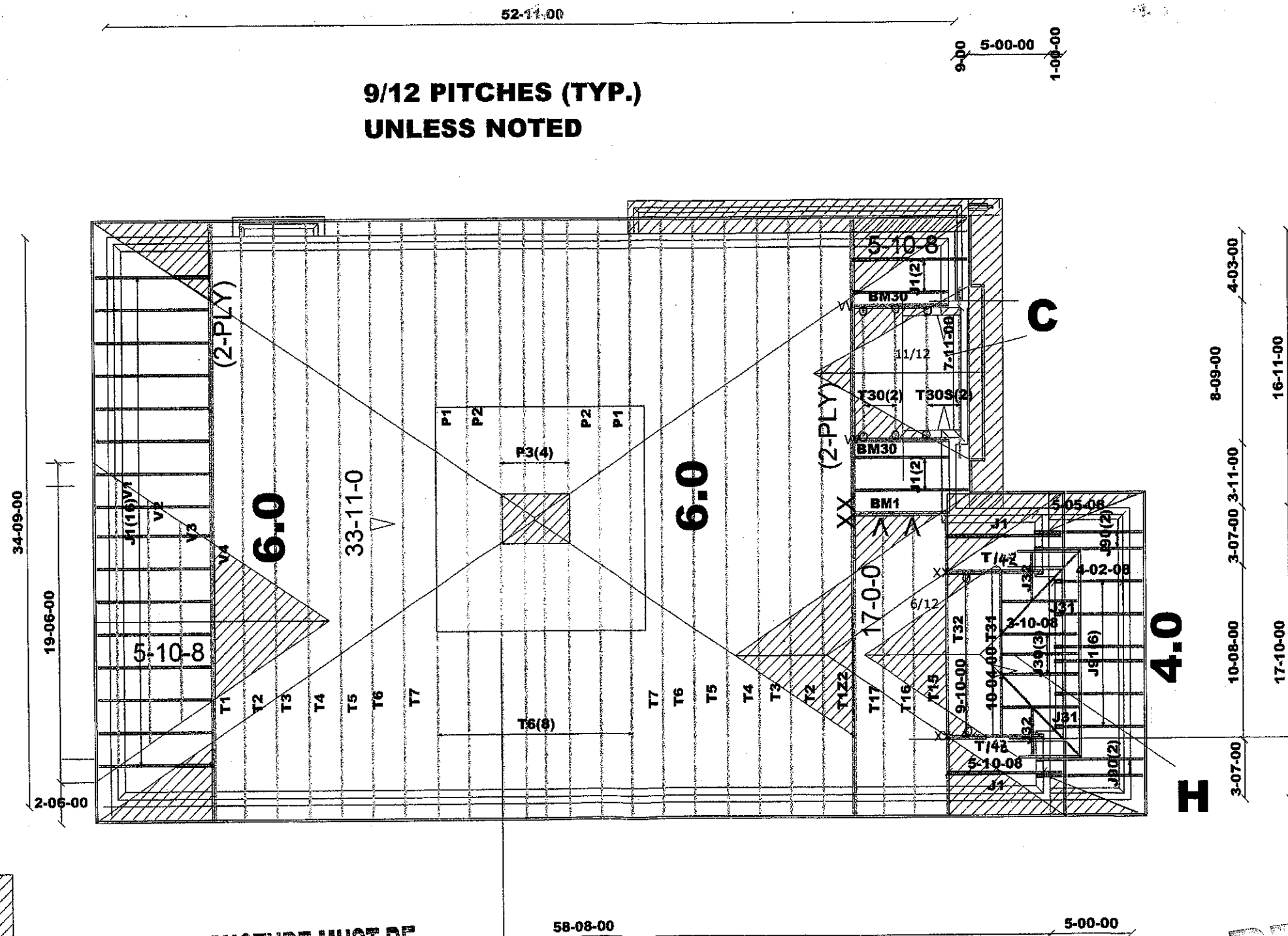


GS LOAD	37.6 PSF
TC DEAD	6 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF



RECEIVED
AUG 30 2013
TOWN OF SALMON
FILING SECTION



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: WOODCROFT 4
 Lot #: Lot 56
 Elevation: 3 - REAR UPGRADE

