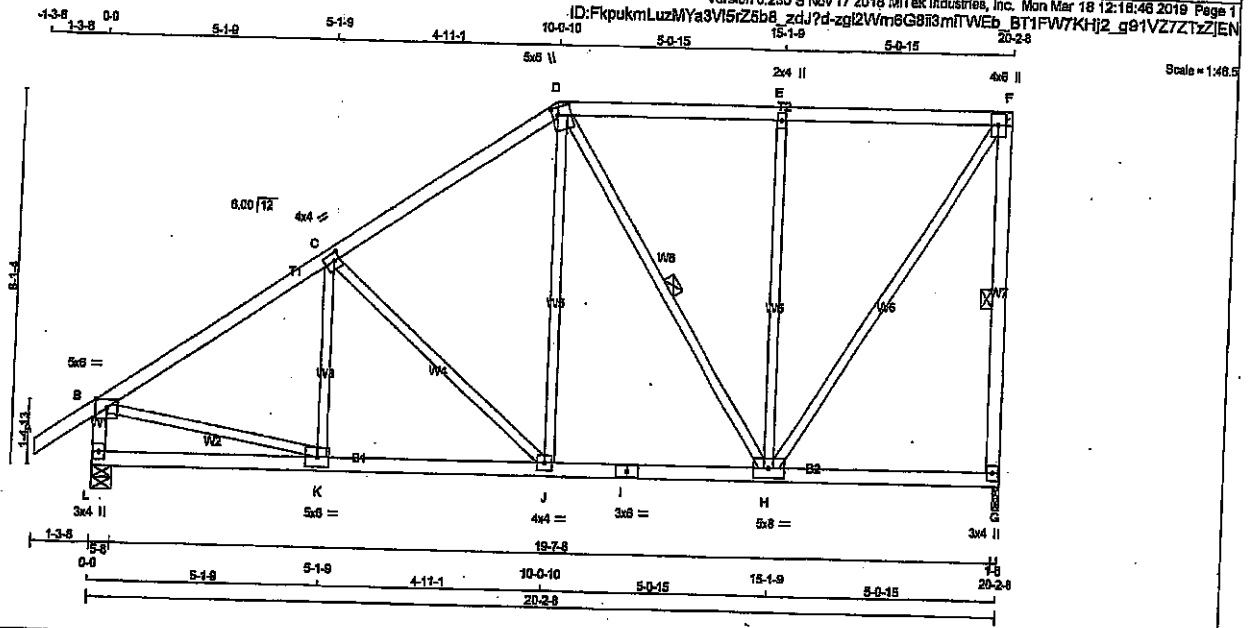
PLATE ROTATION TOL = 5.0 Deg.

JST GRIP= 0.78 (B) (INPUT = 0.80)
JST METAL= 0.31 (I) (INPUT = 1.00)



DWG NO. TAM 71905356
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T5	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 2 X 89 = 188 lb

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

DRY: SEASONED LUMBER.

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

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

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

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
G	848	587/0	0/0	0/0	0/0	263/0	0/0
L	848	608/0	0/0	0/0	0/0	278/0	0/0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	
		FROM	TO			LC1	LC2
A-B	0/38	-102.1	-102.1	0.14 (1)	10.00	K-C	-135/42
B-C	-1284/0	-102.1	-102.1	0.50 (1)	5.02	C-J	-433/0
C-D	-877/0	-102.1	-102.1	0.47 (1)	5.82	J-D	0/373
D-E	-836/0	-102.1	-102.1	0.45 (1)	6.25	D-H	-278/0
E-F	-837/0	-102.1	-102.1	0.45 (1)	6.25	H-E	-841/0
G-F	-1171/0	0.0	0.0	0.35 (1)	5.90	H-F	0/1162
L-B	-1311/0	0.0	0.0	0.14 (1)	7.05	B-K	0/1128
L-K	0/0	-17.5	-17.5	0.11 (4)	10.00		
K-J	0/1105	-17.5	-17.5	0.23 (1)	10.00		
J-I	0/787	-17.5	-17.5	0.18 (1)	10.00		
I-H	0/787	-17.5	-17.5	0.18 (1)	10.00		
H-G	0/0	-17.5	-17.5	0.11 (4)	10.00		

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

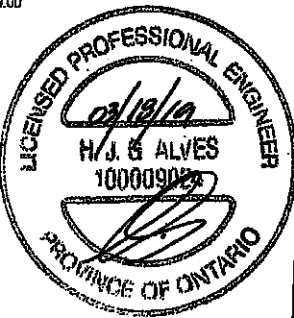
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 6.0 Deg.

JSI GRIP= 0.77 (B) (INPUT = 0.80)
JSI METAL= 0.28 (F) (INPUT = 1.00)



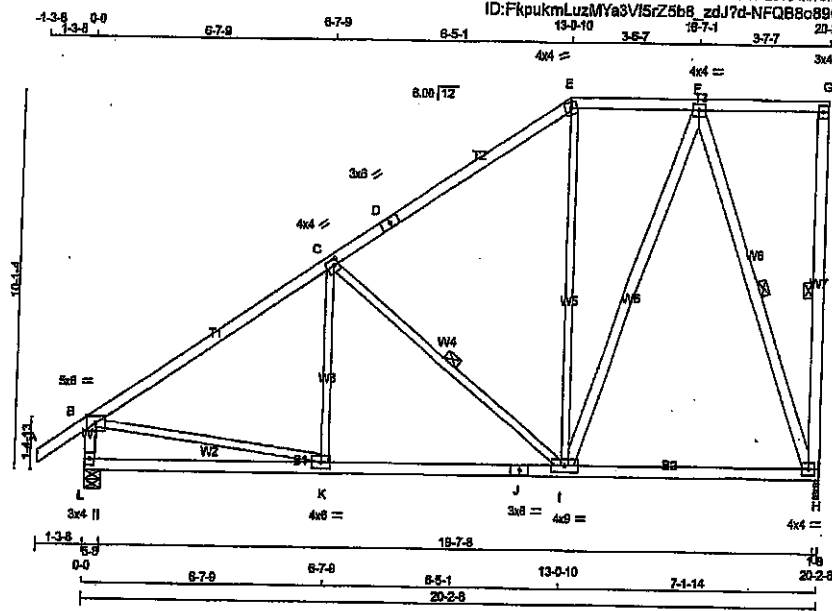
DRWG NO. TAM 71905357
STRUCTURAL
COMPONENT ONLY

DWG NO. TAM 11905358
STRUCTURAL
COMPONENT ONLY

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 12:18:49 2019 Page 1
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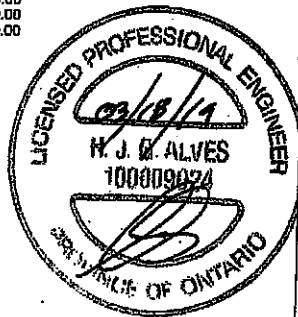
Diagram showing structural members and dimensions:

- Members: 1-3-8, 0-0, 6-7-9, 6-7-9, 8-5-1, 20-2-8, 3-6-7, 3-7-7, 3x4 11
- Dimensions: 13-8, 13-8, 6-7-9, 13-8-10, 18-7-1, 3-6-7, 3-7-7, 4x4 =, 3x4 11
- Scale: Scale = 1/8" = 1'-0"



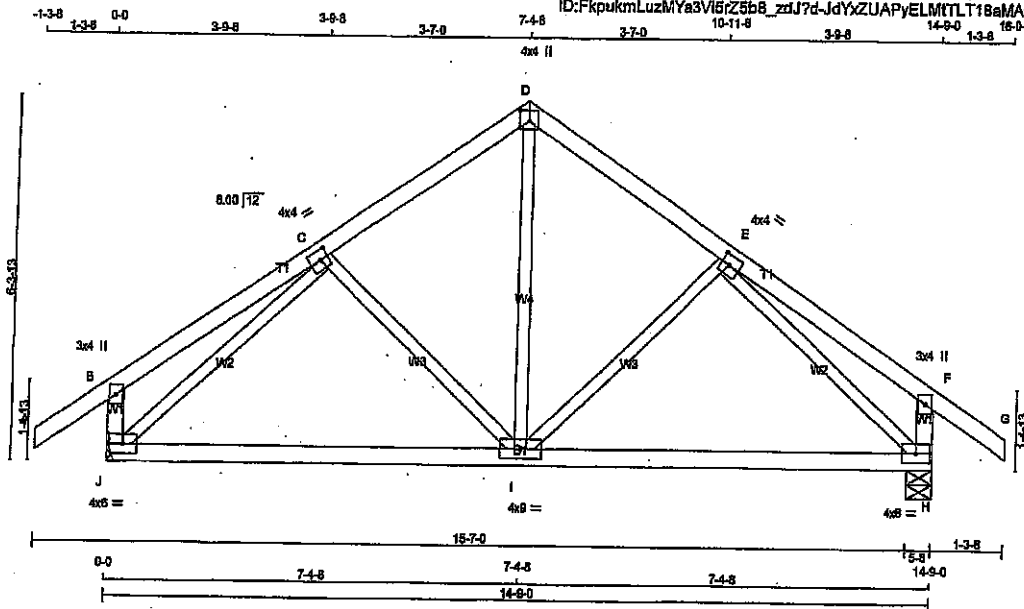
PLATES		Table 1a in inches			
JT	TYPE	PLATES	W	LEN	Y X
B	TMWV-p	MT20	5.0	8.0	Edge
C	TMWV-t	MT20	4.0	4.0	2.00 1.50
D	TS-t	MT20	3.0	6.0	
E	TVW-m	MT20	4.0	4.0	
F	TMWV-t	MT20	4.0	4.0	
G	TMW-p	MT20	3.0	4.0	
H	BMWV-t	MT20	4.0	4.0	
I	BMWVW-t	MT20	4.0	8.0	
J	SS-t	MT20	3.0	6.0	
K	BMWV-t	MT20	4.0	6.0	
L	BMWV-p	MT20	3.0	4.0	

DWG NO. TAM 71905359
STRUCTURAL
COMPONENT ONLY



JOB NAME 401769	TRUSS NAME T8	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

PLATES (table is in inches)

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

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	1022	0	1022	0	0	5-8	5-8
H	1022	0	1022	0	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	716	508 / 0	0 / 0	0 / 0	0 / 0	208 / 0	0 / 0
H	716	508 / 0	0 / 0	0 / 0	0 / 0	208 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	I-D	0 / 456	0.10 (1)
B-C	0 / 24	-102.1 -102.1	0.22 (1)	10.00	I-E	-215 / 0	0.09 (1)
C-D	-698 / 0	-102.1 -102.1	0.17 (1)	6.25	C-I	-215 / 0	0.09 (1)
D-E	-698 / 0	-102.1 -102.1	0.17 (1)	6.25	J-C	-993 / 0	0.41 (1)
E-F	0 / 24	-102.1 -102.1	0.22 (1)	10.00	E-H	-993 / 0	0.41 (1)
F-G	0 / 39	-102.1 -102.1	0.14 (1)	10.00			
J-B	-265 / 0	0.0 0.0	0.03 (1)	7.81			
H-F	-265 / 0	0.0 0.0	0.03 (1)	7.81			
J-I	0 / 716	-17.5 -17.5	0.32 (4)	10.00			
I-H	0 / 716	-17.5 -17.5	0.32 (4)	10.00			

TOTAL WEIGHT = 4 X 83 = 253 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.49")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.49")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

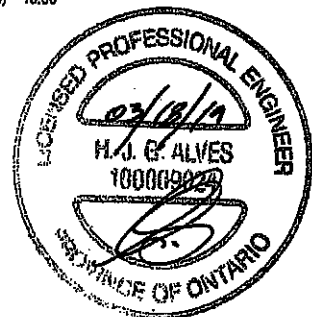
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1657 788

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.72 (C) (INPUT = 0.90)
JSI METAL = 0.35 (C) (INPUT = 1.00)



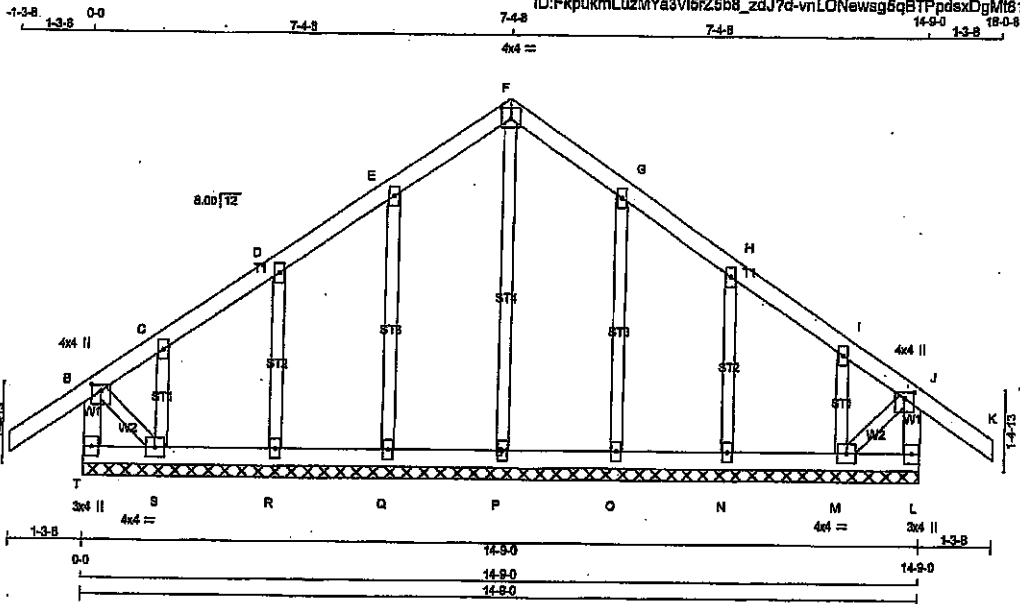
DRWG NO. TAM **71905360**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G8	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32"

TOTAL WEIGHT = 65 lb

LUMBER

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

GABLE STUDS SPACED AT 2'-0" OC.

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)

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	4.0	4.0	1.25	2.00
C, D, E, G, H, I					
C TMW+w	MT20	2.0	4.0		
F TTW+p	MT20	4.0	4.0	2.25	2.00
J TMW+p	MT20	4.0	4.0	1.25	2.00
L BMW1+p	MT20	3.0	4.0		
M BMWW1-t	MT20	4.0	4.0		
N, O, P, Q, R					
N BMW1+w	MT20	2.0	4.0		
S BMWW1-t	MT20	4.0	4.0		
T BMW1+p	MT20	3.0	4.0		

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	FACTORED (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	FACTORED (LBS)
FR-TO				FR-TO			
T-B	-303/0	0.0	0.0 (1)	P-F	-160/0	0.10 (1)	
A-B	0/39	-102.1	-102.1 (1)	Q-E	-229/0	0.08 (1)	
B-C	-82/0	-102.1	-102.1 (1)	R-D	-211/0	0.05 (1)	
C-D	-14/0	-102.1	-102.1 (1)	S-C	-88/0	0.01 (1)	
D-E	-13/0	-102.1	-102.1 (1)	O-G	-229/0	0.08 (1)	
E-F	-22/0	-102.1	-102.1 (1)	N-H	-211/0	0.05 (1)	
F-G	-22/0	-102.1	-102.1 (1)	M-I	-88/0	0.01 (1)	
G-H	-13/0	-102.1	-102.1 (1)	B-S	0/27	0.01 (1)	
H-I	-14/0	-102.1	-102.1 (1)	M-J	0/27	0.01 (1)	
I-J	-82/0	-102.1	-102.1 (1)				
J-K	0/39	-102.1	-102.1 (1)				
L-J	-303/0	0.0	0.0 (1)				
T-S	0/0	-17.5	-17.5 (1)				
S-R	0/18	-17.5	-17.5 (1)				
R-Q	0/12	-17.5	-17.5 (1)				
Q-P	0/8	-17.5	-17.5 (1)				
P-O	0/8	-17.5	-17.5 (1)				
O-N	0/12	-17.5	-17.5 (1)				
N-M	0/18	-17.5	-17.5 (1)				
M-L	0/0	-17.5	-17.5 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(5% OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B:1), BC=0.01/1.00 (M-N:4), WB=0.10/1.00 (F-P:1), SI=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

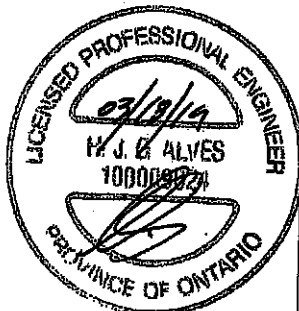
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

FLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MT20	818	354
	1687	788
	1587	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

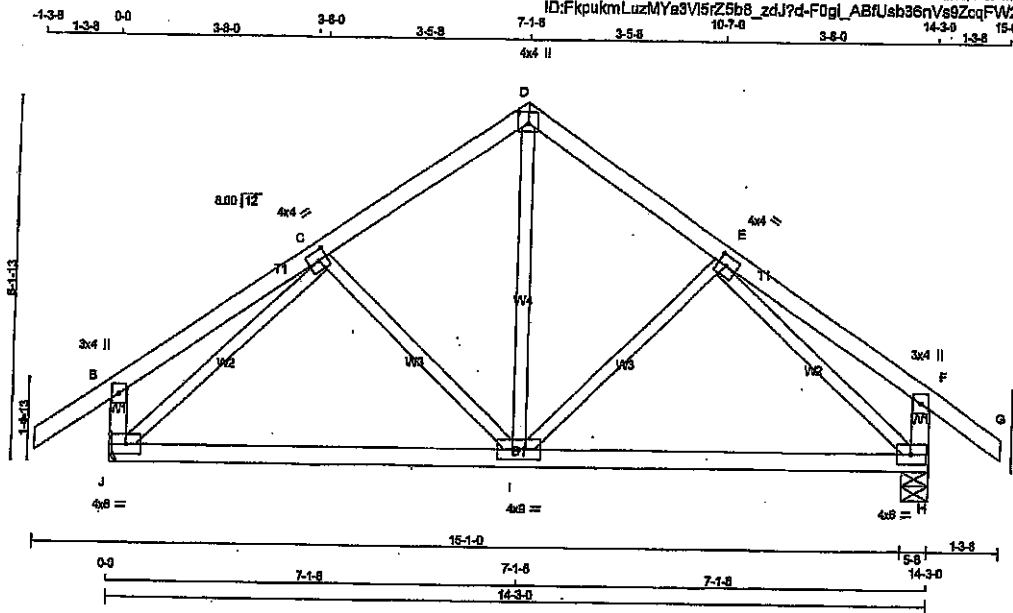
JSI GRIP= 0.21 (J) (INPUT = 0.50)
JSI METAL= 0.12 (G) (INPUT = 1.00)



DWG NO. TAM 77905361
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T9	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1/32

LUMBER				
N. L. G. A. RULES				
CHORDS		SIZE		LUMBER
A - D	2x4	DRY		No.2
D - G	2x4	DRY		No.2
J - B	2x4	DRY		No.2
H - F	2x4	DRY		No.2
J - H	2x4	DRY		No.2
ALL WEBS		2x8	DRY	No.2
EXCEPT				
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

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

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	992	0	992	0	0	5-8	5-8
H	992	0	992	0	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	COMBINED	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
H	COMBINED	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 39	-102.1 -102.1	0.14 (1)	1-D	0 / 435	0.10 (1)	
B-C	0 / 23	-102.1 -102.1	0.20 (1)	1-E	-203 / 0	0.08 (1)	
C-D	-870 / 0	-102.1 -102.1	0.18 (1)	1-F	-203 / 0	0.08 (1)	
D-E	-870 / 0	-102.1 -102.1	0.16 (1)	1-G	-954 / 0	0.37 (1)	
E-F	0 / 23	-102.1 -102.1	0.20 (1)	1-H	-954 / 0	0.37 (1)	
F-G	0 / 39	-102.1 -102.1	0.14 (1)				
G-H	-280 / 0	0.0	0.03 (1)				
H-F	-280 / 0	0.0	0.03 (1)				
I-J	0 / 684	-17.5	-17.5 0.30 (4)				
J-H	0 / 684	-17.5	-17.5 0.30 (4)				

TOTAL WEIGHT = 2 X 61 = 123 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL. (LL) = 1/360 (0.47")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.02")
ALLOWABLE DEFL. (TL) = 1/360 (0.47")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.08")

CS1: TC=0.20/1.00 (B-C:1), BC=0.30/1.00 (I-J:4), WS=0.37/1.00 (C-J:1), SS=0.15/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

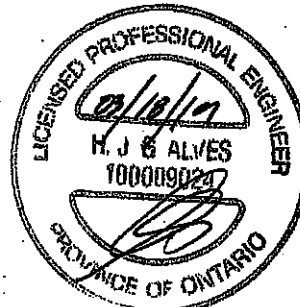
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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

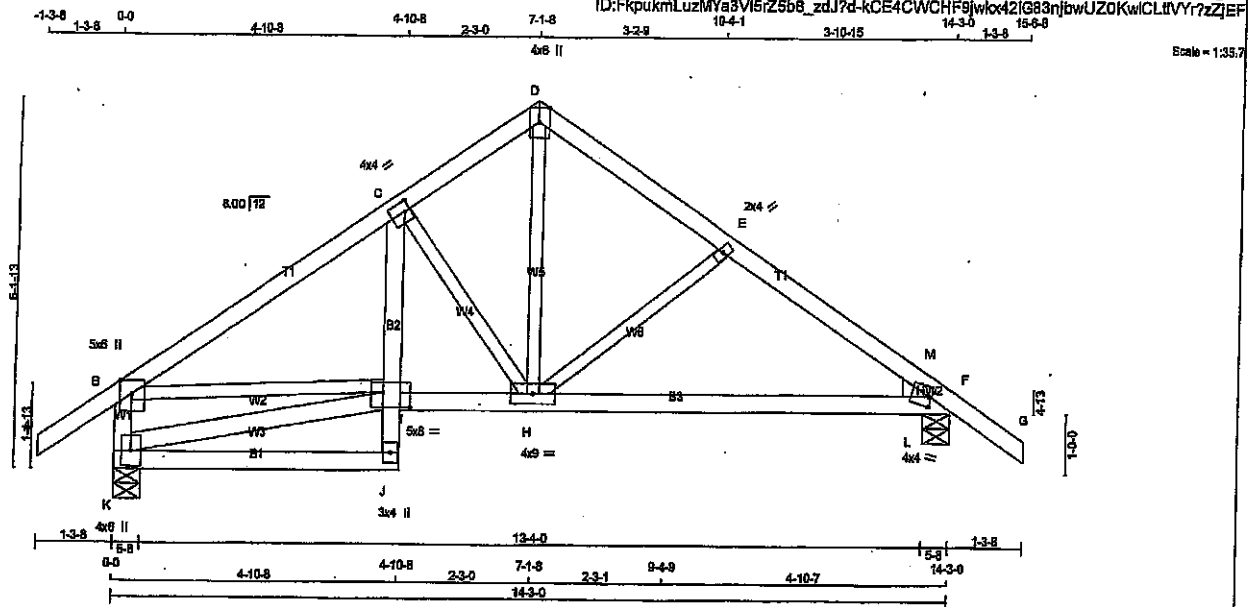


DWG NO. TAM **T905363**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T9S	2	1	TRUSS DESC.		

Tannerack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 64 = 128 lb

LUMBER

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

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
K - I	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT. TYPE	PLATES	W	LEN	Y	X
B - TMVW+p	MT20	5.0	6.0	Edge	
C - TMVW-t	MT20	4.0	4.0	2.00	1.00
D - TVW+p	MT20	4.0	6.0	Edge	
E - TMVW+w	MT20	2.0	4.0		
F - TMSH-t	MT20	4.0	4.0	2.00	0.50
H - BMVWVW-t	MT20	4.0	8.0		
I - BMVWVW-t	MT20	5.0	8.0	3.00	5.50
J - BMV+p	MT20	3.0	4.0		
K - BMVW1+p	MT20	4.0	8.0		

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

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

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

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	685	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0
F	685	493 / 0	0 / 0	0 / 0	0 / 0	202 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-I	-21 / 0
B-C	-1043 / 0	-102.1	-102.1	0.26 (1)	5.82	B-I	0 / 887
C-D	-818 / 0	-102.1	-102.1	0.21 (1)	6.25	H-D	0 / 889
D-E	-785 / 0	-102.1	-102.1	0.15 (1)	8.25	C-H	-421 / 0
E-M	-1083 / 0	-102.1	-102.1	0.15 (1)	5.88	H-E	-372 / 0
M-F	-1230 / 0	-102.1	-102.1	0.08 (4)	5.75	L-M	0 / 113
F-G	0 / 36	-102.1	-102.1	0.14 (1)	10.00		
K-B	-947 / 0	0.0	0.0	0.10 (1)	7.81		
K-J	0 / 20	-17.5	-17.5	0.12 (4)	10.00		
J-I	0 / 46	0.0	0.0	0.03 (1)	10.00		
I-C	0 / 35	0.0	0.0	0.03 (1)	10.00		
I-H	0 / 893	-17.5	-17.5	0.24 (1)	10.00		
H-L	0 / 633	-17.5	-17.5	0.24 (1)	10.00		
L-F	0 / 833	-17.5	-17.5	0.16 (1)	10.00		

DESIGN CRITERIA

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

SPACING = 24.0 IN. G.C.

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

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

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

ALLOWABLE DEF. (LL) = L/360 (0.48")
CALCULATED VERT. DEF. (LL) = 1/999 (0.03")
ALLOWABLE DEF. (TL) = L/360 (0.48")
CALCULATED VERT. DEF. (TL) = 1/999 (0.03")

CSI: TC=0.28/1.00 (B-C-1), BC=0.24/1.00 (H-L-1), WB=0.20/1.00 (B-I-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

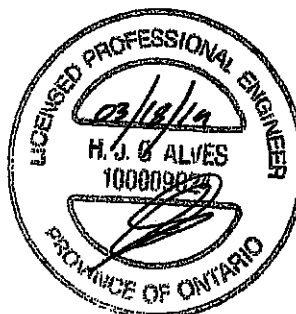
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN 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 = 0.78 (F) (INPUT = 0.90)
JSI METAL = 0.47 (F) (INPUT = 1.00)

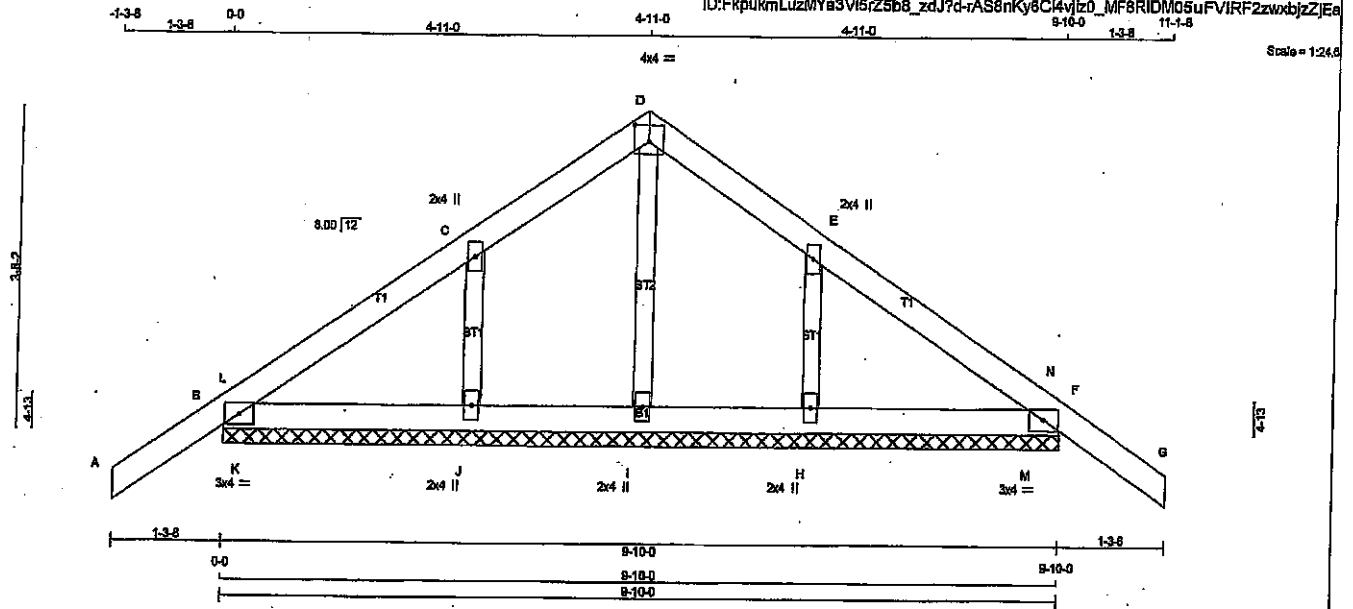


DRWG NO. TAM 71905364
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	G10	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15/Z5b8_zdJ7d-rAS8nKy6CI4vIzD_MF8RIDM05uFVIRF2xwxbjzZJJa



TOTAL WEIGHT = 34 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - D 2x4 DRY

D - G 2x4 DRY

B - F 2x4 DRY

ALL WEBS 2x3 DRY

ALL GABLE WEBS 2x3 DRY

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 24-0 OC.

LUMBER

CHORDS

A - D 2x4

D - G 2x4

B - F 2x4

ALL WEBS 2x3

ALL GABLE WEBS 2x3

DRY: SEASONED LUMBER.

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

SPF

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

FROM TO

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

WEBS

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

MEMB.

MAX. FACTORED

FORCE

(LBS)

CS1 (LC)

MAX.

UNBRAC

LENGTH

FR-TO

PLATES (table is in inches)

JT TYPE

PLATES

W

LEN

Y

X

B TMB1-I MT20 3.0 4.0

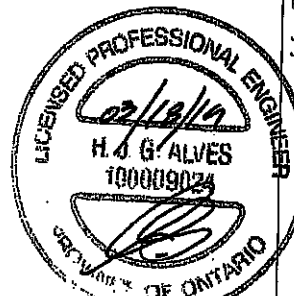
C TMBW-w MT20 2.0 4.0

D TTBW-p MT20 4.0 4.0 2.25 2.00

E TMBW-w MT20 2.0 4.0

F TMB1-I MT20 3.0 4.0

H TMBW1-w MT20 2.0 4.0



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.0 PSF

TOTAL LOAD = 42.0 PSF

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL

OR SMALL BUILDING REQUIREMENTS OF

PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F.

RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED

ROOF LIVE LOAD

CS1: TC=0.14/1.00 (F-G:1), BC=0.08/1.00 (B-K:1),

WB=0.04/1.00 (E-H:1), BS=0.12/1.00 (F-M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN

THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

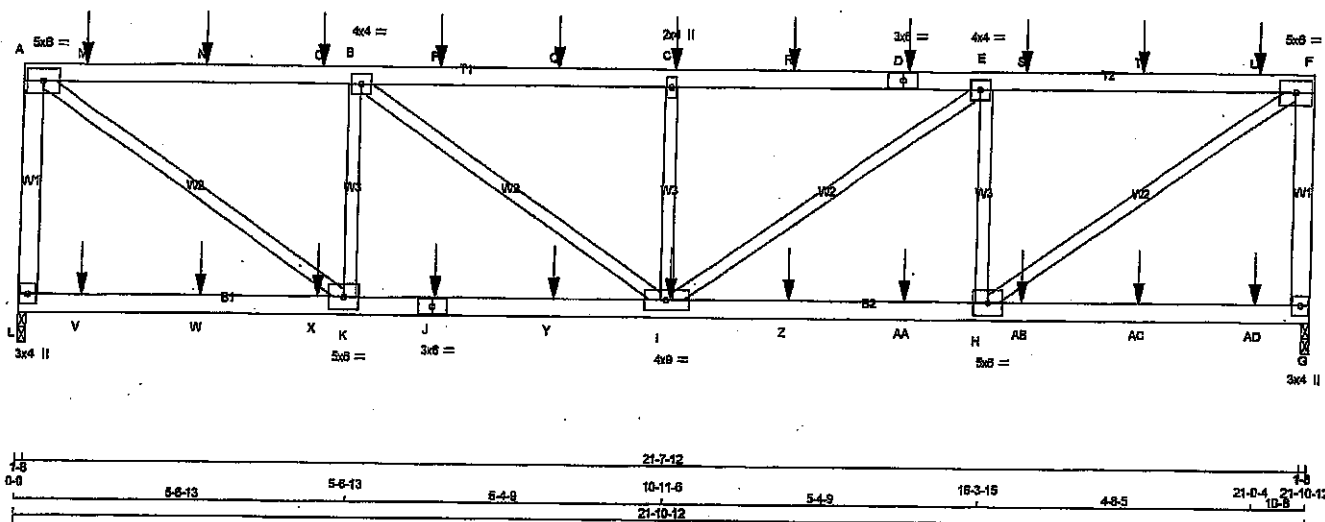
JSI GRIP= 0.25 (F) (INPUT = 0.80)

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

DRWG NO. TAM 7905365
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T11	QUANTITY 2	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID: FkpukmLuzMYaSVISrZ5b6_zdJ?d-gbLqoBEYnnzazFERqhAXs8gDwMhGd1dK2_vuzZJED
21-0-4 21-10-12 10-9
Scale = 1:35.6



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

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(61.0)
D-F	12	SIDE(0.0)
F-G	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(61.0)
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	TMVW-t	MT20	5.0	6.0		
B	TMVW-t	MT20	4.0	4.0		
C	TMVW-t	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV-t	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BMVW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	5.0	6.0		
L	BMV-t	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	IN-SX	IN-SX
L	2119	0	2119	0	0	1-8	1-8		
G	2134	0	2134	0	0	1-8	1-8		

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 4.66 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING		TOTAL LOAD CASES: (4)	
CHORDS	WEBS	CHORDS	WEBS

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO									
L-A	-2050 / 0	0.0	0.0	0.28 (1)	7.72	H-F	0 / 2988	0.37 (1)	
A-M	-2488 / 0	-102.1	-102.1	0.45 (1)	5.16	A-K	0 / 2991	0.37 (1)	
M-N	-2488 / 0	-102.1	-102.1	0.45 (1)	5.16	H-E	-1502 / 0	0.20 (1)	
N-O	-2488 / 0	-102.1	-102.1	0.45 (1)	5.16	K-B	-1503 / 0	0.20 (1)	
O-B	-2488 / 0	-102.1	-102.1	0.45 (1)	5.16	I-E	0 / 824	0.10 (1)	
B-P	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66	B-I	0 / 821	0.10 (1)	
P-Q	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66	I-C	-805 / 0	0.11 (1)	
Q-C	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66				
C-R	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66				
R-D	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66				
D-E	-3139 / 0	-102.1	-102.1	0.47 (1)	4.66				
E-S	-2488 / 0	-102.1	-102.1	0.45 (1)	5.15				
S-T	-2488 / 0	-102.1	-102.1	0.45 (1)	5.15				
T-U	-2488 / 0	-102.1	-102.1	0.45 (1)	5.15				
U-F	-2488 / 0	-102.1	-102.1	0.45 (1)	5.15				
G-F	-2062 / 0	0.0	0.0	0.28 (1)	7.70				
L-V	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
V-W	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
W-X	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
X-K	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
K-J	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
J-Y	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
Y-I	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
I-Z	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
Z-AA	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
AA-H	0 / 2488	-17.5	-17.5	0.28 (1)	10.00				
H-AB	0 / 0	-17.5	-17.5	0.28 (1)	10.00				
AB-AC	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
AC-AD	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
AD-G	0 / 0	-17.5	-17.5	0.12 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)		LOC.		MAX.		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.
C	11-0-4	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123
D	15-0-4	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123
I	11-0-4	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
J	7-0-4	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
M	1-0-4	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123
N	3-0-4	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123	-123

TOTAL WEIGHT = 4 X 87 = 348 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. GC

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

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

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

(65 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/989 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/989 (0.12")

CSI: TC=0.47/1.00 (C-E:1), BC=0.20/1.00 (H-I:1), WB=0.37/1.00 (A-K:1), SS=0.25/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1867 1555

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

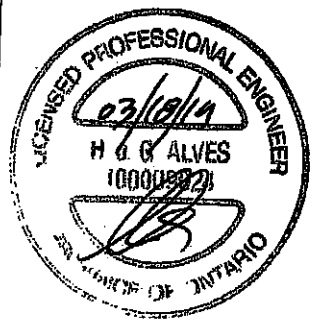
DWG NO. TAM 77905366
STRUCTURAL
COMPONENT ONLY 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T11	2	2	TRUSS DESC.		
Temarack Roof Truss, Burlington						

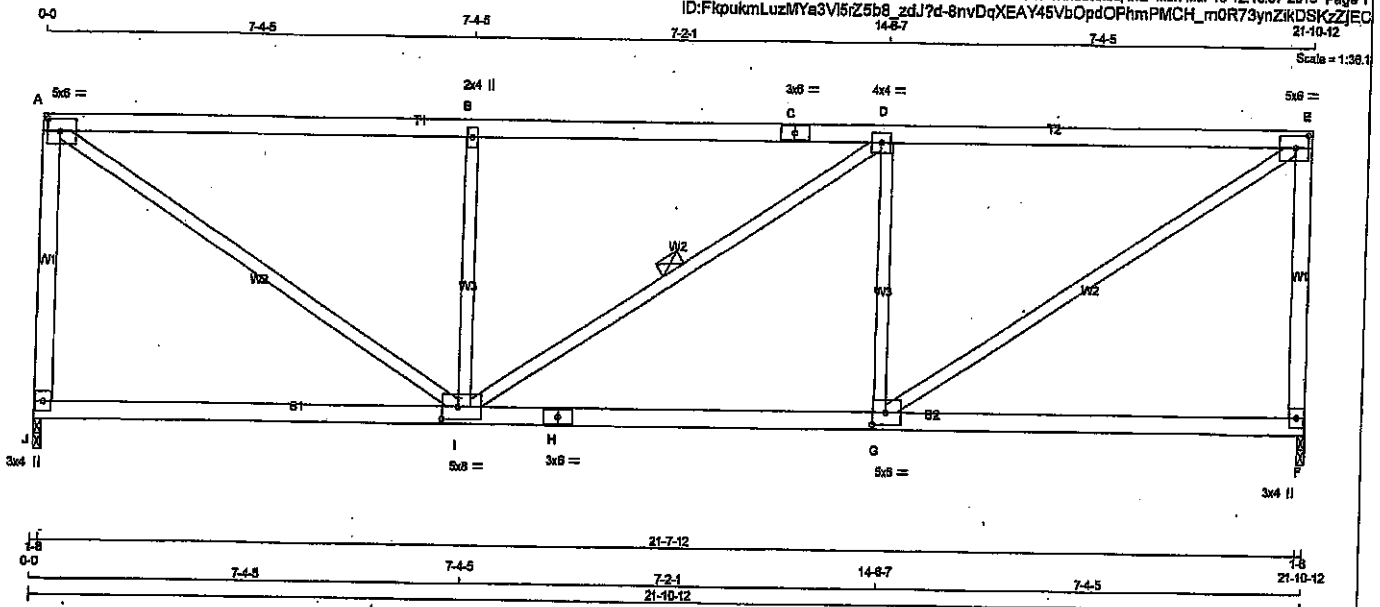
Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mod Mar 18 12:18:56 2019 Page 2
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FACTORED CONCENTRATED LOADS (LBS)									
	LOC	LC1	MAX	MAX+	FACE	DIR	TYPE	HEEL	CONN.
JT	5-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
OP	7-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
PQ	9-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
QR	13-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
ST	17-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
TU	19-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
UV	21-0-4	-123	-123	—	BACK	VERT	TOTAL	—	—
VW	1-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
WX	3-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
XY	5-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
YZ	9-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
ZA	13-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
AB	15-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
AC	17-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
AD	19-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—
	21-0-4	-25	-25	—	BACK	VERT	TOTAL	—	—



DRWG NO. TAM 17905766
STRUCTURAL
COMPONENT ONLY 3/2

JOB NAME 401769	TRUSS NAME T12	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 8 Nov 17 2016 Mitek Industries, Inc. Mon Mar 18 12:18:57 2019 Page 1		ID:FkpukmLuzMYa3Vl5iZ5b8_zdJ?d=8nvDqXEAY45VbOpdOPhmPMCH_m0R73ynZIKDSKzJEC	



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

PLATES (table to be in inches)				
JT TYPE	PLATES	W	LEN	Y X
A	TMVW-1	MT20	5.0	6.0 2.50 2.75
B	TMVW-w	MT20	2.0	4.0
C	TS-1	MT20	3.0	6.0
D	TMVW-1	MT20	4.0	4.0
E	TMVW-1	MT20	5.0	6.0 2.50 2.75
F	BMV1+p	MT20	3.0	4.0
G	BMVW-1	MT20	5.0	6.0 2.50 2.75
H	BS-1	MT20	3.0	6.0
I	BMVW-1	MT20	5.0	6.0 2.50 3.25
J	BMV1+p	MT20	3.0	4.0

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

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

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
J-A	-1258 / 0	0.0	0.0 0.55 (1)	G-E	0 / 1740	0.39 (1)	
A-B	-1455 / 0	-102.1	-102.1 0.80 (1)	A-I	0 / 1739	0.39 (1)	
B-C	-1455 / 0	-102.1	-102.1 0.89 (1)	G-D	-814 / 0	0.31 (1)	
C-D	-1455 / 0	-102.1	-102.1 0.89 (1)	I-B	-813 / 0	0.31 (1)	
D-E	-1457 / 0	-102.1	-102.1 0.80 (1)	I-D	-1 / 0	0.00 (1)	
F-E	-1258 / 0	0.0	0.0 0.55 (1)				
J-I	0 / 0	-17.5	-17.5 0.21 (4)				
I-H	0 / 1457	-17.5	-17.5 0.35 (1)				
H-G	0 / 1457	-17.5	-17.5 0.35 (1)				
G-F	0 / 0	-17.5	-17.5 0.21 (4)				

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

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 37.5 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.90/1.00 (D-E:1), BC=0.35/1.00 (G-I:1), WS=0.39/1.00 (E-G:1), SS=0.35/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

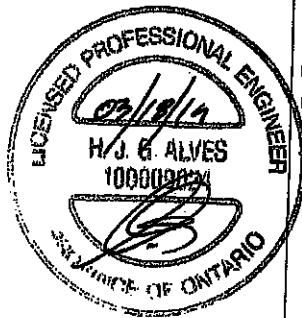
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

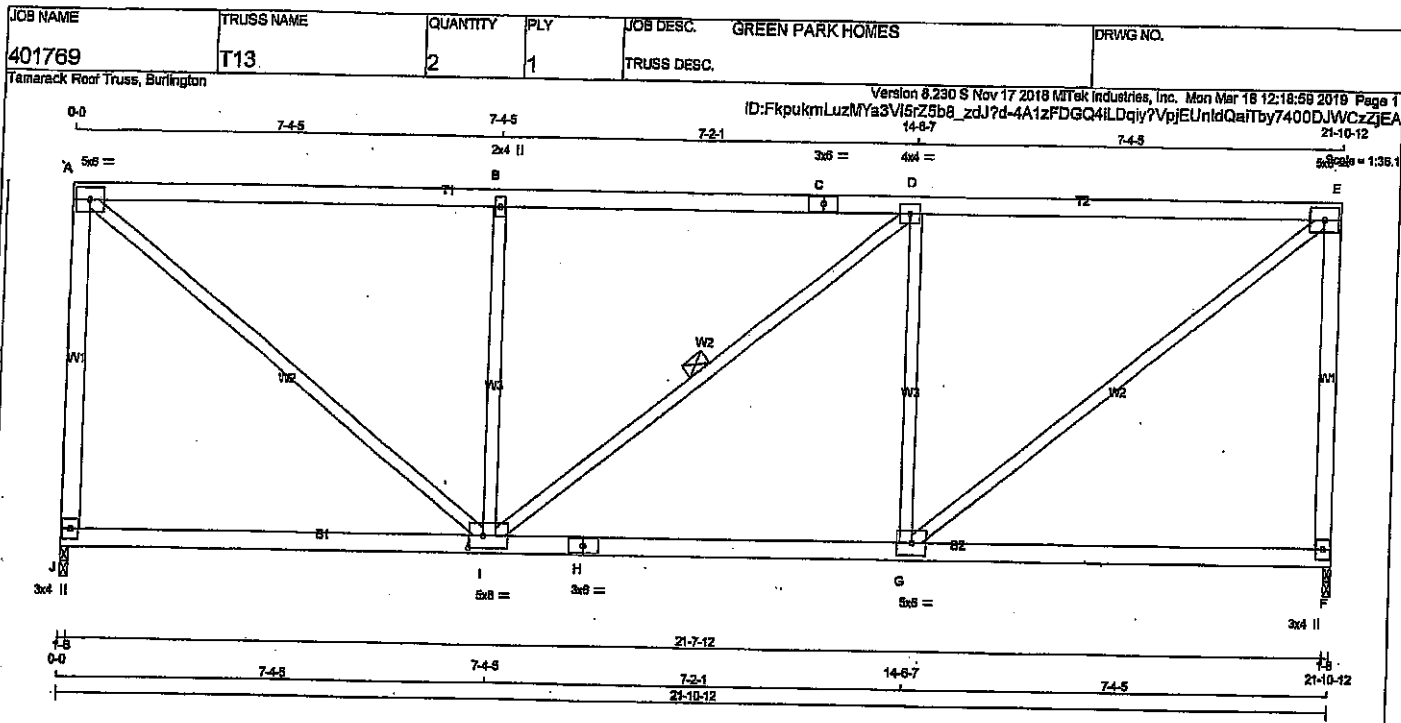
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



DRWG NO. TAM 7705367
STRUCTURAL
COMPONENT ONLY



LUMBER

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMW-t	MT20	5.0	6.0		
B - TMW-w	MT20	2.0	4.0		
C - TS-t	MT20	3.0	6.0		
D - TMW-t	MT20	4.0	4.0		
E - TMW-t	MT20	5.0	6.0		
F - BMV-t-p	MT20	3.0	4.0		
G - BMW-t	MT20	5.0	6.0		
H - BS-t	MT20	3.0	6.0		
I - BMW-t	MT20	5.0	6.0	2.50	3.00
J - BMV-t-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		
J	1309	0	1309	0	1-8	1-8
F	1309	0	1309	0	1-8	1-8

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

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX				MAX. UNBRACED LENGTH FR-TO	WEBS MEMB. FORCE (LBS)	MAX. FACTORED FORCE (LBS)
		FROM	TO	CS1 (LC)	CS2 (LC)			
J-A	-1256 / 0	0.0	0.0	0.91 (1)	7.17	G-E	0 / 1538	0.35 (1)
A-B	-1208 / 0	-102.1	-102.1	0.88 (1)	4.35	A-I	0 / 1536	0.35 (1)
B-C	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	G-D	-814 / 0	0.48 (1)
C-D	-1208 / 0	-102.1	-102.1	0.88 (1)	4.32	I-B	-813 / 0	0.48 (1)
D-E	-1207 / 0	-102.1	-102.1	0.88 (1)	4.32	I-D	-2 / 0	0.00 (1)
E-F	-1256 / 0	0.0	0.0	0.91 (1)	7.17			
J-I	0 / 0	-17.5	-17.5	0.21 (4)	10.00			
I-H	0 / 1207	-17.5	-17.5	0.31 (1)	10.00			
H-G	0 / 1207	-17.5	-17.5	0.31 (1)	10.00			
G-F	0 / 0	-17.5	-17.5	0.21 (4)	10.00			

TOTAL WEIGHT = 2 X 93 = 186 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN/OC

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

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/689 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/689 (0.12")

CS1: TC=0.91/1.00 (E-F-1), BC=0.31/1.00 (G-I-1), WB=0.48/1.00 (D-G-1), SS=0.35/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

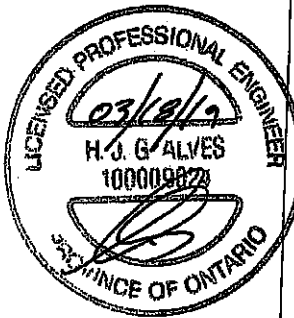
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MN MAX MIN MAX MIN
MT20 618 354 1867 788 1867 1856

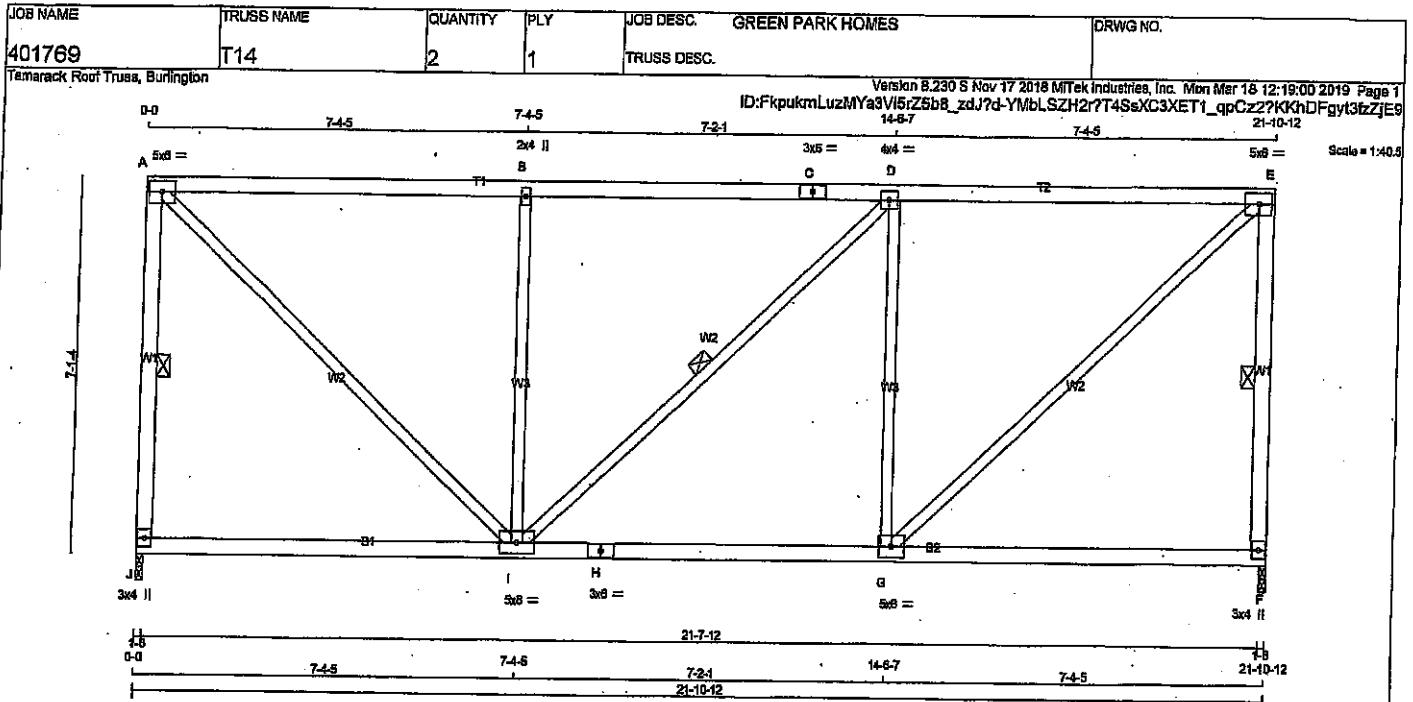
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.74 (E) (INPUT = 0.90)
SI METAL= 0.35 (H) (INPUT = 1.00)



DWG NO. TAM 17405368
STRUCTURAL
COMPONENT ONLY



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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMVW-t	MT20	5.0	6.0
B	TMVW-w	MT20	2.0	4.0
C	TS-t	MT20	3.0	6.0
D	TMVW-t	MT20	4.0	4.0
E	TMVW-t	MT20	5.0	6.0
F	BMVt-p	MT20	3.0	4.0
G	BMVW-t	MT20	5.0	6.0
H	BS-t	MT20	3.0	6.0
I	BMVWVW-t	MT20	5.0	6.0
J	BMVt-p	MT20	3.0	4.0

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

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

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	JT	COMBINED	JT	COMBINED
J	920	J	920	J	920
F	920	F	920	F	920

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.63 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX. FACTORED (PLF)	MAX. FACTORED (LC1)
FR-TO		FROM TO	CS1 (LC)	FR-TO		CS1 (LC)	
J-A	-1255 / 0	0.0	0.0 0.29 (1)	G-E	0 / 1404	0.32 (1)	
A-B	-1029 / 0	-102.1	-102.1 0.83 (1)	A-I	0 / 1402	0.32 (1)	
B-C	-1029 / 0	-102.1	-102.1 0.83 (1)	G-D	-814 / 0	0.71 (1)	
C-D	-1029 / 0	-102.1	-102.1 0.83 (1)	I-B	-813 / 0	0.71 (1)	
D-E	-1030 / 0	-102.1	-102.1 0.84 (1)	I-D	-2 / 0	0.00 (1)	
E-F	-1257 / 0	0.0	0.0 0.29 (1)				
J-I	0 / 0	-17.5	-17.5 0.21 (4)				
I-H	0 / 1030	-17.5	-17.5 0.29 (4)				
H-G	0 / 1030	-17.5	-17.5 0.29 (4)				
G-F	0 / 0	-17.5	-17.5 0.21 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 088-09, CSA 088-14
- TPO 2011, TPC 2014

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

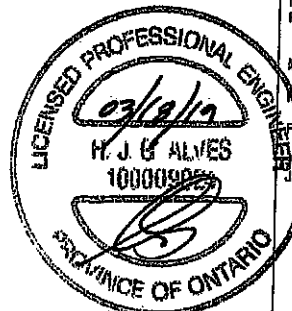
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 516 354 1667 788 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

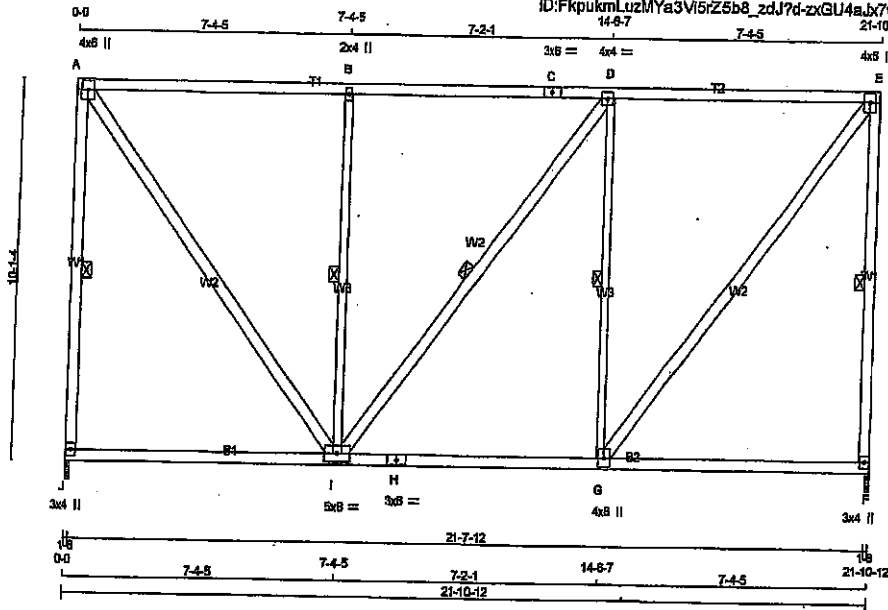


DRWG NO. TAM 1405369
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401769	T17	6	1	TRUSS DESC.		

Tamersack Roof Truss, Burlington

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ID:FkpukmluzMYa3V5rZ5b8_zdJ7d-zxGU4abx7wstJGnkfoAfdSL1B42XkgfxeBXf_zzJEB



TOTAL WEIGHT = 6 X 128 = 768 lb

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

DRY: SEASONED LUMBER.

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

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

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

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

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

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

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

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

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

LOADING	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD LC1	MEMB.	FORCE
	(LBS)	(PLF)		(LBS)
FR-TO		FROM TO	FR-TO	
A-B	-1258/0	0.0 0.0 0.63 (1)	G-E	0/1193 0.19 (1)
B-C	-715/0	-102.1 -102.1 0.78 (1)	A-I	0/1191 0.19 (1)
C-D	-715/0	-102.1 -102.1 0.80 (1)	G-D	-814/0 0.57 (1)
D-E	-715/0	-102.1 -102.1 0.80 (1)	I-B	-813/0 0.57 (1)
E-F	-1257/0	0.0 0.0 0.63 (1)	F-D	-2/0 0.00 (1)
J-I	0/0	-17.5 -17.5 0.21 (4)		
I-H	0/716	-17.5 -17.5 0.27 (4)		
H-G	0/716	-17.5 -17.5 0.27 (4)		
G-F	0/0	-17.5 -17.5 0.21 (4)		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 768 1667 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

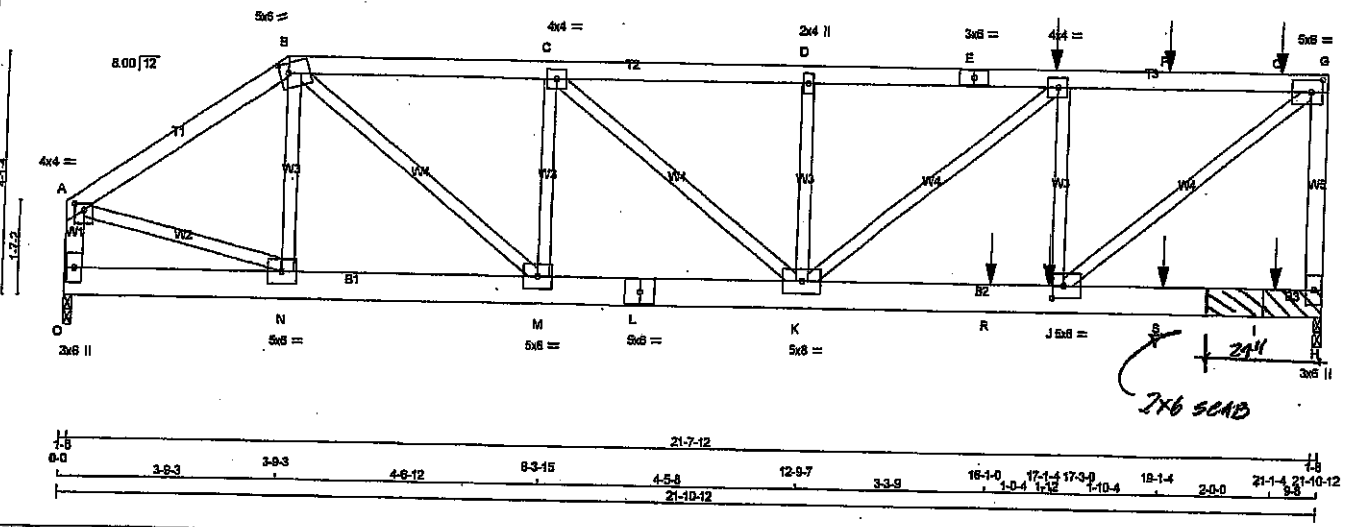
JSI GRIP=0.68 (E) (INPUT = 0.60)
JSI METAL=0.32 (E) (INPUT = 1.00)



DRWG NO. TAM 1705372
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T18	QUANTITY 2	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:FpkukmLuzMYa3Vl8rZ5b8_zdJ?d-vKOEVLBYGMYdQ9s4gek2Ym3_fv7eZyPygakszZJE4
12-9-7 4-3-13 17-1-4 17-3-0 18-1-4 20-0 21-1-4 21-10-12
Scale = 1:36.4



TOTAL WEIGHT = 4 X 104 = 414 lb

LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR
CHORDS			
A - B	2x4	DRY	No.2
B - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
O - A	2x4	DRY	No.2
O - L	2x6	DRY	No.2
L - 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-B	12	TOP
B-E	12	TOP
E-G	12	TOP
G-H	12	TOP
O-A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
O-L	12	TOP
L-H	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	TOP

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL 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 in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWV-p	MT20	4.0	4.0	1.25	2.00
B	TMWV-m	MT20	5.0	6.0	2.00	1.75
C	TMWV-l	MT20	4.0	4.0		
D	TMWV-w	MT20	2.0	4.0		
E	TS-l	MT20	3.0	6.0		
F	TMWV-l	MT20	4.0	4.0		
G	TMWV-l	MT20	5.0	6.0	2.50	2.25
H	BMV-l-p	MT20	3.0	6.0		
I	BMWV-l	MT20	5.0	6.0	2.50	2.25
J	BMWV-l	MT20	5.0	6.0		
K	BMWV-l	MT20	5.0	6.0		
L	BS-l	MT20	5.0	6.0		
M	BMWV-l	MT20	5.0	6.0		
N	BMWV-l	MT20	5.0	6.0		
O	BMV-l-p	MT20	3.0	6.0		

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	BRG	IN-SX	IN-SX
H	VERT	H	DOWN	0	0	1-8	1-8 & BLOCK
O	HORZ	O	HORZ	0	0	1-8	1-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SO
H	2142	1488/0	0/0	0/0	0/0	644/0	0/
O	1300	908/0	0/0	0/0	0/0	394/0	0/

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

2x6 DRY SPF No.2 BEARING BLOCK 2' LONG AT JT. H ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 24 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	-2017/0	N-B	-382/0
B-C	-3049/0	A-N	0/1753
C-D	-3831/0	J-G	0/4392
D-E	-3831/0	B-M	0/1786
E-F	-3831/0	J-F	-1124/0
F-P	-3428/0	M-C	-1178/0
P-Q	-3428/0	K-F	0/327
Q-G	-3428/0	K-C	0/327
H-G	-3068/0	K-C	0/327
O-A	-1831/0	K-C	0/327
O-N	0/0		
N-M	0/1664		
M-L	0/3049		
L-K	0/3049		
K-R	0/3428		
R-J	0/3428		
J-S	0/0		
S-I	0/0		
I-H	0/0		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL
F	17-1-4	-123	-123		FRONT	VERT	TOTAL	
I	21-1-4	-27	-27		FRONT	VERT	TOTAL	
J	17-1-4	-25	-25		FRONT	VERT	TOTAL	
P	19-1-4	-123	-123		FRONT	VERT	TOTAL	
Q	21-1-4	-134	-134		FRONT	VERT	TOTAL	
R	18-1-0	-1829	-1829		FRONT	VERT	TOTAL	
S	19-1-4	-25	-25		FRONT	VERT	TOTAL	

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 083-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.73")
CALCULATED VERT. DEFL. (LL) = L/899 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.73")
CALCULATED VERT. DEFL. (TL) = L/899 (0.15")

CSI: TC=0.38/1.00 (G-H); BC=0.85/1.00 (J-K); WB=0.54/1.00 (G-J); SS=0.48/1.00 (J-K)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	619	354	1667

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.89 (J) (INPUT = 0.90)
JSI METAL= 0.43 (J) (INPUT = 1.00)

DRWG NO. TAM 17905373
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T18Z	1	2	TRUSS DESC.		

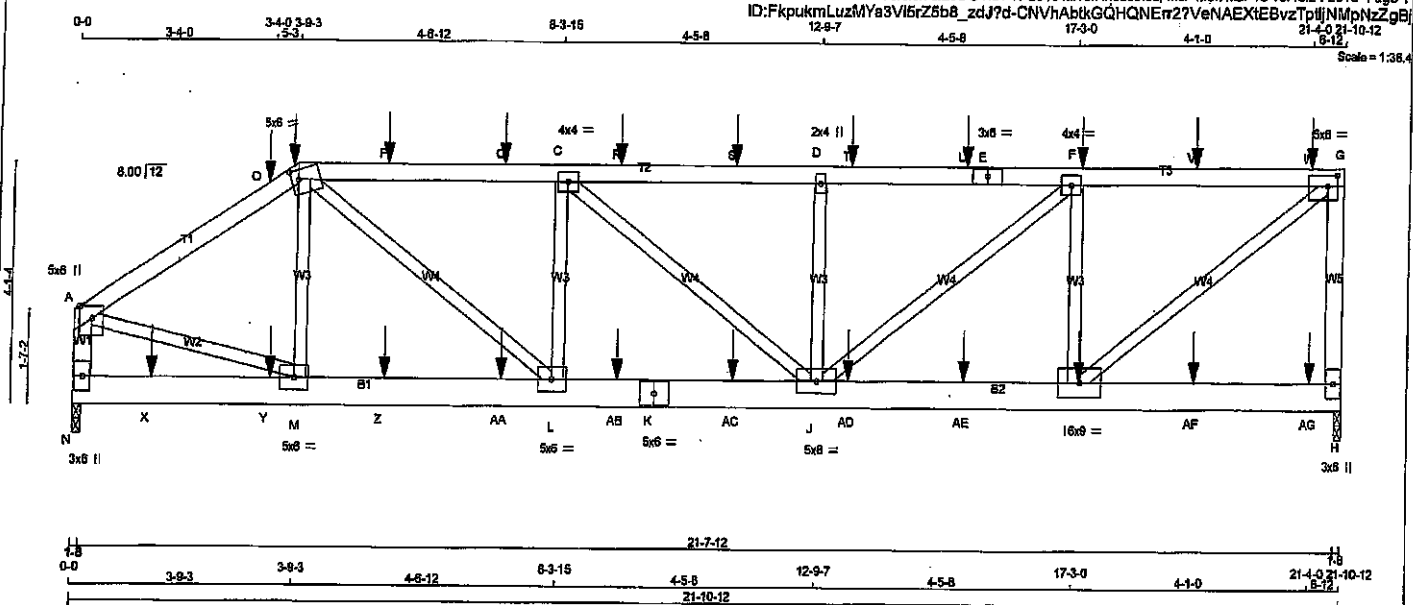
Tamarack Roof Truss, Burlington

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21-4-0 21-10-12 6-12

Scale = 1:38.4



TOTAL WEIGHT = 2 X 102 = 203 lb

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-B 1	12	SIDE(61.0)
B-E 1	12	SIDE(61.0)
E-G 1	12	SIDE(61.0)
G-H 1	12	TOP
N-A 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
N-K 2	12	SIDE(0.0)
K-H 2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TTWW-m	MT20	5.0	6.0	2.00	1.50
C	TMVW-t	MT20	4.0	4.0		
D	TMVW-w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMVW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0	2.25	2.00
H	BMV1+p	MT20	3.0	6.0		
I	BMVW-t	MT20	6.0	9.0		
J	BMVW-w	MT20	5.0	6.0		
K	BS-t	MT20	5.0	6.0		
L	BMVW-t	MT20	5.0	6.0		
M	BMVW-t	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
H	2250	0	1-8	1-8
N	2301	0	1-8	1-8

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1585	1077 / 0	0 / 0	0 / 0	0 / 0	508 / 0	0 / 0
N	1618	1113 / 0	0 / 0	0 / 0	0 / 0	505 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-O	-2482 / 0	-102.1	-102.1	0.19 (1)	5.52	M-B	-491 / 0	0.06 (1)
O-B	-2482 / 0	-102.1	-102.1	0.19 (1)	5.52	A-M	0 / 2185	0.27 (1)
B-P	-3248 / 0	-102.1	-102.1	0.32 (1)	4.80	I-G	0 / 2911	0.36 (1)
P-Q	-3248 / 0	-102.1	-102.1	0.32 (1)	4.80	B-L	0 / 1513	0.19 (1)
Q-C	-3248 / 0	-102.1	-102.1	0.32 (1)	4.80	I-F	-1660 / 0	0.21 (1)
C-R	-3229 / 0	-102.1	-102.1	0.32 (1)	4.82	L-C	-812 / 0	0.10 (1)
R-S	-3229 / 0	-102.1	-102.1	0.32 (1)	4.82	J-F	0 / 1008	0.10 (1)
S-D	-3229 / 0	-102.1	-102.1	0.32 (1)	4.82	C-G	0 / 1008	0.10 (1)
D-T	-3229 / 0	-102.1	-102.1	0.31 (1)	4.83			
T-U	-3229 / 0	-102.1	-102.1	0.31 (1)	4.83			
U-E	-3229 / 0	-102.1	-102.1	0.31 (1)	4.83			
E-F	-3229 / 0	-102.1	-102.1	0.31 (1)	4.83			
F-V	-2271 / 0	-102.1	-102.1	0.28 (1)	5.55			
V-W	-2271 / 0	-102.1	-102.1	0.28 (1)	5.55			
W-G	-2271 / 0	-102.1	-102.1	0.28 (1)	5.55			
H-G	-2170 / 0	0.0	0.0	0.27 (1)	7.55			
N-A	-2253 / 0	0.0	0.0	0.13 (1)	7.45			

N-X	0 / 0	-18.5	-18.5	0.03 (4)	10.00
X-Y	0 / 0	-18.5	-18.5	0.03 (4)	10.00
Y-M	0 / 0	-18.5	-18.5	0.03 (4)	10.00
M-Z	0 / 2075	-18.5	-18.5	0.18 (1)	10.00
Z-AA	0 / 2075	-18.5	-18.5	0.16 (1)	10.00
AA-L	0 / 2075	-18.5	-18.5	0.16 (1)	10.00
L-AB	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
AB-K	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
K-AC	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
AC-J	0 / 3248	-18.5	-18.5	0.25 (1)	10.00
J-AD	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
AD-AE	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
AE-I	0 / 2271	-18.5	-18.5	0.18 (1)	10.00
I-AF	0 / 0	-18.5	-18.5	0.04 (4)	10.00
AF-AG	0 / 0	-18.5	-18.5	0.04 (4)	10.00
AG-H	0 / 0	-18.5	-18.5	0.04 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	3-9-3	-50	-56		FRONT	VERT	DEAD		
B	3-9-3	-285	-285		FRONT	VERT	SNOW		
F	17-4-0	-123	-123		BACK	VERT	TOTAL		

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 = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

*** NON STANDARD GIRDER ***

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TO=0.32/1.00 (B-C:1), BC=0.25/1.00 (J-L:1), WB=0.36/1.00 (G-I:1), SSI=0.19/1.00 (B-C: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 786 1897 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (A) (INPUT = 0.90)
JSI METAL= 0.48 (A) (INPUT = 1.00)

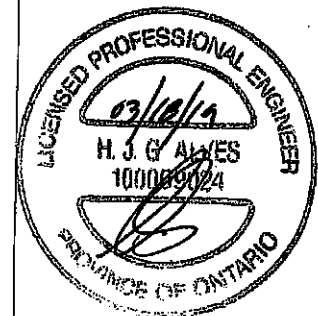
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T18Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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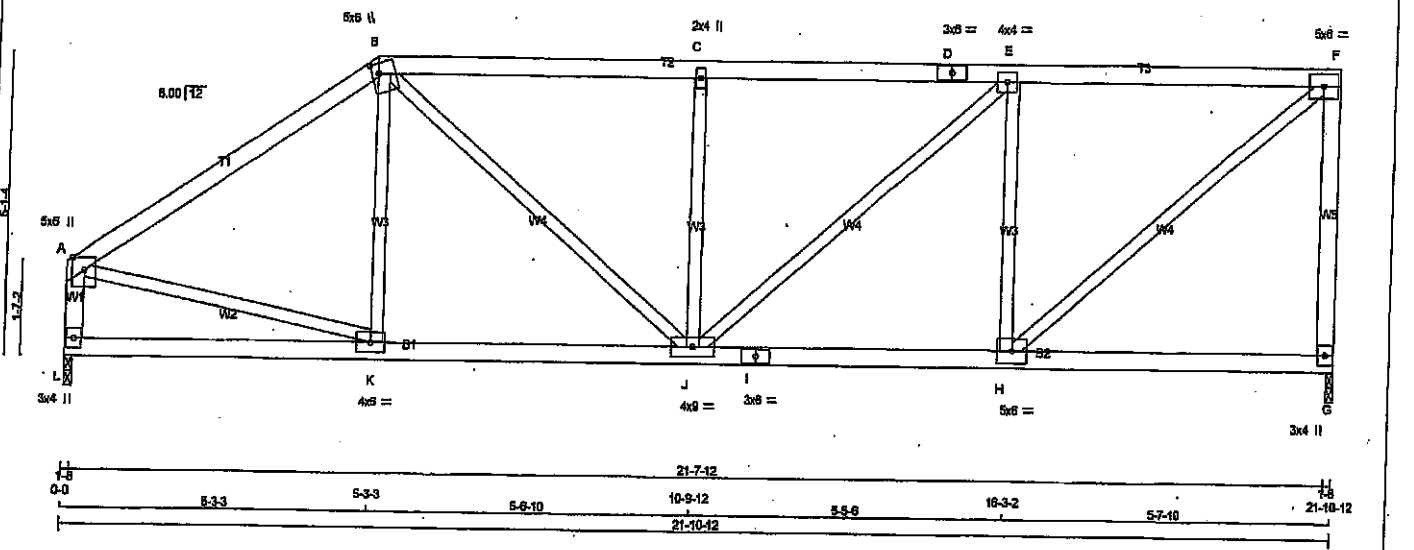
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	17-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
O	3-4-0	-152	-152	—	BACK	VERT	TOTAL	—	—
P	5-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
Q	7-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
R	9-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
S	11-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
T	13-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
U	15-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
V	19-4-0	-123	-123	—	BACK	VERT	TOTAL	—	—
W	21-4-0	-145	-145	—	BACK	VERT	TOTAL	—	—
X	1-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
Y	3-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
Z	5-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AA	7-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AB	9-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AC	11-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AD	13-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AE	15-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AF	19-4-0	-28	-28	—	BACK	VERT	TOTAL	—	—
AG	21-4-0	-30	-30	—	BACK	VERT	TOTAL	—	—



DWG NO. TAM 71405419
STRUCTURAL
COMPONENT ONLY 3/2

JOB NAME 401768	TRUSS NAME T19	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 21-10-12
 Scale = 1:26.2



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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
		GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
G	1309	0	1309	0	0	1-8	1-8		
L	1309	0	1309	0	0	1-8	1-8		

UNFACTORED REACTIONS									
		1ST CASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM/LIVE	WIND	DEAD	SOIL		
G	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0		
L	920	638 / 0	0 / 0	0 / 0	0 / 0	285 / 0	0 / 0		

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.68 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

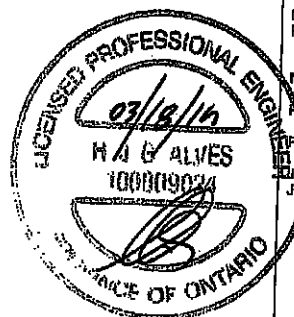
LOADING
 TOTAL LOAD CASES: (4)

CHORDS									
		MAX. FACTORED		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX	MAX. UNBRAC
FR-TO		FROM	TO	CS1 (LC)	LENGTH	FR-TO		CS1 (LC)	LENGTH
A-B	-1331 / 0	-102.1	-102.1	0.57 (1)	4.85	K-B	-154 / 39	0.08 (1)	
B-C	-1555 / 0	-102.1	-102.1	0.48 (1)	4.89	A-K	0 / 1137	0.26 (1)	
C-D	-1555 / 0	-102.1	-102.1	0.50 (1)	4.66	H-F	0 / 1595	0.36 (1)	
D-E	-1555 / 0	-102.1	-102.1	0.50 (1)	4.66	B-J	0 / 899	0.13 (1)	
E-F	-1213 / 0	-102.1	-102.1	0.47 (1)	5.16	H-E	-925 / 0	0.36 (1)	
G-F	-1289 / 0	0.0	0.0	0.58 (1)	7.15	J-C	-608 / 0	0.23 (1)	
L-A	-1272 / 0	0.0	0.0	0.13 (1)	7.14	J-E	0 / 457	0.10 (1)	
L-K	0 / 0	-17.5	-17.5	0.12 (4)	10.00				
K-J	0 / 1103	-17.5	-17.5	0.25 (1)	10.00				
J-I	0 / 1213	-17.5	-17.5	0.26 (1)	10.00				
I-H	0 / 1213	-17.5	-17.5	0.26 (1)	10.00				
H-G	0 / 0	-17.5	-17.5	0.13 (4)	10.00				

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

DESIGN CRITERIA
 SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 42.0 PSF
 SPACING = 24.0 IN. C/C
 LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM
 THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015
 THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2015, OBC 2012
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014
 (5% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD
 ALLOWABLE DEFL.(LL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
 ALLOWABLE DEFL.(TL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.10")
 CS1: TC=0.57/1.00 (A-B:1), BC=0.28/1.00 (H-I:1), WB=0.36/1.00 (F-H:1), SS=0.27/1.00 (E-F:1)
 DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
 COMP=1.10 SHEAR=1.10 TENS=1.10
 COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.
 NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1857 788 1857 1859
 PLATE PLACEMENT TOL = 0.250 inches
 PLATE ROTATION TOL = 5.0 Deg.
 JOUS GRIP= 0.82 (A) (INPUT = 0.80)
 JOUS METAL= 0.64 (A) (INPUT = 1.00)

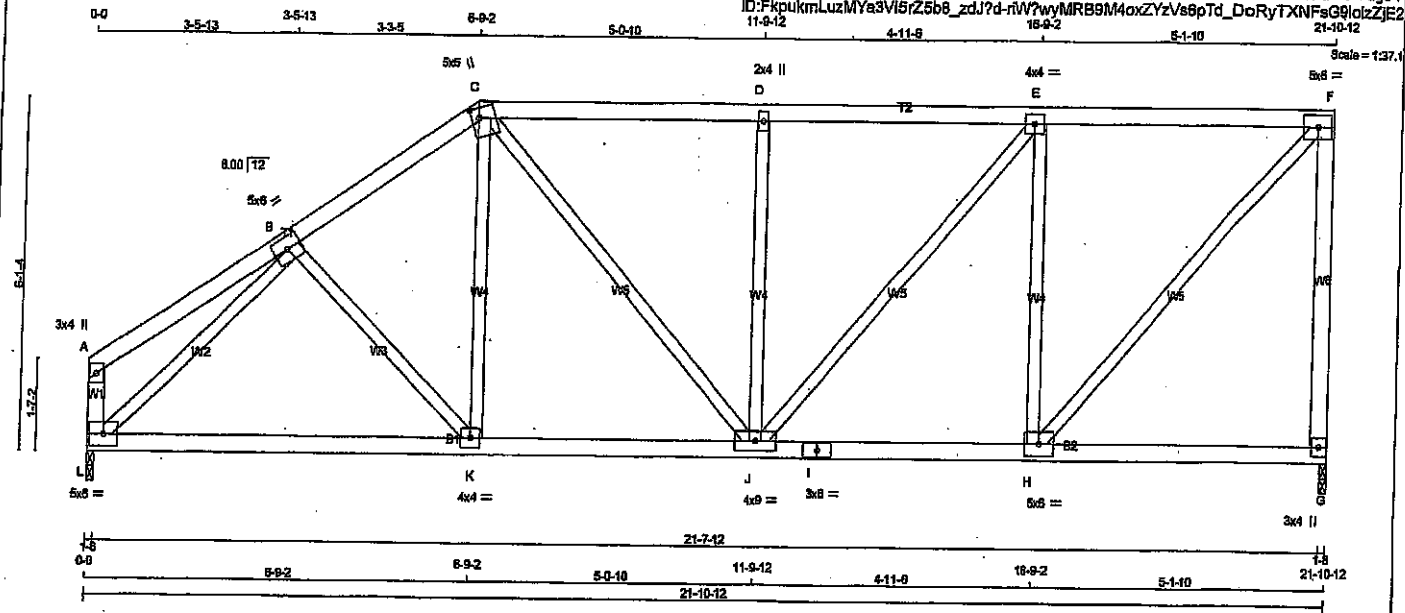


DRWG NO. TAM 71405374
 STRUCTURAL
 COMPONENT ONLY

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

Tamrack Roof Truss, Burlington

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11-9-12 18-9-2 21-10-12



TOTAL WEIGHT = 2 X 98 = 196 lb

LUMBER

N. L. G. A. RULES	
CHORDS	SIZE
A - C	2x4
C - F	2x4
G - F	2x4
L - A	2x4
L - I	2x4
I - G	2x4

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
G	1309	0	1309	0
L	1309	0	1309	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
G	920	638 / 0	0 / 0
L	920	638 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
A-B		0 / 21	-102.1	-102.1	0.17 (1)	10.00	B-K	-15 / 40	0.01 (4)
B-C		-1308 / 0	-102.1	-102.1	0.20 (1)	5.43	K-C	0 / 136	0.04 (4)
C-D		-1269 / 0	-102.1	-102.1	0.37 (1)	5.24	L-B	-1557 / 0	0.59 (1)
D-E		-1269 / 0	-102.1	-102.1	0.39 (1)	5.21	H-F	0 / 1415	0.32 (1)
E-F		-837 / 0	-102.1	-102.1	0.38 (1)	5.86	C-J	0 / 305	0.07 (1)
G-F		-1273 / 0	0.0	0.0	0.82 (1)	7.14	H-E	-957 / 0	0.56 (1)
L-A		-135 / 0	0.0	0.0	0.01 (1)	7.81	J-D	-552 / 0	0.32 (1)
L-K		0 / 1077	-17.5	-17.5	0.27 (1)	10.00	J-E	0 / 513	0.12 (1)
K-J		0 / 1089	-17.5	-17.5	0.27 (1)	10.00			
J-I		0 / 937	-17.5	-17.5	0.21 (1)	10.00			
I-H		0 / 937	-17.5	-17.5	0.21 (1)	10.00			
H-G		0 / 0	-17.5	-17.5	0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.73")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.09")

CSI: TC=0.82/1.00 (F-G:1), BC=0.27/1.00 (K-L:1),
WB=0.59/1.00 (B-L:1), SS=0.24/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1867

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

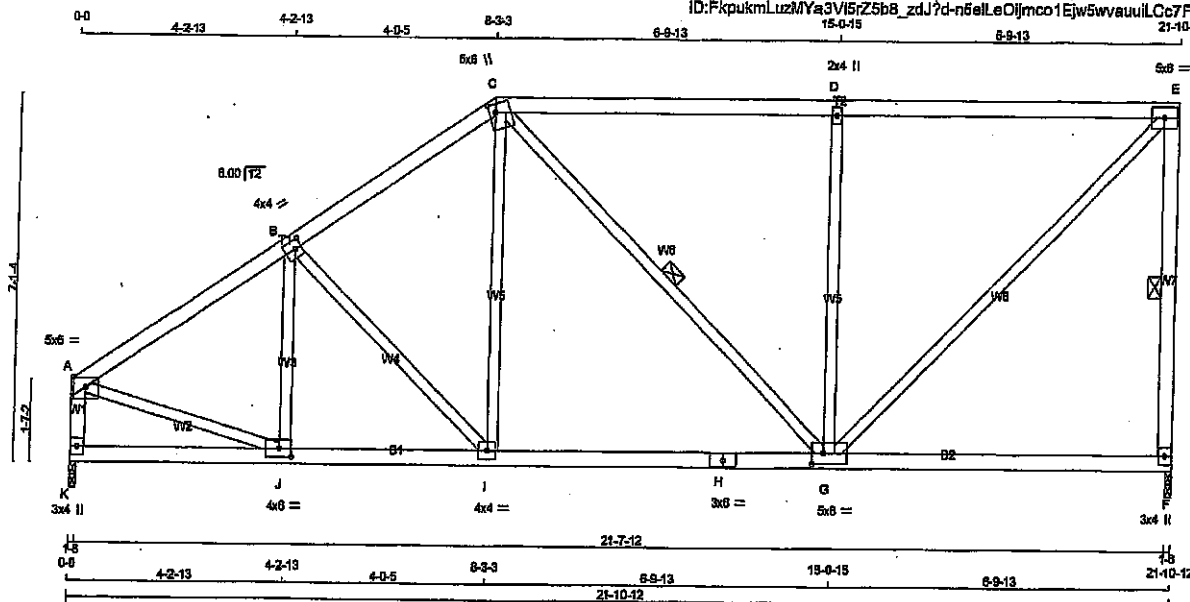
JSI GRIP= 0.78 (H) (INPUT = 0.80)
JSI METAL= 0.38 (B) (INPUT = 1.00)



DRWG NO. TAM 17405375
STRUCTURAL
COMPONENT ONLY

JOB NAME 401769	TRUSS NAME T21	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 15-0-15 21-10-12



TOTAL WEIGHT = 2 X 97 = 195 lb

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

ALL WEBS 2x3 DRY No.2
 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTVW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWV-t	MT20	5.0	6.0	2.50	2.50
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMVW-t	MT20	4.0	6.0	2.00	2.75
K	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

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

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.38 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1349 / 0	-102.1 -102.1	0.32 (1)	J-B	-275 / 0	0.08 (1)	
B-C	-1225 / 0	-102.1 -102.1	0.31 (1)	B-I	-212 / 0	0.12 (1)	
C-D	-1002 / 0	-102.1 -102.1	0.28 (1)	I-C	0 / 245	0.08 (1)	
D-E	-1002 / 0	-102.1 -102.1	0.28 (1)	C-G	-8 / 8	0.01 (4)	
E-F	-1261 / 0	0.0 0.0	0.28 (1)	G-D	-864 / 0	0.76 (1)	
K-A	-1278 / 0	0.0 0.0	0.13 (1)	G-E	0 / 1412	0.32 (1)	
				A-J	0 / 1196	0.27 (1)	
K-J	0 / 0	-17.5 -17.5	0.07 (4)				
J-I	0 / 1145	-17.5 -17.5	0.24 (1)				
I-H	0 / 998	-17.5 -17.5	0.28 (4)				
H-G	0 / 998	-17.5 -17.5	0.28 (4)				
G-F	0 / 0	-17.5 -17.5	0.20 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

(58 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
 ALLOWABLE DEFL.(TL) = L/360 (0.73")
 CALCULATED VERT. DEFL.(TL) = 1/999 (0.09")

CSI: TC=0.88/1.00 (D-E:1), BC=0.28/1.00 (G-I:4), WB=0.76/1.00 (D-G:1), SS=0.34/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

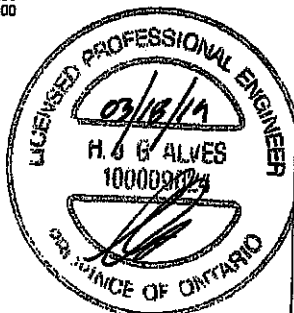
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1857 798 1987 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

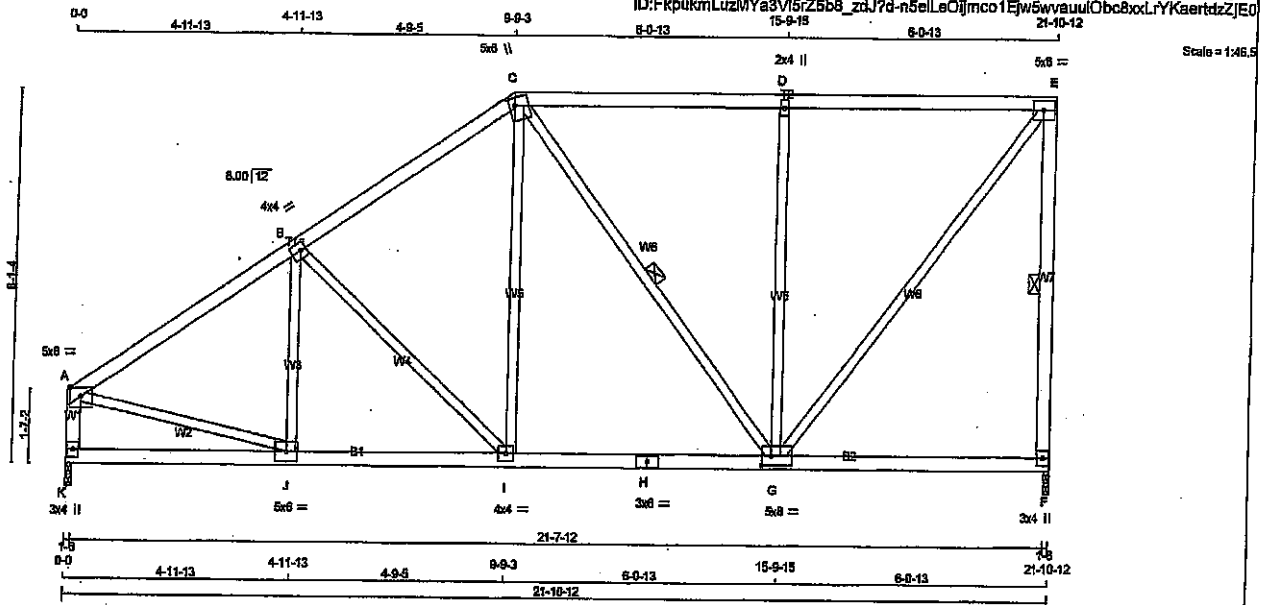


DRWG NO. TAM 17105376
 STRUCTURAL
 COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 103 = 206 lb

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTVW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWVW-t	MT20	5.0	8.0	2.50	2.50
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMVW-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE
TOUGHES 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	UPLIFT
F	1309	0	1309	0
K	1309	0	1309	0

UNFACTORED REACTIONS

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1370 / 0	-102.1 -102.1	0.47 (1)	4.96	J-B	-207 / 16	0.07 (1)
B-C	-1128 / 0	-102.1 -102.1	0.45 (1)	5.36	B-I	-354 / 0	0.28 (1)
C-D	-804 / 0	-102.1 -102.1	0.67 (1)	5.53	I-C	0 / 334	0.08 (1)
D-E	-804 / 0	-102.1 -102.1	0.67 (1)	5.52	C-G	-179 / 0	0.12 (1)
F-E	-1268 / 0	0.0 0.0	0.38 (1)	5.73	G-D	-788 / 0	0.97 (1)
K-A	-1272 / 0	0.0 0.0	0.13 (1)	7.14	G-E	0 / 1305	0.29 (1)
					A-J	0 / 1204	0.27 (1)
K-J	0 / 0	-17.5 -17.5	0.09 (4)	10.00			
J-I	0 / 1167	-17.5 -17.5	0.24 (1)	10.00			
I-H	0 / 914	-17.5 -17.5	0.23 (1)	10.00			
H-G	0 / 914	-17.5 -17.5	0.23 (1)	10.00			
G-F	0 / 0	-17.5 -17.5	0.18 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

(5% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

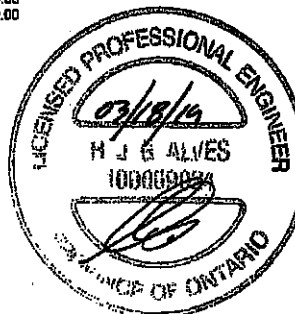
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



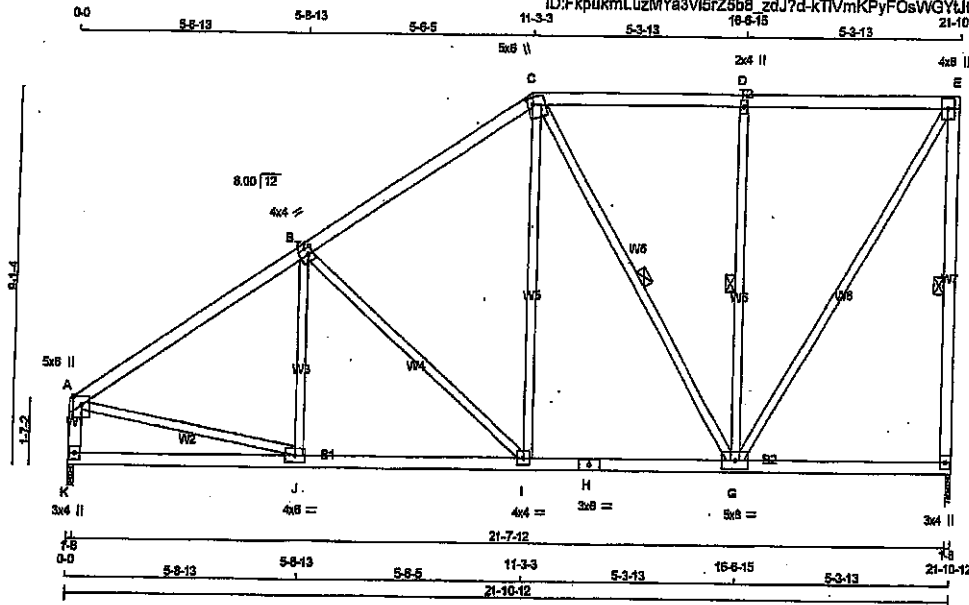
DRWG NO. TAM 17405377
STRUCTURAL
COMPONENT ONLY