Job Track: 50033
 PlanLog: 200035
 Layout ID: 400226
 Ref #: 10910
 Page: 1 of 3
 Date: 05/03/2019
 Designer:
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Hip Girder	9/12	33-11-00	4-01-08	2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	384.92 236.00		
	1 2-ply	T1Z2 Hip Girder	9/12	33-11-00	4-01-08	2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	384.92 236.00		
	2	T2 Hip	9/12	33-11-00	5-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	273.38 172.33		
	2	T3 Hip	9/12	33-11-00	6-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	297.24 188.67		
	2	T4 Hip	9/12	33-11-00	7-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	302.46 192.33		
	2	T5 Hip	9/12	33-11-00	8-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	319.06 204.00		
	10	T6 Hip	9/12	33-11-00	9-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	1620 998.33		
	2	T7 Hip	9/12	33-11-00	10-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	337.36 211.33		
	1	T15 Hip Girder	9/12	17-00-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	82.54 54.67		
	1	T16 Hip	9/12	17-00-00	5-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	72.36 46.67		
	1	T17 Hip	9/12	17-00-00	6-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	77.65 51.33		
	2	T30S Scissor	11/12 6/12	7-11-00	5-04-10	2 x 4		1-09-01 1-09-01	68.81 45.67		
	2	T30 Common	11/12	7-11-00	5-04-10	2 x 4		1-09-01 1-09-01	69.92 45.00		
	1	T31 Hip Girder	9/12	10-04-00	4-02-14	2 x 4		1-04-00 1-04-00	42.31 27.67		

TOWN OF CALEDON
 BUILDING SECTION
 FILE NO.



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: WOODCROFT 4
 Lot #: Lot 56
 Elevation: 3 - REAR UPGRADE

Job Track: 50033
 PlanLog: 200035
 Layout ID: 400226
 Ref #: 10910
 Page: 2 of 3
 Date: 05/03/2019
 Designer:
 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	T32 Common	9/12	9-10-00	6-08-08	2 x 4		3-00-04 3-00-04	45.03 29.50		
	2 2-ply	T142 Flat Girder	0/12	5-10-08	1-06-00	2 x 6		1-06-00 1-06-00	108.38 67.33		
	1	V1 Valley	9/12	17-05-05	6-06-08	2 x 4			53.14 32.67		
	1	V2 Valley	9/12	14-09-05	5-06-08	2 x 4			40.66 24.50		
	1	V3 Valley	9/12	12-01-05	4-06-08	2 x 4			33 21.33		
	1	V4 Valley	9/12	9-05-05	3-06-08	2 x 4			25.35 16.17		
	2	P1 Piggyback	9/12	13-08-05	2-00-00	2 x 4			68.71 46.00		
	2	P2 Piggyback	9/12	13-08-05	3-00-00	2 x 4			80.76 50.67		
	4	P3 Piggyback	9/12	13-08-05	4-00-00	2 x 4			166.02 108.67		
	22	J1 Jack-Open	6/12	5-10-08	4-01-04	2 x 4	1-05-00	1-02-00 4-01-04	372.99 234.67		
	3	J30 Jack-Open	9/12	3-10-08	4-02-14	2 x 4	1-00-08	1-04-00 4-02-14	42.11 27.00		
	2	J31 Jack-Open	9/12	1-09-07	2-08-01	2 x 4	1-00-08 2-01-01	1-04-00 2-08-01	21.87 14.00		
	2	J32 Jack-Open	9/12	1-09-07	2-08-01	2 x 4	1-00-08 1-01	1-04-00 2-08-01	17.31 11.33		
	4	J90 Jack-Open	4/12	5-05-08	2-06-11	2 x 4	1-03-08	3-15 2-01-12	57.79 37.33		

DELIVERY SHIPLIST		
 TAMARACK LUMBER INC. ALPA LUMBER GROUP	Lumber Yard: TAMARACK LUMBER Builder: GREEN PARK HOMES Project: LAMBERT LANE PH.2 Location: CALEDON Model: WOODCROFT 4 Lot #: Lot 56 Elevation: 3 - REAR UPGRADE	Job Track: 50033 PlanLog: 200035 Layout ID: 400226 Ref #: 10910 Page: 3 of 3 Date: 05/03/2019 Designer: Sales Rep: Mario DiCano