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

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V6rZ5b8_zdJ7d-KTIVmKPyFOsWGYJCLx2zJonvPp7PMkmu7yxWzZJE

Scale = 1:51.8



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

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

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

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

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

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE PERM.LIVE WIND DEAD SOIL
F	920	636 / 0 0 / 0 0 / 0 265 / 0 0 / 0
K	920	636 / 0 0 / 0 0 / 0 265 / 0 0 / 0

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

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	UNBRAC LENGTH FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO					FR-TO		
A-B	-1373 / 0	-102.1	-102.1 0.46 (1)	4.99	J-B	-150 / 48	0.07 (1)
B-C	-1019 / 0	-102.1	-102.1 0.43 (1)	5.63	B-I	-488 / 0	0.59 (1)
C-D	-645 / 0	-102.1	-102.1 0.37 (1)	6.25	I-C	0 / 417	0.09 (1)
D-E	-648 / 0	-102.1	-102.1 0.37 (1)	6.25	C-G	-338 / 0	0.28 (1)
E-F	-1270 / 0	0.0	0.0 0.49 (1)	5.71	G-D	-872 / 0	0.36 (1)
K-A	-1288 / 0	0.0	0.0 0.13 (1)	7.15	G-E	0 / 1243	0.28 (1)
K-J	0 / 0	-17.5	-17.5 0.14 (4)	10.00	A-J	0 / 1203	0.27 (1)
J-I	0 / 1174	-17.5	-17.5 0.28 (1)	10.00			
I-H	0 / 818	-17.5	-17.5 0.19 (1)	10.00			
H-G	0 / 818	-17.5	-17.5 0.19 (1)	10.00			
G-F	0 / 0	-17.5	-17.5 0.12 (4)	10.00			

TOTAL WEIGHT = 2 X 108 = 216 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.49/1.00 (E-F-1), BC=0.28/1.00 (I-J-1),
WB=0.58/1.00 (B-I-1), SS=0.29/1.00 (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

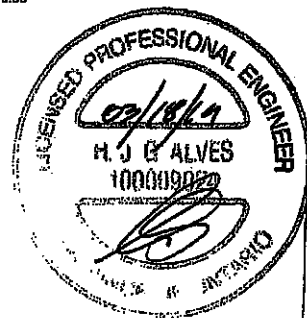
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PL) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 786 1597 1858

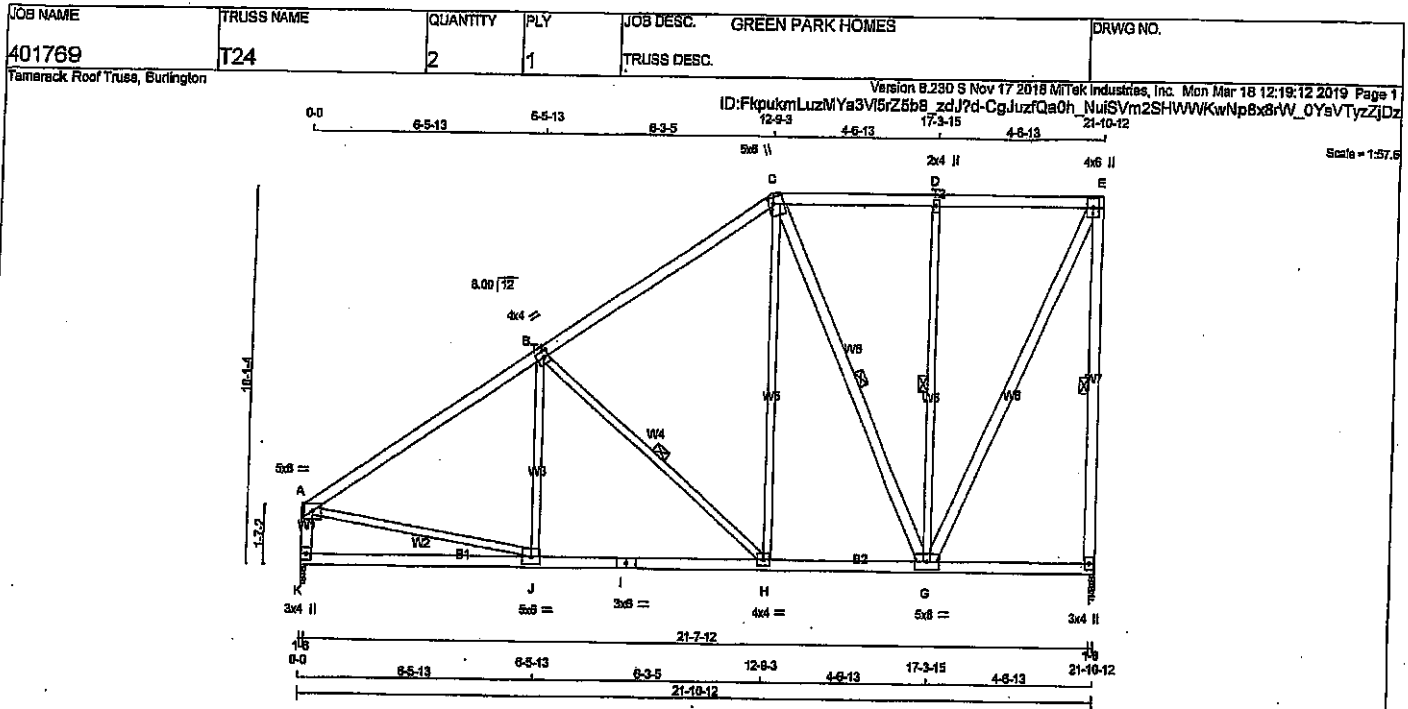
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT= 0.80)
JSI METAL= 0.58 (A) (INPUT= 1.00)



DWG NO. TAM 17105378
STRUCTURAL
COMPONENT ONLY



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

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

UNFACTORED REACTIONS

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

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1384 / 0	-102.1	-102.1 0.80 (1)	4.75	J-B	-102 / 77	0.08 (1)
B-C	-900 / 0	-102.1	-102.1 0.88 (1)	5.84	B-H	-813 / 0	0.30 (1)
C-D	-514 / 0	-102.1	-102.1 0.27 (1)	8.25	H-C	0 / 496	0.11 (1)
D-E	-514 / 0	-102.1	-102.1 0.27 (1)	8.25	C-G	-481 / 0	0.30 (1)
E-F	-1275 / 0	0.0	0.0 0.84 (1)	8.71	G-D	-575 / 0	0.40 (1)
K-A	-1283 / 0	0.0	0.0 0.13 (1)	7.18	G-E	0 / 1209	0.19 (1)
K-J	0 / 0	-17.5	-17.5 0.18 (4)	10.00	A-J	0 / 1193	0.27 (1)
J-I	0 / 1171	-17.5	-17.5 0.28 (1)	10.00			
I-H	0 / 1171	-17.5	-17.5 0.28 (1)	10.00			
H-G	0 / 718	-17.5	-17.5 0.17 (1)	10.00			
G-F	0 / 0	-17.5	-17.5 0.08 (4)	10.00			

TOTAL WEIGHT = 2 X 121 = 241 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 37.8 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/889 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/889 (0.09")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

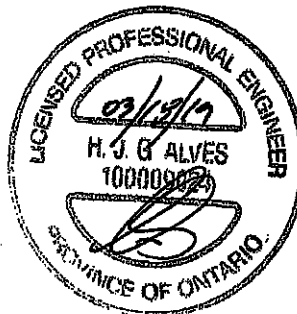
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.50)
JSI METAL= 0.40 (I) (INPUT = 1.00)

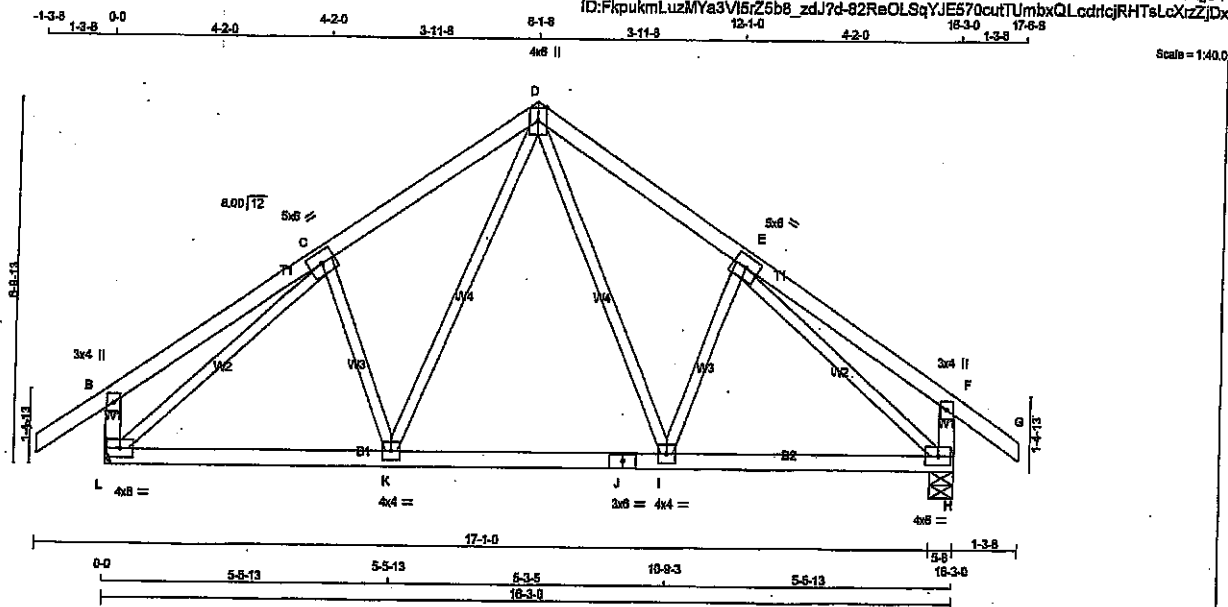


DWG NO. TAM 71905377
STRUCTURAL
COMPONENT ONLY

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

Tamrack Roof Truss, Burlington

Version 8.280 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 12:18:14 2019 Page 1
ID: FkpukmLuzMYa3Vl5rZ5b8_zdJ7d-82ReOLSqYJES70cutUmbxQLcdrtcjRHTsLcXizzJDX



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

DRY, SEASONED LUMBER.

PLATES (table in inches)	W	LEN	Y	X
JT TYPE				
B TMW+p	MT20	3.0	4.0	
C TMWW-t	MT20	5.0	6.0	
D TTWW+p	MT20	4.0	6.0	Edge
E TMWW-t	MT20	5.0	6.0	
F TMW+p	MT20	3.0	4.0	
H BMWW-t	MT20	4.0	6.0	
I BMWW-t	MT20	4.0	4.0	
J BS-t	MT20	3.0	6.0	
K BMWW-t	MT20	4.0	4.0	
L BMWW-t	MT20	4.0	6.0	

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1112	0	1112	0
H	1112	0	1112	0

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

UNFACTORED REACTIONS	1ST CASE	MAX MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
L	779	552/0
H	779	552/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED	VERT. LOAD	LC1	MAX	CS1 (LC)	UNBRAC	MEMB.	MAX. FACTORED	VERT. LOAD	LC1	MAX	CS1 (LC)
FR-TO								FR-TO					
A-B	0/39	-102.1	-102.1	0.14 (1)	10.00			D-I	0/358	0.08 (1)			
B-C	0/27	-102.1	-102.1	0.27 (1)	10.00			E-E	-248/0	0.07 (1)			
C-D	-915/0	-102.1	-102.1	0.22 (1)	8.20			K-D	0/358	0.08 (1)			
D-E	-915/0	-102.1	-102.1	0.22 (1)	8.20			C-K	-248/0	0.07 (1)			
E-F	0/27	-102.1	-102.1	0.27 (1)	10.00			L-C	-1133/0	0.57 (1)			
F-G	0/39	-102.1	-102.1	0.14 (1)	10.00			E-H	-1133/0	0.57 (1)			
L-B	-298/0	0.0	0.0	0.03 (1)	7.81								
H-F	-298/0	0.0	0.0	0.03 (1)	7.81								
L-K	0/828	-17.5	-17.5	0.20 (1)	10.00								
K-J	0/605	-17.5	-17.5	0.16 (4)	10.00								
J-I	0/605	-17.5	-17.5	0.16 (4)	10.00								
I-H	0/828	-17.5	-17.5	0.20 (1)	10.00								

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 188-09, CSA 188-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.54")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.54")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

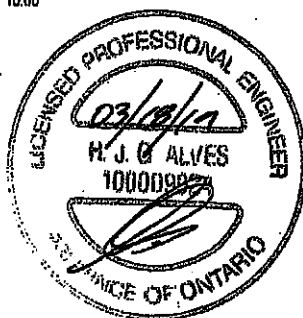
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (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= 0.61 (L) (INPUT = 0.90)
JSI METAL= 0.29 (C) (INPUT = 1.00)



DRWG NO. TAM 71905380
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

Version 6.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:46:25 2019 Page 1

ID:FkpukmLuzMYa3V15Z5b8_zdJ7d-ga33OxmM0kPH_QQ1cJ0twOmJtdX0is0QzN8vLzqZgBj

0-0 3-10-8 3-10-8 3-11-8 7-10-0 3-11-8 11-9-8 4-2-0 15-11-8 17-3-0 1-3-8

4x8 ||

Scale = 1/40



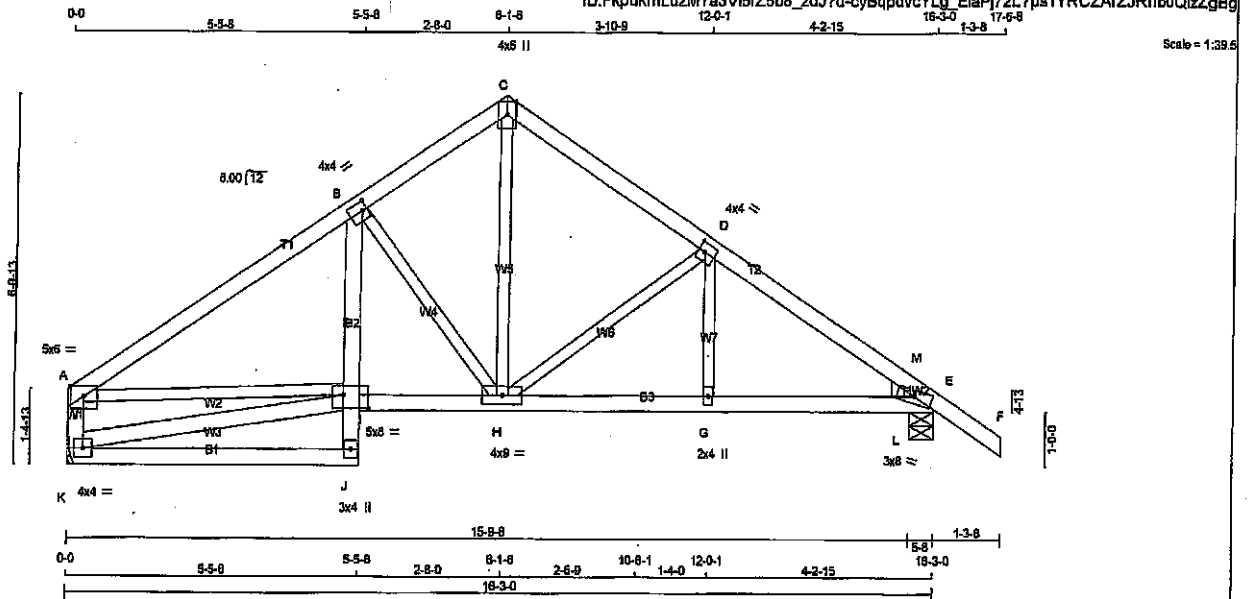
JSI GR/P= 0.61 (K) (INPUT = 0.80)
JSI METAL= 0.28 (B) (INPUT = 1.00)

DWG NO. TAM *T7905420*
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T25S	4	1	GREEN PARK HOMES	
TRUSS DESC.					

Tamercat Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:27 2019 Page 1
ID: FkpukmLuzMYa3V15rZ5b8_zdJ?d-cyBqpdvcYlg_EiaPj72L?pa1YRCZArZJRhb0QizGgBg



Scale = 1:39.5

TOTAL WEIGHT = 4 X 73 = 291 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMAW-p	MT20	5.0	6.0	Edge
B	TMAW-t	MT20	4.0	4.0	2.00 1.00
C	TTW-p	MT20	4.0	6.0	Edge
D	TMAW-t	MT20	4.0	4.0	2.00 1.50
E	TMBH-t	MT20	3.0	8.0	
G	BMW-w	MT20	2.0	4.0	
H	BMWW-t	MT20	4.0	9.0	
I	BMW-w	MT20	5.0	8.0	3.00 5.50
J	BMW-p	MT20	3.0	4.0	
K	BMWW-t	MT20	4.0	4.0	

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD	
JT	VERT	GROSS REACTION	BRG	BRG	HEEL
K	980	0	980	0	MECHANICAL
E	1120	0	1120	0	5-8 5-8 2x4 R

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

UNFACTORED REACTIONS

JT	1ST LGASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	680	472 / 0	0 / 0	0 / 0	0 / 0	218 / 0	0 / 0
E	788	552 / 0	0 / 0	0 / 0	0 / 0	234 / 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 = 5.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	-1213 / 0	-102.1	-102.1 0.36 (1)	5.39	K-I	-22 / 0	0.01 (1)
B-C	-924 / 0	-102.1	-102.1 0.27 (1)	8.09	A-I	0 / 1031	0.23 (1)
C-D	-897 / 0	-102.1	-102.1 0.18 (1)	6.25	H-C	0 / 759	0.17 (1)
D-M	-1325 / 0	-102.1	-102.1 0.19 (1)	5.43	B-H	-505 / 0	0.17 (1)
M-E	-1411 / 0	-102.1	-102.1 0.04 (1)	5.48	G-D	0 / 93	0.03 (4)
E-F	0 / 36	-102.1	-102.1 0.14 (1)	10.00	H-D	-481 / 0	0.19 (1)
K-A	-927 / 0	0.0	0.0 0.10 (1)	7.81	L-M	-68 / 29	0.00 (1)
K-J	0 / 22	-18.5	-18.5 0.15 (4)	10.00			
J-I	0 / 55	0.0	0.0 0.04 (1)	10.00			
I-B	0 / 70	0.0	0.0 0.04 (1)	10.00			
I-H	0 / 1037	-18.5	-18.5 0.19 (1)	10.00			
H-G	0 / 1120	-18.5	-18.5 0.21 (1)	10.00			
G-L	0 / 1120	-18.5	-18.5 0.26 (1)	10.00			
L-E	0 / 1120	-18.5	-18.5 0.25 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.9 IN. O.C.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.36/1.00 (A-B:1), BC=0.28/1.00 (G-L:1), WB=0.23/1.00 (A-I:1), SS=0.21/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

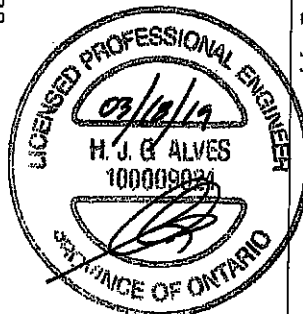
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.68 (1) (INPUT = 0.90)
JSI METAL= 0.25 (1) (INPUT = 1.00)

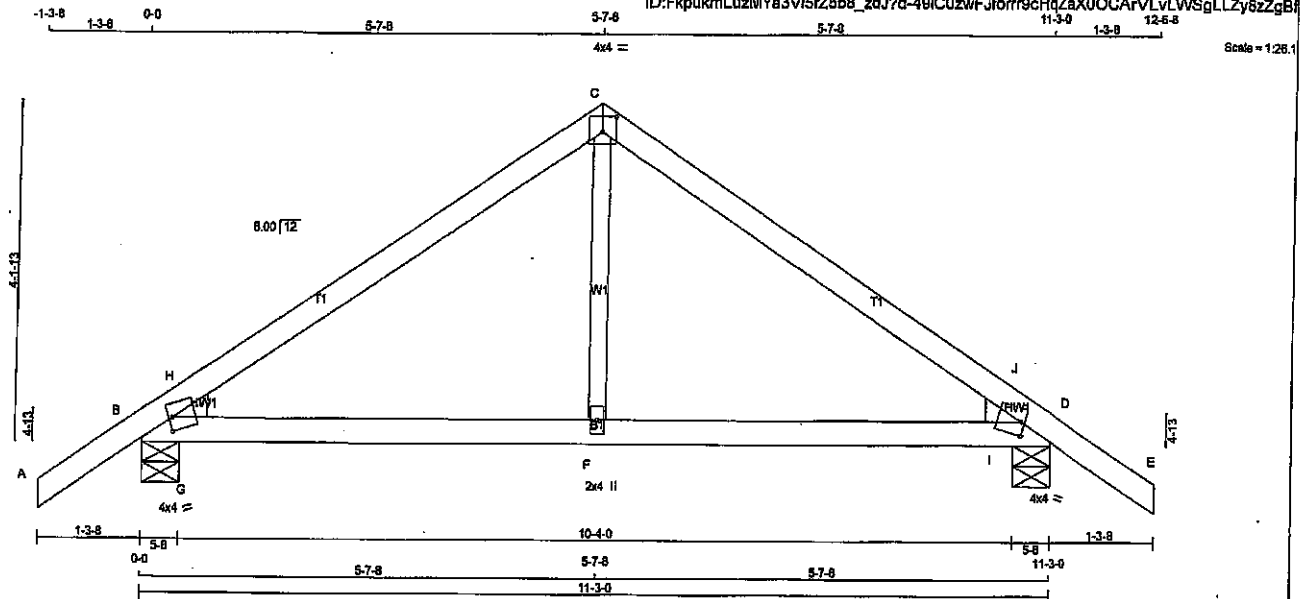


DWG NO. TAM 17905421
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T51	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V/SrZ5b8_zdJ7d-49IC0zwFJforr9cHqZaX0OCaRVLvLWSgLLZy8zZgBf



TOTAL WEIGHT = 2 X 36 = 72 lb

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	4.0	4.0	2.00	0.50
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMBH1-m	MT20	4.0	4.0	2.00	0.50
F	BMV+w	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG	HEEL WEDGE
	VERT	HORZ	DOWN	HORZ			
B	819	0	819	0	5-8	5-8	2x4 L
D	819	0	819	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	574	406 / 0	0 / 0	0 / 0	0 / 0	167 / 0	0 / 0
D	574	406 / 0	0 / 0	0 / 0	0 / 0	167 / 0	0 / 0

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

BRACING

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

FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS		MAX. FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD LC1 (PLF)	MAX. MAX. (LC)	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. MAX. (LC)
			FROM	TO							
A-B		0 / 36	-102.1	-102.1	0.14 (1)	10.00	F-C	0 / 288		0.08 (1)	
B-H		-582 / 0	-102.1	-102.1	0.13 (1)	6.25	G-H	-432 / 0		0.00 (1)	
H-C		-873 / 0	-102.1	-102.1	0.37 (1)	6.25	I-J	-432 / 0		0.00 (1)	
C-J		-873 / 0	-102.1	-102.1	0.37 (1)	6.25					
J-D		-582 / 0	-102.1	-102.1	0.13 (1)	6.25					
D-E		0 / 36	-102.1	-102.1	0.14 (1)	10.00					
B-G		0 / 549	-18.5	-18.5	0.41 (1)	10.00					
G-F		0 / 549	-18.5	-18.5	0.41 (1)	10.00					
F-I		0 / 549	-18.5	-18.5	0.41 (1)	10.00					
I-D		0 / 549	-18.5	-18.5	0.41 (1)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.38")
CALCULATED VERT. DEFL.(LL) = L/899 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/899 (0.08")

CSI: TC=0.37/1.00 (C-J:1), BC=0.41/1.00 (D-E:1),
WB=0.08/1.00 (C-F:1), SSI=0.31/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

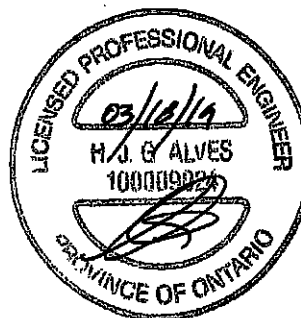
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.64 (B) (INPUT = 0.90)
JSI METAL=0.33 (B) (INPUT = 1.00)

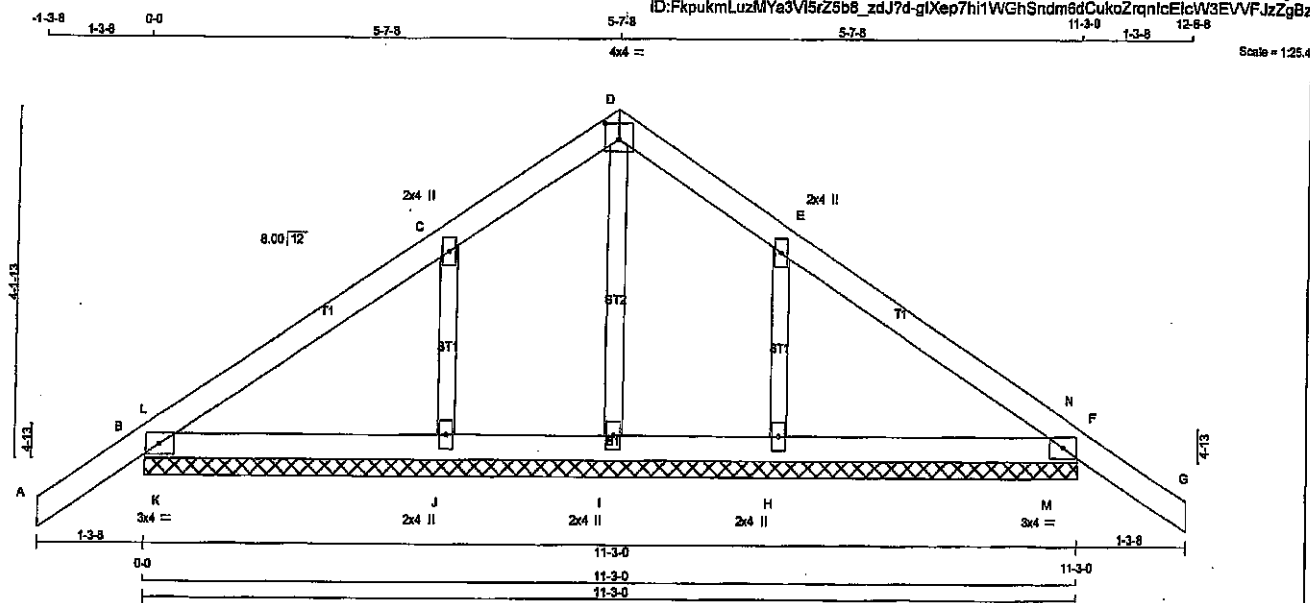


JWG NO. TAM 71905422
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME G51	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-glXep7hi1WGhSndm8dCukoZrqn1cE1cW3EVVFJzZgBz



TOTAL WEIGHT = 2 X 39 = 77 lb

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

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW+w	MT20	2.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TTW+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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0/36	-102.1	-102.1 0.14 (1)	10.00	I-D	-42/4	0.01 (1)
B-L	-39/0	-102.1	-102.1 0.03 (1)	8.25	J-C	-335/0	0.08 (1)
L-C	-70/0	-102.1	-102.1 0.13 (1)	8.25	H-E	-335/0	0.08 (1)
C-D	-65/0	-102.1	-102.1 0.13 (1)	8.25	K-L	-231/5	0.00 (1)
D-E	-65/0	-102.1	-102.1 0.13 (1)	8.25	M-N	-231/5	0.00 (1)
E-N	-70/0	-102.1	-102.1 0.13 (1)	8.25			
N-F	-39/0	-102.1	-102.1 0.03 (1)	8.25			
F-G	0/36	-102.1	-102.1 0.14 (1)	10.00			
B-K	0/69	-18.5	-18.5 0.10 (1)	10.00			
K-J	0/69	-18.5	-18.5 0.10 (1)	10.00			
J-I	0/58	-18.5	-18.5 0.07 (1)	10.00			
I-H	0/58	-18.5	-18.5 0.07 (1)	10.00			
H-M	0/69	-18.5	-18.5 0.10 (1)	10.00			
M-F	0/69	-18.5	-18.5 0.10 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	42.4	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, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.14/1.00 (F-G:1), BC=0.10/1.00 (B-K:1), WS=0.05/1.00 (C-J:1), SSI=0.18/1.00 (F-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618 354 1567 788 1907 1556	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (F) (INPUT = 0.90)
JSI METAL= 0.17 (C) (INPUT = 1.00)

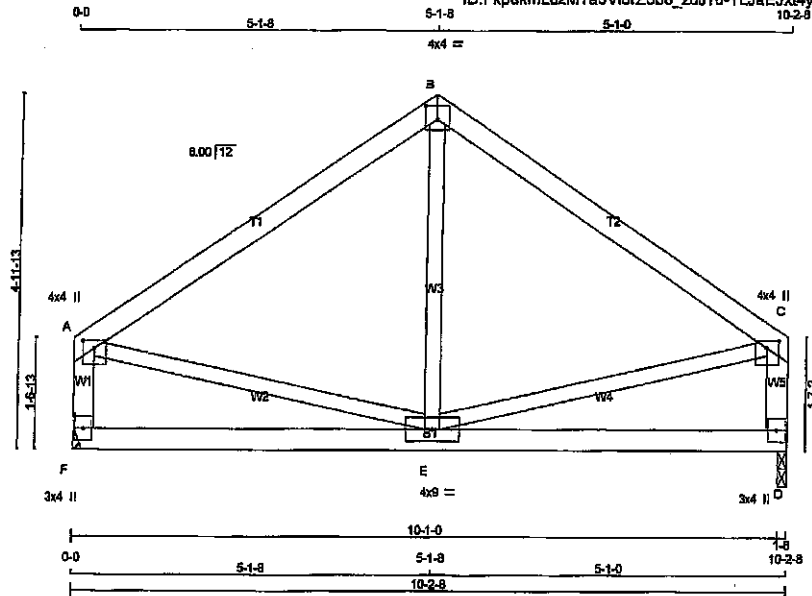


DRWG NO. TAM 71905423
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T52	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/20.0

TOTAL WEIGHT = 2 X 40 = 80 lb

<u>LUMBER</u>					
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 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW+1	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	REORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	616	0	616	0
D	616	0	616	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	433	296 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0
D	433	296 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO					FR-TO			
A-B	-419 / 0	-102.1	-102.1	0.35 (1)	6.25	E-B	-56 / 73	0.03 (4)
B-C	-419 / 0	-102.1	-102.1	0.34 (1)	6.25	A-E	0 / 359	0.08 (1)
F-A	-579 / 0	0.0	0.0	0.08 (1)	7.81	E-C	0 / 359	0.08 (1)
D-C	-579 / 0	0.0	0.0	0.06 (1)	7.81			
F-E	0 / 0	-18.5	-18.5	0.14 (4)	10.00			
E-D	0 / 0	-18.5	-18.5	0.14 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN./C/C

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

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

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

ALLOWABLE DEFL.(LL) = 1/380 (0.34")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = 1/380 (0.34")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.02")

CSI: TC=0.35/1.00 (A-B:1), BC=0.14/1.00 (D-E:4),
WB=0.08/1.00 (C-E:1), SS=0.17/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

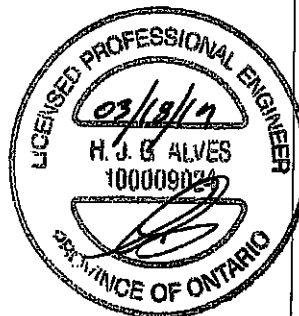
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 789 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.45 (A) (INPUT = 0.80)
JSI METAL = 0.13 (A) (INPUT = 1.00)



DRWG NO. TAM 77905424
STRUCTURAL
COMPONENT ONLY

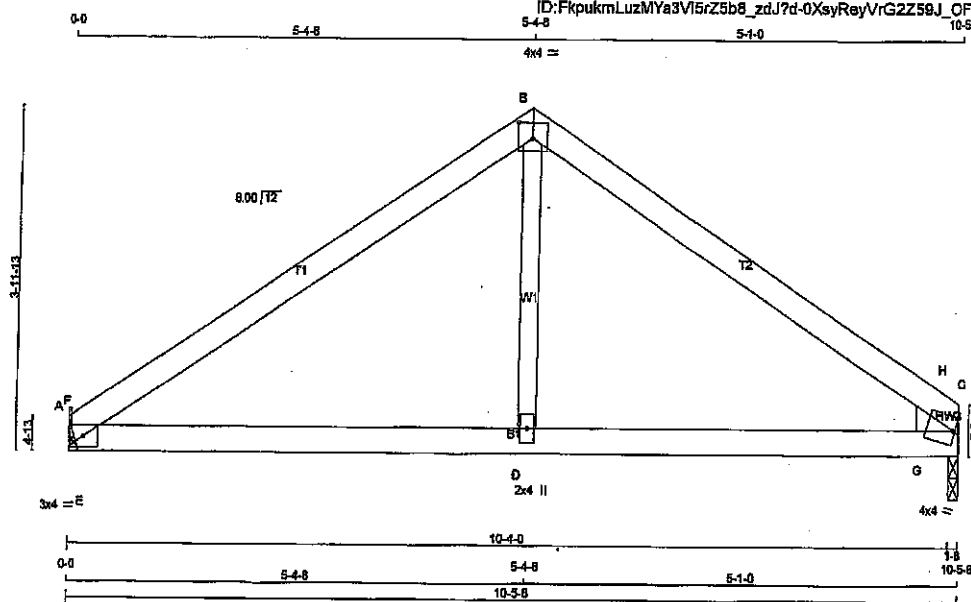
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T53	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:FpkukmLuzMYa3VI5rZ5b8_zdJ7d-0XsyReyVrG2Z59J_OFc2dRTYqeCsNFB17fqg01zZgBd

Scale = 1:24.7



TOTAL WEIGHT = 301b

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMB1-J	MT20	3.0	4.0		
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMBH1-m	MT20	4.0	4.0		Edge
D	BMW-w	MT20	2.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD	HEEL
	GROSS REACTION	GROSS REACTION	BRG	BRG	WEDGE
	VERT	HORZ	DOWN	HORZ	UPLIFT
JT	631	0	631	0	0
A	631	0	631	0	0
C	631	0	631	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	444	304 / 0	0 / 0	0 / 0	0 / 0	140 / 0	0 / 0
C	444	304 / 0	0 / 0	0 / 0	0 / 0	140 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 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	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	MEMB.	FORCE (LBS)
FR-TO								
A - F	-277 / 0	-102.1	-102.1	0.17 (1)	6.25	D - B	0 / 217	0.05 (1)
F - B	-805 / 0	-102.1	-102.1	0.36 (1)	6.25	E - F	-741 / 0	0.00 (1)
B - H	-607 / 0	-102.1	-102.1	0.28 (1)	6.25	G - H	-382 / 17	0.00 (1)
H - C	-495 / 0	-102.1	-102.1	0.17 (1)	6.25			
A - E	0 / 489	-18.5	-18.5	0.35 (1)	10.00			
E - D	0 / 489	-18.5	-18.5	0.35 (1)	10.00			
D - G	0 / 489	-18.5	-18.5	0.28 (1)	10.00			
G - C	0 / 489	-18.5	-18.5	0.26 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

(65% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CS1: TC=0.36/1.00 (B-F:1), BC=0.35/1.00 (A-E:1),
WB=0.05/1.00 (B-D:1), SS1=0.57/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

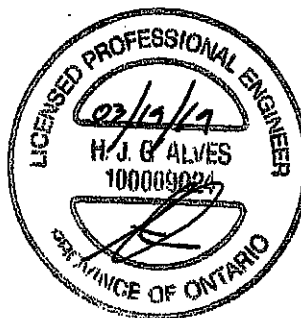
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

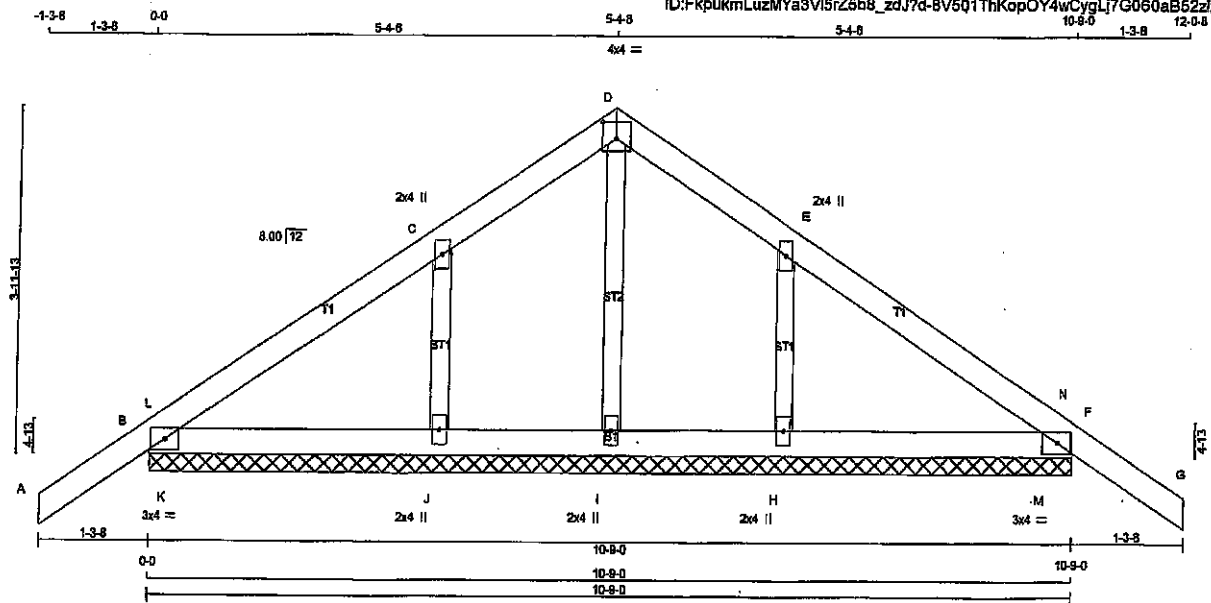
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.27 (C) (INPUT = 1.00)



DRWG NO. TAM 77052425
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME G53	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:09 2018 Page 1		ID:FkpukmLuzMYa3Vl5rZ5b8_zdJ7d-8V5Q1ThKopOY4wCyglJ7G060aB52zbdluE3nizZgBy	
		4x4 =		10-9-0	



Scale = 1/24.5

TOTAL WEIGHT = 37 lb (M)

LUMBER

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

GABLE STUDS SPACED AT 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	TTW+H	MT20	2.0	4.0		
D	TTW+H	MT20	4.0	4.0	2.25	2.00
E	TTW+H	MT20	2.0	4.0		
F	TMB1-I	MT20	3.0	4.0		
H, I, J						
H	BMW1+H	MT20	2.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH (LC)
FR-TO		FROM TO		FR-TO		FROM TO	
A-B	0/36	-102.1 -102.1	0.14 (1)	10.00	I-D	-59/0	0.01 (1)
B-L	-39/0	-102.1 -102.1	0.03 (1)	8.25	J-C	-317/0	0.05 (1)
L-C	-84/0	-102.1 -102.1	0.12 (1)	8.25	H-E	-317/0	0.05 (1)
C-D	-88/0	-102.1 -102.1	0.12 (1)	8.25	K-L	-198/5	0.00 (1)
D-E	-88/0	-102.1 -102.1	0.12 (1)	8.25	M-N	-198/5	0.00 (1)
E-N	-64/0	-102.1 -102.1	0.12 (1)	8.25			
N-F	-39/0	-102.1 -102.1	0.03 (1)	8.25			
F-G	0/36	-102.1 -102.1	0.14 (1)	10.00			
B-K	0/64	-18.5 -18.5	0.08 (1)	10.00			
K-J	0/64	-18.5 -18.5	0.08 (1)	10.00			
J-I	0/53	-18.5 -18.5	0.06 (1)	10.00			
I-H	0/53	-18.5 -18.5	0.06 (1)	10.00			
H-M	0/64	-18.5 -18.5	0.08 (1)	10.00			
M-F	0/64	-18.5 -18.5	0.08 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	42.4	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
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

CS: TC=0.14/1.00 (A-B:1), BC=0.08/1.00 (H-M:1), WS=0.05/1.00 (E-H:1), SS=0.16/1.00 (F-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

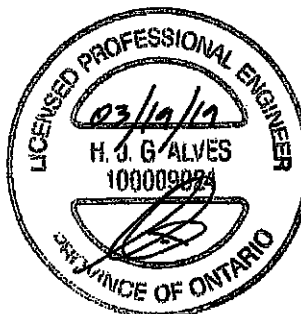
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.16 (E) (INPUT = 1.00)



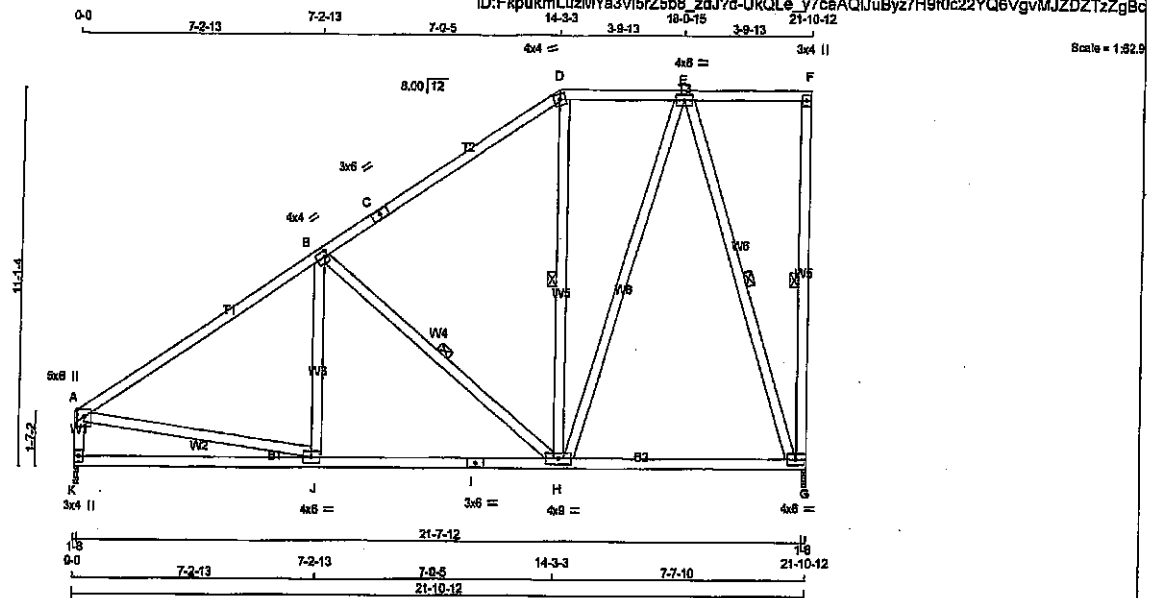
DRWG NO. TAM 17905426
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T54	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-UkQLe_y7caAQJuByz7H9R0c22YQ6vgvMJZDZTzZgBc



TOTAL WEIGHT = 3 X 120 = 367 lb

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TMVW-t	MT20	4.0	4.0	2.00	1.00
C	TS-t	MT20	3.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	6.0		
H	BMVW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	DOWN	UPLIFT	IN-SX
JT	VERT	HORZ	DOWN	UPLIFT
G	1320	0	1320	0
K	1320	0	1320	0

UNFACTORED REACTIONS

1ST LOASE	MAX/MIN. COMPONENT REACTIONS	PERMATIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE	PERMATIVE	WIND	DEAD
G	929	636 / 0	0 / 0	0 / 0	283 / 0
K	929	636 / 0	0 / 0	0 / 0	283 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

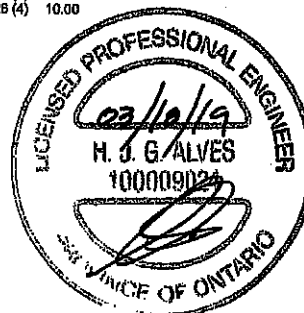
1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, B-H, D-H, E-G.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED	FORCE	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX	MEMB.	MAX. FACTORED	FORCE	MAX	MEMB.	FORCE	MAX
FR-TO	(LBS)	(PLF)	CSI (LC)	UNBRAC	LENGTH	FR-TO	(LBS)	CSI (LC)		FR-TO	(LBS)	CSI (LC)
A-B	-1355 / 0	-102.1	-102.1	0.77 (1)	4.37	J-B	-63 / 99	0.03 (1)				
B-C	-784 / 0	-102.1	-102.1	0.71 (1)	5.52	B-H	-733 / 0	0.32 (1)				
C-D	-784 / 0	-102.1	-102.1	0.71 (1)	5.52	H-D	-9 / 62	0.02 (4)				
D-E	-809 / 0	-102.1	-102.1	0.19 (1)	6.25	A-J	0 / 1186	0.19 (1)				
E-F	0 / 0	-102.1	-102.1	0.25 (1)	10.00	H-E	0 / 670	0.11 (1)				
G-F	-147 / 0	0.0	0.0	0.09 (1)	6.25	E-G	-1185 / 0	0.86 (1)				
K-A	-1285 / 0	0.0	0.0	0.13 (1)	7.16							
K-J	0 / 0	-18.5	-18.5	0.22 (4)	10.00							
J-I	0 / 1168	-18.5	-18.5	0.32 (4)	10.00							
I-H	0 / 1168	-18.5	-18.5	0.32 (4)	10.00							
H-G	0 / 394	-18.5	-18.5	0.28 (4)	10.00							



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 CBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.77/1.00 (A-B:1), BC=0.32/1.00 (H-J:4), WB=0.08/1.00 (E-G:1), SS=0.30/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1667 788 1987 1656

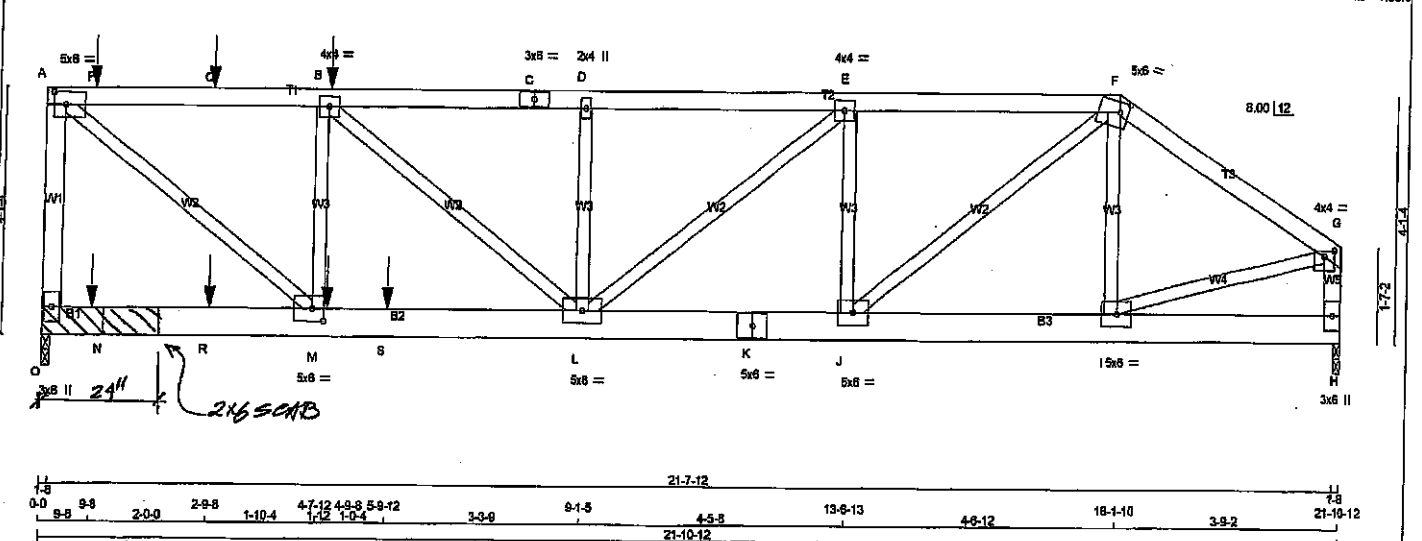
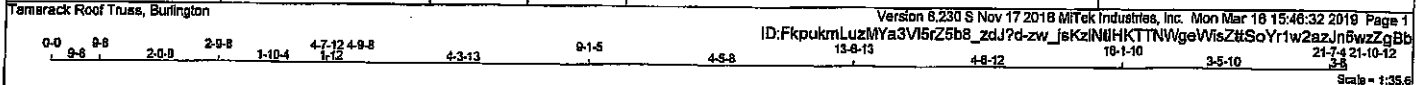
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.77 (J) (INPUT = 0.90)
JSI METAL = 0.57 (A) (INPUT = 1.00)

DRWG NO. TAM 7905427
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T55	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 15:46:32 2019 Page 1			
		ID:FkpukmLuzMYa3V15rZ5b8_zdJ?d-zw_jsKzINuHKTNNWgeWvisZ#SoYr1w2azJn6wzZgBb			
		13-8-13 4-8-12 10-1-10 21-7-4 21-10-12			
		Scale = 1:35.6			



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

CHORDS	SIZE	LUMBER	DESCR.
O - A	2x4	DRY No.2	SPF
A - C	2x4	DRY No.2	SPF
C - F	2x4	DRY No.2	SPF
F - G	2x4	DRY No.2	SPF
H - G	2x4	DRY No.2	SPF
O - K	2x6	DRY No.2	SPF
K - H	2x6	DRY No.2	SPF

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
O - A	12	TOP
A - C	12	SIDE(61.0)
C - F	12	TOP
F - G	12	TOP
H - G	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
O - K	12	SIDE(183.1)
K - H	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	5.0	6.0	2.50 2.25
B	TMVW-I	MT20	4.0	4.0	
C	TS-I	MT20	3.0	6.0	
D	TMVW-I	MT20	2.0	4.0	
E	TMVW-I	MT20	4.0	4.0	
F	TTWVW-m	MT20	5.0	6.0	2.00 1.75
G	TMVW-p	MT20	4.0	4.0	1.25 2.00
H	BMV1+p	MT20	3.0	6.0	
I	BMVW-I	MT20	5.0	6.0	
J	BMVW-I	MT20	5.0	6.0	
K	BS-I	MT20	5.0	6.0	
L	BMVWVW-I	MT20	5.0	6.0	
M	BMVW-I	MT20	5.0	6.0	2.50 2.25
O	BMV1+p	MT20	3.0	6.0	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL	HEEL	HEEL
B	4-8-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
M	4-8-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
N	9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
P	9-8	-134	-134	-	FRONT	VERT	TOTAL	-	-
Q	2-9-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
R	2-9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
S	5-9-12	-1820	-1820	-	FRONT	VERT	TOTAL	-	-

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL	HEEL	HEEL
B	4-8-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
M	4-8-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
N	9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
P	9-8	-134	-134	-	FRONT	VERT	TOTAL	-	-
Q	2-9-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
R	2-9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
S	5-9-12	-1820	-1820	-	FRONT	VERT	TOTAL	-	-

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL	HEEL	HEEL
B	4-8-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
M	4-8-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
N	9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
P	9-8	-134	-134	-	FRONT	VERT	TOTAL	-	-
Q	2-9-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
R	2-9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
S	5-9-12	-1820	-1820	-	FRONT	VERT	TOTAL	-	-

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL	HEEL	HEEL
B	4-8-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
M	4-8-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
N	9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
P	9-8	-134	-134	-	FRONT	VERT	TOTAL	-	-
Q	2-9-8	-123	-123	-	FRONT	VERT	TOTAL	-	-
R	2-9-8	-26	-26	-	FRONT	VERT	TOTAL	-	-
S	5-9-12	-1820	-1820	-	FRONT	VERT	TOTAL	-	-

TOTAL WEIGHT = 2 X 104 = 207 lb

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 28.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.4 PSF
 TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C.C.