Roof Trusses

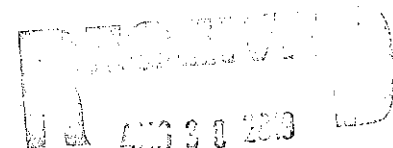
PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	6	J91 Jack-Open	4 /12	4-02-08	2-01-11	2 x 4	1-03-08	3-15 1-08-12	69.12 44.00		

TOTAL # TRUSS= 88 TOTAL BFT OF ALL TRUSSES= 3475.17 BFT. TOTAL WEIGHT OF ALL TRSSES 5535.15 LBS

HARDWARE

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

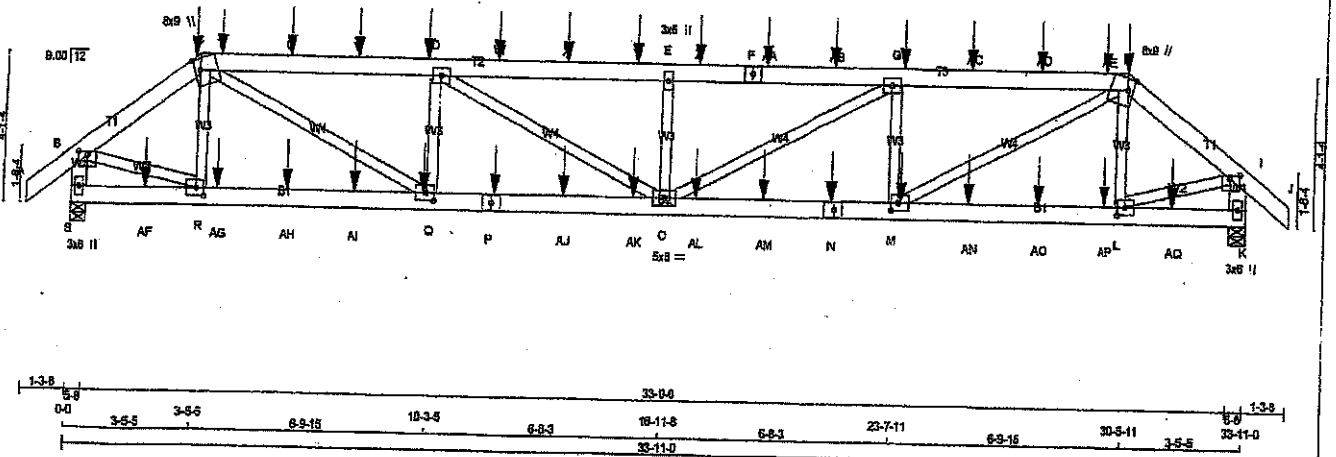
TOTAL NUMBER OF ITEMS= 15



TOWN OF CALEDON
BUILDING SECTION
FILE NO _____

JOB NAME 200035-400060	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.280 S Nov 17 2018 MITek Industries, Inc. Wed May 8 09:28:02 2018 Page 1
 ID:KWb_f3EPzfd4ghHGKsnQyBkFV-HqF8IC2HuBXbVU0vR0AU9T0uAJUghBCldpdcjcsR
 1-3-8 0-0 3-5-5 3-5-5 4-0-12 6-0-12 4-2-9 10-3-5 8-8-3 18-11-8 8-8-3 23-7-11 4-2-9 27-10-4 29-10-4 30-5-11 33-11-0 35-0-8
 Scale = 1:57.6



CHORDS	SIZE	LUMBER	DESCR.
A - C	2x6	DRY No.2	SPF
C - F	2x6	DRY No.2	SPF
F - H	2x6	DRY No.2	SPF
H - J	2x6	DRY No.2	SPF
J - L	2x6	DRY No.2	SPF
L - P	2x6	DRY 1650F 1.5E	SPF
P - N	2x6	DRY 1650F 1.5E	SPF
N - K	2x6	DRY 1650F 1.5E	SPF