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

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

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

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

ALLOWABLE DEFL.(LL) = 1/360 (0.73")
 CALCULATED VERT. DEFL.(LL) = 1/969 (0.08")
 ALLOWABLE DEFL.(TL) = 1/360 (0.73")
 CALCULATED VERT. DEFL.(TL) = 1/969 (0.15")

CSI: TC=0.39/1.00 (A-C:1), BC=0.65/1.00 (L-M:1), WB=0.54/1.00 (A-M:1), SI=0.47/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (M) (INPUT = 0.90)
 JSI METAL = 0.43 (A) (INPUT = 1.00)

DRWG NO. TAM T1905428

STRUCTURAL COMPONENT ONLY

DRWG NO. TAM T1905428

STRUCTURAL COMPONENT ONLY

DRWG NO. TAM T1905428

STRUCTURAL COMPONENT ONLY

DRWG NO. TAM T1905428

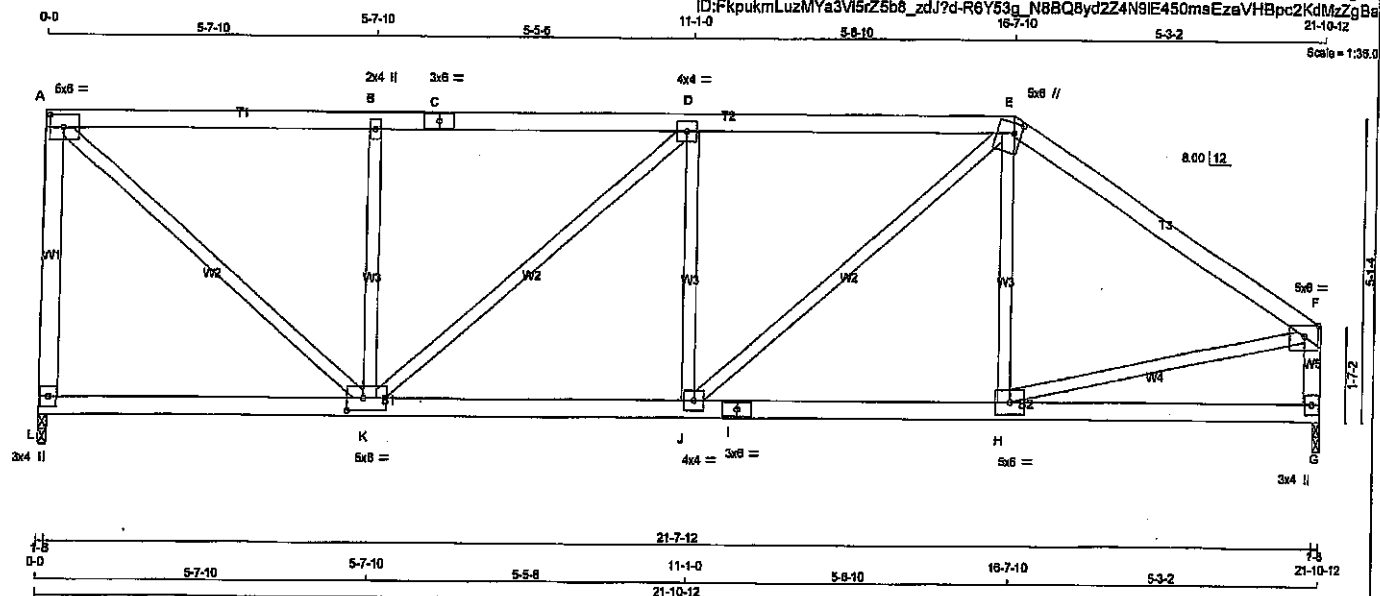
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T56	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ?d-R6Y53g_N8BQ8yd2Z4N9IE450msEzeVHBpc2KdMzZgBa

Scale = 1:39.0



TOTAL WEIGHT = 90 lb

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.50	2.75
B	TMVW-w	MT20	2.0	4.0		
C	TS-t	MT20	3.0	6.0		
D	TMVW-t	MT20	4.0	4.0		
E	TTVW-w	MT20	5.0	6.0	2.00	1.50
F	TMVW-p	MT20	5.0	6.0	Edge	
G	BMV1-p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-w	MT20	5.0	8.0	2.50	3.25
L	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
L	1320	0	1320	0
G	1320	0	1320	0

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	COMBINED		929	836 / 0	0 / 0	0 / 0	293 / 0	0 / 0
G			929	836 / 0	0 / 0	0 / 0	293 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
L-A		-1277 / 0	0.0	0.0	0.58 (1)	7.13	H-E	-151 / 43	0.06 (1)				
A-B		-1221 / 0	-102.1	-102.1	0.47 (1)	5.16	H-F	0 / 1147	0.28 (1)				
B-C		-1221 / 0	-102.1	-102.1	0.47 (1)	5.16	K-B	-621 / 0	0.24 (1)				
C-D		-1221 / 0	-102.1	-102.1	0.47 (1)	5.16	A-K	0 / 1606	0.38 (1)				
D-E		-1570 / 0	-102.1	-102.1	0.49 (1)	4.68	J-E	0 / 805	0.14 (1)				
E-F		-1343 / 0	-102.1	-102.1	0.57 (1)	4.82	J-D	-302 / 0	0.12 (1)				
G-F		-1281 / 0	0.0	0.0	0.13 (1)	7.13	K-D	-465 / 0	0.47 (1)				
L-K		0 / 0	-18.5	-18.5	0.14 (4)	10.00							
K-J		0 / 1570	-18.5	-18.5	0.32 (1)	10.00							
J-I		0 / 1112	-18.5	-18.5	0.25 (1)	10.00							
I-H		0 / 1112	-18.5	-18.5	0.25 (1)	10.00							
H-G		0 / 0	-18.5	-18.5	0.13 (4)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 2016

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/989 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/899 (0.10")

CSI: TC=0.57/1.00 (E-F:1), BC=0.32/1.00 (A-K:1),
WB=0.47/1.00 (D-K:1), SSI=0.27/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1636

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (F) (INPUT = 0.90)
JSI METAL= 0.32 (K) (INPUT = 1.00)



DWG NO. TAM 17905429
STRUCTURAL
COMPONENT ONLY

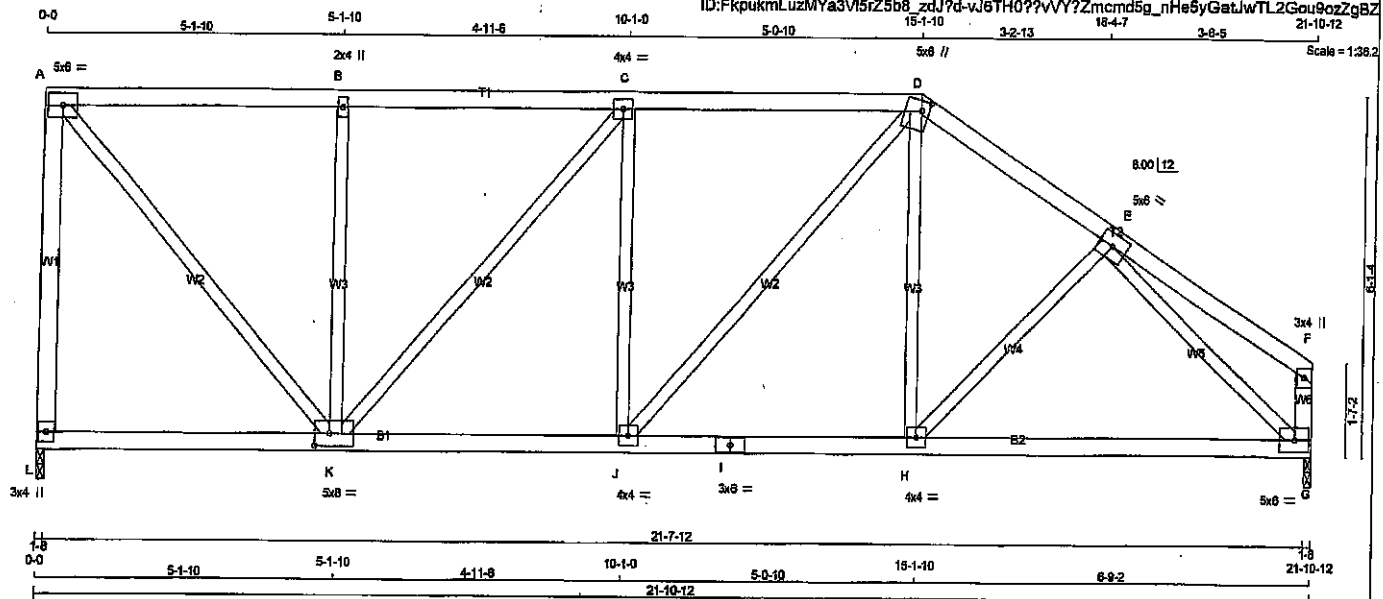
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T57	1	1	TRUSS DESC.		

Tamareck Roof Truss, Burlington

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Scale = 1:38.2



TOTAL WEIGHT = 98 lb

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

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0		
B	TMVW-w	MT20	2.0	4.0		
C	TMVW-t	MT20	4.0	4.0		
D	FTVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW-t	MT20	5.0	6.0		
F	TMVW-p	MT20	3.0	4.0		
G	BMVW-1	MT20	5.0	6.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-1	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-t	MT20	5.0	8.0	2.50	3.00
L	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1320	0	1320	0
G	1320	0	1320	0

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	929	638 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0
G	929	638 / 0	0 / 0	0 / 0	0 / 0	293 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 5.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FORCE	VERT. LOAD	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED	FORCE	MAX. FACTORED
FR-TO			(LBS)	(PLF)	CS (LC)	UNBRAC	FR-TO		(LBS)	CS (LC)
L-A	-1281 / 0	0.0	0.0	0.92 (1)	7.13	H-D	0 / 143	0.04 (4)		
A-B	-943 / 0	-102.1	-102.1	0.37 (1)	5.85	A-K	0 / 1425	0.32 (1)		
B-C	-943 / 0	-102.1	-102.1	0.37 (1)	5.85	K-B	-564 / 0	0.33 (1)		
C-D	-1282 / 0	-102.1	-102.1	0.38 (1)	5.20	J-D	0 / 309	0.07 (1)		
D-E	-1317 / 0	-102.1	-102.1	0.20 (1)	5.41	J-C	-158 / 28	0.09 (1)		
E-F	0 / 20	-102.1	-102.1	0.17 (1)	10.00	K-C	-522 / 0	0.81 (1)		
G-F	-137 / 0	0.0	0.0	0.01 (1)	7.81	H-E	-16 / 42	0.01 (4)		
L-K	0 / 0	-18.5	-18.5	0.12 (4)	10.00	E-G	-1508 / 0	0.80 (1)		
K-J	0 / 1282	-18.5	-18.5	0.28 (1)	10.00					
J-I	0 / 1078	-18.5	-18.5	0.27 (1)	10.00					
I-H	0 / 1078	-18.5	-18.5	0.27 (1)	10.00					
H-G	0 / 1087	-18.5	-18.5	0.28 (1)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL =	29.0 PSF
DL =	8.0 PSF
BOT CH. LL =	0.0 PSF
DL =	7.4 PSF
TOTAL LOAD =	42.4 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 085-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/899 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/899 (0.09")

CS: TC=0.92/1.00 (A-L), BC=0.28/1.00 (G-H), WB=0.61/1.00 (C-K), SS=0.24/1.00 (A-B-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

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

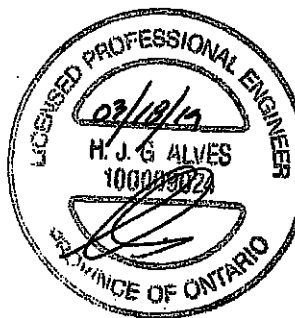
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MT20	618	354
	1667	768
	1667	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (A) (INPUT = 0.90)
JSI METAL= 0.38 (E) (INPUT = 1.00)



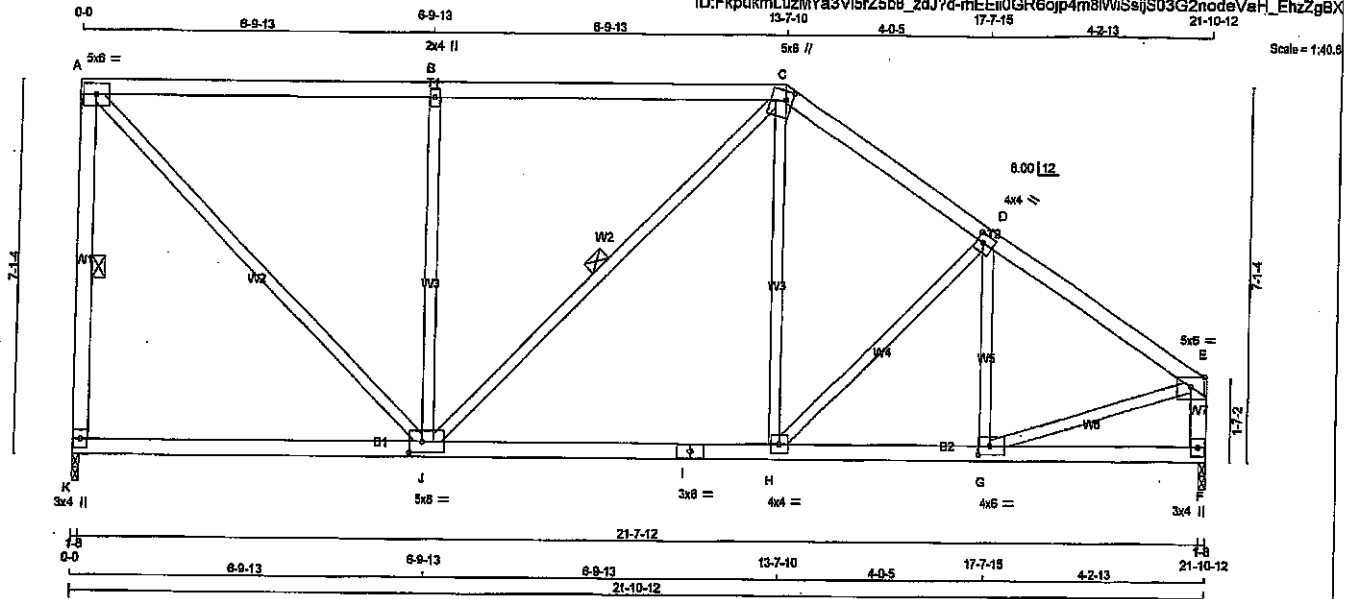
DRWG NO. TAM 17905430
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T58	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-mEEI0GR6ojp4m8lWIsSijS03G2nodeVaH_EhzZgBX



TOTAL WEIGHT = 97 lb

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0		
B	TMVW-w	MT20	2.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMVW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW-p	MT20	5.0	6.0	Edge	
F	BMV1-p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	6.0	2.00	2.75
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVWV-t	MT20	5.0	8.0	2.50	3.00
K	BMV1-p	MT20	3.0	4.0		

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ UPLIFT		
K	1320	0	1320	0	1-8	1-8
F	1320	0	1320	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LOASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
K	928	636/0	0/0	0/0	0/0	293/0	0/0
F	928	636/0	0/0	0/0	0/0	293/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-K, C-J.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
K-A	-1288 / 0	0.0	0.0 0.29 (1)	5.71	A-J	0 / 1424	0.32 (1)
A-B	-1010 / 0	-102.1	-102.1 0.88 (1)	4.37	J-B	-854 / 0	0.78 (1)
B-C	-1010 / 0	-102.1	-102.1 0.88 (1)	4.37	J-C	-9 / 5	0.01 (4)
C-D	-1236 / 0	-102.1	-102.1 0.32 (1)	5.38	H-C	0 / 251	0.08 (1)
D-E	-1361 / 0	-102.1	-102.1 0.32 (1)	5.18	H-D	-214 / 0	0.12 (1)
F-E	-1285 / 0	0.0	0.0 0.14 (1)	7.11	G-D	-273 / 0	0.08 (1)
					G-E	0 / 1205	0.27 (1)
K-J	0 / 0	-18.5	-18.5 0.22 (4)	10.00			
J-I	0 / 1007	-18.5	-18.5 0.30 (4)	10.00			
I-H	0 / 1007	-18.5	-18.5 0.30 (4)	10.00			
H-G	0 / 1154	-18.5	-18.5 0.25 (1)	10.00			
G-F	0 / 0	-18.5	-18.5 0.07 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.89/1.00 (A-B:1), BC=0.30/1.00 (H-J:4),
WB=0.76/1.00 (B-J:1), SS=0.34/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

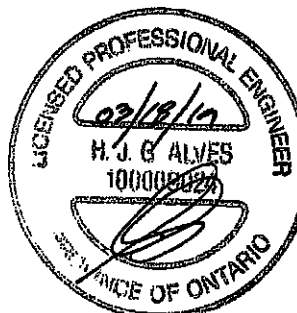
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1637 788 1887 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (E) (INPUT = 0.50)
JSI METAL= 0.34 (I) (INPUT = 1.00)

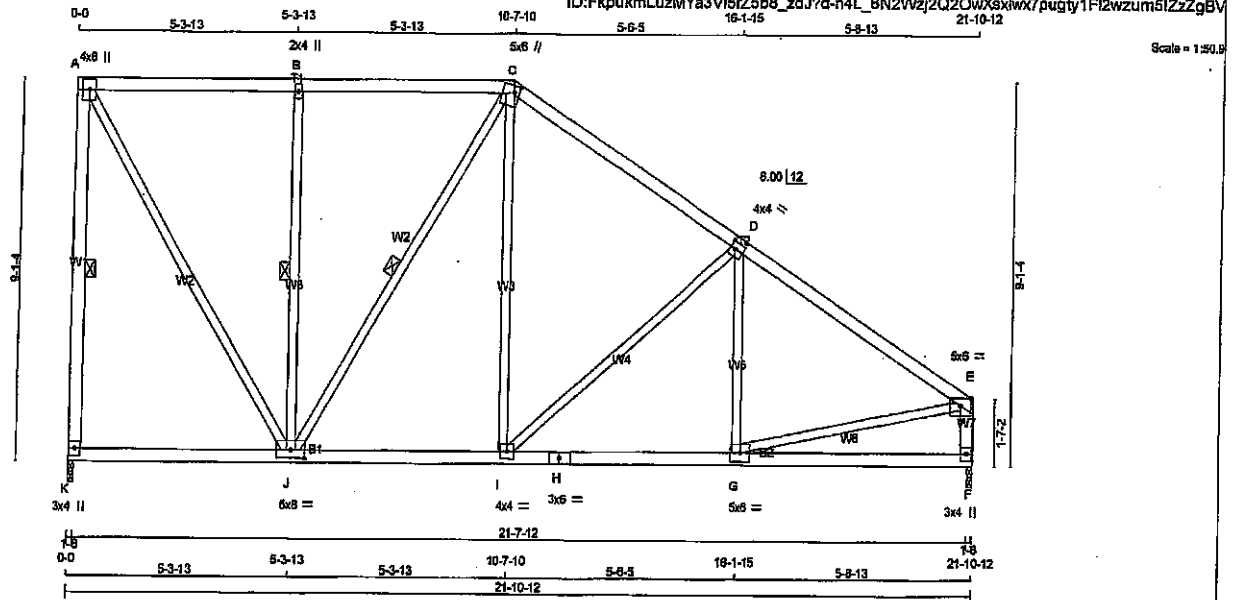


DRWG NO. TAM 71905431
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T60	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V15rZ5b8_zdJ7d-n4L_8N2Vwzj2Q2OwXsxiwx7pugty1F12wzum512zzgBV



TOTAL WEIGHT = 108 lb
[M/F]

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

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

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
A	TMVV+p	MT20	4.0	6.0			
B	TMVW+w	MT20	2.0	4.0			
C	TMVW+m	MT20	5.0	8.0	2.00	1.50	
D	TMVW-t	MT20	4.0	4.0	2.00	1.50	
E	TMVV-p	MT20	5.0	8.0	Edge		
F	BMV1+p	MT20	3.0	4.0			
G	BMVW-t	MT20	5.0	8.0			
H	BS-t	MT20	3.0	6.0			
I	BMVW-t	MT20	4.0	4.0			
J	BMVWV-t	MT20	5.0	8.0	2.25	4.00	
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	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	DOWN	HORZ	UPLIFT	IN-SX
K	1320	0	1320	0
F	1320	0	1320	0

UNFACTORED REACTIONS							
	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	929	636 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0
F	929	636 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0

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

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-K, B-J, C-J.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
K-A		-1279 / 0	0.0	0.0	0.49 (1)	5.70	A-J	0 / 1253	0.28 (1)				
A-B		-851 / 0	-102.1	-102.1	0.37 (1)	6.25	J-B	-672 / 0	0.36 (1)				
B-C		-851 / 0	-102.1	-102.1	0.37 (1)	6.25	J-C	-340 / 0	0.28 (1)				
C-D		-1027 / 0	-102.1	-102.1	0.43 (1)	5.61	I-C	0 / 424	0.10 (1)				
D-E		-1365 / 0	-102.1	-102.1	0.46 (1)	4.98	I-D	-480 / 0	0.57 (1)				
E-F		-1276 / 0	0.0	0.0	0.13 (1)	7.13	G-D	-146 / 53	0.06 (1)				
K-J		0 / 0	-18.5	-18.5	0.12 (4)	10.00	G-E	0 / 1213	0.27 (1)				
J-I		0 / 828	-18.5	-18.5	0.19 (1)	10.00							
I-H		0 / 1184	-18.5	-18.5	0.26 (1)	10.00							
H-G		0 / 1184	-18.5	-18.5	0.26 (1)	10.00							
G-F		0 / 0	-18.5	-18.5	0.14 (4)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/899 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/899 (0.08")

CSI: TC=0.49/1.00 (A-K:1), BC=0.26/1.00 (G-I:1), WB=0.57/1.00 (D-I:1), SS=0.26/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (E) (INPUT = 0.90)
JSI METAL= 0.37 (H) (INPUT = 1.00)



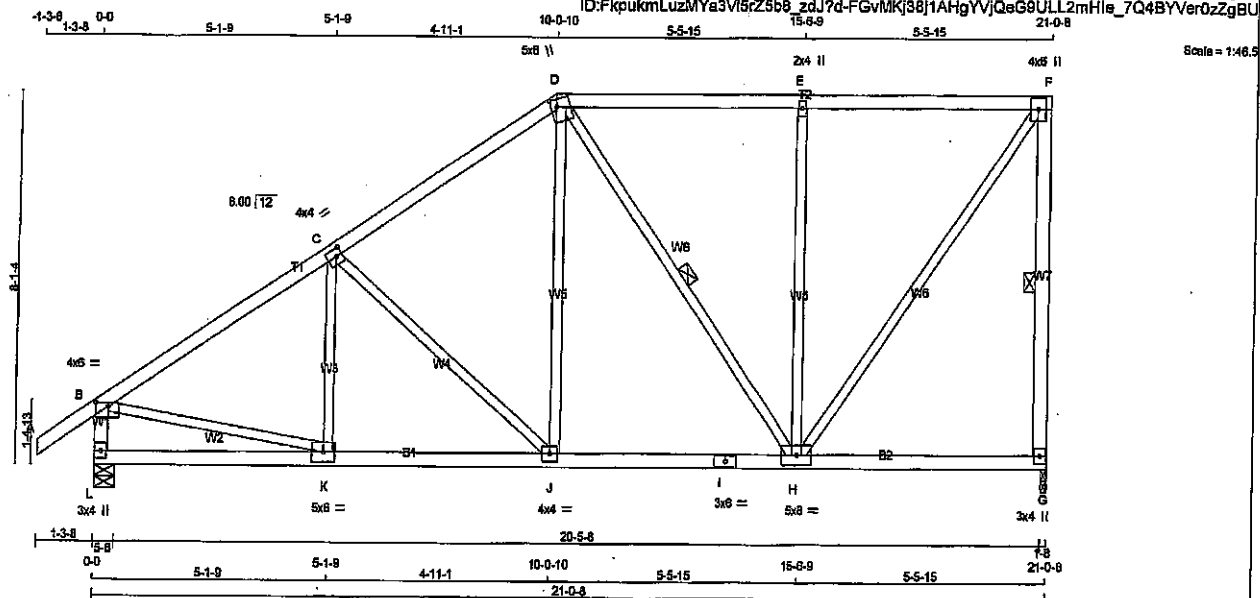
DRWG NO. TAM 71905433
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T65	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 102 lb

LUMBERS

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVV-p	MT20	4.0	6.0	1.00	3.25
C	TMVV-t	MT20	4.0	4.0	2.00	1.50
D	TTVV+m	MT20	5.0	6.0	2.00	1.50
E	TMVV-w	MT20	2.0	4.0		
F	TMVV+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVVW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMVVW-t	MT20	4.0	4.0		
K	BMVVW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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	1269 0	1269 0	1-3	1-5
G L	1409 0	1409 0	5-5	5-3

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
G	893	811 / 0	0 / 0	0 / 0	282 / 0	0 / 0	
L	989	931 / 0	0 / 0	0 / 0	298 / 0	0 / 0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.90 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX.	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	UNBRAC	LENGTH	MEMB.	FORCE (LBS)
FR-TO		FROM TO			FR-TO		
A-B	0 / 39	-102.1 -102.1	0.14 (1)	10.00	K-C	-145 / 42	0.05 (1)
B-C	-1374 / 0	-102.1 -102.1	0.50 (1)	4.80	C-J	-425 / 0	0.38 (1)
C-D	-1053 / 0	-102.1 -102.1	0.47 (1)	5.43	J-D	0 / 376	0.08 (1)
D-E	-716 / 0	-102.1 -102.1	0.54 (1)	6.12	D-H	-249 / 0	0.18 (1)
E-F	-717 / 0	-102.1 -102.1	0.54 (1)	6.12	H-E	-694 / 0	0.88 (1)
G-F	-1227 / 0	0.0 0.0	0.36 (1)	5.78	H-F	0 / 1240	0.28 (1)
L-B	-1369 / 0	0.0 0.0	0.14 (1)	6.84	B-K	0 / 1197	0.27 (1)
L-K	0 / 0	-18.5 -18.5	0.11 (4)	10.00			
K-J	0 / 1171	-18.5 -18.5	0.24 (1)	10.00			
J-I	0 / 859	-18.5 -18.5	0.21 (1)	10.00			
I-H	0 / 859	-18.5 -18.5	0.21 (1)	10.00			
H-G	0 / 0	-18.5 -18.5	0.14 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G.C.

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 088-08, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/380 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/380 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CS1: TO=0.54/1.00 (E-F-1), BC=0.24/1.00 (J-K-1), WB=0.98/1.00 (E-H-1), SS1=0.27/1.00 (E-F-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

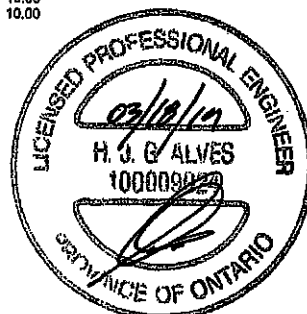
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1957 1656

PLATE PLACEMENT TOL. = 0.250 inches

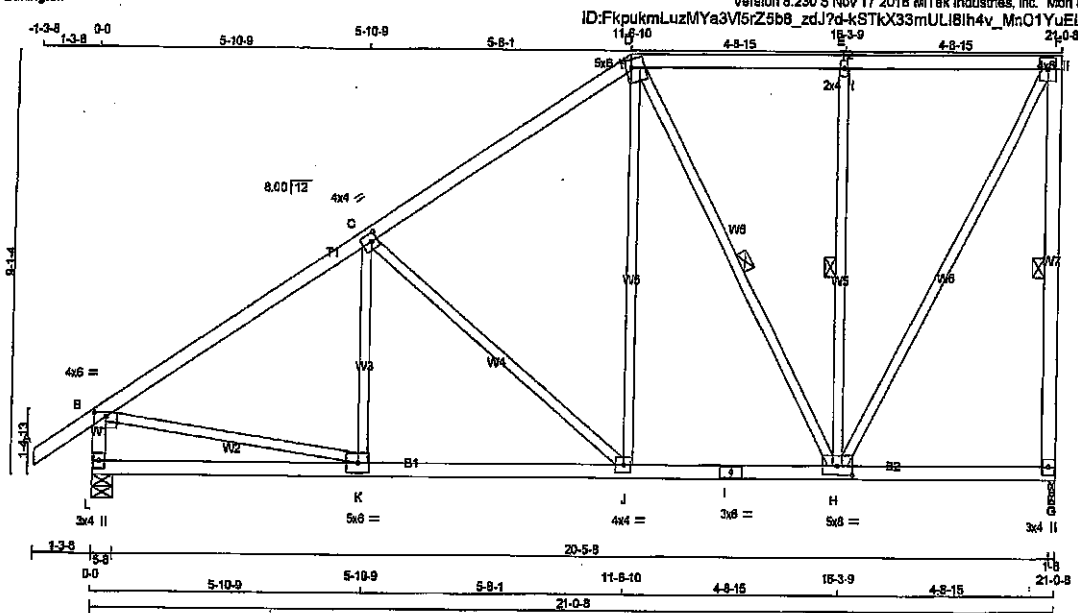
PLATE ROTATION TOL. = 5.0 Deg.

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



DRWG NO. TAM 77905434
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T66	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:46:40 2019 Page 1			
		ID:FkpukmLuzMYa3V5rZ5b8_zdJ?d-kSTKX33mULI8h4v_Mn01YueLgdSjdDDQCFCNSzZgBT			



TOTAL WEIGHT = 107 lb (M/F)

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

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
G	1269	0	1269	0	1-8	1-8	
L	1409	0	1409	0	5-8	5-8	

UNFACTORED REACTIONS		MAX/MIN. COMPONENT REACTIONS	
1ST LCASE		COMBINED	
JT	883	611 / 0	0 / 0
G	883	611 / 0	0 / 0
L	989	691 / 0	0 / 0

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 38	-102.1 -102.1	0.14 (1)	10.00	K-C	-93 / 73	0.04 (1)
B-C	-1366 / 0	-102.1 -102.1	0.48 (1)	4.85	C-J	-554 / 0	0.85 (1)
C-D	-944 / 0	-102.1 -102.1	0.45 (1)	5.75	J-D	0 / 455	0.10 (1)
D-E	-567 / 0	-102.1 -102.1	0.29 (1)	6.25	D-H	-400 / 0	0.28 (1)
E-F	-567 / 0	-102.1 -102.1	0.29 (1)	6.25	H-E	-598 / 0	0.32 (1)
G-F	-1231 / 0	0.0 0.0	0.47 (1)	5.75	H-F	0 / 1188	0.27 (1)
L-B	-1364 / 0	0.0 0.0	0.14 (1)	6.85	B-K	0 / 1188	0.27 (1)
L-K	0 / 0	-18.5 -18.5	0.15 (4)	10.00			
K-J	0 / 1169	-18.5 -18.5	0.27 (1)	10.00			
J-I	0 / 750	-18.5 -18.5	0.17 (1)	10.00			
I-H	0 / 750	-18.5 -18.5	0.17 (1)	10.00			
H-G	0 / 0	-18.5 -18.5	0.09 (4)	10.00			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	6.0	1.00 3.25
C	TMVW-t	MT20	4.0	4.0	2.00 1.50
D	TMVW+m	MT20	5.0	6.0	2.00 1.50
E	TMVW+w	MT20	2.0	4.0	
F	TMVW+p	MT20	4.0	6.0	
G	BMV1+p	MT20	3.0	4.0	
H	BMVWV-t	MT20	5.0	8.0	2.25 4.00
I	BS4	MT20	3.0	6.0	
J	BMVW-t	MT20	4.0	4.0	
K	BMVW-t	MT20	5.0	6.0	
L	BMV1+p	MT20	3.0	4.0	

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 8 OF BCBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.49/1.00 (B-C:1), BC=0.27/1.00 (J-K:1), WB=0.65/1.00 (C-J:1), SS=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

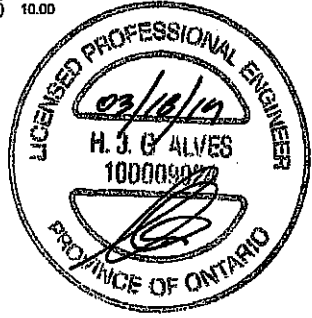
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

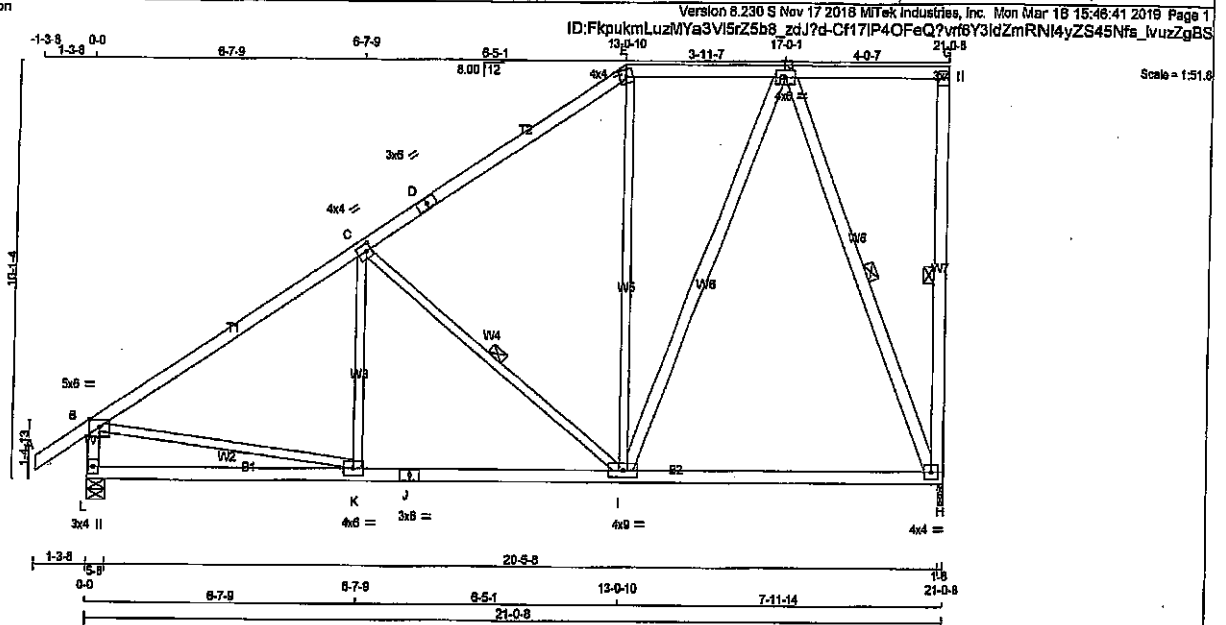
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.74 (H) (INPUT = 0.90)
JSI METAL = 0.33 (B) (INPUT = 1.00)



DWG NO. TAM 17905435
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T67	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 2 X 112 = 224 lb
[MIF]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	Edge	
C TMVW-t	MT20	4.0	4.0	2.00	1.50
D TS-t	MT20	3.0	6.0		
E TTW-m	MT20	4.0	4.0		
F TMVW-t	MT20	4.0	6.0		
G TMV+p	MT20	3.0	4.0		
H BMVW1-t	MT20	4.0	4.0		
I BMVWV-t	MT20	4.0	9.0		
J BS-t	MT20	3.0	6.0		
K BMVW-t	MT20	4.0	6.0		
L BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REORD BRG IN-SX
JT VERT	1289	1289	0	1-8
H	1409	1409	0	5-8
L	1409	1409	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE			
H	893	611 / 0	0 / 0	282 / 0	0 / 0
L	989	691 / 0	0 / 0	299 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO												
A-B	0 / 39	-102.1	-102.1	0.14 (1)	10.00	K-C	-64 / 84	0.03 (1)				
B-C	-1345 / 0	-102.1	-102.1	0.83 (1)	4.72	C-I	-585 / 0	0.33 (1)				
C-D	-825 / 0	-102.1	-102.1	0.58 (1)	5.76	I-E	0 / 74	0.03 (4)				
D-E	-825 / 0	-102.1	-102.1	0.58 (1)	5.76	E-F	0 / 588	0.09 (1)				
E-F	-647 / 0	-102.1	-102.1	0.21 (1)	6.25	F-H	-1138 / 0	0.68 (1)				
F-G	0 / 0	-102.1	-102.1	0.27 (1)	10.00	B-K	0 / 1171	0.26 (1)				
H-G	-157 / 0	0.0	0.0	0.08 (1)	6.25							
L-B	-1357 / 0	0.0	0.0	0.14 (1)	6.97							
L-K	0 / 0	-18.5	-18.5	0.16 (4)	10.00							
K-J	0 / 1158	-18.5	-18.5	0.34 (4)	10.00							
J-I	0 / 1158	-18.5	-18.5	0.34 (4)	10.00							
I-H	0 / 433	-18.5	-18.5	0.28 (4)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G.C.

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/959 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.63/1.00 (B-C:1), EC=0.34/1.00 (I-K:4), WB=0.68/1.00 (F-H:1), SS=0.27/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

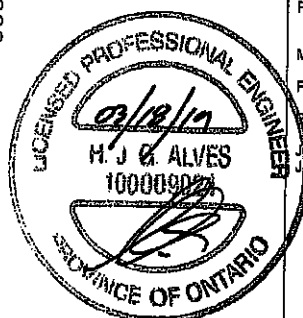
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1987 1858

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

GRIP= 0.80 (B) (INPUT = 0.80)
METAL= 0.35 (J) (INPUT = 1.00)

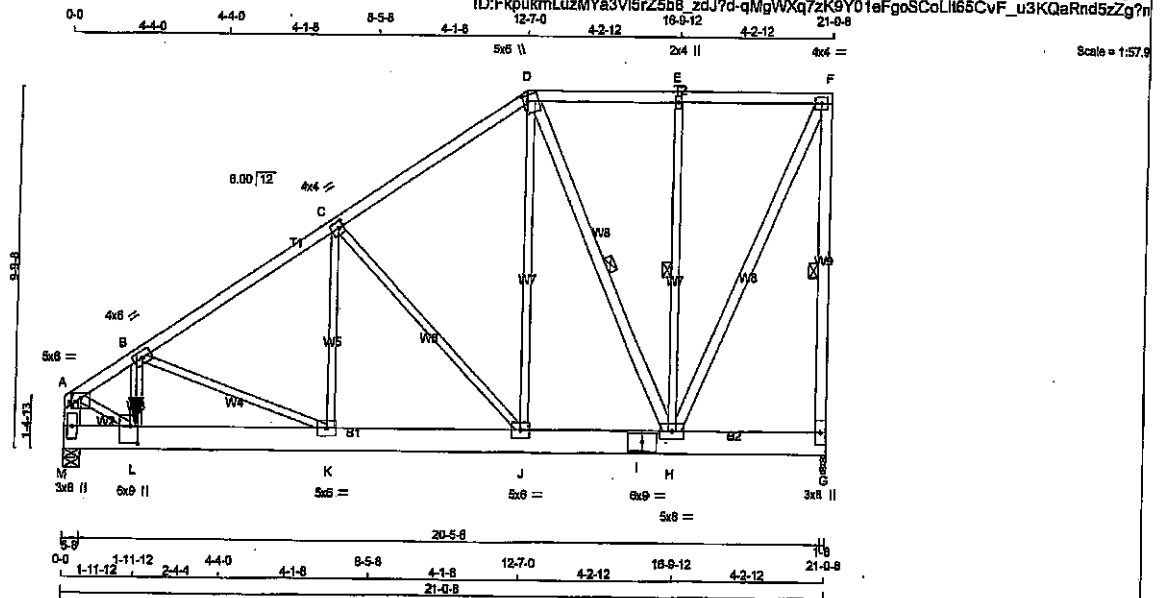


DWG NO. TAM 1905936
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T68	1	3	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 143 = 430 lb

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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 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 - F	12	TOP
F - G	12	TOP
M - A	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
M - I	4	SIDE (1556.5)
I - G	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	
B - L	1	SIDE (70.3)
2x4	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	1.50 3.00
B	TMVW-t	MT20	4.0	6.0	
C	TMVW-t	MT20	4.0	4.0	2.00 1.50
D	TTVW+m	MT20	5.0	6.0	2.00 1.50
E	TMVW-m	MT20	2.0	4.0	
F	TMVW-t	MT20	4.0	4.0	
G	BMV1+p	MT20	3.0	8.0	
H	BMVWW-t	MT20	5.0	8.0	
I	BS-t	MT20	6.0	8.0	
J	BMVW-t	MT20	5.0	8.0	
K	BMVW-t	MT20	5.0	6.0	
L	BMVW-t	MT20	6.0	9.0	6.50 2.50
M	BMV1+p	MT20	3.0	8.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	HORZ	GROSS REACTION	JT	VERT	HORZ	DOWN	UPLIFT	BRG
G	1849	0	1849	0	0	0	1-8	1-8	1-8
M	6858	0	6858	0	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	1300	897 / 0	0 / 0	0 / 0	0 / 0	403 / 0	0 / 0
M	4813	3357 / 0	0 / 0	0 / 0	0 / 0	1448 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

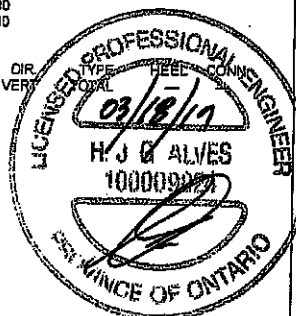
LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-6577 / 0	-102.1	-102.1 0.09 (1)	4.55	L-B	0 / 2875	0.15 (1)
B-C	-2977 / 0	-102.1	-102.1 0.18 (1)	6.07	B-K	-3243 / 0	0.62 (1)
C-D	-1463 / 0	-102.1	-102.1 0.18 (1)	6.25	K-C	0 / 1652	0.12 (1)
D-E	-752 / 0	-102.1	-102.1 0.10 (1)	6.25	C-J	-1941 / 0	0.80 (1)
E-F	-753 / 0	-102.1	-102.1 0.10 (1)	6.25	J-D	0 / 1429	0.11 (1)
G-F	-1815 / 0	0.0	0.0 0.28 (1)	6.25	D-H	-1100 / 0	0.19 (1)
M-A	-8285 / 0	0.0	0.0 0.14 (1)	7.01	H-E	-530 / 0	0.11 (1)
					H-F	0 / 1811	0.10 (1)
M-L	0 / 0	-18.5	-18.5 0.16 (1)	10.00	A-L	0 / 8059	0.45 (1)
L-K	0 / 5491	-18.5	-18.5 0.34 (1)	10.00			
K-J	0 / 2498	-18.5	-18.5 0.11 (1)	10.00			
J-I	0 / 1203	-18.5	-18.5 0.05 (1)	10.00			
I-H	0 / 1203	-18.5	-18.5 0.05 (1)	10.00			
H-G	0 / 0	-18.5	-18.5 0.01 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR
L	1-11-12	-6169	-8169	-	BACK	VERT



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 NBC 2015, OBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.70")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.70")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.28/1.00 (F-G-T), BC=0.34/1.00 (K-L-1), WB=0.80/1.00 (C-J-1), SS=0.10/1.00 (L-M-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

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

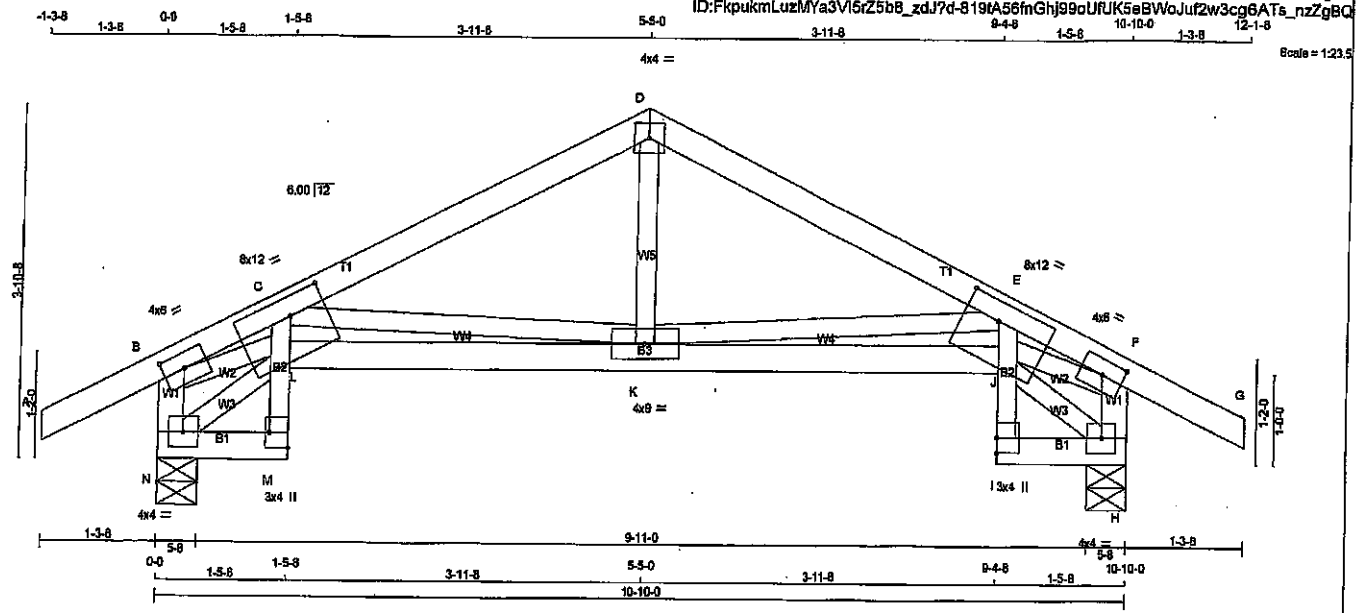
PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.89 (L) (INPUT = 0.90)
SI METAL= 0.55 (L) (INPUT = 1.00)

DRWG NO. TAM 1905437
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T70S	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
N - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
N - M	2x4	DRY	No.2
M - C	2x3	DRY	No.2
L - J	2x4	DRY	No.2
I - E	2x3	DRY	No.2
I - H	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-t	MT20	4.0	6.0	2.00 3.00
C E, J, L				
C	TMVWVWV-t	MT20	8.0	12.0 2.50 4.75
D	TTW-p	MT20	4.0	4.0
E	TMVWVWV-t	MT20	8.0	12.0 2.50 4.75
F	TMVW-t	MT20	4.0	6.0 2.00 3.00
H	BMVW-t	MT20	4.0	4.0
I	BMV-p	MT20	3.0	4.0
K	BMVWVWV-t	MT20	4.0	8.0
M	BMV-p	MT20	3.0	4.0 2.00 Edge
N	BMVW-t	MT20	4.0	4.0

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
N	792	0	792	0	0	5-8	5-8	5-8	5-8
H	792	0	792	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST LOASE		MAX./MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERMALIVE	WIND
N	555	383 / 0	0 / 0	0 / 0	0 / 0
H	555	383 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 31	-102.1	-102.1	0.13 (1)	10.00	K-D	0 / 280
B-C	-1450 / 0	-102.1	-102.1	0.12 (1)	5.32	K-E	-715 / 0
C-D	-753 / 0	-102.1	-102.1	0.24 (1)	8.25	C-K	-715 / 0
D-E	-753 / 0	-102.1	-102.1	0.24 (1)	6.25	N-L	-80 / 0
E-F	-1450 / 0	-102.1	-102.1	0.12 (1)	5.32	B-L	0 / 1293
F-G	0 / 31	-102.1	-102.1	0.13 (1)	10.00	J-H	-80 / 0
N-B	-744 / 0	0.0	0.0	0.08 (1)	7.81	J-F	0 / 1293
H-F	-744 / 0	0.0	0.0	0.08 (1)	7.81		
N-M	0 / 48	-18.5	-18.5	0.01 (4)	10.00		
M-L	0 / 14	0.0	0.0	0.13 (1)	10.00		
L-C	0 / 140	0.0	0.0	0.18 (1)	10.00		
L-K	0 / 1376	-18.5	-18.5	0.27 (1)	10.00		
K-J	0 / 1376	-18.5	-18.5	0.27 (1)	10.00		
J-I	0 / 14	0.0	0.0	0.13 (1)	10.00		
I-E	0 / 140	0.0	0.0	0.18 (1)	10.00		
H	0 / 48	-18.5	-18.5	0.01 (4)	10.00		

TOTAL WEIGHT = 45 lb

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 28.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 42.4 PSF

SPACING = 24.0 IN. GC

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/959 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/959 (0.06")

CSI: TC=0.24/1.00 (C-D:1), BC=0.27/1.00 (K-L:1), WB=0.28/1.00 (B-L:1), SS=0.15/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

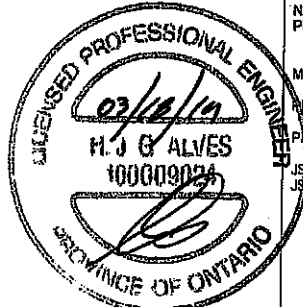
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES						
MT20	PLATE GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
	618	354	1567	788	1987	1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JS GRIP= 0.64 (C) (INPUT = 0.90)
JS METAL= 0.39 (B) (INPUT = 1.00)

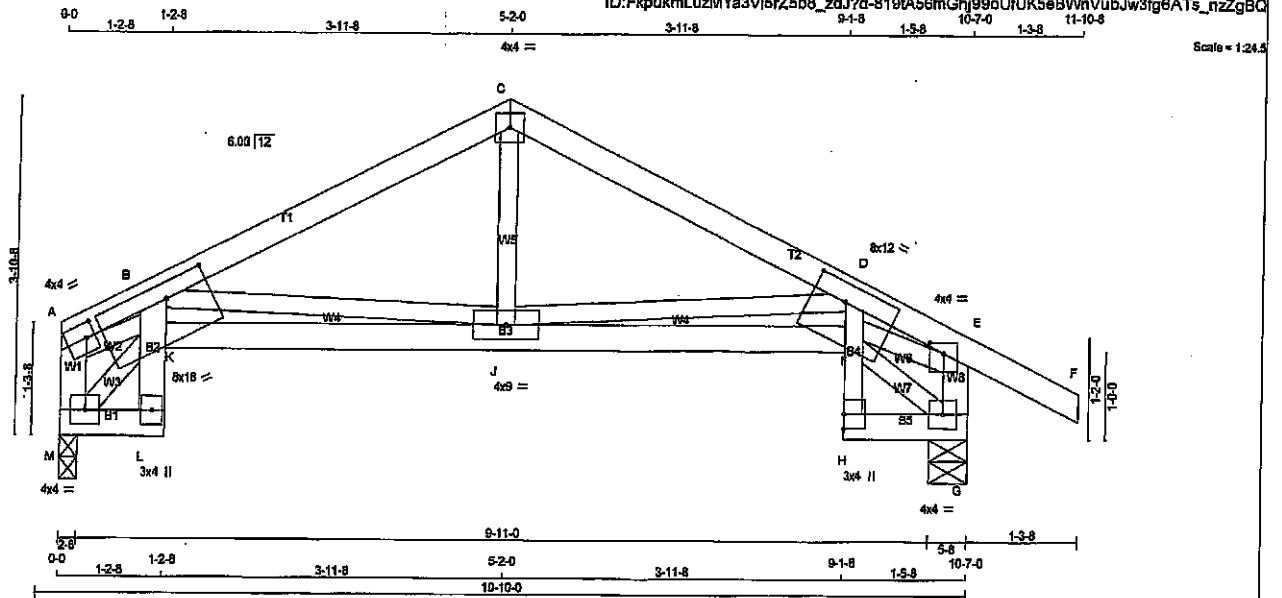


DRWG NO. TAM **77905438**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T70SA	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 43 lb

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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-4	MT20	4.0	4.0	2.00 1.25
B, D, I, K					
C	TTW-p	MT20	4.0	4.0	
D	TMBVWWW*-MT20		8.0	12.0	2.50 4.75
E	TMVW-p	MT20	4.0	4.0	1.50 2.00
G	BMVW1-t	MT20	4.0	4.0	
H	BMV+p	MT20	3.0	4.0	
J	BMVWWW-t	MT20	4.0	9.0	
K	TMBVWWW*-MT20		8.0	16.0	2.25 8.00
L	BMV+p	MT20	3.0	4.0	
M	BMVW1-t	MT20	4.0	4.0	

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

BEARINGS					
	FACTORED	MAXIMUM FACTORED	INPUT	REQD	
	GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
M	629	0	629	0	0
G	786	0	786	0	0

UNFACTORED REACTIONS

1ST LCASE MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
M	443	302 / 0	0 / 0	0 / 0	0 / 0	141 / 0
G	550	391 / 0	0 / 0	0 / 0	0 / 0	159 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.29 FT.
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	-5 / 15	-102.1 -102.1	0.05 (1)	10.00	J-C	0 / 257	0.06 (1)
B-C	-738 / 0	-102.1 -102.1	0.30 (1)	8.25	J-D	-714 / 0	0.21 (1)
C-D	-738 / 0	-102.1 -102.1	0.28 (1)	8.25	B-J	-801 / 0	0.18 (1)
D-E	-1435 / 0	-102.1 -102.1	0.15 (1)	5.29	M-B	-726 / 0	0.10 (1)
E-F	0 / 31	-102.1 -102.1	0.13 (1)	10.00	I-G	-59 / 0	0.01 (1)
M-A	-19 / 0	0.0 0.0	0.00 (4)	7.81	I-E	0 / 1280	0.29 (1)
G-E	-738 / 0	0.0 0.0	0.07 (1)	7.81			
M-L	0 / 405	-18.5 -18.5	0.07 (1)	10.00			
L-K	0 / 11	0.0 0.0	0.55 (1)	10.00			
K-B	0 / 152	0.0 0.0	0.58 (1)	10.00			
K-J	0 / 1252	-18.5 -18.5	0.25 (1)	10.00			
J-I	0 / 1382	-18.5 -18.5	0.27 (1)	10.00			
H-I	0 / 14	0.0 0.0	0.13 (1)	10.00			
I-D	0 / 139	0.0 0.0	0.18 (1)	10.00			
H-G	0 / 48	-18.5 -18.5	0.01 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 BCBC 2018, OEC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.30/1.00 (B-C:1), BC=0.58/1.00 (B-K:1), WB=0.29/1.00 (E-I:1), SS=0.85/1.00 (B-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.45 (E) (INPUT = 1.00)

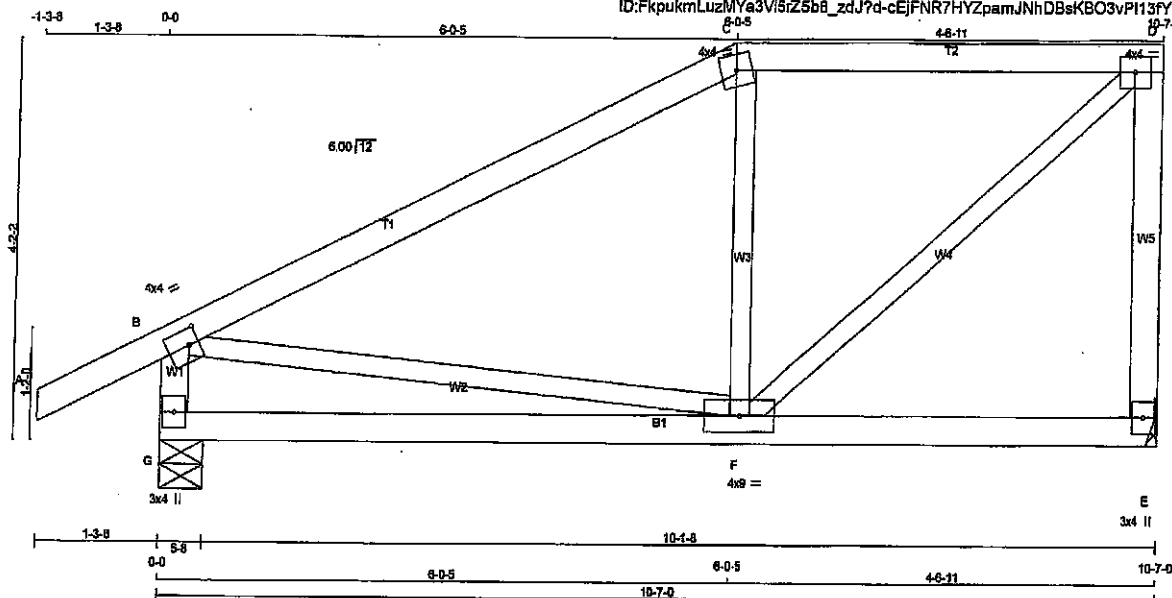


DRWG NO. TAM 71905439
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T71	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/22.5

TOTAL WEIGHT = 44 lb

LUMBER

N.L.G.A. RULES

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-I	MT20	4.0	4.0	2.00	1.25
C	TTW-m	MT20	4.0	4.0		
D	TMVW-I	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW-I	MT20	4.0	9.0		
G	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORZ	UPLIFT
E	638	0	638	0
G	777	0	777	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	449	307/0	0/0	0/0	0/0	142/0	0/0
G	544	386/0	0/0	0/0	0/0	158/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0/31	-102.1	-102.1	0.13 (1)	10.00
B-C	-485/0	-102.1	-102.1	0.48 (1)	6.25
C-D	-428/0	-102.1	-102.1	0.27 (1)	8.25
E-D	-612/0	0.0	0.0	0.17 (1)	7.81
G-B	-729/0	0.0	0.0	0.07 (1)	7.81
G-F	0/0	-18.5	-18.5	0.16 (4)	10.00
F-E	0/0	-18.5	-18.5	0.16 (4)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 29.0 PSF
	DL	= 6.0 PSF
BOT CH.	LL	= 0.0 PSF
	DL	= 7.4 PSF
TOTAL LOAD		= 42.4 PSF

SPACING = 24.0 IN. GIG

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(LL) = $L/989$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(TL) = $L/989$ (0.05")

CSI: TC=0.48/1.00 (B-C:1), BC=0.16/1.00 (E-F:4), WB=0.13/1.00 (D-F: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.

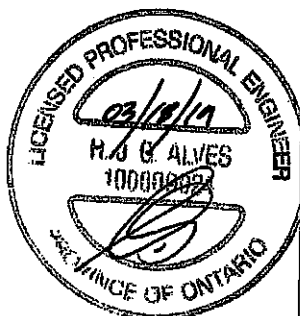
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

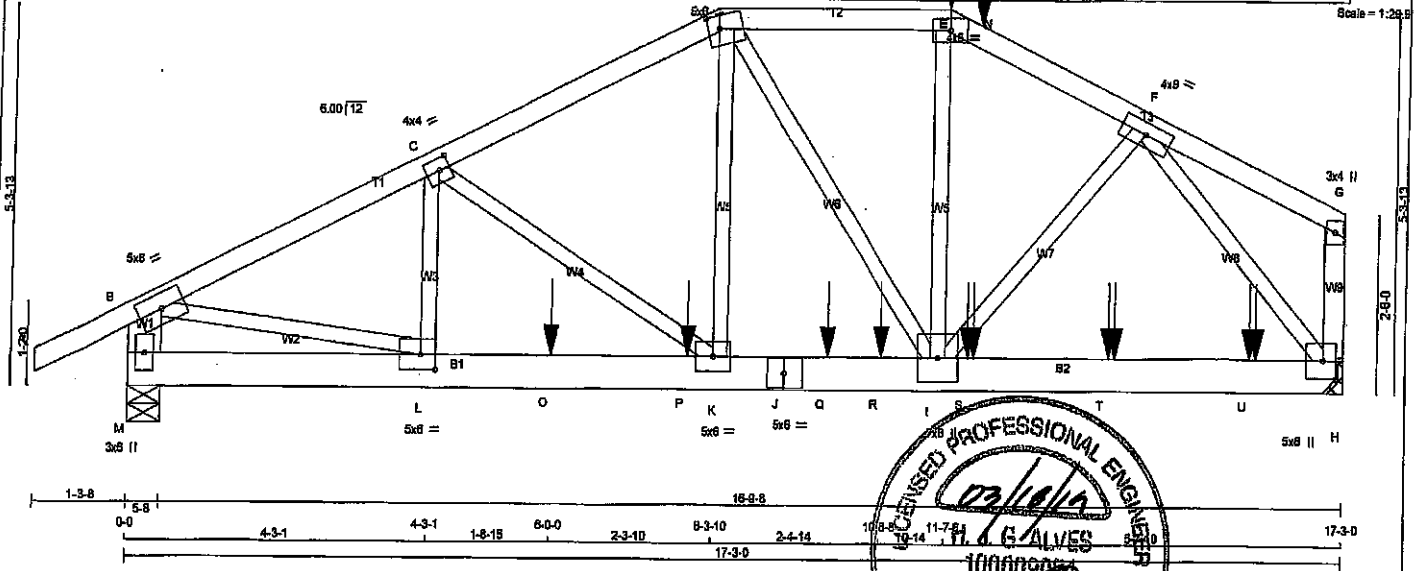
USI GRIP= 0.82 (B) (INPUT = 0.90)
USI METAL= 0.28 (B) (INPUT = 1.00)



DWG NO. TAM 17905440
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	T72	1	3	GREEN PARK HOMES	
Temarack Roof Truss, Burlington					

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

DRY: SEASONED LUMBER.
 DESIGN CONSISTS OF 3 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-E	12	SIDE (91.5)
E-G	12	SIDE (91.5)
H-G	12	TOP
M-B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J	7	SIDE (760.8)
J-H	11	SIDE (493.2)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.
 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 in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	5.0	8.0		
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TTWV-m	MT20	5.0	8.0	2.25	2.00
E	TTW-1	MT20	4.0	8.0		
F	TMVW-1	MT20	4.0	8.0		
G	TMVW-p	MT20	3.0	4.0		
H	BMVW1+p	MT20	5.0	8.0	3.00	2.25
I	BMVWVW1	MT20	7.0	8.0		
J	BS-1	MT20	5.0	8.0		
K	BMVW-1	MT20	5.0	8.0		
L	BMVW-1	MT20	5.0	8.0	2.50	2.50
M	BMV1+p	MT20	3.0	8.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	0/0	0/0
M	4422	0	4422	0
H	6187	0	6187	0

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

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
M	3104	2170/0
H	4342	3042/0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.44 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/31	-102.1	-102.1 0.04 (1)	10.00	L-C	0/132	0.01 (4)
B-C	-8779/0	-102.1	-102.1 0.15 (1)	4.44	C-K	-844/0	0.09 (1)
C-D	-8223/0	-102.1	-102.1 0.13 (1)	4.82	K-D	0/2694	0.20 (1)
D-E	-5442/0	-102.1	-102.1 0.10 (1)	4.90	D-I	-298/0	0.08 (1)
E-N	-8039/0	-102.1	-102.1 0.09 (1)	4.71	I-E	0/2046	0.15 (1)
N-F	-8039/0	-102.1	-102.1 0.09 (1)	4.71	I-F	0/2380	0.18 (1)
F-G	0/5	-102.1	-102.1 0.04 (1)	10.00	B-L	0/8178	0.46 (1)
M-B	-4468/0	0.0	0.0 0.10 (1)	7.81	F-H	-8221/0	0.65 (1)
H-G	-133/0	0.0	0.0 0.01 (1)	7.81			
M-L	0/0	-18.5	-18.5 0.08 (1)	10.00			
L-O	0/8078	-18.5	-18.5 0.59 (1)	10.00			
O-P	0/8078	-18.5	-18.5 0.59 (1)	10.00			
P-K	0/8078	-18.5	-18.5 0.59 (1)	10.00			
K-J	0/5905	-18.5	-18.5 0.59 (1)	10.00			
J-Q	0/5905	-18.5	-18.5 0.59 (1)	10.00			
Q-R	0/5905	-18.5	-18.5 0.59 (1)	10.00			
R-I	0/5905	-18.5	-18.5 0.59 (1)	10.00			
I-S	0/3893	-18.5	-18.5 0.53 (1)	10.00			
S-T	0/3893	-18.5	-18.5 0.53 (1)	10.00			
T-U	0/3893	-18.5	-18.5 0.53 (1)	10.00			
U-H	0/3893	-18.5	-18.5 0.53 (1)	10.00			

DWG NO. TAM 710744

STRUCTURAL

COMPONENT ONLY

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX-	FACE	DIR.	TYPE	HEEL	CONN.
E	11-7-8	-45	-90	---	FRONT	VERT	DEAD	---	---
E	11-7-6	-270	-270	---	FRONT	VERT	SNOW	---	---
N	12-0-4	-62	-62	---	FRONT	VERT	TOTAL	---	---
O	6-0-0	-1797	-1797	---	BACK	VERT	TOTAL	---	---
P	7-11-4	-1120	-1120	---	BACK	VERT	TOTAL	---	---
Q	9-11-4	-1120	-1120	---	BACK	VERT	TOTAL	---	---
R	10-8-8	-572	-572	---	FRONT	VERT	TOTAL	---	---
S	11-11-4	-1120	-1120	---	BACK	VERT	TOTAL	---	---
T	12-0-4	-15	-15	---	FRONT	VERT	TOTAL	---	---
T	13-11-4	-1120	-1120	---	BACK	VERT	TOTAL	---	---
T	14-0-4	-15	-15	---	FRONT	VERT	TOTAL	---	---

TOTAL WEIGHT = 3 X 85 = 256 lb

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

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.57")
 CALCULATED VERT. DEFL.(LL)= L/999 (0.07")
 ALLOWABLE DEFL.(TL)= L/360 (0.57")
 CALCULATED VERT. DEFL.(TL)= L/999 (0.12")

CSI: TC=0.15/1.00 (B-C-1), BC=0.59/1.00 (I-K-1), WB=0.65/1.00 (F-H-1), SSI=0.48/1.00 (H-I-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES	PLATE GRIP(DRY)	SHEAR (P8)	SECTION (PLI)
MT20	618	354	1687
	788	1687	1856

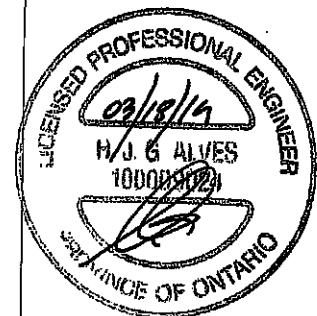
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (L) (INPUT = 0.80)
 JSI METAL= 0.51 (L) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T72	1	3	TRUSS DESC.		
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:46 2019 Page 2 ID:FkpukmLuzMYa3V5rZ5b8_zdJ?d-Ycg0o78X4B3l0cX3KcuaGp8K_5bk7Km6o8IWb6zZgBN		

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	15-11-4	-1120	-1120	—	BACK	VERT	TOTAL	—	—
U	18-0-4	-15	-15	—	FRONT	VERT	TOTAL	—	—



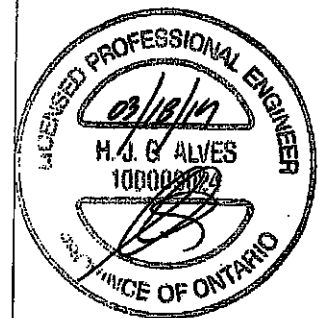
DWG NO. TAM 77905441
STRUCTURAL
COMPONENT ONLY 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T73	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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FACTORED CONCENTRATED LOADS (LBS)									
	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT	1-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
M	3-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
N	5-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
O	7-8-4	-123	-123	---	BACK	VERT	TOTAL	---	---
P	11-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
Q	13-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
R	15-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
S	17-0-4	-123	-123	---	BACK	VERT	TOTAL	---	---
T	1-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
U	3-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
V	5-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
W	7-8-4	-26	-26	---	BACK	VERT	TOTAL	---	---
X	11-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
Y	13-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
Z	15-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
AA	17-0-4	-26	-26	---	BACK	VERT	TOTAL	---	---
AB									



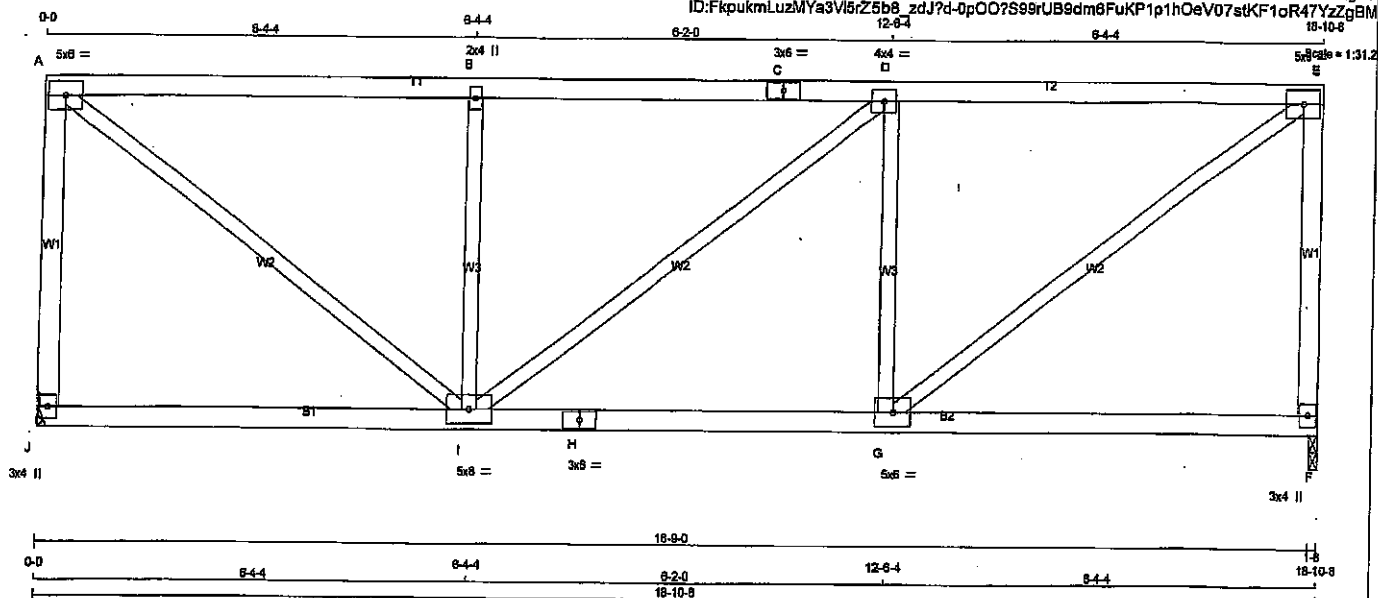
DWG NO. TAM 71905442
STRUCTURAL
COMPONENT ONLY

3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T74	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 79 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
J - A	2x4 DRY	No.2	SPF
A - C	2x4 DRY	No.2	SPF
C - E	2x4 DRY	No.2	SPF
E - H	2x4 DRY	No.2	SPF
H - F	2x4 DRY	No.2	SPF

ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	
B	TMW-w	MT20	2.0	4.0	
C	TS-t	MT20	3.0	6.0	
D	TMWV-t	MT20	4.0	4.0	
E	TMWV-t	MT20	5.0	6.0	
F	BMV1-p	MT20	3.0	4.0	
G	BMWV-t	MT20	5.0	6.0	
H	BS-t	MT20	3.0	6.0	
I	BMWVW-t	MT20	5.0	6.0	
J	BMV1-p	MT20	3.0	4.0	

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
J	1138	0	1138	0
F	1138	0	1138	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
J	801 548 / 0 0 / 0 0 / 0 0 / 0 253 / 0 0 / 0
F	801 548 / 0 0 / 0 0 / 0 0 / 0 253 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.12 FT.
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	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		FR-TO	
J-A	-1089 / 0	0.0 0.0 0.48 (1)	7.57	G-E	0 / 1370
A-B	-1090 / 0	-102.1 -102.1 0.80 (1)	5.14	A-I	0 / 1368
B-C	-1080 / 0	-102.1 -102.1 0.80 (1)	5.13	G-D	-701 / 0
C-D	-1090 / 0	-102.1 -102.1 0.80 (1)	5.13	I-B	-700 / 0
D-E	-1092 / 0	-102.1 -102.1 0.81 (1)	5.12	I-D	-2 / 0
F-E	-1089 / 0	0.0 0.0 0.48 (1)	7.57		
J-I	0 / 0	-18.5 -18.5 0.16 (4)	10.00		
I-H	0 / 1092	-18.5 -18.5 0.28 (1)	10.00		
H-G	0 / 1092	-18.5 -18.5 0.28 (1)	10.00		
G-F	0 / 0	-18.5 -18.5 0.16 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 BCBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/899 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/899 (0.08")

CS1: TC=0.61/1.00 (D-E:1), BC=0.26/1.00 (G-I:1), WB=0.31/1.00 (E-G:1), SS=0.30/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

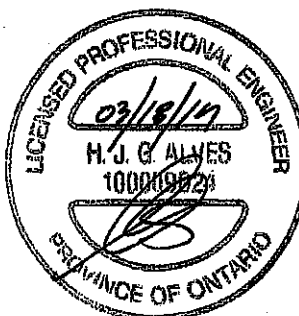
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(P8) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1997 1695

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

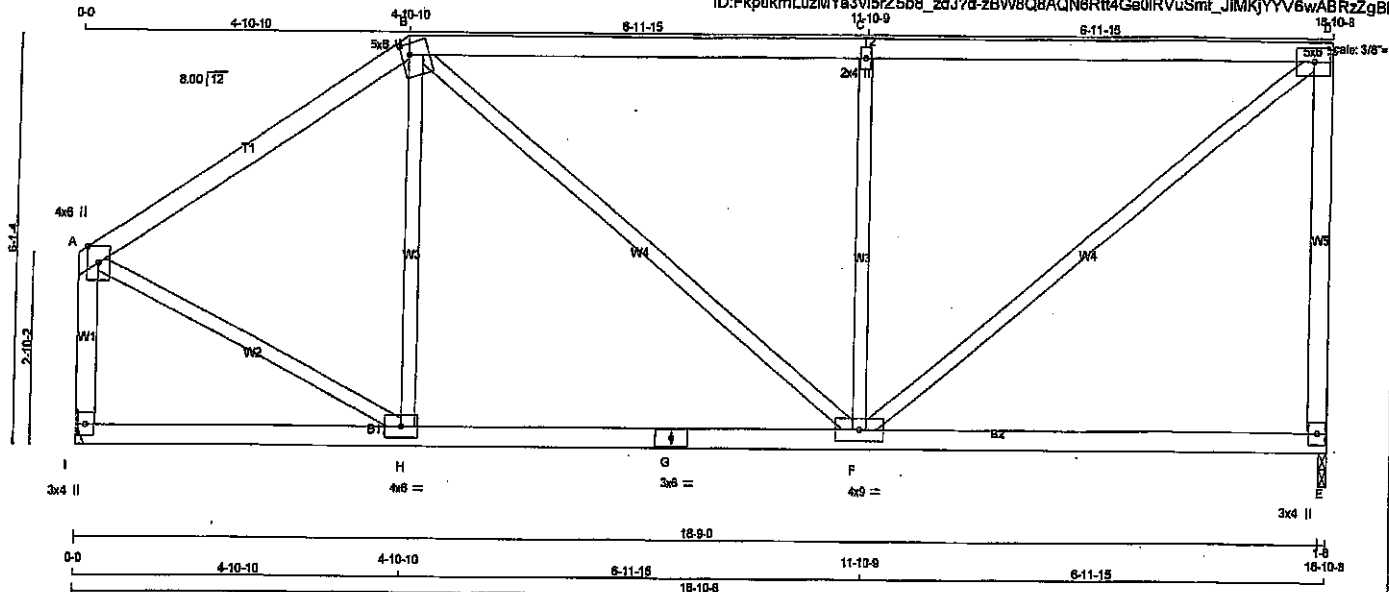
JSI GRIP = 0.72 (I) (INPUT = 0.90)
JSI METAL = 0.32 (H) (INPUT = 1.00)



DWG NO. TAM 7705443
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T75	1	1	TRUSS DESC.		

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge
B	TTWW+m	MT20	5.0	8.0	2.00 1.50
C	TMW+w	MT20	2.0	4.0	
D	TMW+1	MT20	5.0	6.0	
E	BMV1+p	MT20	3.0	4.0	
F	BMWWW+1	MT20	4.0	8.0	
G	BS+1	MT20	3.0	6.0	
H	BMWW+1	MT20	4.0	6.0	
I	BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS							
JT	FACTORED	MAXIMUM FACTORED	INPUT	RECORD			
	GROSS REACTION	GROSS REACTION	BRG	BRG			
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	1138	0	1138	0	0	1-8	1-8
I	1138	0	1138	0	0	MECHANICAL	

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

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
I	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 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 = 4.17 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING							
TOTAL LOAD CASES: (4)							
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1) MAX. FACTORED VERT. LOAD (LC2) MAX. FACTORED VERT. LOAD (LC3)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1) MAX. FACTORED VERT. LOAD (LC2) MAX. FACTORED VERT. LOAD (LC3)	
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	-875 / 0	-102.1	-102.1 0.45 (1)	5.88	H-B	-250 / 12	0.15 (1)
B-C	-984 / 0	-102.1	-102.1 0.93 (1)	4.17	B-F	0 / 340	0.08 (1)
C-D	-984 / 0	-102.1	-102.1 0.94 (1)	4.17	F-C	-887 / 0	0.52 (1)
E-D	-1085 / 0	0.0	0.0 0.78 (1)	7.58	F-D	0 / 1278	0.29 (1)
I-A	-1104 / 0	0.0	0.0 0.17 (1)	7.54	A-H	0 / 814	0.18 (1)
I-H	0 / 0	-18.5	-18.5 0.14 (4)	10.00			
H-G	0 / 722	-18.5	-18.5 0.28 (4)	10.00			
G-F	0 / 722	-18.5	-18.5 0.28 (4)	10.00			
F-E	0 / 0	-18.5	-18.5 0.22 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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, OSC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TO=0.94/1.00 (C-D:1), BC=0.28/1.00 (F-H:4), WB=0.52/1.00 (C-F:1), SS=0.35/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

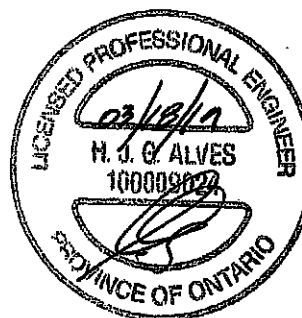
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (F) (INPUT = 0.90)
JSI METAL= 0.47 (A) (INPUT = 1.00)

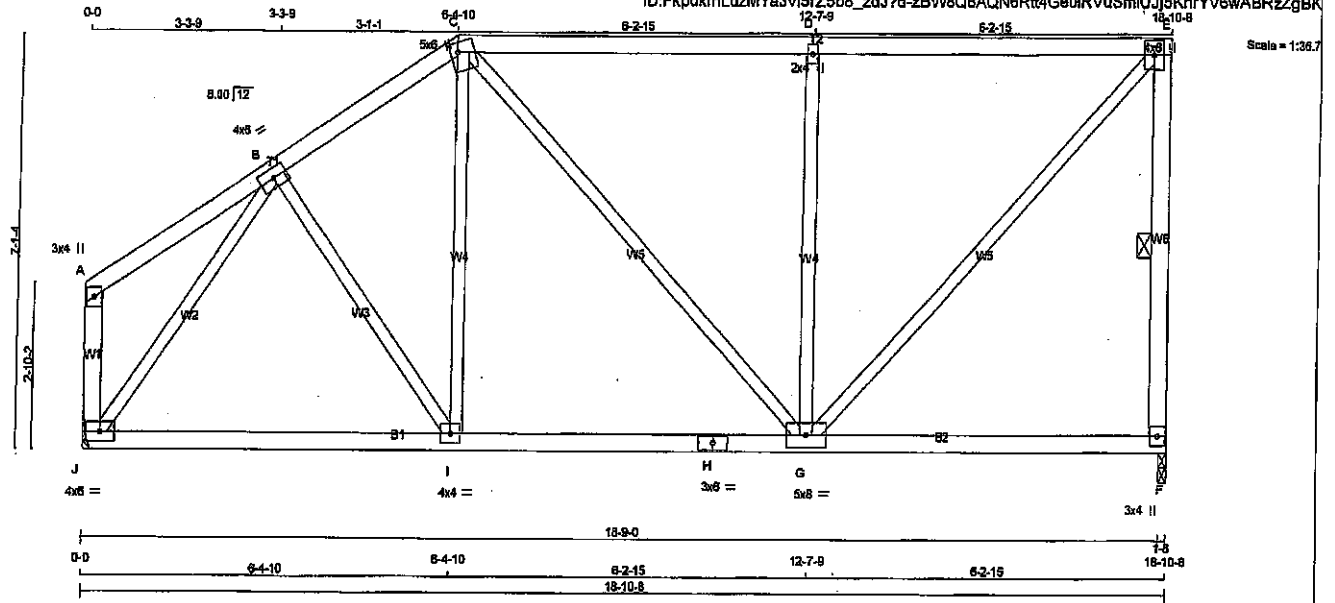


DRWG NO. TAM 71905444
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T76	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 89 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWw-t	MT20	4.0	6.0		
C	TTWw+m	MT20	5.0	6.0	2.00	1.50
D	TMWw-w	MT20	2.0	4.0		
E	TMVw+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWw-w	MT20	5.0	8.0		
H	BS-t	MT20	3.0	6.0		
I	BMWw-t	MT20	4.0	4.0		
J	BMWw-t	MT20	4.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
F	1138	0	1138	0
J	1138	0	1138	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
J	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.46 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

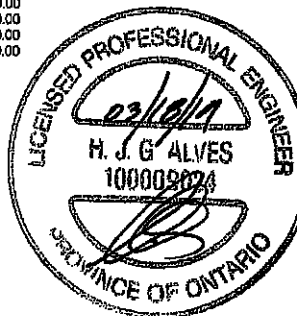
1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	FACTORED	FACTORED	FACTORED	WEBS	FACTORED	FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1	MAX	MEMB.	FORCE (LBS)	MAX
FR-TO		FROM TO	CS1 (LC)	FR-TO		CS1 (LC)
A-B	0 / 20	-102.1 -102.1	0.16 (1)	B-I	0 / 98	0.02 (4)
B-C	-888 / 0	-102.1 -102.1	0.17 (1)	I-C	0 / 66	0.03 (4)
C-D	-780 / 0	-102.1 -102.1	0.71 (1)	C-G	0 / 81	0.02 (1)
D-E	-781 / 0	-102.1 -102.1	0.71 (1)	G-D	-791 / 0	0.69 (1)
E-F	-1080 / 0	0.0 0.0	0.25 (1)	G-E	0 / 1151	0.26 (1)
J-A	-128 / 0	0.0 0.0	0.02 (1)	J-B	-1167 / 0	0.61 (1)
J-I	0 / 652	-18.5 -18.5	0.22 (4)			
I-H	0 / 719	-18.5 -18.5	0.23 (4)			
H-G	0 / 719	-18.5 -18.5	0.23 (4)			
G-F	0 / 0	-18.5 -18.5	0.16 (4)			



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. CC

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

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

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

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

ALLOWABLE DEFL.(LL) = 1/360 (0.63")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.03")
ALLOWABLE DEFL.(TL) = 1/360 (0.63")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.07")

CS1: TC=0.71/1.00 (D-E:1), BC=0.23/1.00 (G-I:4),
WB=0.69/1.00 (D-G:1), SS1=0.31/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

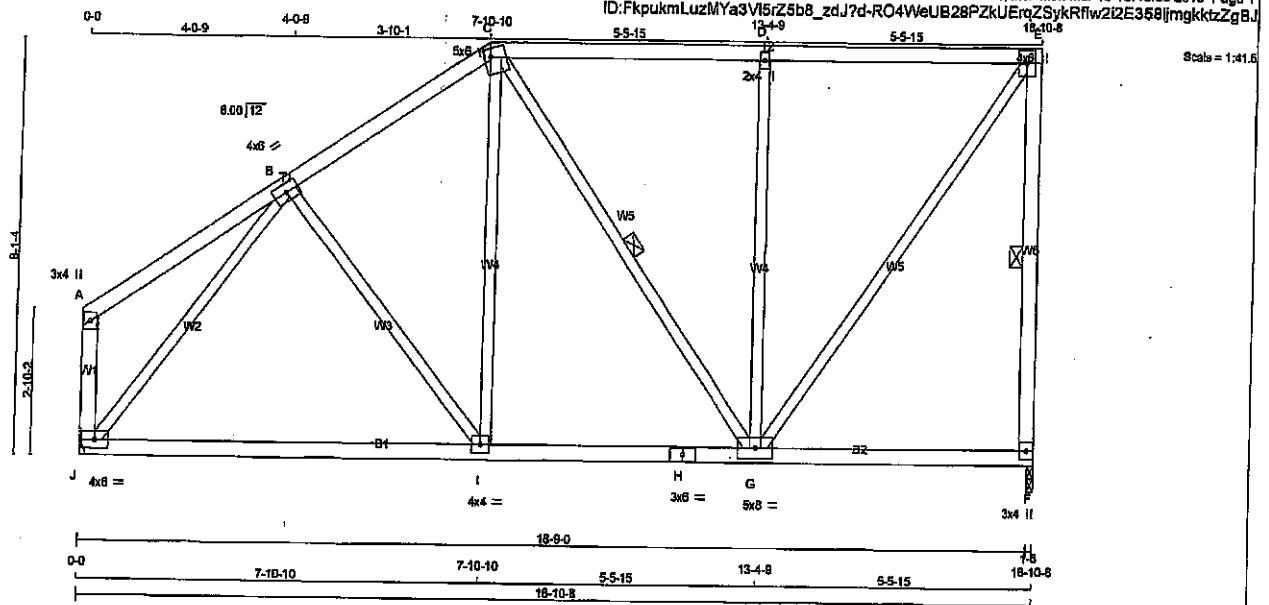
PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.76 (J) (INPUT = 0.80)
JSI METAL = 0.35 (E) (INPUT = 1.00)