ALL WEBS 2x4 DRY No.2 SPF
 EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122'x3') SPIRAL NAILS		
A-C 2	12	SIDE (122.0)
C-F 2	12	SIDE (183.1)
F-H 2	12	SIDE (183.1)
H-J 2	12	SIDE (122.0)
J-L 2	12	TOP
L-P 2	12	TOP
P-N 2	12	SIDE (183.1)
N-K 2	12	SIDE (183.1)
WEBS : (0.122'x3') SPIRAL NAILS		
2x4 1	8	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWVp	MT20	5.0	6.0	1.25	3.25
C TTWV+m	MT20	8.0	9.0	3.75	2.00
D TAWWt	MT20	5.0	6.0		
E TMWVp	MT20	5.0	6.0		
F TS-1	MT20	5.0	6.0		
G TAWWt	MT20	5.0	6.0		
H TTWV+m	MT20	8.0	9.0	3.75	2.00
I TMWVp	MT20	5.0	6.0	1.25	3.25
L BMWVt	MT20	5.0	6.0		
M BMWVt	MT20	5.0	6.0	2.50	2.75
N SS-1	MT20	5.0	6.0		
O BMWVt	MT20	5.0	6.0		
P SS-1	MT20	5.0	6.0		
Q BMWVt	MT20	5.0	6.0	2.50	2.50
R BMWVt	MT20	5.0	6.0	2.50	2.75
S BMV1p	MT20	3.0	6.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
S	4142	0	4142	0	5-8	5-8
K	4142	0	4142	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX/MIN COMPONENT REACTIONS		WIND DEAD SOIL	PERM LIVE
	SNOW	LIVE	SNOW	LIVE		
S	3086	1734/0	596/0	0/0	0/0	758/0
K	3086	1734/0	596/0	0/0	0/0	758/0

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

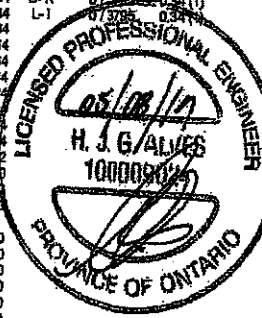
BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.64 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
A-B	0/44	-102.1	-102.1	0.04 (1)	10.00	R-C	-801/27	0.05 (1)
B-C	-4587/0	-102.1	-102.1	0.08 (1)	6.32	C-D	0/1508	0.45 (1)
C-T	-8110/0	-102.1	-102.1	0.40 (1)	3.94	D-E	-1852/0	0.17 (1)
T-U	-8110/0	-102.1	-102.1	0.40 (1)	3.94	E-F	0/1539	0.14 (1)
U-V	-8110/0	-102.1	-102.1	0.40 (1)	3.94	F-G	-1027/0	0.09 (1)
V-D	-8110/0	-102.1	-102.1	0.40 (1)	3.94	G-H	0/1539	0.14 (1)
D-W	-9481/0	-102.1	-102.1	0.44 (1)	3.84	H-G	-1852/0	0.17 (1)
W-X	-9481/0	-102.1	-102.1	0.44 (1)	3.84	M-H	0/2089	0.45 (1)
X-Y	-9481/0	-102.1	-102.1	0.44 (1)	3.84	L-H	-601/27	0.05 (1)
Y-E	-9481/0	-102.1	-102.1	0.44 (1)	3.84	B-R	0/1325	0.34 (1)
E-Z	-9481/0	-102.1	-102.1	0.44 (1)	3.84	L-I	0/3705	0.35 (1)
Z-F	-9481/0	-102.1	-102.1	0.44 (1)	3.84			
F-AA	-9481/0	-102.1	-102.1	0.44 (1)	3.84			
AA-AB	-9481/0	-102.1	-102.1	0.44 (1)	3.84			
AB-G	-9481/0	-102.1	-102.1	0.44 (1)	3.84			
G-AC	-8110/0	-102.1	-102.1	0.40 (1)	3.94			
AC-AD	-8110/0	-102.1	-102.1	0.40 (1)	3.94			
AD-AE	-8110/0	-102.1	-102.1	0.40 (1)	3.94			
AE-H	-8110/0	-102.1	-102.1	0.40 (1)	3.94			
H-I	-4587/0	-102.1	-102.1	0.08 (1)	6.32			
I-J	0/44	-102.1	-102.1	0.04 (1)	10.00			
S-B	-4117/0	0.0	0.0	0.15 (1)	7.00			
K-I	-4117/0	0.0	0.0	0.15 (1)	7.00			



WG NO. TAM7910812
 STRUCTURAL
 COMPONENT ONLY

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 = 28.1 PSF
 DL = 6.0 PSF
 BOT CH. LL = 10.5 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN./C/C