DRWG NO. TAM 17905445
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME 177	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



TOTAL WEIGHT = 94 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	6.0		
C	TMVW+m	MT20	5.0	6.0	2.00	1.50
D	TMVW+p	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWV-1	MT20	5.0	8.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
F	1138	0	1138	0
J	1138	0	1138	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED
F	801
J	801

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0/26	-102.1 -102.1 0.28 (1)	8-1	-41/38 0.03 (1)
B-C	-847/0	-102.1 -102.1 0.27 (1)	I-C	0/181 0.05 (4)
C-D	-822/0	-102.1 -102.1 0.53 (1)	C-G	-108/0 0.07 (1)
D-E	-822/0	-102.1 -102.1 0.53 (1)	G-D	-895/0 0.68 (1)
E-F	-1093/0	0.0 0.0 0.32 (1)	Q-E	0/1076 0.24 (1)
J-A	-155/0	0.0 0.0 0.02 (1)	J-B	-1162/0 0.85 (1)
J-I	0/707	-18.5 -18.5 0.28 (4)		
I-H	0/684	-18.5 -18.5 0.30 (4)		
H-G	0/684	-18.5 -18.5 0.30 (4)		
G-F	0/0	-18.5 -18.5 0.12 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 2010, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.53/1.00 (D-E:1), BC=0.30/1.00 (G-I:4), WS=0.88/1.00 (D-G:1), SSI=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

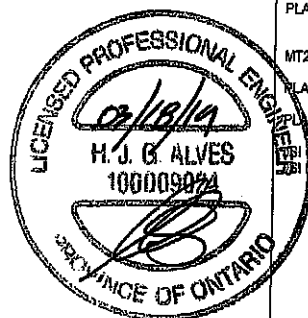
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

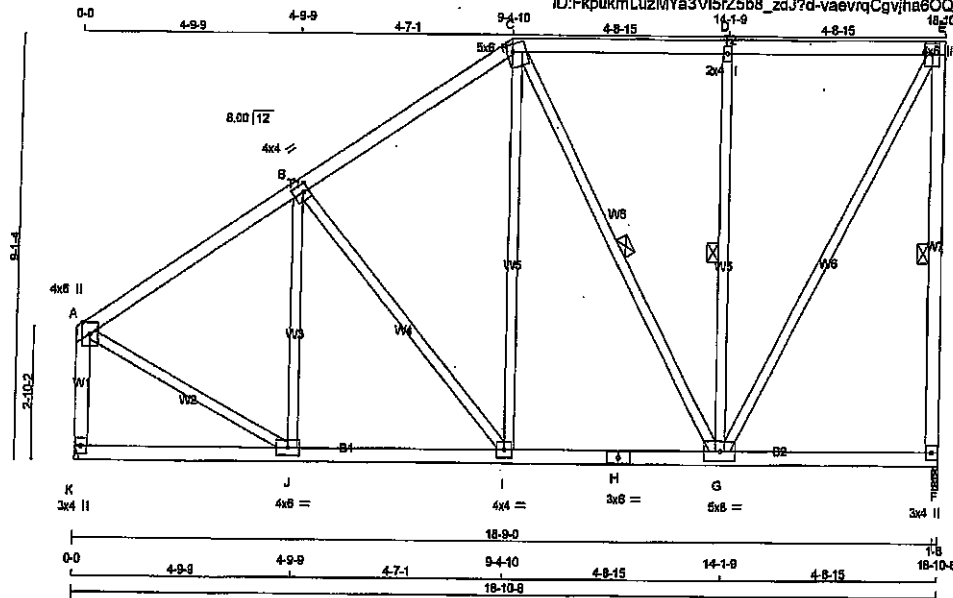
GRIP = 0.73 (J) (INPUT = 0.80)
METAL = 0.28 (E) (INPUT = 1.00)



DWG NO. TAM 1705446
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T78	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID: FkpukmLuzMYa3V15/Z5b8_zdJ?d-vaevrqCgvjha8QQ179Uzzb7T6QRog5ryQPHGJzZgBl



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

TOTAL WEIGHT = 102 lb

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

ALL WEBS 2x3 DRY No.2 SPF
 EXCEPT

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

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

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
F	1138	0	1138	0	1-8
K	1138	0	1138	0	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
K	801	548 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.93 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

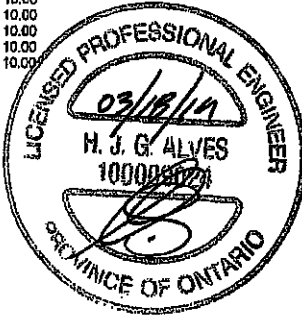
1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-G.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-889 / 0	-102.1 -102.1	0.41 (1)	5.93	J-B	-305 / 0	0.17 (1)
B-C	-788 / 0	-102.1 -102.1	0.40 (1)	6.25	B-I	-245 / 0	0.28 (1)
C-D	-486 / 0	-102.1 -102.1	0.38 (1)	6.25	I-C	0 / 271	0.05 (1)
D-E	-486 / 0	-102.1 -102.1	0.38 (1)	6.25	C-G	-249 / 0	0.18 (1)
E-F	-1101 / 0	0.0 0.0	0.42 (1)	6.03	G-D	-588 / 0	0.32 (1)
K-A	-1102 / 0	0.0 0.0	0.17 (1)	7.54	G-E	0 / 1040	0.23 (1)
					A-J	0 / 886	0.19 (1)
K-J	0 / 0	-18.5 -18.5	0.10 (4)	10.00			
J-I	0 / 788	-18.5 -18.5	0.17 (1)	10.00			
I-H	0 / 614	-18.5 -18.5	0.15 (4)	10.00			
H-G	0 / 614	-18.5 -18.5	0.15 (4)	10.00			
G-F	0 / 0	-18.5 -18.5	0.10 (4)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 8.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.4 PSF
 TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2016, CBC 2012
 - CSA 088-09, CSA 088-14
 - TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.63")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
 ALLOWABLE DEFL.(TL) = L/360 (0.63")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.42/1.00 (E-F:1), BC=0.17/1.00 (I-J:1), WB=0.32/1.00 (D-G:1), SS=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 818 354 1867 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

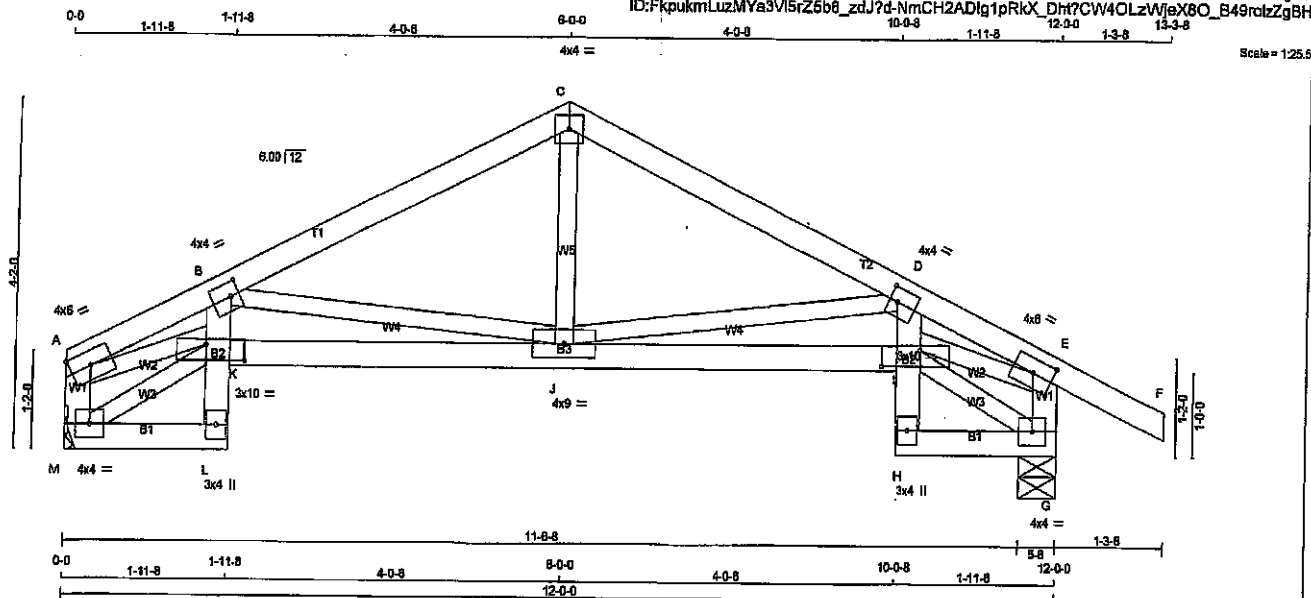
JSI GRIP= 0.77 (G) (INPUT = 0.80)
 JSI METAL = 0.47 (A) (INPUT = 1.00)

DRWG NO. TARI 1705447
 STRUCTURAL
 COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T79S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/25.5

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	4.0	6.0		Edge
B	TMVW-1	MT20	4.0	4.0	2.00	1.25
C	TTW-p	MT20	4.0	4.0		
D	TMVW-1	MT20	4.0	4.0	2.00	1.25
E	TMVW-1	MT20	4.0	6.0	2.00	3.00
G	BMVW-1	MT20	4.0	4.0		
H	BMV+p	MT20	3.0	4.0		
I	BMVW-1	MT20	3.0	10.0	2.25	5.75
J	BMVW-1	MT20	4.0	9.0		
K	BMVW-1	MT20	3.0	10.0	2.25	5.75
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
M	716	0	0	MECHANICAL
G	870	0	0	5-8

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	504	344 / 0	0 / 0	0 / 0	0 / 0	160 / 0	0 / 0
G	610	432 / 0	0 / 0	0 / 0	0 / 0	178 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.18 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED C1 (LC)	MAX. FACTORED UNBRACED LENGTH (FR-TO)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED C1 (LC)
FR-TO					FR-TO		
A-B	-1559 / 0	-102.1	-102.1	0.12 (1)	J-C	0 / 371	0.08 (1)
B-C	-858 / 0	-102.1	-102.1	0.24 (1)	J-D	-716 / 0	0.22 (1)
C-D	-855 / 0	-102.1	-102.1	0.25 (1)	B-J	-815 / 0	0.25 (1)
D-E	-1484 / 0	-102.1	-102.1	0.12 (1)	M-K	-125 / 0	0.02 (1)
E-F	0 / 31	-102.1	-102.1	0.13 (1)	A-K	0 / 1419	0.32 (1)
M-A	-638 / 0	0.0	0.0	0.08 (1)	I-G	-119 / 0	0.02 (1)
G-E	-795 / 0	0.0	0.0	0.08 (1)	I-E	0 / 1329	0.30 (1)
M-L	0 / 110	-18.5	-18.5	0.03 (1)			
L-K	0 / 19	0.0	0.0	0.15 (1)			
K-B	0 / 97	0.0	0.0	0.18 (1)			
K-J	0 / 1559	-18.5	-18.5	0.30 (1)			
J-I	0 / 1482	-18.5	-18.5	0.29 (1)			
H-I	0 / 19	0.0	0.0	0.15 (1)			
I-D	0 / 92	0.0	0.0	0.16 (1)			
H-G	0 / 105	-18.5	-18.5	0.03 (1)			

TOTAL WEIGHT = 2 X 50 = 100 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/380 (0.40")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/380 (0.40")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.25/1.00 (C-D:1), BC=0.30/1.00 (J-K:1), WB=0.32/1.00 (A-K:1), SSI=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

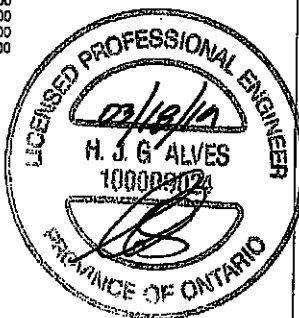
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1897 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

ISI GRIP = 0.88 (B) (INPUT = 0.80)
ISI METAL = 0.44 (K) (INPUT = 1.00)



DRWG NO. TAM 7905448
STRUCTURAL
CORP-CORP ONLY

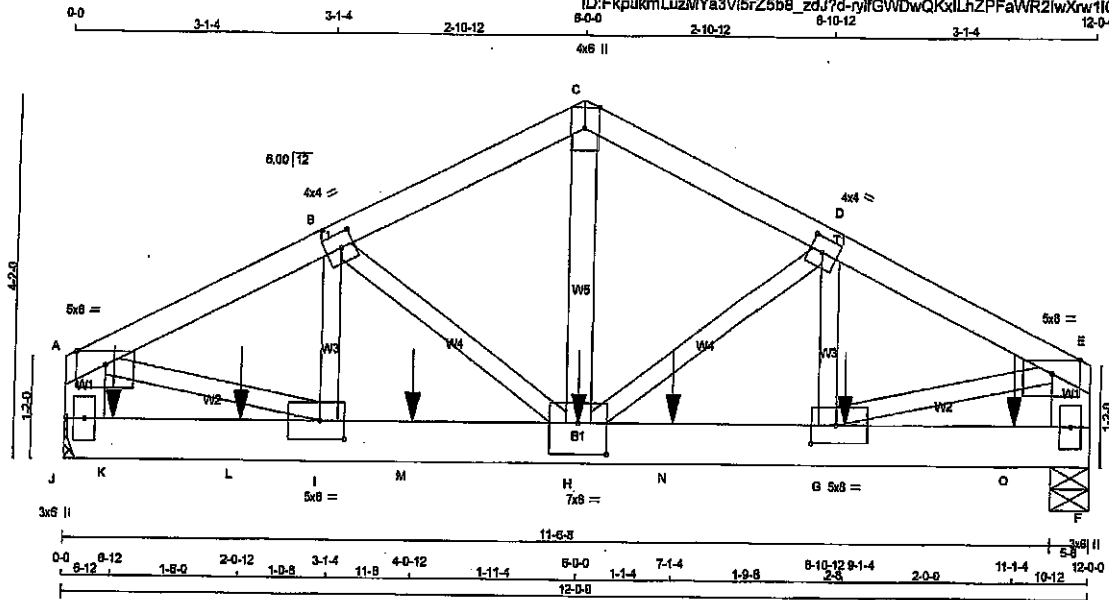
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T80	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/24.6



TOTAL WEIGHT = 2 X 56 = 112 LB

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - E	12	TOP
J - A	3	SIDE(93.0)
F - E	3	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
J - F	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
D - G	1	SIDE(15.1)
2x3	1	
H - C	1	SIDE(272.9)

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-p	MT20	5.0	8.0	Edge
B	TMVW-w	MT20	4.0	4.0	2.00 1.75
C	TTW-p	MT20	4.0	8.0	Edge
D	TMVW-w	MT20	4.0	4.0	2.00 1.75
E	TMVW-p	MT20	5.0	8.0	Edge
F	BMV1+p	MT20	3.0	6.0	
G	BMVW-w	MT20	5.0	8.0	2.50 3.50
H	BMVW-w	MT20	7.0	8.0	4.25 4.00
I	BMVW-w	MT20	5.0	8.0	2.50 3.50
J	BMV1+p	MT20	3.0	6.0	

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

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

BEARINGS	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	GROSS REACTION	DOWN	HORIZ		
JT	VERT	HORIZ	DOWN	HORIZ	UP/LIFT	IN-SX
J	4740	0	4740	0	0	MECHANICAL
F	3902	0	3902	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT J. MINIMUM BEARING LENGTH AT JOINT J = 2-9.

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	3326	2329 / 0	0 / 0	0 / 0	0 / 0	697 / 0
F	2733	1943 / 0	0 / 0	0 / 0	0 / 0	791 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.14 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED		MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
			VERT. LOAD	LC1 MAX		
FR-TO			FROM	TO		
A-B	-5142 / 0	-102.1	-102.1	0.18 (1)	4.14	H-C
B-C	-4321 / 0	-102.1	-102.1	0.14 (1)	4.49	H-D
C-D	-4322 / 0	-102.1	-102.1	0.13 (1)	4.50	G-D
D-E	-4741 / 0	-102.1	-102.1	0.18 (1)	4.30	B-H
J-A	-3600 / 0	0.0	0.0	0.13 (1)	7.40	I-B
F-E	-3329 / 0	0.0	0.0	0.12 (1)	7.62	A-I
J-K	0 / 0	-18.5	-18.5	0.27 (1)	10.00	G-E
K-L	0 / 0	-18.5	-18.5	0.27 (1)	10.00	
L-I	0 / 0	-18.5	-18.5	0.27 (1)	10.00	
I-M	0 / 4802	-18.5	-18.5	0.44 (1)	10.00	
M-H	0 / 4802	-18.5	-18.5	0.44 (1)	10.00	
H-N	0 / 4245	-18.5	-18.5	0.42 (1)	10.00	
N-G	0 / 4245	-18.5	-18.5	0.42 (1)	10.00	
G-O	0 / 0	-18.5	-18.5	0.19 (1)	10.00	
O-F	0 / 0	-18.5	-18.5	0.19 (1)	10.00	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	FEED	CONN.
G	9-1-4	-760	-760	---	BACK	VERT	TOTAL	---	---
H	6-0-0	-1748	-1748	---	BACK	VERT	TOTAL	---	---
K	6-12	-1058	-1058	---	BACK	VERT	TOTAL	---	---
L	2-0-12	-1054	-1054	---	BACK	VERT	TOTAL	---	---
M	4-0-12	-1054	-1054	---	BACK	VERT	TOTAL	---	---
N	7-1-4	-760	-760	---	BACK	VERT	TOTAL	---	---
O	11-1-4	-761	-761	---	BACK	VERT	TOTAL	---	---

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.40")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.18/1.00 (A-B:1), BC=0.44/1.00 (H-I:1), WB=0.59/1.00 (A-I:1), SS=0.38/1.00 (J-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)
MT20	618	354	1687
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

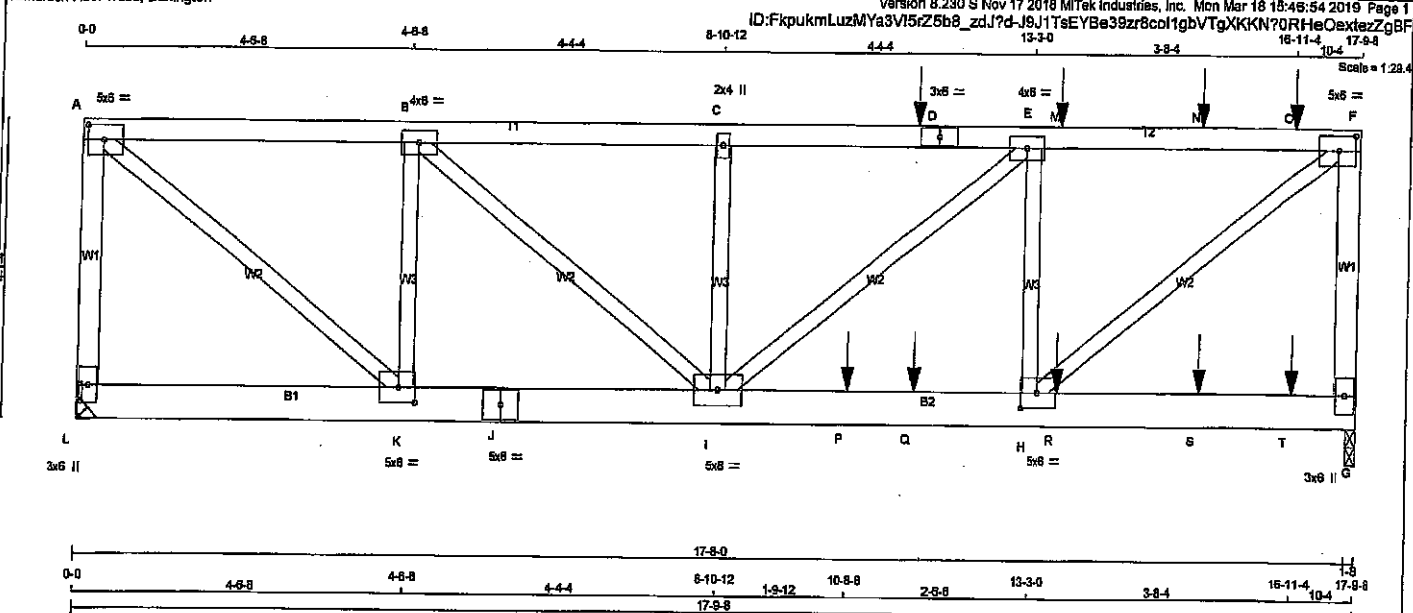
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (H) (INPUT = 0.90)

JSI METAL= 0.43 (I) (INPUT = 1.00)

DRWG NO. TAM 77905449
STRUCTURAL
CONSULTANT ONLY

JOB NAME 401794	TRUSS NAME T81	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 MTek Industries, Inc. Mon Mar 18 18:48:54 2019 Page 1 ID:FkpukmLuzMYa3V15r25b8_zdJ?d-J9J1TsEYBe39zr8col1gbVTgXKKN?0RHeQextezZgBF			



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

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

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

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
A	TMWV-t	MT20	5.0	6.0	2.50	2.75
B	TMWV-t	MT20	4.0	6.0		
C	TMWV-w	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMWV-t	MT20	4.0	6.0		
F	TMWV-t	MT20	5.0	6.0	2.50	2.75
G	BMV1+p	MT20	3.0	6.0		
H	BMWV-t	MT20	5.0	6.0	2.50	2.75
I	BMWVWV-t	MT20	5.0	6.0		
J	BS-t	MT20	5.0	6.0		
K	BMWV-t	MT20	5.0	6.0	2.50	2.75
L	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	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	UPLIFT	IN-SX
L 1768 0	1768 0	0	MECHANICAL
G 2450 0	2450 0	0	1-8

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
L 1240 865 / 0	0 / 0 0 / 0 0 / 0 375 / 0 0 / 0
G 1721 1198 / 0	0 / 0 0 / 0 0 / 0 523 / 0 0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
L-A	-1700 / 0	0.0 0.0 0.21 (1)	7.81	H-F	0 / 3336	0.41 (1)	
A-B	-1844 / 0	-102.1 -102.1 0.18 (1)	8.20	A-K	0 / 2386	0.30 (1)	
B-C	-3078 / 0	-102.1 -102.1 0.20 (1)	5.07	H-E	-1293 / 0	0.16 (1)	
C-D	-3078 / 0	-102.1 -102.1 0.31 (1)	4.93	K-B	-1582 / 0	0.20 (1)	
D-E	-3078 / 0	-102.1 -102.1 0.31 (1)	4.83	E-I	0 / 659	0.08 (1)	
E-M	-2578 / 0	-102.1 -102.1 0.30 (1)	5.30	B-I	0 / 659	0.08 (1)	
M-N	-2578 / 0	-102.1 -102.1 0.30 (1)	5.30	I-C	0 / 659	0.08 (1)	
N-O	-2578 / 0	-102.1 -102.1 0.30 (1)	5.30				
O-F	-2578 / 0	-102.1 -102.1 0.30 (1)	5.30				
G-F	-2455 / 0	0.0 0.0 0.31 (1)	7.20				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TOTAL
D	11-7-12	-123	-123		FRONT	VERT	
M	13-7-12	-123	-123		FRONT	VERT	
N	15-7-12	-123	-123		FRONT	VERT	
O	16-11-4	-130	-130		FRONT	VERT	
P	10-8-8	-1485	-1485		FRONT	VERT	
Q	11-7-12	-26	-26		FRONT	VERT	
R	13-7-12	-26	-26		FRONT	VERT	
S	15-7-12	-26	-26		FRONT	VERT	
T	16-11-4	-26	-26		FRONT	VERT	

TOTAL WEIGHT = 2 X 85 = 171 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN./G

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 NBC 2018, CBC 2012
- CSA 086-09, CSA 085-14
- TPIC 2011, TPIC 2014

(85 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.59")
CALCULATED VERT. DEFL.(LL) = L/999 (0.67")
ALLOWABLE DEFL.(TL) = L/360 (0.59")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.31/1.00 (C-E-1), BC=0.61/1.00 (H-I-1), WB=0.41/1.00 (F-H-1), SS=0.30/1.00 (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

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

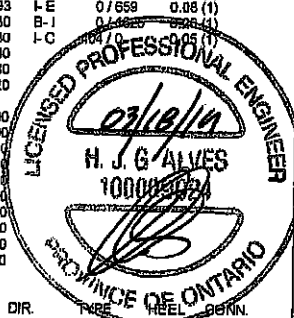
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667	786	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

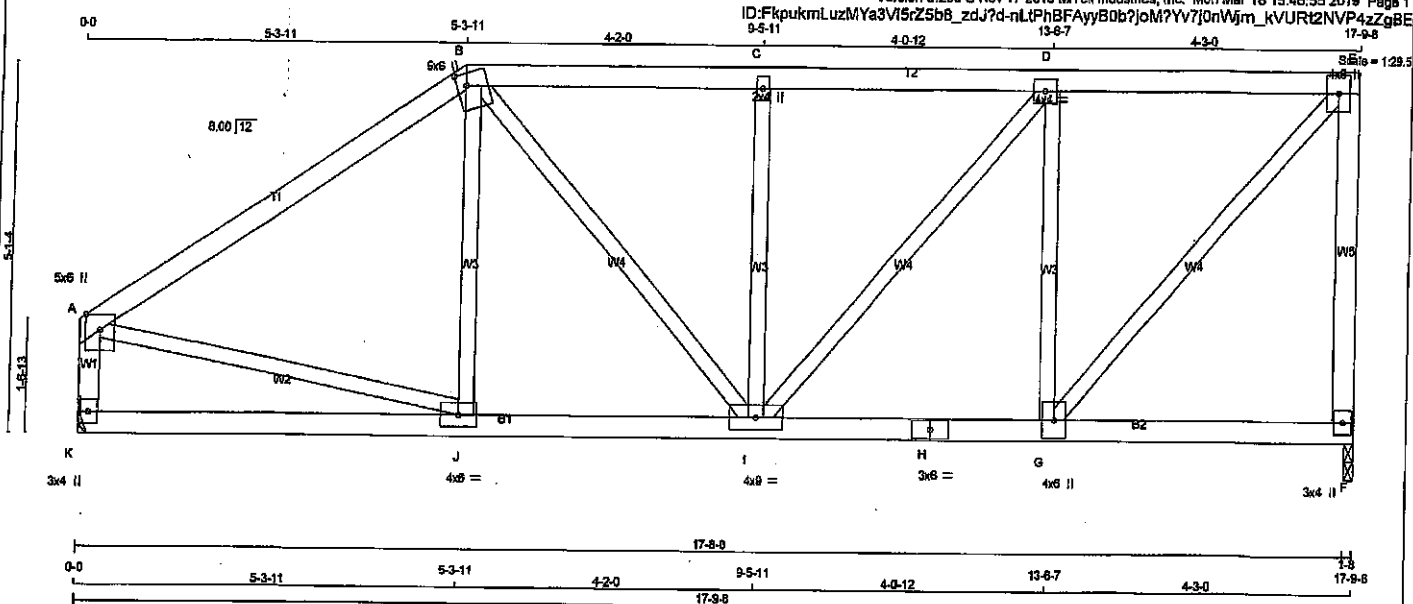
JSI GRIP= 0.75 (F) (INPUT = 0.90)
JSI METAL= 0.45 (J) (INPUT = 1.00)



DRWG NO. TAM 1703450
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T82	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington Version 8.230 S Nov 17 2018 MITEX Industries, Inc. Mon Mar 18 15:46:55 2019 Page 1
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LUMBER											TOTAL WEIGHT = 78 LB			
N. L. G. A. RULES											DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER			
CHORDS		SIZE	LUMBER	DESCR.	BEARINGS				DESIGN CRITERIA					
A - B	2x4	DRY	No.2	SPF	FACTORED		MAXIMUM FACTORED		INPUT	REQD		SPECIFIED LOADS:		
B - E	2x4	DRY	No.2	SPF	GROSS REACTION		GROSS REACTION		BRG	BRG		TOP CH. LL = 29.0 PSF		
F - E	2x4	DRY	No.2	SPF	JT	VERT	HORZ	DOWN	HORZ	UP/LIFT	IN-SX	IN-SX	DL = 6.0 PSF	
K - A	2x4	DRY	No.2	SPF	F	1073	0	1073	0	0	1-8	1-8	BOT CH. LL = 0.0 PSF	
K - H	2x4	DRY	No.2	SPF	K	1073	0	1073	0	0	MECHANICAL		DL = 7.4 PSF	
H - F	2x4	DRY	No.2	SPF	A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT K. MINIMUM BEARING LENGTH AT JOINT K = 1-8.									TOTAL LOAD = 42.4 PSF
ALL WEBS		2x3	DRY	No.2	SPF	UNFACTORED REACTIONS							SPACING = 24.0 IN. C/C	
EXCEPT						COMBINED SNOW LIVE PERM LIVE WIND DEAD SOIL								
						JT	755	517	0	0	0	0		
						K	755	517	0	0	0	0		

RY: SEASONED LUMBER.

UNFACTORED REACTIONS							
1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0
K	755	517 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 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)

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

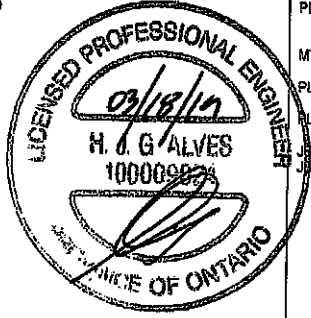
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 088-08, CSA 089-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = 1/360 (0.59")
CALCULATED VERT. DEFL.(LL) = 1.1959 (0.03")

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.				CHORDS				WEBS			
				MAX. FACTORED				MAX. FACTORED			
				MEMB. FORCE (LBS)				MEMB. FORCE (LBS)			
				FR-TO				FR-TO			
				A-B				J-B			
				B-C				A-J			
				C-D				G-E			
				D-E				B-I			
				E-F				G-D			
				K-A				I-C			
								I-D			
				K-J							
				J-I							
				I-H							
				H-G							
				G-F							

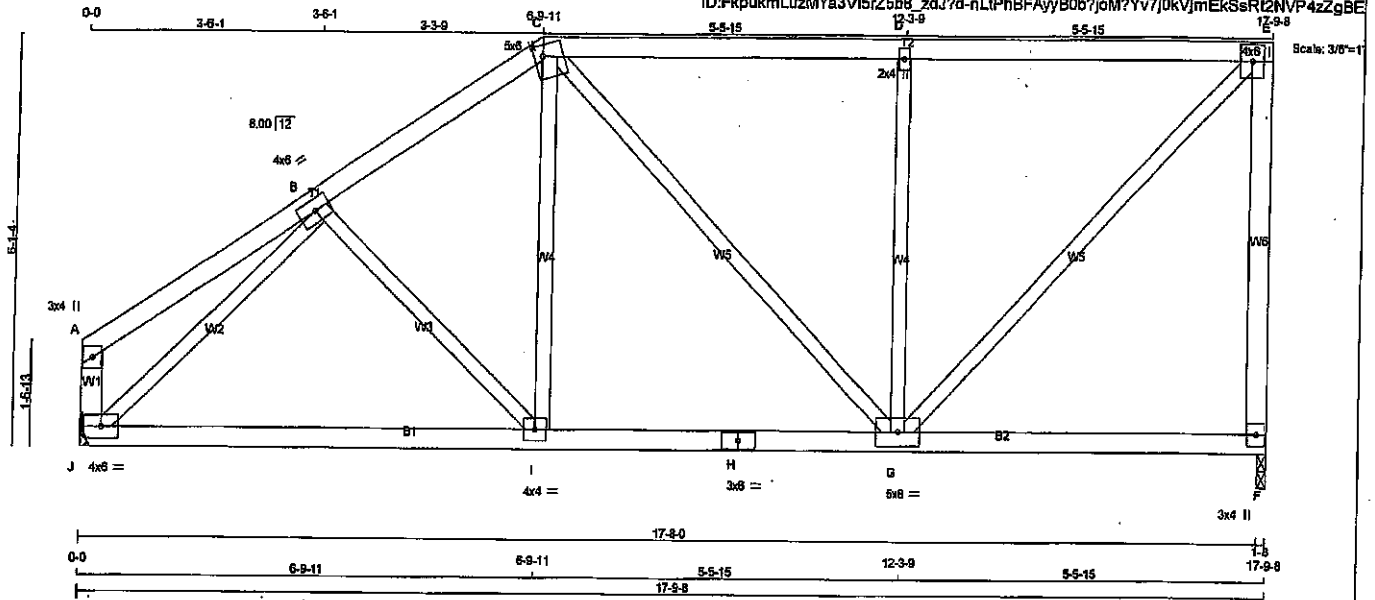


DWG NO. TAM 7705457
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T83	1	1	TRUSS DESC.		

Temerack Roof Truss, Burlington

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TOTAL WEIGHT = 79 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
F	1073	0	0	1-8
J	1073	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	755	517/0	0/0	0/0	0/0	238/0	0/0
J	755	517/0	0/0	0/0	0/0	238/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0/21	-102.1	-102.1	0.18 (1)	10.00	B-I	-86/17
B-C	-870/0	-102.1	-102.1	0.20 (1)	6.07	I-C	0/198
C-D	-775/0	-102.1	-102.1	0.54 (1)	5.93	C-G	-29/0
D-E	-775/0	-102.1	-102.1	0.54 (1)	5.93	G-D	-694/0
F-E	-1029/0	0.0	0.0	0.74 (1)	7.74	G-E	0/1123
J-A	-135/0	0.0	0.0	0.01 (1)	7.81	J-B	-1231/0
J-I	0/858	-18.5	-18.5	0.24 (4)	10.00		
I-H	0/791	-18.5	-18.5	0.25 (4)	10.00		
H-G	0/791	-18.5	-18.5	0.25 (4)	10.00		
G-F	0/0	-18.5	-18.5	0.12 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	28.0	PSF
	DL =	8.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.4	PSF
TOTAL LOAD	=	42.4	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/380 (0.59")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.59")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.74/1.00 (E-F:1), BC=0.25/1.00 (G-H:4), WB=0.47/1.00 (B-J:1), SS=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

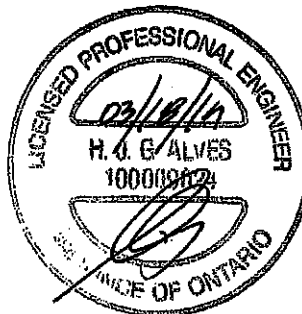
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX	MIN	MAX
MT20	519	354	1667

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

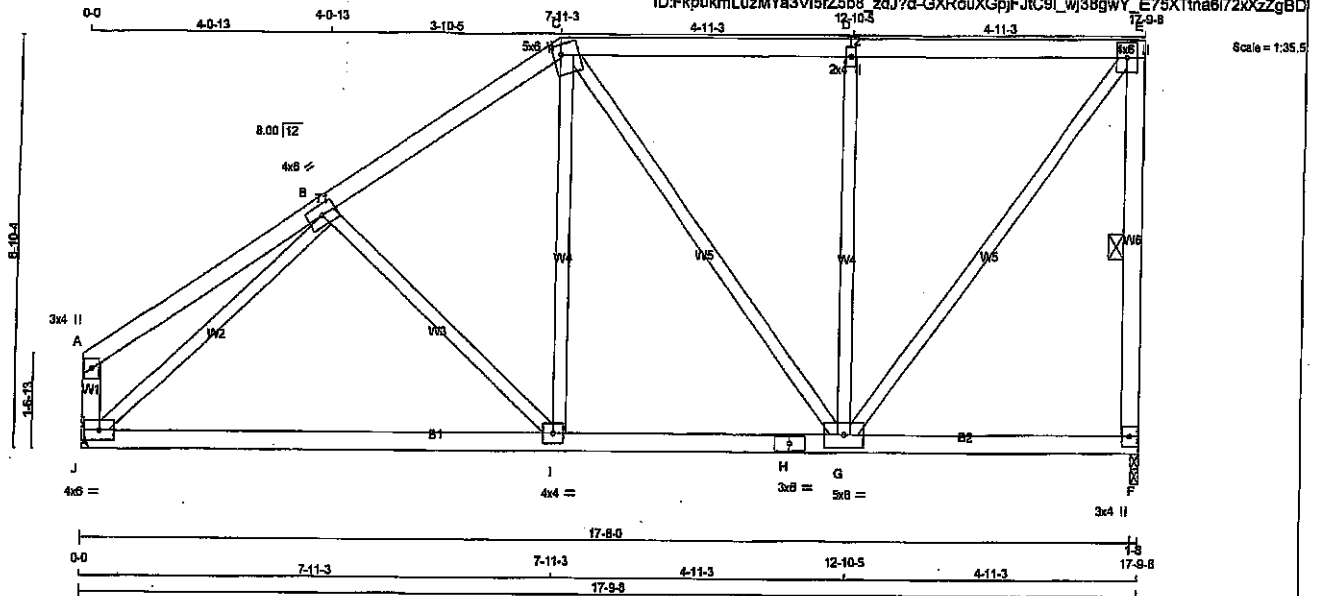
JSI GRIP= 0.75 (E) (INPUT = 0.80)
JSI METAL= 0.35 (E) (INPUT = 1.00)



DRWG NO. TAM T405452
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME T84	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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TOTAL WEIGHT = 82 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF		
C - E	2x4	DRY	No.2	SPF		
F - E	2x4	DRY	No.2	SPF		
J - A	2x4	DRY	No.2	SPF		
J - H	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x8	DRY	No.2	SPF		
EXCEPT						

DRY: SEASONED LUMBER.

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
F	VERT	DOWN	IN-SX	IN-SX
J	1073	0	1-8	1-8
J	1073	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
F	755 517 / 0 0 / 0 0 / 0 238 / 0 0 / 0
J	755 517 / 0 0 / 0 0 / 0 238 / 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 = 6.10 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF) CSI (LC)	MEMB.	FORCE (LBS) MAX (LC)
FR-TO		FROM TO	LENGTH FR-TO	
A-B	0 / 26	-102.1 -102.1 0.28 (1)	10.00	B-I -183 / 0 0.10 (1)
B-C	-807 / 0	-102.1 -102.1 0.27 (1)	6.10	I-C 0 / 281 0.08 (1)
C-D	-834 / 0	-102.1 -102.1 0.42 (1)	8.25	C-G -171 / 0 0.24 (1)
D-E	-834 / 0	-102.1 -102.1 0.42 (1)	8.25	G-D -622 / 0 0.49 (1)
F-E	-1031 / 0	0.0 0.0 0.22 (1)	6.18	G-E 0 / 1050 0.24 (1)
J-A	-155 / 0	0.0 0.0 0.02 (1)	7.81	J-B -1222 / 0 0.61 (1)
J-I	0 / 872	-18.5 -18.5 0.31 (4)	10.00	
I-H	0 / 737	-18.5 -18.5 0.31 (4)	10.00	
H-G	0 / 737	-18.5 -18.5 0.31 (4)	10.00	
G-F	0 / 0	-18.5 -18.5 0.10 (4)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. GIC

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.58")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.58")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.42/1.00 (D-E:1), BC=0.31/1.00 (I-J:4), WB=0.61/1.00 (B-I:1), SSI=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

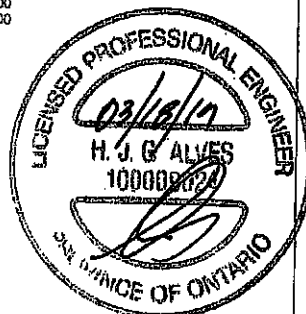
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1697 788 1987 1636

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

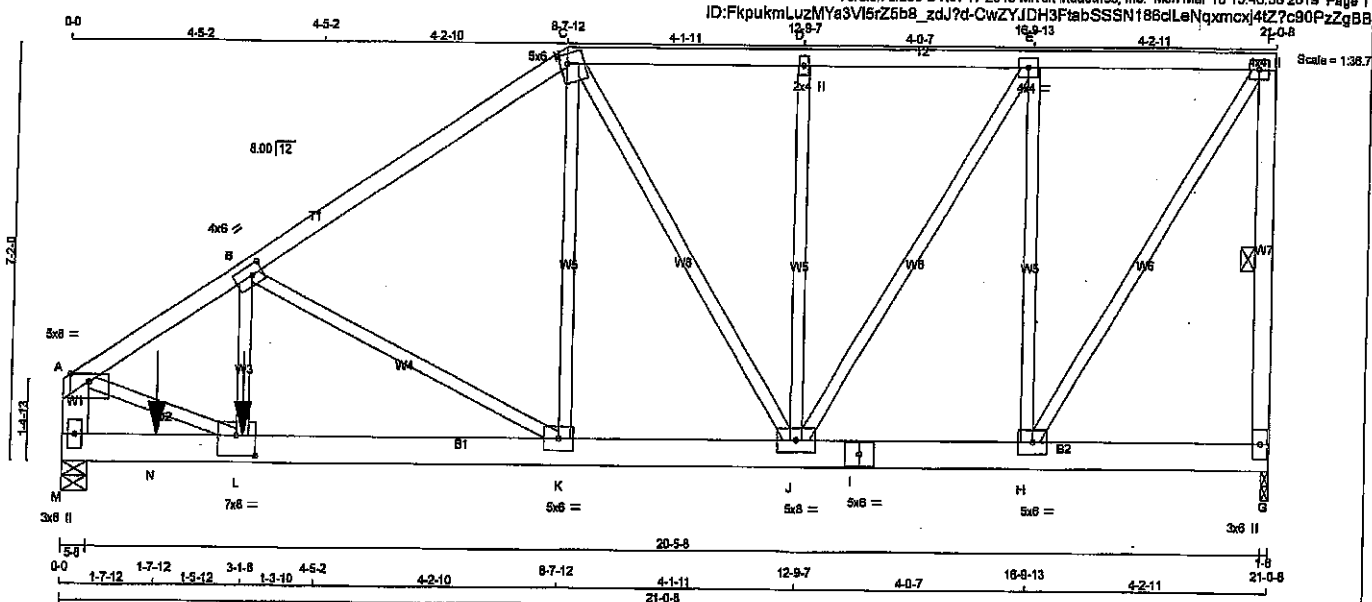
JSI GRIP= 0.87 (J) (INPUT = 0.80)
JSI METAL= 0.29 (B) (INPUT = 1.00)



DWG NO. TAM 71905453
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T85	1	3	TRUSS DESC.		

Tamarack Roof Truss, Burlington Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:58 2019 Page 1
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TOTAL WEIGHT = 3 X 116 = 348 lb

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x4	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
M - A	2x6	DRY	No.2	SPF	
M - I	2x6	DRY	No.2	SPF	
I - G	2x6	DRY	No.2	SPF	

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

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - F	12	TOP
F - G	12	TOP
M - A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M - I	12	SIDE(1007.1)
I - G	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
B - L	5	SIDE(299.4)
2x3	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

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

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

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge	
B	TMVW-i	MT20	4.0	8.0	2.00	2.25
C	TMVW-m	MT20	5.0	8.0	2.00	1.80
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-i	MT20	4.0	4.0		
F	TMVW-p	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMVW-i	MT20	5.0	6.0		
I	BS-1	MT20	5.0	6.0		
J	BMVW-w-i	MT20	5.0	8.0		
K	BMVW-i	MT20	5.0	8.0		
L	BMVW-i	MT20	7.0	8.0	4.25	4.00
M	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	RECORD BRG IN-SX
JT	VERT	HORZ	DOWN	HORZ
G	2025	0	2025	0
M	5932	0	5932	0

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
G	1423	984 / 0
M	4163	2911 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.48 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

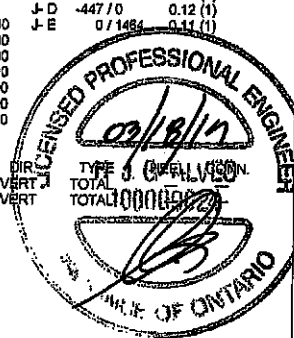
LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO									
A-B	-8556 / 0	-102.1	-102.1	0.16 (1)	4.48	L-B	0 / 3287	0.25 (1)	
B-C	-2814 / 0	-102.1	-102.1	0.16 (1)	6.22	B-K	-3810 / 0	0.88 (1)	
C-D	-1875 / 0	-102.1	-102.1	0.08 (1)	6.25	K-C	0 / 1908	0.14 (1)	
D-E	-1875 / 0	-102.1	-102.1	0.08 (1)	6.25	A-L	0 / 5759	0.43 (1)	
E-F	-1128 / 0	-102.1	-102.1	0.08 (1)	6.25	H-F	0 / 2135	0.16 (1)	
G-F	-1991 / 0	0.0	0.0	0.15 (1)	6.25	C-J	-910 / 0	0.38 (1)	
M-A	-5497 / 0	0.0	0.0	0.12 (1)	7.38	J-D	-1721 / 0	0.48 (1)	
M-N	0 / 0	-18.5	-18.5	0.15 (1)	10.00	J-E	-447 / 0	0.12 (1)	
N-L	0 / 0	-18.5	-18.5	0.15 (1)	10.00				
L-K	0 / 5487	-18.5	-18.5	0.27 (1)	10.00				
K-J	0 / 2349	-18.5	-18.5	0.11 (1)	10.00				
J-I	0 / 1128	-18.5	-18.5	0.05 (1)	10.00				
I-H	0 / 1128	-18.5	-18.5	0.05 (1)	10.00				
H-G	0 / 0	-18.5	-18.5	0.01 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.
L	3-1-8	-4722	-4722	-	FRONT	VERT
N	1-7-12	-697	-697	-	FRONT	VERT



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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, NSCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.18/1.00 (A-B-1), BC=0.27/1.00 (K-L-1), WB=0.88/1.00 (B-K-1), SS=0.09/1.00 (L-M-1)

DOZ 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)
MT20	618	354
	1657	768
	1957	1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP=0.80 (L) (INPUT=0.80)
SI METAL=0.34 (A) (INPUT=1.00)

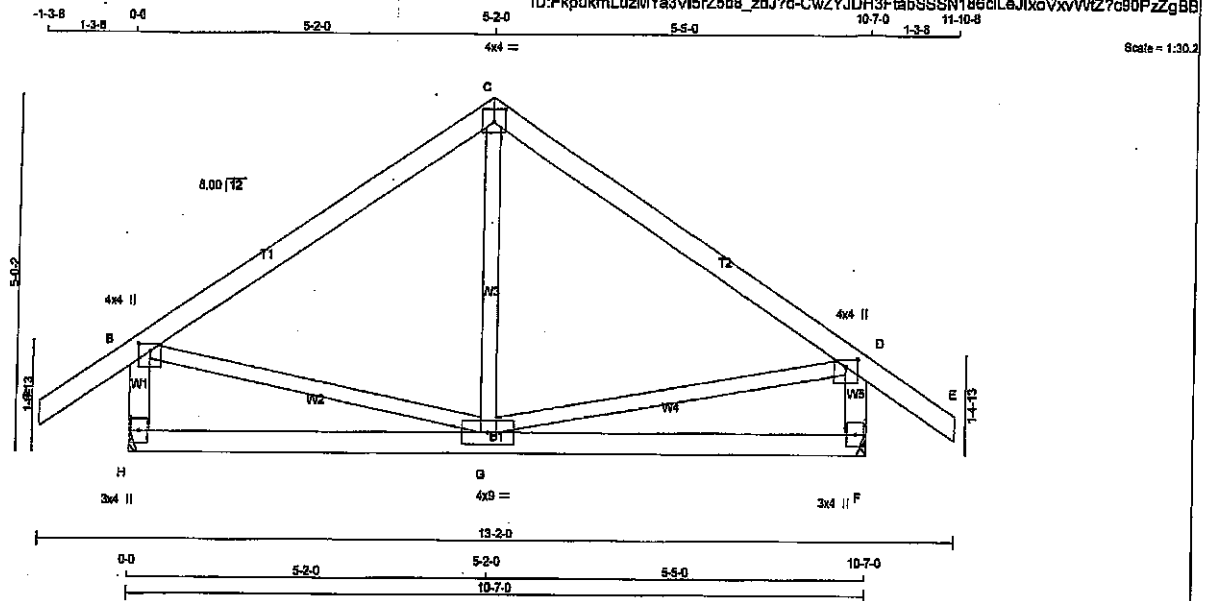
DWG NO. TAM T1905454
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T86	3	1	TRUSS DESC.		

Tamrack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 45 = 134 lb

LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	REQD	SPECIFIED LOADS:		
A - C	2x4	DRY	No.2	SPF	GROSS REACTION	GROSS REACTION	BRG	BRG	TOP CH. LL =	29.0	PSF
C - E	2x4	DRY	No.2	SPF	VERT	HORZ	DOWN	HORZ	DL =	6.0	PSF
H - B	2x4	DRY	No.2	SPF	JT				BOT CH. LL =	0.0	PSF
F - D	2x4	DRY	No.2	SPF	H	778	0	778	DL =	7.4	PSF
H - F	2x4	DRY	No.2	SPF	F	778	0	778	TOTAL LOAD =	42.4	PSF
ALL WEBS	2x3	DRY	No.2	SPF	A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H, F. MINIMUM BEARING LENGTH AT JOINT H = 1-8, JOINT F = 1-8.						
EXCEPT											

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
H	545	387/0	0/0	0/0	0/0	159/0	0/0
F	545	387/0	0/0	0/0	0/0	159/0	0/0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO	CSI (LC)	FR-TO			
A-B	0/39	-102.1 -102.1	0.14 (1)	G-C	-44/80	0.03 (4)	
B-C	-447/0	-102.1 -102.1	0.35 (1)	B-G	0/383	0.09 (1)	
C-D	-447/0	-102.1 -102.1	0.39 (1)	G-D	0/380	0.09 (1)	
D-E	0/39	-102.1 -102.1	0.14 (1)				
H-B	-742/0	0.0 0.0	0.08 (1)				
F-D	-739/0	0.0 0.0	0.08 (1)				
H-G	0/0	-18.5 -18.5	0.15 (4)				
G-F	0/0	-18.5 -18.5	0.15 (4)				

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.55 (D) (INPUT = 0.90)
JSI METAL = 0.16 (D) (INPUT = 1.00)

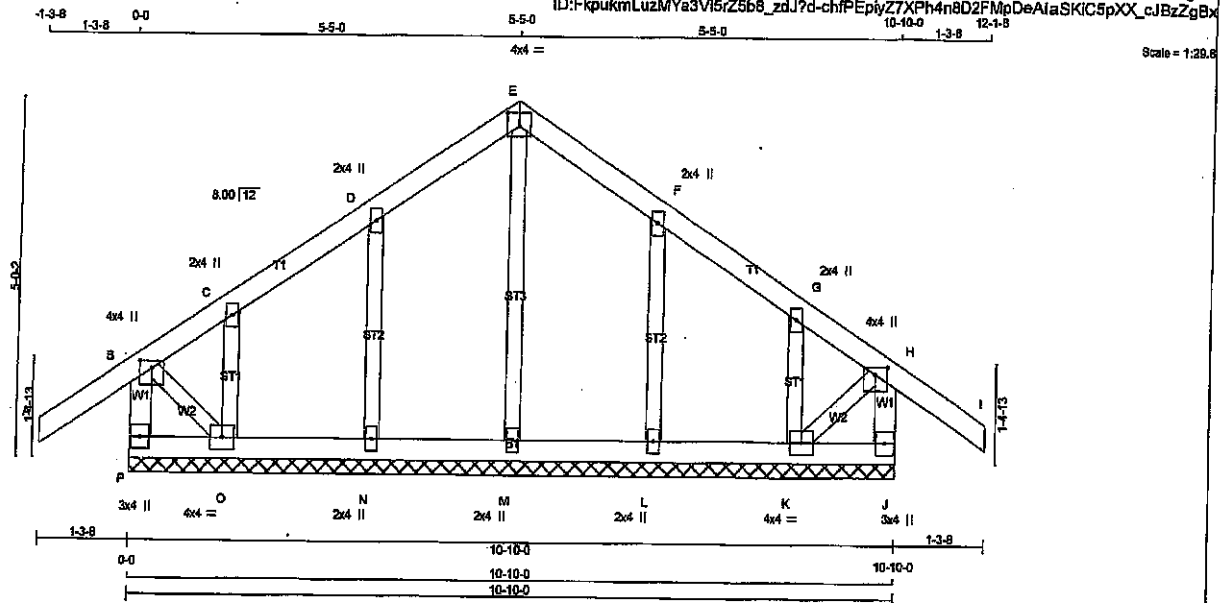


DRWG NO. TAM 1705453
STRUCTURAL
GOOD COPY ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	G86	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:28.8

TOTAL WEIGHT = 47 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF		
A - E	2x4	DRY	No.2	SPF		
E - I	2x4	DRY	No.2	SPF		
J - H	2x4	DRY	No.2	SPF		
P - J	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
ALL GABLE WEBS	2x3	DRY	No.2	SPF		
DRY: SEASONED LUMBER.						
GABLE STUDS SPACED AT 24-0 OC.						

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.25	2.00
C, D, F, G					
C TMVW+w	MT20	2.0	4.0		
E TMVW-p	MT20	4.0	4.0	2.25	2.00
H TMVW+p	MT20	4.0	4.0	1.25	2.00
J BMV1+p	MT20	3.0	4.0		
K BMVW1-t	MT20	4.0	4.0		
L, M, N					
L BMV1+w	MT20	2.0	4.0		
O BMVW1-t	MT20	4.0	4.0		
P BMV1+p	MT20	3.0	4.0		

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
P-B	-294 / 0	0.0	0.0 0.03 (1)	M-E	-160 / 0	0.06 (1)	
A-B	0 / 39	-102.1	-102.1 0.14 (1)	N-D	-248 / 0	0.05 (1)	
B-C	-53 / 0	-102.1	-102.1 0.13 (1)	O-C	-82 / 0	0.01 (1)	
C-D	-1 / 0	-102.1	-102.1 0.07 (1)	L-F	-248 / 0	0.05 (1)	
D-E	-18 / 0	-102.1	-102.1 0.07 (1)	K-G	-82 / 0	0.01 (1)	
E-F	-1 / 0	-102.1	-102.1 0.07 (1)	B-O	0 / 17	0.00 (1)	
F-G	-1 / 0	-102.1	-102.1 0.13 (1)	K-H	0 / 17	0.00 (1)	
G-H	-53 / 0	-102.1	-102.1 0.13 (1)				
H-I	0 / 39	-102.1	-102.1 0.14 (1)				
J-H	-294 / 0	0.0	0.0 0.03 (1)				
P-O	0 / 0	-18.5	-18.5 0.01 (4)				
O-N	0 / 10	-18.5	-18.5 0.02 (4)				
N-M	0 / 4	-18.5	-18.5 0.01 (4)				
M-L	0 / 4	-18.5	-18.5 0.01 (4)				
L-K	0 / 10	-18.5	-18.5 0.02 (4)				
K-J	0 / 0	-18.5	-18.5 0.01 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.02/1.00 (N-O:4), WB=0.06/1.00 (E-M:1), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

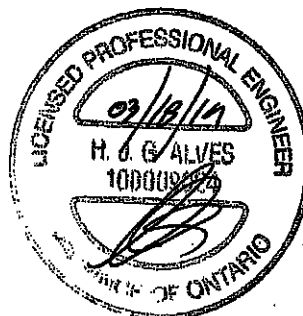
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1957 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= 0.13 (F) (INPUT = 1.00)



DWG NO. TAM 71905456
STRUCTURAL
COMPLEMENT Q11 V

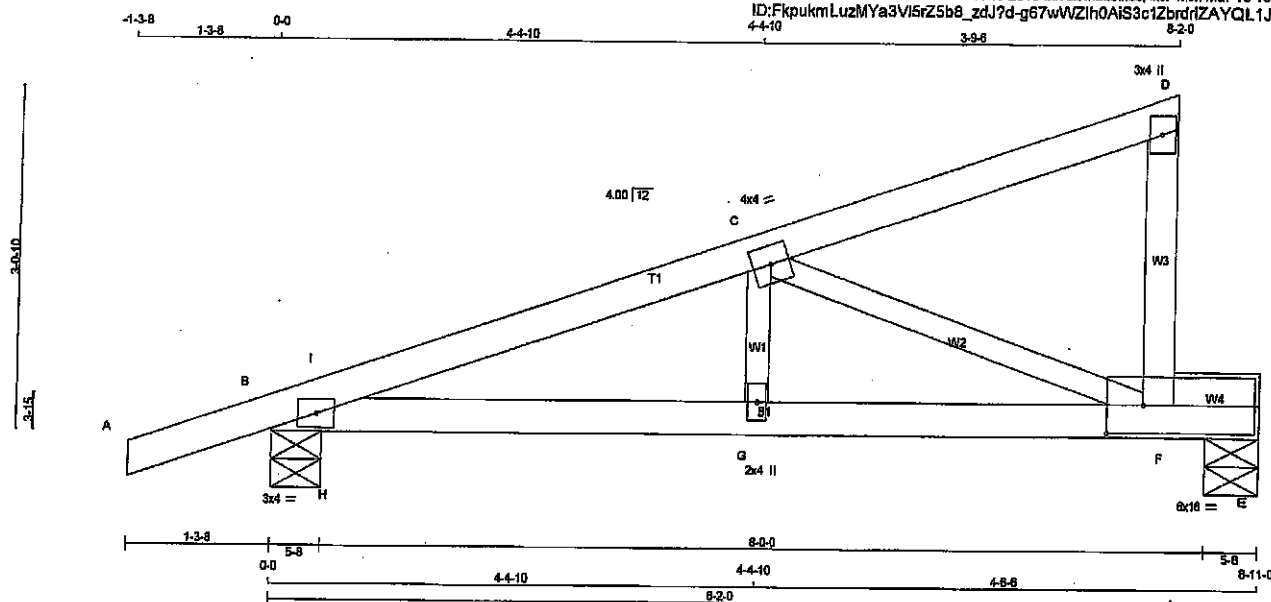
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T87	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpukmLuzMYa3V5rZ5b8_zdJ7d-g67wVZlh0AiS3c1ZbrdrIZAYQL1JgJq0ofLiYrzZgBA

Scale = 1:18.0



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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMB1-I	MT20	3.0	4.0
C	TMVW-t	MT20	4.0	4.0
D	TMV+p	MT20	3.0	4.0
F	BMVWV-t	MT20	6.0	16.0 3.00 4.00
G	BMV+w	MT20	2.0	4.0

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

FACTORED		MAXIMUM FACTORED		INPUT	
GROSS REACTION		GROSS REACTION		BRG	REQD
JT	VERT	JT	VERT	IN-SX	IN-SX
B	671	0	671	0	5-8
E	464	0	464	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
B	470	335 / 0	0 / 0	0 / 0	0 / 0	135 / 0
E	328	217 / 0	0 / 0	0 / 0	0 / 0	111 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 8.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	C-C	0 / 245	0.06 (1)
B-I	-1028 / 0	-102.1	-102.7	0.03 (1)	6.16	C-F	-1044 / 0	0.27 (1)
I-C	-1013 / 0	-102.1	-102.1	0.17 (1)	6.03	H-I	-174 / 0	0.00 (1)
C-D	-13 / 0	-102.1	-102.1	0.16 (1)	6.25			
F-D	-153 / 0	0.0	0.0	0.02 (1)	7.81			
B-H	0 / 971	-18.5	-18.5	0.28 (1)	10.00			
H-G	0 / 971	-18.5	-18.5	0.31 (1)	10.00			
G-F	0 / 971	-18.5	-18.5	0.62 (1)	10.00			
F-E	0 / 0	-18.5	-18.5	0.19 (1)	10.00			

TOTAL WEIGHT = 3 X 29 = 88 LB

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, CBC 2012
- CSA 088-09, CSA 086-14
- TPIG 2011, TPIG 2014

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.30")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.06")
ALLOWABLE DEFL.(TL) = $L/360$ (0.30")
CALCULATED VERT. DEFL.(TL) = $L/875$ (0.12")

CSI: TC=0.171/0.0 (C-F:1), BC=0.62/1.00 (F-G:1), WB=0.27/1.00 (C-F:1), SS=0.18/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

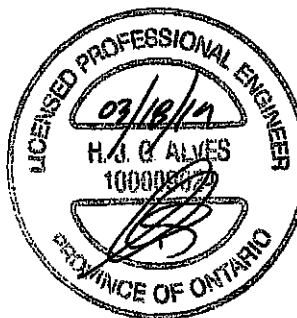
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



DRWG NO. TAM 77905457
STRUCTURAL
COMPONENT ONLY

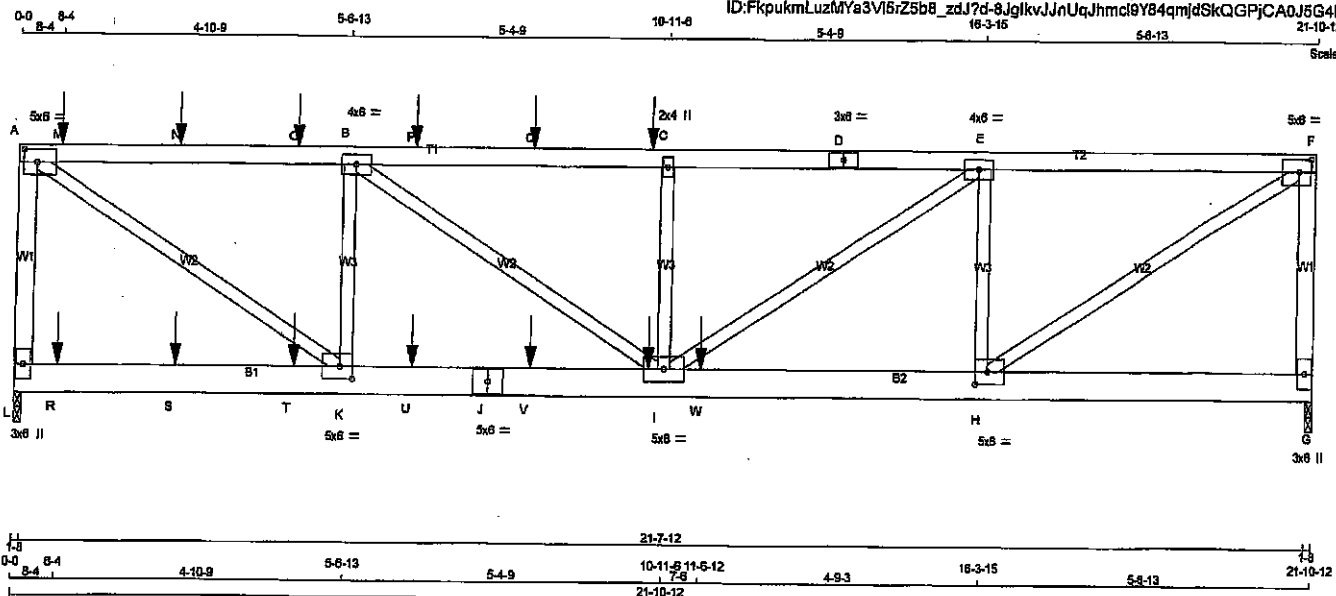
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	T110	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:FkpkumLuzMYa3V16rZ5b8_zdJ7d-8JgkVJnUqJhmcI9Y84qmjdSkQGpJCA0J5G4IzZgB9

Scale = 1/32



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
L - A	2x4	DRY	No.2	SPF		
A - D	2x4	DRY	No.2	SPF		
D - F	2x4	DRY	No.2	SPF		
G - F	2x4	DRY	No.2	SPF		
L - J	2x6	DRY	No.2	SPF		
J - G	2x8	DRY	No.2	SPF		

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
L-A	12	TOP
A-D	12	SIDE(61.0)
D-F	12	TOP
F-G	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
L-J	12	SIDE(0.0)
J-G	12	SIDE(183.1)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMWV-t	MT20	5.0	6.0	2.50 2.50
B	TMWV-t	MT20	4.0	6.0	
C	TMWV-t	MT20	2.0	4.0	
D	TS-t	MT20	3.0	6.0	
E	TMWV-t	MT20	4.0	6.0	
F	TMWV-t	MT20	5.0	6.0	2.50 2.50
G	BMV1+p	MT20	3.0	6.0	
H	BMWV-t	MT20	6.0	6.0	2.50 2.50
I	BMWV-t	MT20	5.0	6.0	
J	BS-t	MT20	5.0	6.0	
K	BMWV-t	MT20	5.0	6.0	2.50 2.50
L	BMV1+p	MT20	3.0	6.0	

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
L	2540	0	2540	0
G	2197	0	2197	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE			
L	1788	1223 / 0	0 / 0	0 / 0	564 / 0
G	1545	1088 / 0	0 / 0	0 / 0	479 / 0

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

BRACING

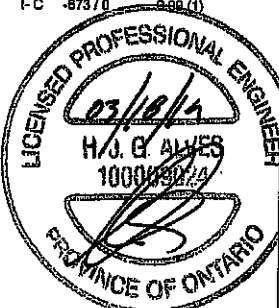
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.99 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO									
L-A	-2442 / 0	0.0	0.0	0.30 (1)	7.22	H-F	0 / 3485	0.43 (1)	
A-M	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	A-K	0 / 3708	0.46 (1)	
M-N	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	H-E	-1684 / 0	0.21 (1)	
N-O	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	K-B	-1938 / 0	0.25 (1)	
O-B	-3080 / 0	-102.1	-102.1	0.48 (1)	4.69	I-E	0 / 1844	0.23 (1)	
B-P	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99	B-I	0 / 1621	0.20 (1)	
P-Q	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99	I-C	-873 / 0	0.08 (1)	
Q-C	-4412 / 0	-102.1	-102.1	0.54 (1)	3.99				
C-D	-4412 / 0	-102.1	-102.1	0.38 (1)	4.24				
D-E	-4412 / 0	-102.1	-102.1	0.38 (1)	4.24				
E-F	-2896 / 0	-102.1	-102.1	0.28 (1)	5.08				
G-F	-2188 / 0	0.0	0.0	0.27 (1)	7.55				



FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
L-R	0 / 0	-18.5	-18.5	0.08 (4)	10.00				
R-S	0 / 0	-18.5	-18.5	0.08 (4)	10.00				
S-T	0 / 0	-18.5	-18.5	0.08 (4)	10.00				
T-K	0 / 0	-18.5	-18.5	0.08 (4)	10.00				
K-U	0 / 3080	-18.5	-18.5	0.27 (1)	10.00				
U-J	0 / 3080	-18.5	-18.5	0.27 (1)	10.00				
J-V	0 / 3080	-18.5	-18.5	0.27 (1)	10.00				
V-I	0 / 3080	-18.5	-18.5	0.27 (1)	10.00				
I-W	0 / 2896	-18.5	-18.5	0.38 (1)	10.00				
W-H	0 / 2896	-18.5	-18.5	0.38 (1)	10.00				
H-G	0 / 0	-18.5	-18.5	0.08 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	10-8-4	-113	-113	FRONT	VERT	TOTAL		
I	10-8-4	-25	-25	FRONT	VERT	TOTAL		
M	8-4	-129	-129	FRONT	VERT	TOTAL		
N	2-8-4	-113	-113	FRONT	VERT	TOTAL		
O	4-8-4	-113	-113	FRONT	VERT	TOTAL		
P	6-8-4	-113	-113	FRONT	VERT	TOTAL		
Q	8-8-4	-113	-113	FRONT	VERT	TOTAL		
R	8-4	-28	-28	FRONT	VERT	TOTAL		
S	2-8-4	-25	-25	FRONT	VERT	TOTAL		
T	4-8-4	-25	-25	FRONT	VERT	TOTAL		
U	6-8-4	-25	-25	FRONT	VERT	TOTAL		
V	8-8-4	-25	-25	FRONT	VERT	TOTAL		
W	11-8-12	-1248	-1248	FRONT	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 085-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.73")
CALCULATED VERT. DEFL.(LL) = L/999 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.73")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.54/1.00 (B-C:1), BC=0.38/1.00 (H-I:1), WB=0.48/1.00 (A-K:1), SS=0.39/1.00 (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

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

RAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1987 1858

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (A) (INPUT = 0.90)
JSI METAL= 0.38 (H) (INPUT = 1.00)

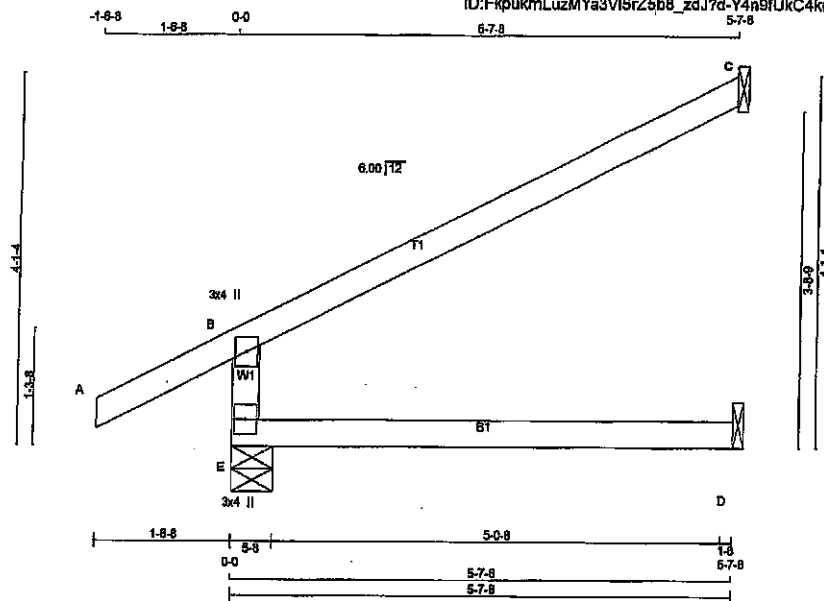
DRWG NO. TAM 740545B
STRUCTURAL
03/08/19

JOB NAME 401794	TRUSS NAME J11	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:23.6



TOTAL WEIGHT = 6 X 17 = 102 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
E	584	0	584	0	5-8	5-8
C	215	0	215	0	1-8	1-8
D	43	0	49	0	1-8	1-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	407	297 / 0	0 / 0	0 / 0	0 / 0	110 / 0	0 / 0
C	148	123 / 0	0 / 0	0 / 0	0 / 0	25 / 0	0 / 0
D	35	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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	WEBS		MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
			FR-TO	LENGTH FR-TO			
E-B	-523 / 0	0.0	0.0	0.11 (4)	7.61		
A-B	0 / 37	-102.1	-102.1	0.19 (1)	10.00		
B-C	-32 / 0	-102.1	-102.1	0.55 (1)	8.25		
E-D	0 / 0	-18.5	-18.5	0.12 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/899 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/899 (0.03")

CS1: TC=0.55/1.00 (B-C-1), BC=0.12/1.00 (D-E-4), WB=0.00/1.00 (n/a-0), SS1=0.25/1.00 (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

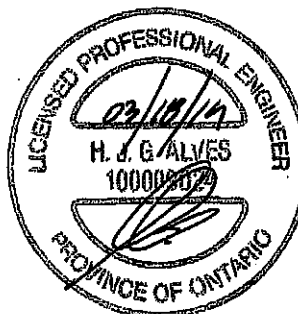
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

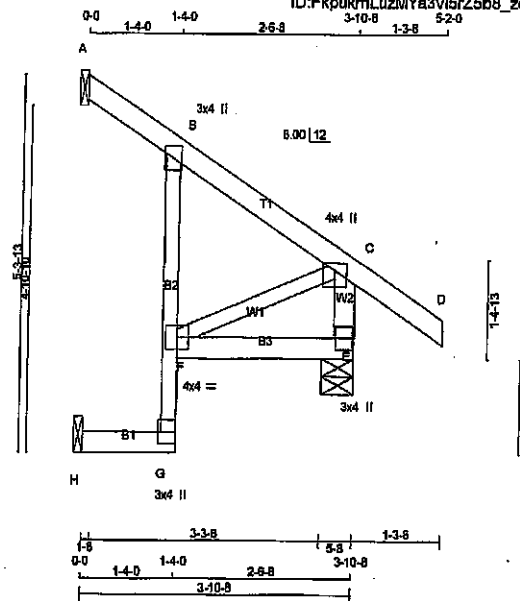
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (E) (INPUT = 0.80)
JSI METAL= 0.15 (B) (INPUT = 1.00)



DRWG NO. TAM 71405454
STRUCTURAL
CONSTRUCTION PLAN

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401794	J51S	3	1	GREEN PARK HOMES.	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:46:13 2018 Page 1	



Scale = 1:30.2

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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
C TMV+p MT20	4.0	4.0	1.25	2.00
E BMV+p MT20	3.0	4.0		
F BMV+p MT20	4.0	4.0		
G BMV+p MT20	3.0	4.0	2.00	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	HORZ	DOWN	HORZ
A	134	2	134	2
E	440	0	440	0
H	33	-2	33	-2

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) A, H

UNFACTORED REACTIONS

1ST LCASE	MAX / MIN. COMPONENT REACTIONS
JT	COMBINED
A	94
E	307
H	24

HORIZONTAL REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	94	87.0	0.0	0.0	0.0	27.0	0.0
E	307	228.0	0.0	0.0	0.0	79.0	0.0
H	24	10.0	0.0	0.0	0.0	14.0	0.0

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

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.

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED HORIZ. LOAD (LC1)	MAX. FACTORED HORIZ. LOAD (LC2)	MAX. FACTORED HORIZ. LOAD (LC3)	MAX. FACTORED HORIZ. LOAD (LC4)	MAX. FACTORED HORIZ. LOAD (LC5)	MAX. FACTORED HORIZ. LOAD (LC6)	MAX. FACTORED HORIZ. LOAD (LC7)	MAX. FACTORED HORIZ. LOAD (LC8)	MAX. FACTORED HORIZ. LOAD (LC9)	MAX. FACTORED HORIZ. LOAD (LC10)
FR-TO													
A-B	0/36	-102.1	-102.1	0.13 (1)	10.00								
B-C	-74/0	-102.1	-102.1	0.20 (1)	6.25								
C-D	0/36	-102.1	-102.1	0.14 (1)	10.00								
E-C	-412/0	0.0	0.0	0.13 (1)	7.81								
H-G	-2/2	-18.5	-18.5	0.04 (1)	10.00								
G-F	-10/6	0.0	0.0	0.08 (1)	7.81								
F-B	-35/21	0.0	0.0	0.10 (1)	7.81								
F-E	-86/0	-18.5	-18.5	0.03 (4)	6.25								

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:	
TOP CH. LL	= 29.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI: TC=0.20/1.00 (B-C:1), BC=0.10/1.00 (B-F:1), WB=0.03/1.00 (C-F:1), SSI=0.14/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

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

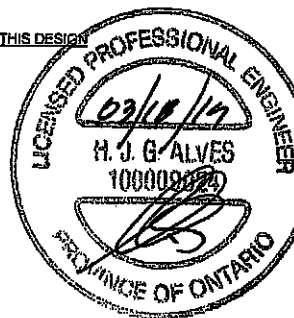
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MT20	618	354	1667
	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

USI GRIP= 0.23 (C) (INPUT = 0.90)
USI METAL= 0.07 (C) (INPUT = 1.00)

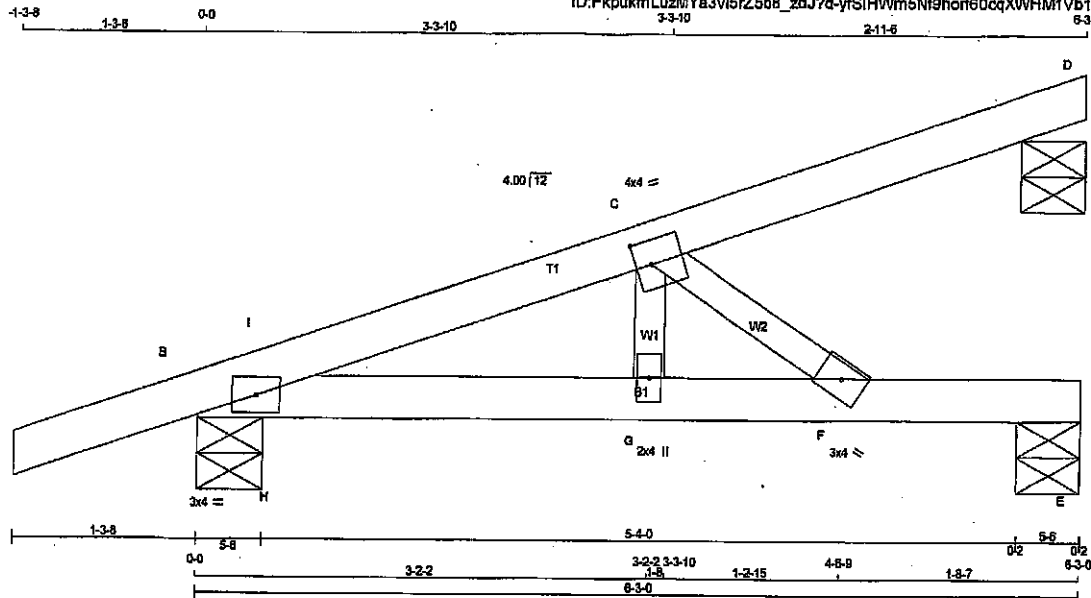


DWG NO. TAM T7905460
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J52	18	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 16 15:48:15 2018 Page 1
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TOTAL WEIGHT = 18 X 18 = 330 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - D 2x4 DRY No.2

B - E 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

LUMBER

DESCR.

SPF

SPF

SPF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMBW-W	MT20	4.0	4.0	2.00	1.25
F	BMW+W	MT20	3.0	4.0		
G	BMW+W	MT20	2.0	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
D	161	0	0	5-8 (5-8)
B	513	0	0	5-8
E	216	0	0	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	111	86 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
B	359	259 / 0	0 / 0	0 / 0	0 / 0	100 / 0	0 / 0
E	154	93 / 0	0 / 0	0 / 0	0 / 0	61 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	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 / 20	-102.1	-102.1	0.13 (1)	10.00
B-I	-634 / 0	-102.1	-102.1	0.02 (1)	6.25
I-C	-632 / 0	-102.1	-102.1	0.12 (1)	8.25
C-D	0 / 2	-102.1	-102.1	0.17 (1)	10.00
B-H	0 / 598	-18.5	-18.5	0.20 (1)	10.00
H-G	0 / 598	-18.5	-18.5	0.20 (1)	10.00
G-F	0 / 608	-18.5	-18.5	0.56 (1)	10.00
F-E	0 / 0	-18.5	-18.5	0.46 (1)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 28.0 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.21")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.21")
CALCULATED VERT. DEFL.(TL) = L/764 (0.10")

CSI: TC=0.17/1.00 (C-D:1), BC=0.56/1.00 (F-G:1), WB=0.12/1.00 (C-F:1), SS=0.24/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

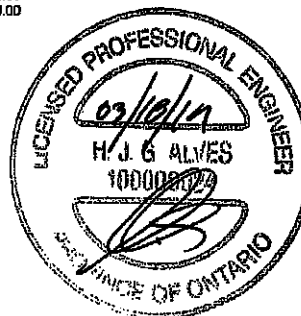
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

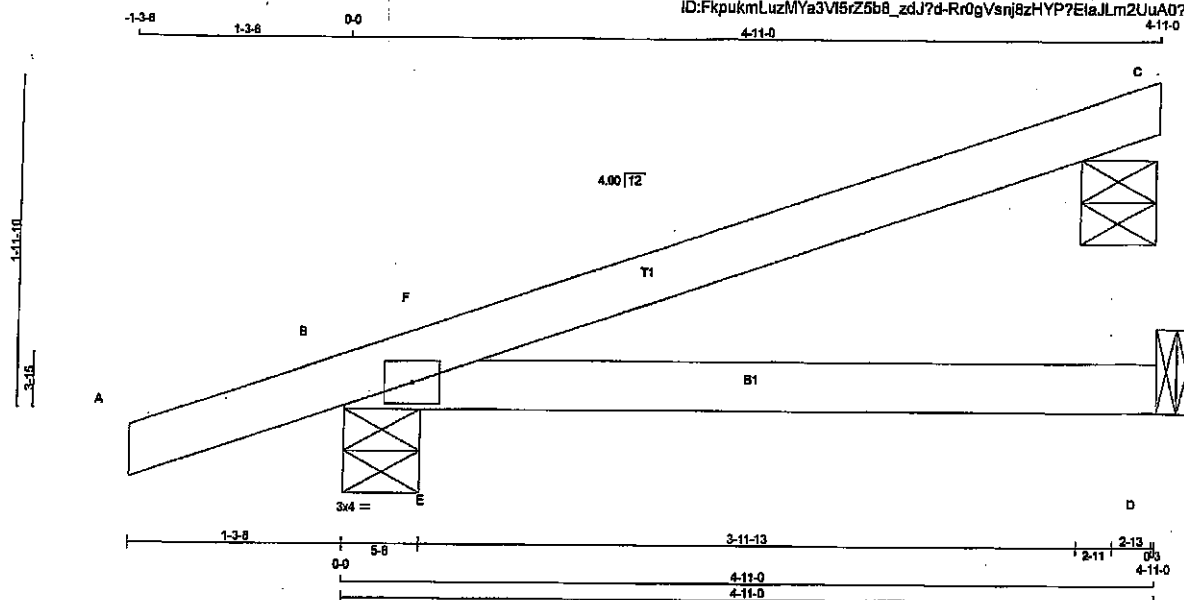
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.63 (C) (INPUT = 0.90)
JSI METAL= 0.27 (F) (INPUT = 1.00)



DRWG NO. TAM 77905461
STRUCTURAL
COMPANY LTD.

JOB NAME 401794	TRUSS NAME J53	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 15:46:16 2019 Page 1 ID:FkpukmLuzMYa3V16rZ5b8_zdJ7d-Rr0gVsnj8zHYP7ElaJLm2UuA07SN6wThvTRxXrzZgBr	



TOTAL WEIGHT = 4 X 13 = 53 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

DRY: SEASONED LUMBER.

DESCR. LUMBER

SPF No.2

SPF

W LEN Y X

3.0 4.0

PLATES (table is in inches)

JT TYPE PLATES

B TMB1-J MT20

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP/LIFT	IN-SX
C	217	0	0	5-8
B	433	0	0	5-8
D	79	0	0	3-0

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

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	150	120 / 0	0 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0
B	302	220 / 0	0 / 0	0 / 0	0 / 0	0 / 0	82 / 0	0 / 0
D	58	23 / 0	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0

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

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 LC1 MAX (PLF)	CS1 (LC)	FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO	
A-B	0 / 20	-102.1 -102.1	0.13 (1)	10.00
B-F	-16 / 6	-102.1 -102.1	0.06 (4)	8.25
F-C	0 / 2	-102.1 -102.1	0.31 (1)	10.00
B-E	0 / 0	-18.5 -18.5	0.23 (1)	10.00
E-D	0 / 0	-18.5 -18.5	0.23 (1)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 8.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD	= 42.4 PSF

SPACING = 24.0 IN./C/G

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012
- CSA 086-03, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/989$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/754$ (0.08")

CS1: TC=0.31/1.00 (C-F:1), BC=0.23/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS1=0.22/1.00 (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.

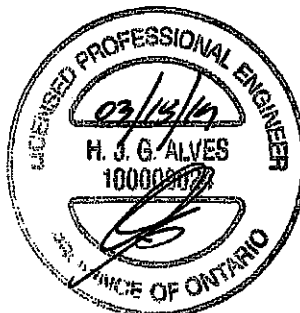
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

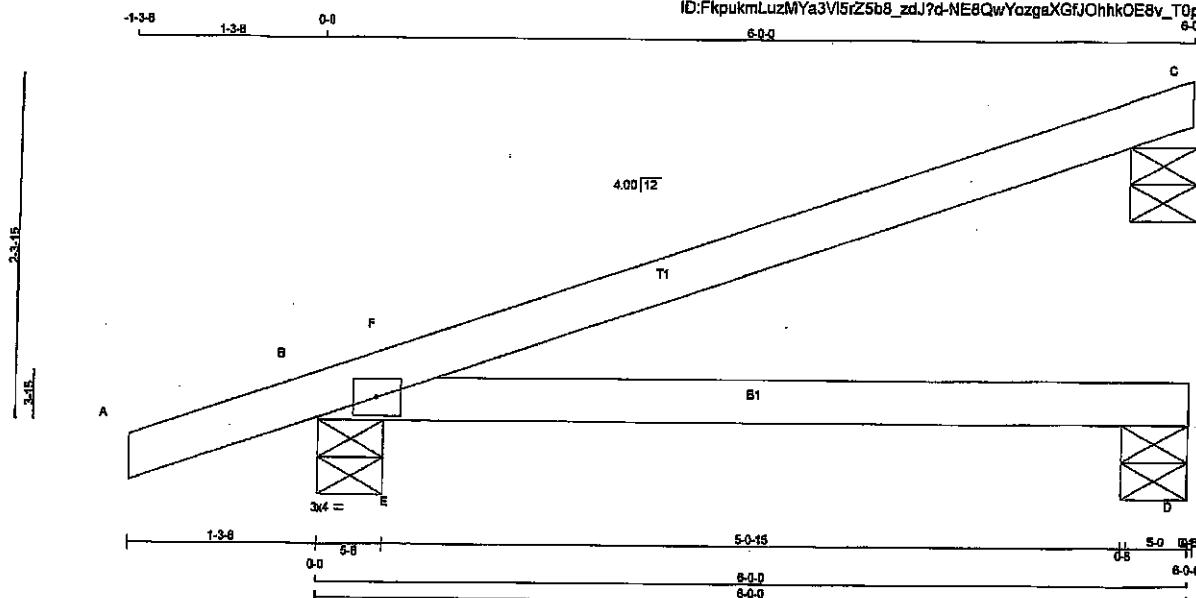


DRWG NO. 1 AM **7905462**
STRUCTURAL
COMPONENT ONLY

JOB NAME 401794	TRUSS NAME J54	QUANTITY 8	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2019 Mitek Industries, Inc. Mon Mar 18 15:46:18 2019 Page 1	

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6-0-0

Scale = 1:14.5



TOTAL WEIGHT = 8 X 16 = 128 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE
A - C 2x4 DRY
B - D 2x4 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 TMB1-I 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
C	287	0	287	0
B	498	0	498	0
D	95	0	95	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	184	147 / 0	0 / 0	0 / 0	0 / 0	0 / 0	37 / 0	0 / 0
B	348	252 / 0	0 / 0	0 / 0	0 / 0	0 / 0	98 / 0	0 / 0
D	71	27 / 0	0 / 0	0 / 0	0 / 0	0 / 0	43 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.25 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. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 20	-102.1 -102.1	0.13 (1)	10.00	E-F	-389 / 13	0.00 (1)
B-F	-20 / 26	-102.1 -102.1	0.07 (4)	8.25			
F-C	-3 / 2	-102.1 -102.1	0.47 (1)	10.00			
B-E	0 / 0	-18.5 -18.5	0.33 (1)	10.00			
E-D	0 / 0	-18.5 -18.5	0.33 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G.C.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2015, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/832 (0.09")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/424 (0.17")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

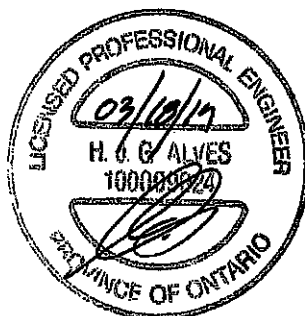
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 798 1687 1686

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

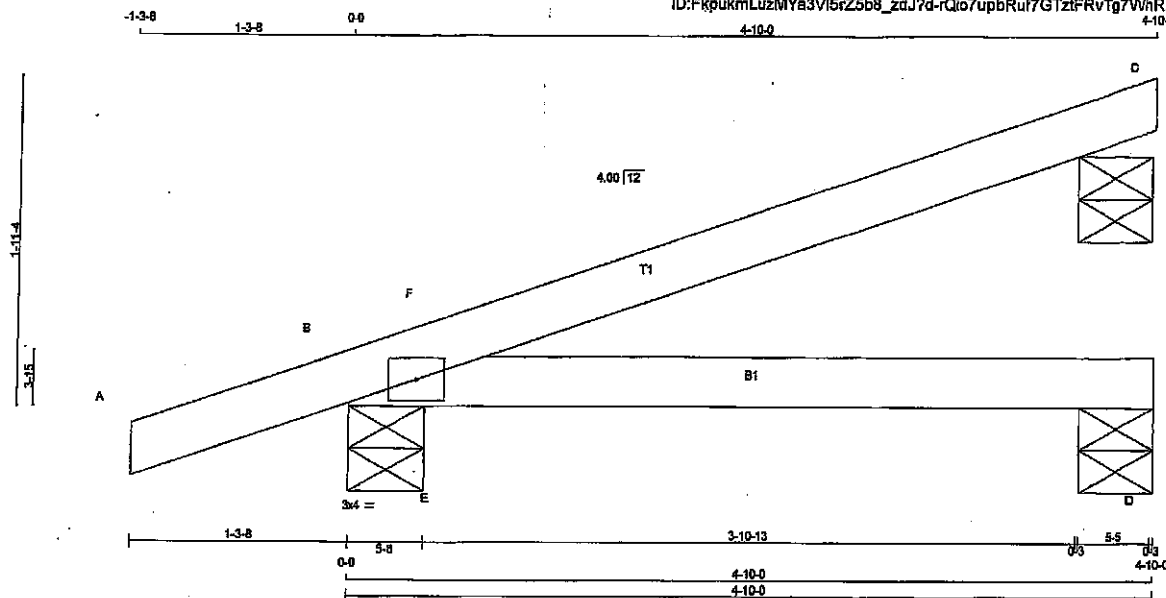
JSI GRIP= 0.34 (B) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)



DRWG NO. TAM **TM05463**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J55	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington Version 8.230 8 Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:48:19 2019 Page 1
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Scale = 1:12.5

TOTAL WEIGHT = 6 X 13 = 78 lb

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

DRY: SEASONED LUMBER.

PLATES (table 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	REQD BRG
	VERT	HORZ	DOWN	HORZ		
C	214	0	214	0	5-8	5-8
B	428	0	428	0	5-8	5-8
D	78	0	78	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	147	118/0	0/0	0/0	0/0	30/0	0/0
B	299	218/0	0/0	0/0	0/0	81/0	0/0
D	58	23/0	0/0	0/0	0/0	35/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	WEBS			
			MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						
A-B	0/20	-102.1 -102.1	0.13 (1)	10.00	E-F	-264/9
B-F	-15/5	-102.1 -102.1	0.06 (4)	6.25		
F-C	0/2	-102.1 -102.1	0.30 (1)	10.00		
B-E	0/0	-18.5 -18.5	0.22 (1)	10.00		
E-D	0/0	-18.5 -18.5	0.22 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 28.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 0.0 PSF
DL = 7.4 PSF	
TOTAL LOAD = 42.4 PSF	

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = $L/380$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/792$ (0.07")

CSI: TC=0.30/1.00 (C-F:1), BC=0.22/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), 6SI=0.21/1.00 (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.