LOADING BY PLAT 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 NBCC 2010, NBC 2012
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.13")
 CALCULATED VERT. DEFL.(LL) = L/989 (0.22")
 ALLOWABLE DEFL.(TL) = L/360 (1.13")
 CALCULATED VERT. DEFL.(TL) = L/989 (0.36")

CSI: TC=0.44/1.00 (E-G-1), BC=0.40/1.00 (M-C-1),
 WB=0.45/1.00 (H-M-1), SS=0.19/1.00 (G-H-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg

JSI GRIP= 0.88 (Q) (INPUT = 0.90)

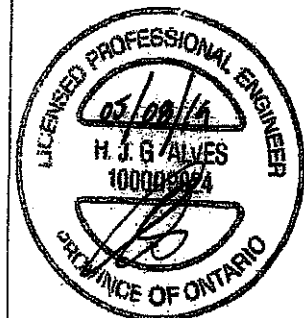
JSI METAL= 0.77 (P) (INPUT = 1.00)

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED LCI MAX (LBS)	MAX. MEMB. FORCE (LBS)	MAX. FACTORED UNBRAC LCI MAX (LBS)	MAX. MEMB. FORCE (LBS)	MAX. FACTORED UNBRAC LCI MAX (LBS)
FR-TO		FROM	TO				
AO-AP	0/3831	-38.5	-38.5 0.21 (1)	10.00			
AP-L	0/3831	-38.5	-38.5 0.21 (1)	10.00			
L-AQ	0/0	-38.5	-38.5 0.07 (2)	10.00			
AQ-K	0/0	-38.5	-38.5 0.07 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LCI	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	3-5-5	-44	-49	FRONT	VERT	DEAD		
C	3-5-5	-248	-248	FRONT	VERT	SNOW		
D	10-0-12	-123	-123	FRONT	VERT	TOTAL		
G	23-10-4	-123	-123	FRONT	VERT	TOTAL		
H	30-5-11	-44	-49	FRONT	VERT	DEAD		
H	30-5-11	-248	-248	FRONT	VERT	SNOW		
M	23-10-4	-55	-70	FRONT	VERT	TOTAL		
N	21-10-4	-55	-70	FRONT	VERT	TOTAL		
P	12-0-12	-55	-70	FRONT	VERT	TOTAL		
Q	10-0-12	-55	-70	FRONT	VERT	TOTAL		
T	4-0-12	-142	-142	FRONT	VERT	TOTAL		
U	6-0-12	-123	-123	FRONT	VERT	TOTAL		
V	8-0-12	-123	-123	FRONT	VERT	TOTAL		
W	12-0-12	-123	-123	FRONT	VERT	TOTAL		
X	14-0-12	-123	-123	FRONT	VERT	TOTAL		
Y	16-0-12	-123	-123	FRONT	VERT	TOTAL		
Z	17-10-4	-123	-123	FRONT	VERT	TOTAL		
AA	19-10-4	-123	-123	FRONT	VERT	TOTAL		
AB	21-10-4	-123	-123	FRONT	VERT	TOTAL		
AC	25-10-4	-123	-123	FRONT	VERT	TOTAL		
AD	27-10-4	-123	-123	FRONT	VERT	TOTAL		
AE	29-10-4	-142	-142	FRONT	VERT	TOTAL		
AF	2-0-12	-55	-70	FRONT	VERT	TOTAL		
AG	4-0-12	-55	-70	FRONT	VERT	TOTAL		
AH	6-0-12	-55	-70	FRONT	VERT	TOTAL		
AI	8-0-12	-55	-70	FRONT	VERT	TOTAL		
AJ	14-0-12	-55	-70	FRONT	VERT	TOTAL		
AK	16-0-12	-55	-70	FRONT	VERT	TOTAL		
AL	17-10-4	-55	-70	FRONT	VERT	TOTAL		
AM	19-10-4	-55	-70	FRONT	VERT	TOTAL		
AN	25-10-4	-55	-70	FRONT	VERT	TOTAL		
AO	27-10-4	-55	-70	FRONT	VERT	TOTAL		
AP	29-10-4	-55	-70	FRONT	VERT	TOTAL		
AQ	31-10-4	-55	-70	FRONT	VERT	TOTAL		