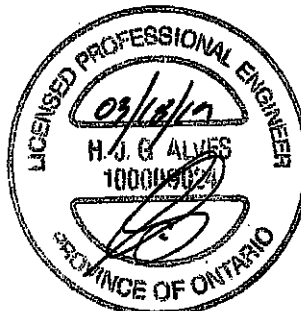
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

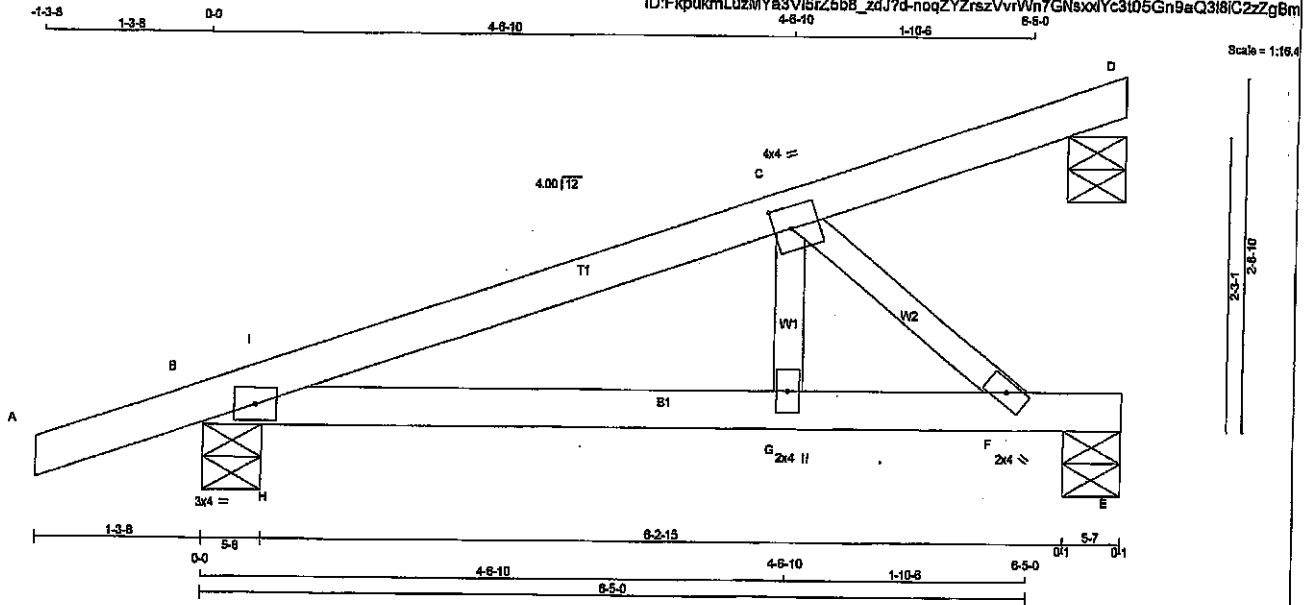
JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



DWG NO. TAW 77905464
STRUCTURAL
CONCRETE ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J56	6	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington						

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Mon Mar 18 15:46:21 2019 Page 1
ID: FkpukmLuzMYa3VIsiZ5b8_zdJ7d-noqZYZrszVvrWn7GNsodYc3t05Gn9aC3t8iC2zZg8m



TOTAL WEIGHT = 6 X 21 = 126 lb

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

PLATES (table in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	
C	TMBVW-I	MT20	4.0	4.0	2.00 1.50
F	BMVW+V	MT20	2.0	4.0	
G	BMVW+V	MT20	2.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
B	589	0	589	0	5-8
E	336	0	336	0	5-8
D	98	0	98	0	5-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	398	286/0	0/0	0/0	0/0	112/0	0/0
E	238	154/0	0/0	0/0	0/0	84/0	0/0
D	66	54/0	0/0	0/0	0/0	12/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0/20	-102.1	-102.1 0.13 (1)	10.00	C-F	-808/0	0.14 (1)
B-I	-628/0	-102.1	-102.1 0.03 (1)	6.25	G-C	0/345	0.08 (1)
I-C	-624/0	-102.1	-102.1 0.18 (1)	6.25	H-I	-216/0	0.00 (1)
C-D	-12/0	-102.1	-102.1 0.11 (1)	6.25			
B-H	0/598	-18.5	-18.5 0.28 (1)	10.00			
H-G	0/598	-18.5	-18.5 0.28 (1)	10.00			
G-F	0/802	-18.5	-18.5 0.50 (1)	10.00			
F-E	0/0	-18.5	-18.5 0.41 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 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 CBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.18/1.00 (C-F:1), BC=0.50/1.00 (F-G:1), WB=0.14/1.00 (C-F:1), SS=0.26/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
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= 0.70 (F) (INPUT = 0.90)
JSI METAL= 0.43 (F) (INPUT = 1.00)

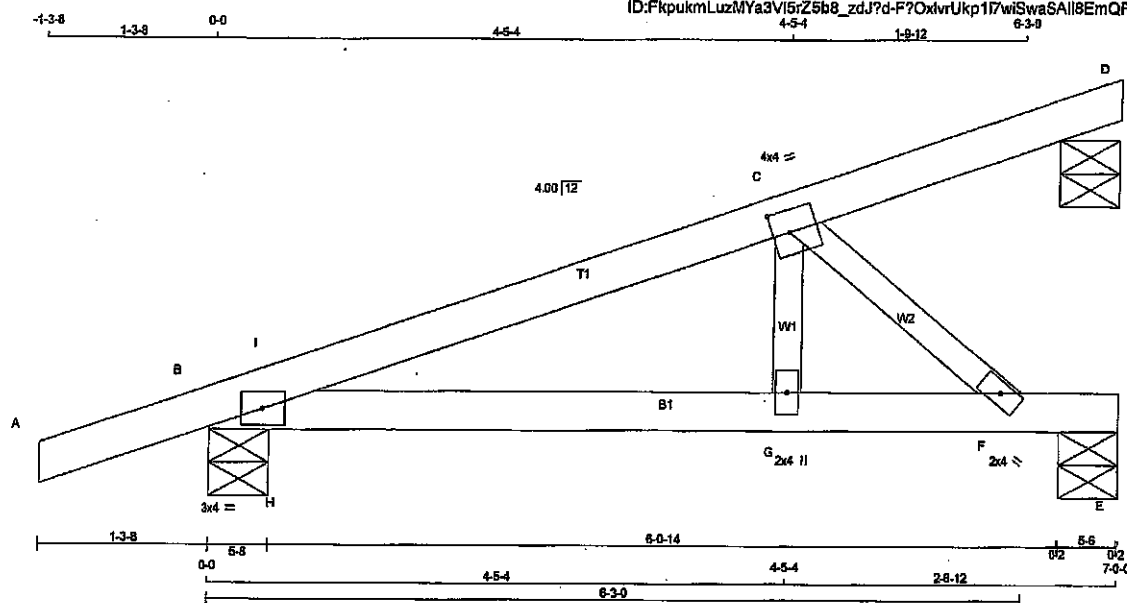


DRWG NO. TAM 7405465
STRUCTURAL
COMPONENT VIEW

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401794	J57	3	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington						

Version 8.230 5 Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 15:48:22 2019 Page 1
ID:FkpukmLuzMYa3V15rZ5b8_zdJ?d-F?OxlvUkp17wiSwSa18EmQRJWcvaHPuFkvZgB

Scale = 1:18.2



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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	
C	TMBWW-I	MT20	4.0	4.0	2.00 1.50
F	BMW+V	MT20	2.0	4.0	
G	BMV+V	MT20	2.0	4.0	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRO BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
B	559	0	559	0	5-8	5-8
E	327	0	327	0	5-8	5-8
D	95	0	95	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	391	291 / 0	0 / 0	0 / 0	0 / 0	110 / 0	0 / 0
E	232	150 / 0	0 / 0	0 / 0	0 / 0	82 / 0	0 / 0
D	85	83 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)		
FR-TO		FROM	TO		FR-TO				
A-B	0 / 20	-102.1	-102.1	0.13 (1)	10.00	C-F	-791 / 0	0.13 (1)	
B-I	-613 / 0	-102.1	-102.1	0.02 (1)	6.25	G-C	0 / 342	0.08 (1)	
I-C	-606 / 0	-102.1	-102.1	0.17 (1)	6.25	H-I	-208 / 0	0.00 (1)	
C-D	-12 / 0	-102.1	-102.1	0.10 (1)	6.25				
B-H	0 / 583	-18.5	-18.5	0.25 (1)	10.00				
H-G	0 / 583	-18.5	-18.5	0.25 (1)	10.00				
G-F	0 / 586	-18.5	-18.5	0.49 (1)	10.00				
F-E	0 / 0	-18.5	-18.5	0.40 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.171/0.0 (C-I:1), BC=0.48/1.00 (F-G:1), WB=0.13/1.00 (C-F:1), SS=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1967 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (F) (INPUT = 0.80)
JSI METAL= 0.42 (F) (INPUT = 1.00)



DRWG NO. TAM 7905466
STRUCTURA
CONSTRUCTION



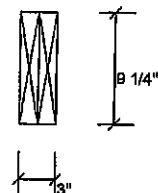
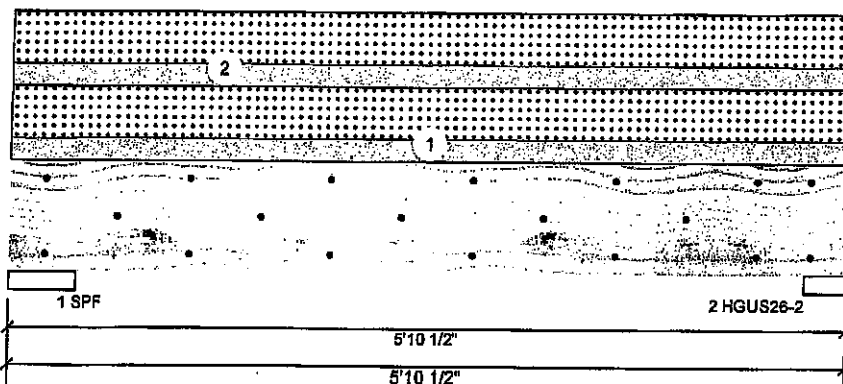
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401784
Project #:

Page 1 of 12

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

Level: Level

**Member Information**

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

Unfactored Reactions UNPATTERNED lb (Uplift)

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

Bearings and Factored Reactions

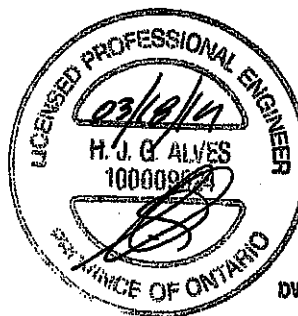
Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	411 / 1138	1550 L	1.25D+1.5S
2 - HGUS...	3.500"	23%	388 / 1076	1484 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1767 ft-lb	3' 1/4"	6039 ft-lb	0.293 (29%)	1.25D+1.5S	L
Unbraced	1767 ft-lb	3' 1/4"	5223 ft-lb	0.338 (34%)	1.25D+1.5S	L
Shear	1347 lb	1'2"	3984 lb	0.338 (34%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9227)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.016 (L/3998)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.023 (L/2789)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

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

DWG NO. TAM 71905467
STRUCTURAL
COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		7-4-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

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

This design is valid until 12/11/2021





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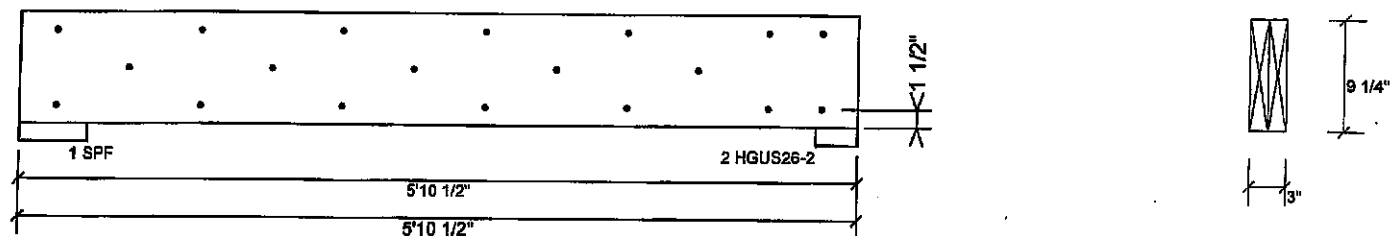
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project#:

Page 2 of 12

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

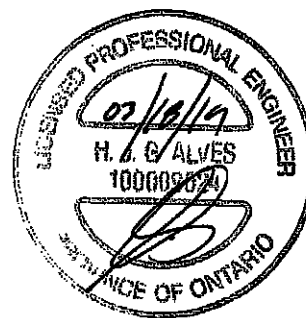
Level: Level



Multi-Ply Analysis

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

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



DWG NO. TAM 11905467
STRUCTURAL
COMPONENT ONLY 2/2

Manufacturer Info

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



This design is valid until 12/11/2021





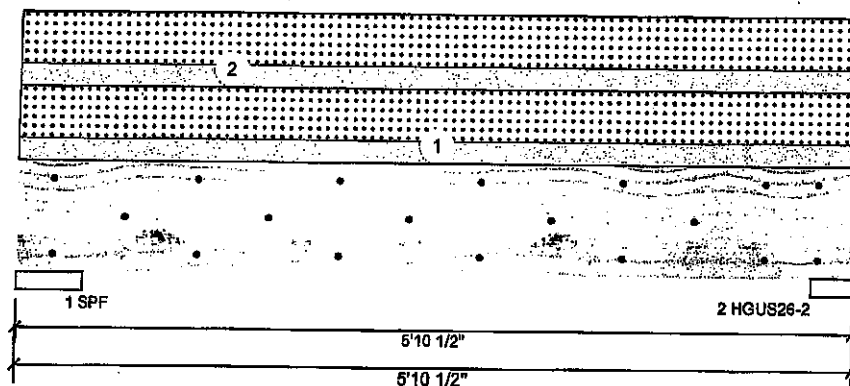
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 3 of 12

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

Level: Level

**Member Information**

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

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

Unfactored Reactions UNPATTERNED lb (Uplift)

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

Bearings and Factored Reactions

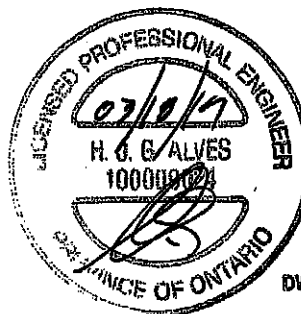
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	15%	399 / 1104	1503 L 1.25D+1.5S
2 - HGUS...	3.500"	22%	377 / 1044	1420 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1715 ft-lb	3' 1/4"	6039 ft-lb	0.284 (28%)	1.25D+1.5S	L
Unbraced	1715 ft-lb	3' 1/4"	5223 ft-lb	0.328 (33%)	1.25D+1.5S	L
Shear	1308 lb	1'2"	3984 lb	0.328 (33%)	1.25D+1.5S	L
Perm Defl in.	0.007 (L/9511)	3' 1/4"	0.175 (L/360)	0.040 (4%)	D	Uniform
LL Defl inch	0.015 (L/4121)	3' 1/4"	0.175 (L/360)	0.090 (9%)	S	L
TL Defl inch	0.022 (L/2875)	3' 1/4"	0.175 (L/360)	0.130 (13%)	D+S	L

Design Notes

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

DWG NO. TAM 71905468
STRUCTURAL
COMPONENT ONLY 1/2

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

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

This design is valid until 12/11/2021





isDesign™

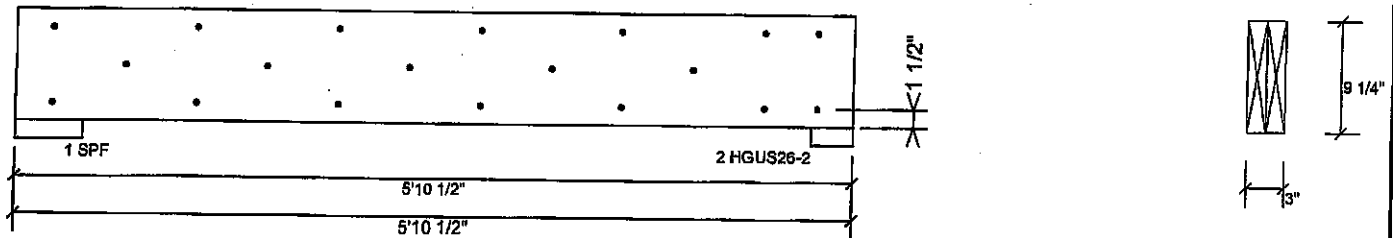
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 4 of 12

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

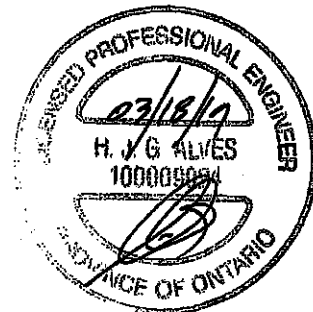
Level: Level



Multi-Ply Analysis

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

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



DWG NO. TAM 71905468
STRUCTURAL
COMPONENT ONLY 2/2

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

This design is valid until 12/11/2021





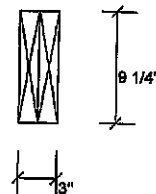
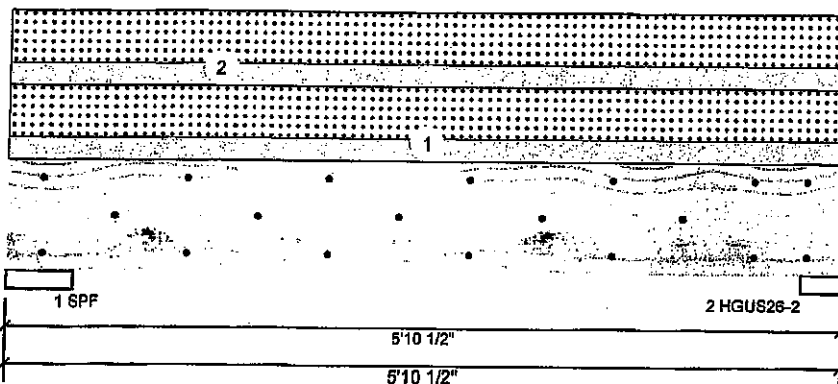
isDesign™

Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 5 of 12

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

Level: Level

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

Type: Girder
Plies: 2
Moisture Condition: Dry
Deflection LL: 380
Deflection TL: 380
Importance: Normal

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

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

Bearings and Factored Reactions

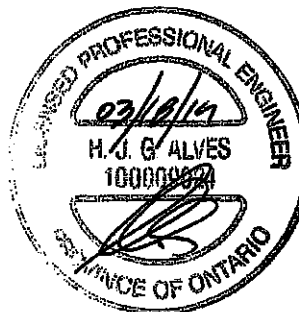
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	17% 448 / 1240	1688 L	1.25D+1.5S
2 - HGUS...	3.500"	25% 423 / 1172	1595 L	1.25D+1.5S

Analysis Results

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

Design Notes

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



DWG NO. TAM 71905469
STRUCTURAL
TAMARACK ROOF TRUSSES
1/2

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

Manufacturer Info

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



This design is valid until 12/11/2021





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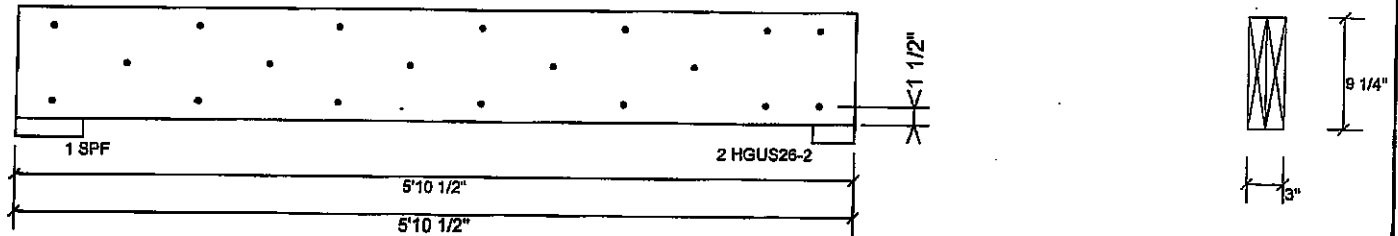
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 8 of 12

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

Level: Level



Multi-Ply Analysis

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

Capacity	73.2 %
Load	248.8 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 7905469
STRUCTURAL
COMPONENT ONLY 3/2

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

This design is valid until 12/11/2021





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Client:
Project:
Address:

Date: 3/18/2019

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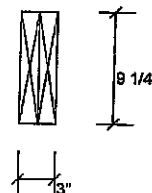
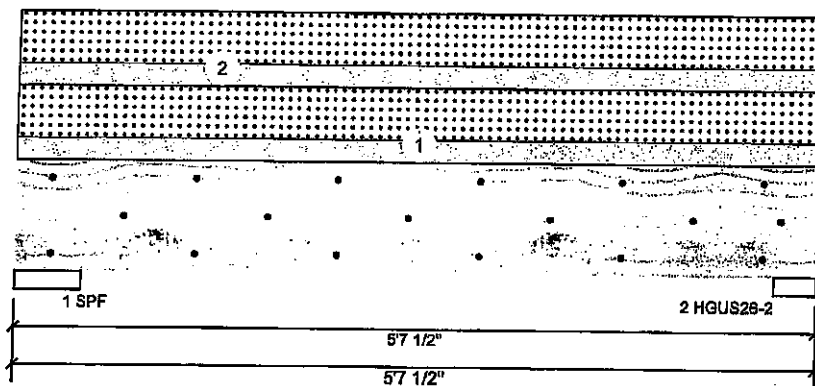
Designer:

Job Name: 401794

Project #:

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

Level: Level

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

Type: Girder	Application: Floor (Residential)	Brg	Live	Dead	Snow	Wind
Piles: 2	Design Method: LSD	1	0	230	630	0
Moisture Condition: Dry	Building Code: NBCC 2015 / OBC 2012	2	0	217	500	0
Deflection LL: 360	Load Sharing: No					
Deflection TL: 360	Deck: Not Checked					
Importance: Normal	Vibration: Not Checked					

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	11%	287 / 795	1083 L	1.25D+1.5S
2 - HGUS...	3.500"	16%	271 / 750	1020 L	1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1168 ft-lb	2'10 3/4"	8039 ft-lb	0.193 (19%)	1.25D+1.5S	L
Unbraced	1168 ft-lb	2'10 3/4"	5299 ft-lb	0.221 (22%)	1.25D+1.5S	L
Shear	935 lb	1'2"	3984 lb	0.235 (23%)	1.25D+1.5S	L
Perm Defl in. (L/14655)	0.004	2'10 3/4"	0.167 (L/360)	0.020 (2%)	D	Uniform
LL Defl inch	0.009 (L/6350)	2'10 3/4"	0.167 (L/360)	0.060 (6%)	S	L
TL Defl inch	0.014 (L/4430)	2'10 3/4"	0.167 (L/360)	0.080 (8%)	D+S	L

Design Notes

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

DWG NO. TARM 7905470
STRUCTURAL
COMPONENT ONLY

1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-1-4	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

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

This design is valid until 12/11/2021





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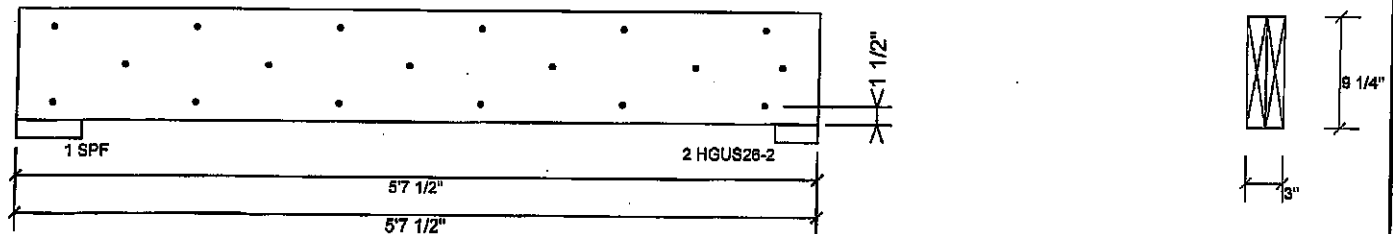
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 8 of 12

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

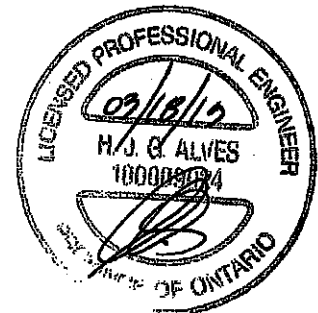
Level: Level



Multi-Ply Analysis

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

Capacity	46.0 %
Load	158.3 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. 1AM 11405470
STRUCTURAL
COMPONENT ONLY 3/2

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

This design is valid until 12/11/2021





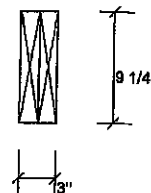
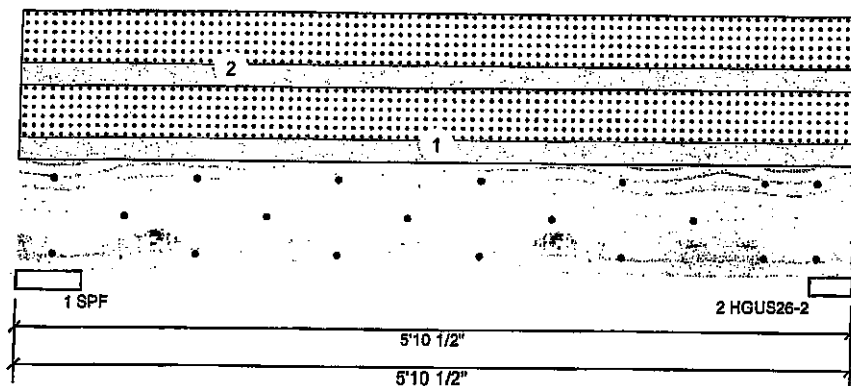
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Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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

Level: Level

**Member Information**

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

Application: Floor (Residential)
Design Method: LSD
Building Code: NBCC 2015 / OBC 2012
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

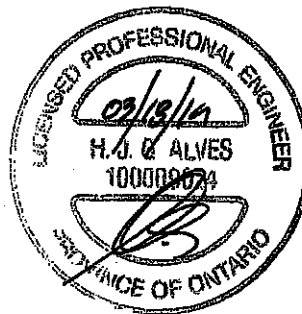
Brg	Live	Dead	Snow	Wind
1	0	247	570	0
2	0	233	539	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	11%	309 / 855	1164 L 1.25D+1.5S
2 - HGUS...	3.500"	17%	292 / 808	1100 L 1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1328 ft-lb	3' 1/4"	6039 ft-lb	0.220 (22%)	1.25D+1.5S	L
Unbraced	1328 ft-lb	3' 1/4"	5223 ft-lb	0.254 (25%)	1.25D+1.5S	L
Shear	1012 lb	1'2"	3984 lb	0.254 (25%)	1.25D+1.5S	L
Perm Defl in. (L/12282)	0.005	3' 1/4"	0.175 (L/360)	0.030 (3%)	D	Uniform
LL Defl inch	0.012 (L/5322)	3' 1/4"	0.175 (L/360)	0.070 (7%)	S	L
TL Defl inch	0.017 (L/3713)	3' 1/4"	0.175 (L/360)	0.100 (10%)	D+S	L

**Design Notes**

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

DWG NO. TAM 71405471
STRUCTURAL
COMPONENT ONLY

1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-3-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until 12/11/2021





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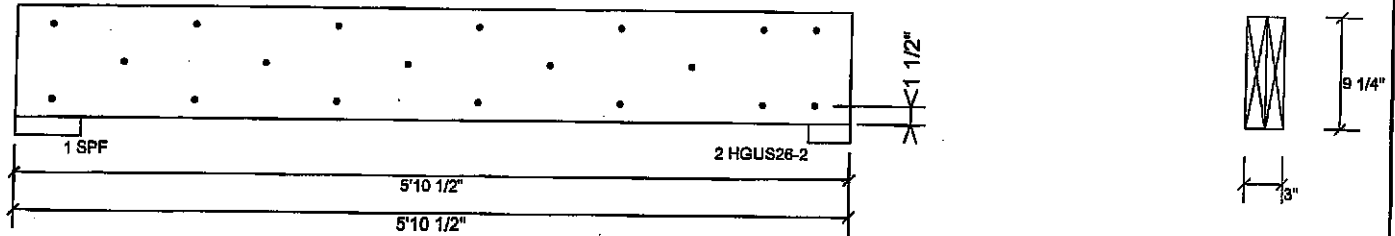
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

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BM5 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	47.7 %
Load	162.1 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	g
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 11905471
STRUCTURAL
COMPONENT ONLY

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC ALMA LUMBER GROUP

This design is valid until 12/11/2021





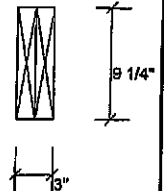
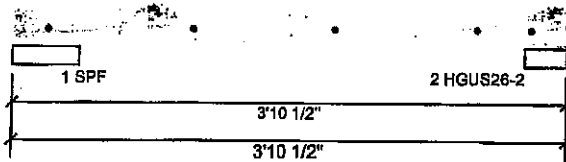
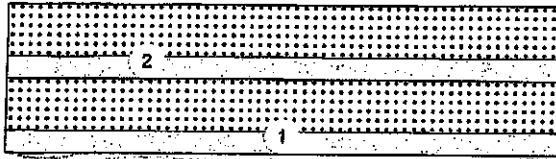
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Client:
Project:
Address:Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 11 of 12

BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Floor (Residential)
Plies:	2	Design Method:	LSD
Moisture Condition:	Dry	Building Code:	NBCC 2015 / OBC 2012
Deflection LL:	360	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal	Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

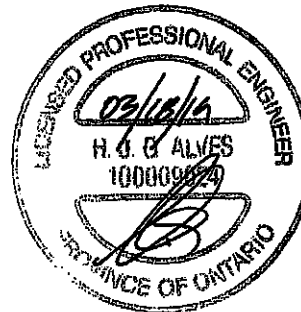
Brg	Live	Dead	Snow	Wind
1	0	165	381	0
2	0	152	350	0

Bearings and Factored Reactions

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.600"	8%	207 / 572	779 L		1.25D+1.5S
2 - HGUS...	3.500"	11%	190 / 525	715 L		1.25D+1.5S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	509 ft-lb	2' 1/4"	6039 ft-lb	0.084 (8%)	1.25D+1.5S	L
Unbraced	509 ft-lb	2' 1/4"	5726 ft-lb	0.089 (9%)	1.25D+1.5S	L
Shear	826 lb	1'2"	3984 lb	0.157 (16%)	1.25D+1.5S	L
Perm Defl in.	0.001 (L/51772)	2' 1/4"	0.108 (L/360)	0.010 (1%)	D	Uniform
LL Defl inch	0.002 (L/22435)	2' 1/4"	0.108 (L/360)	0.020 (2%)	S	L
TL Defl inch	0.002 (L/15652)	2' 1/4"	0.108 (L/360)	0.020 (2%)	D+S	L

**Design Notes**

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

DWG NO. TAM 11905472
STRUCTURAL
COMPONENT ONLY

42

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		1-0-0	Far Face	13 PSF	0 PSF	30 PSF	0 PSF	
2	Uniform		5-3-8	Near Face	13 PSF	0 PSF	30 PSF	0 PSF	

Manufacturer InfoTamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115

This design is valid until 12/11/2021





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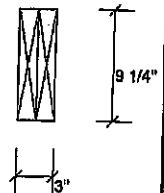
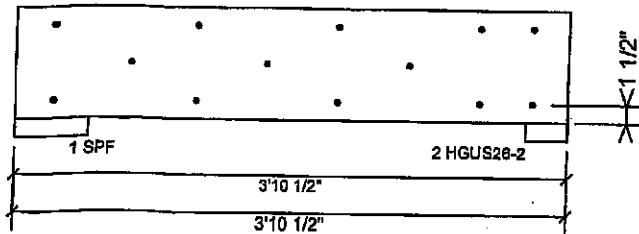
Client:
Project:
Address:

Date: 3/18/2019
Designer:
Job Name: 401794
Project #:

Page 12 of 12

BM6 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

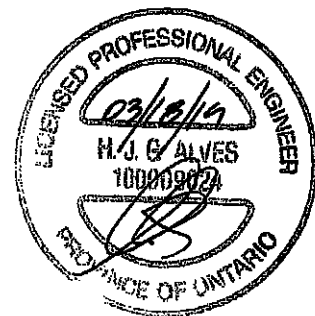
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	47.7 %
Load	182.1 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S
Duration Factor	1.00



DWG NO. TAM 11905472
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info	Tamarack Roof Trusses 3255 North Service Road, ON L7N 3G2 905-335-1115
	TAMARACK LUMBER INC ALMA LUMBER GROUP

This design is valid until 12/11/2021



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.

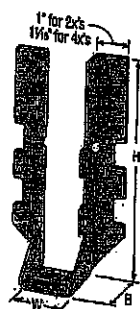
Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

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. 128.



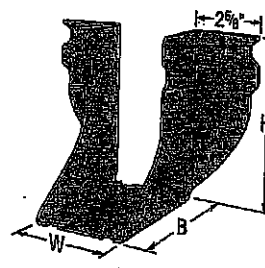
✓ LUS26



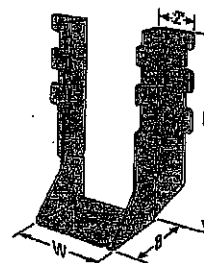
LU26L



✓ HUS210
(HUS26, HUS28, and HHUS similar)



✓ HGUS28-2



✓ HHUS210-2



Double-Shear Nailing Top View

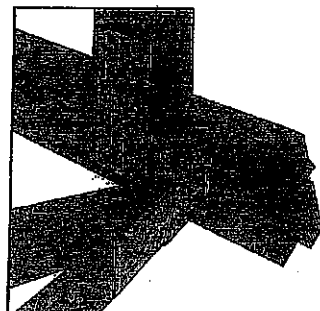


Double-Shear Nailing Side View; Do not bend tab



Dome Double-Shear Nailing Side View (available on some models)
U.S. Patent 5,803,580

Typical HUS26 Installation with Reduced Heel Height (Truss Designer to provide fastener quantity for connecting multiple members together)



LJS26DS

Plated Truss Connectors

LUL/LUS/LJS/HUS/HHUS/HGUS**HHUS/HGUS**

See Hanger Options Information on pp. 125–127.

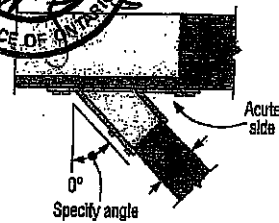
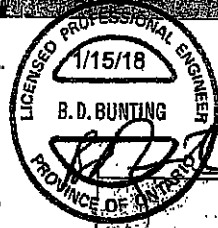
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
$W < 2"$	Bevel or square cut	0.82 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 ₀ ³	Header	Joist	Down		Uplift	
								lb.	lb.	lb.	lb.
Single 2x Sizes											
LUS24	18	1 1/8	3 1/4	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1155
										2.87	5.74
LU24L	22	1 1/8	3	1 1/4	2 1/8	(4) 10d	(2) 10d x 1 1/2"	380	1020	320	725
										1.42	3.22
LU28L	22	1 1/8	5	1 1/4	4 1/4	(8) 10d	(4) 10d x 1 1/2"	720	1605	645	1140
										2.87	5.07
LUS26	18	1 1/8	4 1/4	1 1/4	3 3/4	(4) 10d	(4) 10d	1420	2170	1290	1630
										5.74	7.95
HUS26	16	1 1/8	5 1/4	3	3 7/8	(14) 16d	(6) 16d	2705	4940	2065	3875
										9.29	17.64
LUS26DS	18	1 1/8	5	3 1/4	4 1/4	(18) 10d	(6) 16d	2065	4265	1460	4115
										6.49	16.31
HGUS26	12	1 1/8	5 1/4	5	4 1/4	(28) 16d	(8) 16d	2885	6625	2885	5700
										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
										4.54	6.86
LUS28	18	1 1/8	6 1/4	1 1/4	3 3/4	(6) 10d	(4) 10d	1420	2520	1290	1790
										5.74	7.96
HUS28	16	1 1/8	7 1/4	3	6 1/8	(22) 16d	(8) 16d	3605	5365	2875	4345
										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	30.73
LU210L	20	1 1/8	8	1 1/4	7 1/4	(10) 10d	(8) 10d x 1 1/2"	1140	2495	1020	1770
										4.54	7.87
LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210
										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. d₀ 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 1/4" long. See pp. 27–28 for other nail sizes and information.

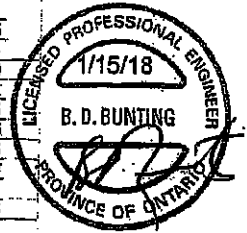
Face-Mount Hangers

SIMPSON
Strong-Tie

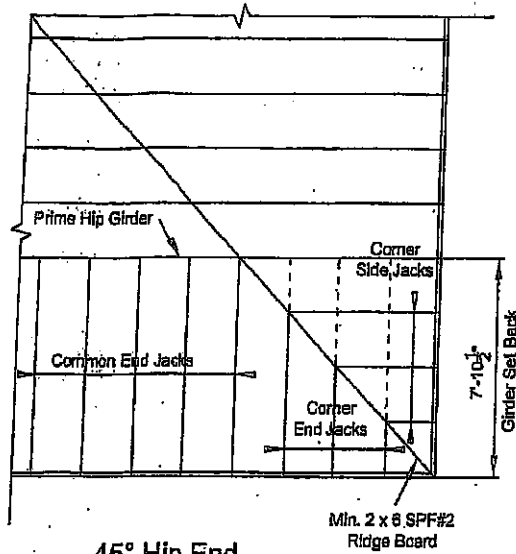
These products are available with additional corrosion protection. For more information, see p. 24.

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	Header	Joist	S-P-F		Upfit (K _g = 1.15) lb.	Normal (K _g = 1.00) lb.		
								lb.	lb.				
												kN	kN
Double 2x Sizes													
LUS24-2	18	3 1/8	3 1/8	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435		
LUS26-2	18	3 1/8	4 1/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920		
HHUS26-2	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2065	5205		
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
LUS28-2	18	3 1/8	7 1/8	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575		
HHUS28-2	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2875	6345		
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(30) 16d	(12) 16d	6070	12980	4310	9215		
LUS210-2	18	3 1/8	9 1/8	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195		
HHUS210-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000		
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
Triple 2x Sizes													
HGUS28-3	12	4 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
HGUS28-3	12	4 1/8	7 1/8	4	6 1/8	(35) 16d	(12) 16d	6070	12980	4310	9215		
HHUS210-3	14	4 1/8	9 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865		
HGUS210-3	12	4 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
Quadruple 2x Sizes													
HGUS28-4	12	6 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(35) 16d	(12) 16d	6070	12980	4310	9215		
HHUS210-4	14	6 1/8	9 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210		
HGUS210-4	12	6 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
HGUS212-4	12	6 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
HGUS214-4	12	8 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645		
4x Sizes													
LUS48	18	3 1/8	4 1/8	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920		
HHUS48	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2540	7335	2065	5205		
HGUS48	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
LUS48	18	3 1/8	6 1/8	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2575		
HHUS48	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2875	6345		
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
LUS410	18	3 1/8	8 1/8	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195		
HGUS410	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
HGUS412	12	3 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
HGUS414	12	3 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645		



Plated Truss Connectors



45° Hip End

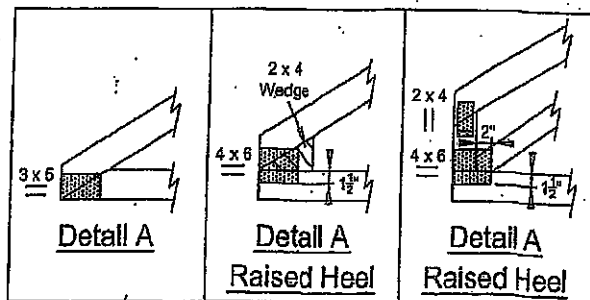
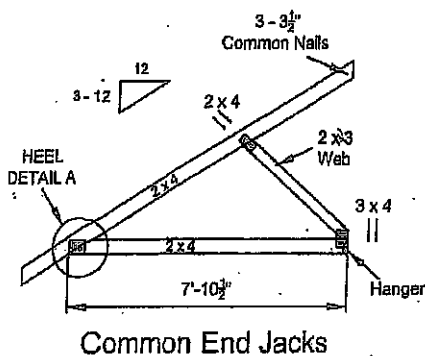
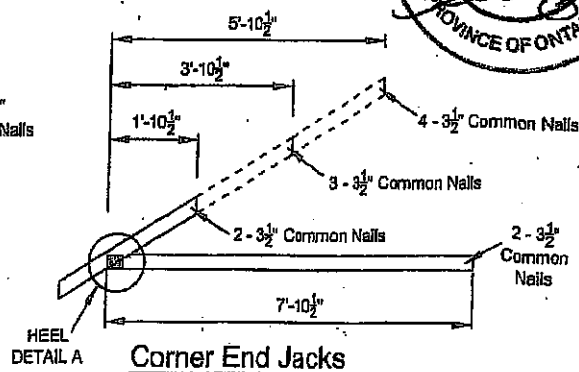
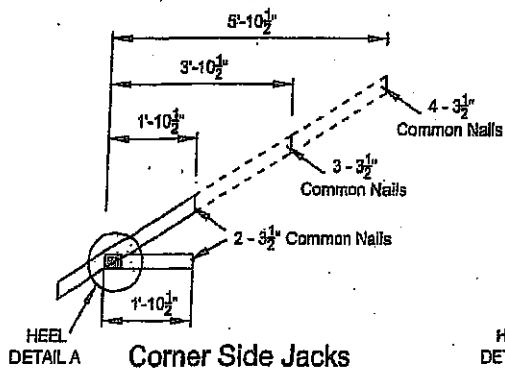
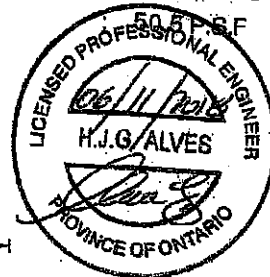
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

DESIGN LOAD

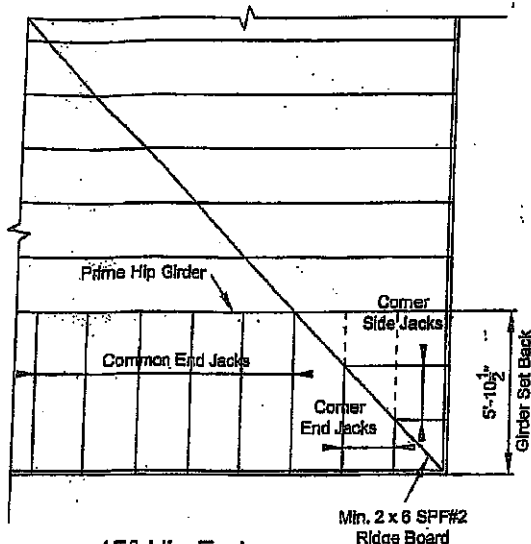
TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800217



45° Hip End

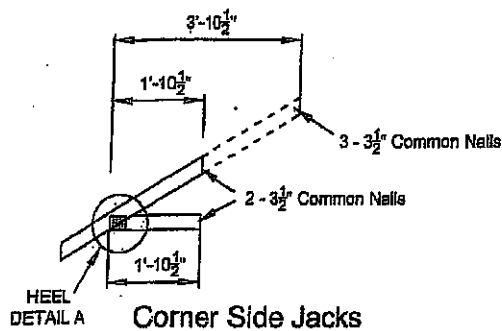
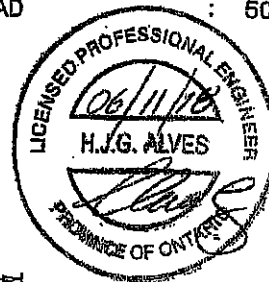
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

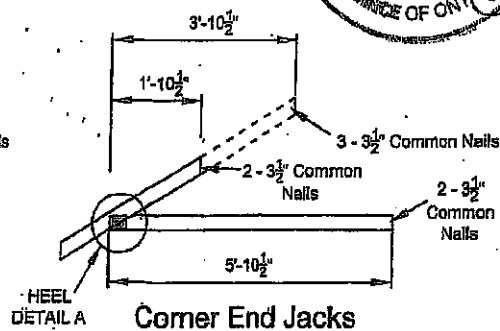
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

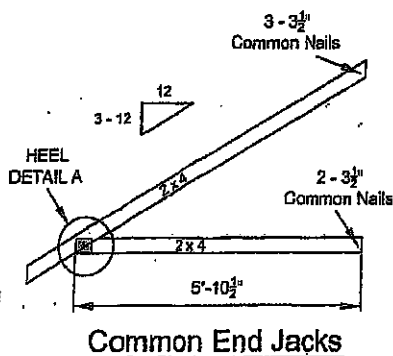
TOTAL LOAD : 50.5 P.S.F



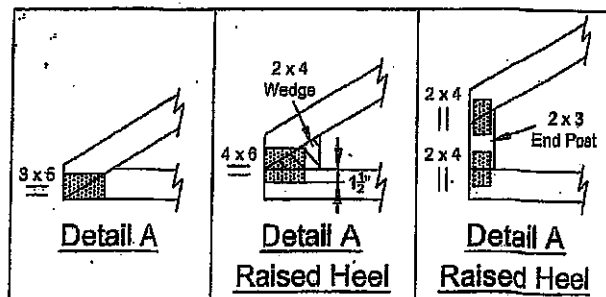
Corner Side Jacks



Corner End Jacks



Common End Jacks

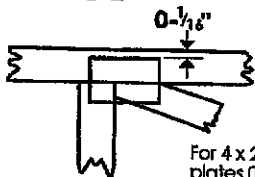
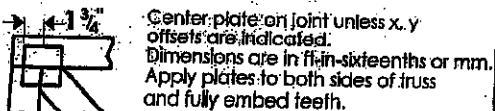


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800216

Symbols

PLATE LOCATION AND ORIENTATION



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

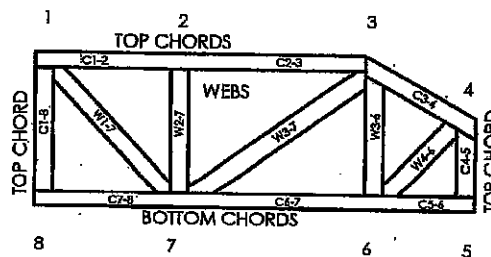


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate-Connected Wood Trusses
DSB-89: Design Standard for Bracing
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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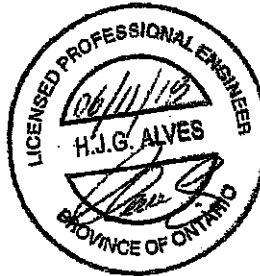
MiTek
POWER TO PERFORM.™

MiTek Engineering Reference Sheet: MII-7473C rev. 10-08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSL.
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-1900218

Feb 09, 2018