DWG NO. TAM 1141 08/12
STRUCTURAL
COMPONENT ONLY 3/2

[illegible]

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-I	MT20	6.0	9.0		
C	TTWW-m	MT20	8.0	9.0	3.25	2.00
D	TMWW-I	MT20	5.0	6.0	2.50	2.75
E	TMWW-w	MT20	3.0	6.0		
F	TS-I	MT20	5.0	6.0		
G	TMWW-I	MT20	5.0	8.0	2.50	2.75
H	TTWW-m	MT20	8.0	9.0	3.25	2.00
I	TMWW-I	MT20	6.0	9.0		
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-I	MT20	5.0	8.0	2.50	3.00
M	BMWW-I	MT20	5.0	8.0	2.50	3.25
N	BS-I	MI16	5.0	12.5		
O	BMWW-I	MT20	7.0	12.0	4.25	6.00
P	BS-I	MI16	6.0	12.5		
Q	BMWW-I	MT20	5.0	8.0	2.50	3.25
R	BMWW-I	MT20	5.0	8.0	2.50	3.00
S	BMV1+p	MT20	3.0	6.0		

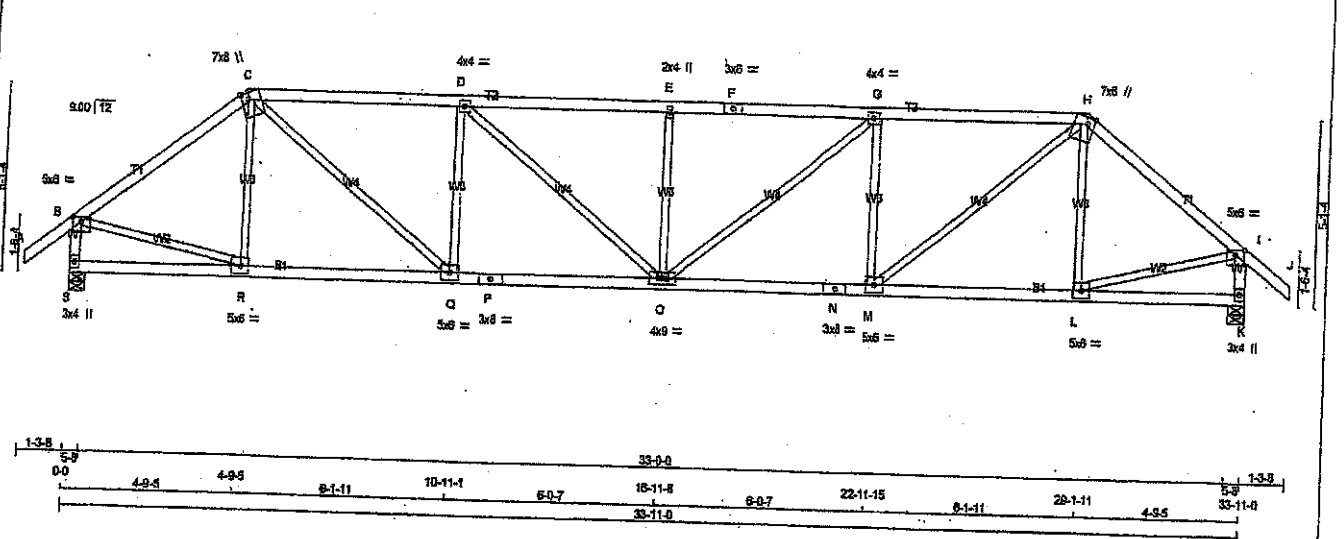
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Y	12-3-8	-1259	-1259	-	BACK	VERT	TOTAL	-	-
Z	13-4-4	-55	-70	-	BACK	VERT	TOTAL	-	-
AA	15-4-4	-55	-70	-	BACK	VERT	TOTAL	-	-



DWG NO. TAM T1911528
STRUCTURAL
COMPONENT ONLY 2/2

JOB NAME 200035-400060 Tamarack Roof Truss, Burlington	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Version 8.230 8 Nov 17 2016 Mitek Industries, Inc. Wed May 8 09:28:04 2016 Page 1
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 22-11-16 6-0-7 16-11-8 6-0-7 22-11-16 6-1-11 20-1-11 4-9-5 33-11-0 1-3-8
 Scale = 1/57.8



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMWV-p	MT20	6.0	8.0	1.50 3.00
C TTWW-m	MT20	7.0	8.0	Edge 2.50
D TMWV-t	MT20	4.0	4.0	
E TMW-w	MT20	2.0	4.0	
F TS-t	MT20	3.0	8.0	
G TMWV-t	MT20	4.0	4.0	
H TTWW-m	MT20	7.0	8.0	Edge 2.50
I TMWV-p	MT20	6.0	8.0	1.50 3.00
K BMV1-p	MT20	3.0	4.0	
L M, Q, R				
L BMWV-t	MT20	5.0	8.0	
N BS-t	MT20	3.0	8.0	
O BMWV-t	MT20	4.0	8.0	
P BS-t	MT20	3.0	8.0	
S 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		REQ'D	
GROSS REACTION	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX
JT VERT	HORZ						
S 2170	0	2170	0	0	5-8	5-8	5-8
K 2170	0	2170	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

WIND, SNOW, COMPONENT REACTIONS							
JT.	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1523	1065 / 0	0 / 0	0 / 0	0 / 0	457 / 0	0 / 0
K	1523	1065 / 0	0 / 0	0 / 0	0 / 0	457 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.78 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)	CS (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0 / 42	-102.1	-102.1 0.14 (1)	10.00	R-C	-321 / 0	0.12 (1)
B-C	-2198 / 0	-102.1	-102.1 0.55 (1)	4.03	C-Q	0 / 1854	0.42 (1)
C-D	-3210 / 0	-102.1	-102.1 0.89 (1)	3.03	Q-D	-1087 / 0	0.40 (1)
D-E	-3633 / 0	-102.1	-102.1 0.88 (1)	2.79	D-O	0 / 540	0.12 (1)
E-F	-3633 / 0	-102.1	-102.1 0.88 (1)	2.79	O-E	-589 / 0	0.22 (1)
F-G	-3633 / 0	-102.1	-102.1 0.86 (1)	2.79	O-G	0 / 540	0.12 (1)
G-H	-3210 / 0	-102.1	-102.1 0.89 (1)	3.03	M-G	-1037 / 0	0.40 (1)
H-I	-2198 / 0	-102.1	-102.1 0.55 (1)	4.03	M-H	0 / 1854	0.42 (1)
I-J	0 / 42	-102.1	-102.1 0.14 (1)	10.00	L-H	-321 / 0	0.12 (1)
S-B	-2138 / 0	0.0	0.0 0.22 (1)	5.80	B-R	0 / 1808	0.41 (1)
K-I	-2138 / 0	0.0	0.0 0.22 (1)	5.80	L-I	0 / 1808	0.41 (1)
S-R	0 / 0	-17.5	-17.5 0.12 (4)	10.00			
R-Q	0 / 1749	-17.5	-17.5 0.35 (1)	10.00			
Q-P	0 / 3211	-17.5	-17.5 0.57 (1)	10.00			
P-O	0 / 3211	-17.5	-17.5 0.57 (1)	10.00			
O-N	0 / 3211	-17.5	-17.5 0.57 (1)	10.00			
N-M	0 / 3211	-17.5	-17.5 0.57 (1)	10.00			
M-L	0 / 1749	-17.5	-17.5 0.35 (1)	10.00			
L-K	0 / 0	-17.5	-17.5 0.12 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.1 PSF
 DL = 8.0 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, NBC 2018, NBC 2015

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

(55% OF 87.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (1.13")
 CALCULATED VERT. DEFL. (LL) = $L/999$ (0.21")
 ALLOWABLE DEFL. (TL) = $L/360$ (1.13")
 CALCULATED VERT. DEFL. (TL) = $L/999$ (0.37")

CS: TC=0.98/1.00 (D-E-I), BC=0.57/1.00 (O-Q-I), WS=0.42/1.00 (H-I-K), SS=0.28/1.00 (G-H-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

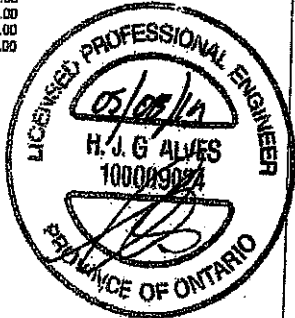
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP (DRY) SHEAR SECTION
 (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1057 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

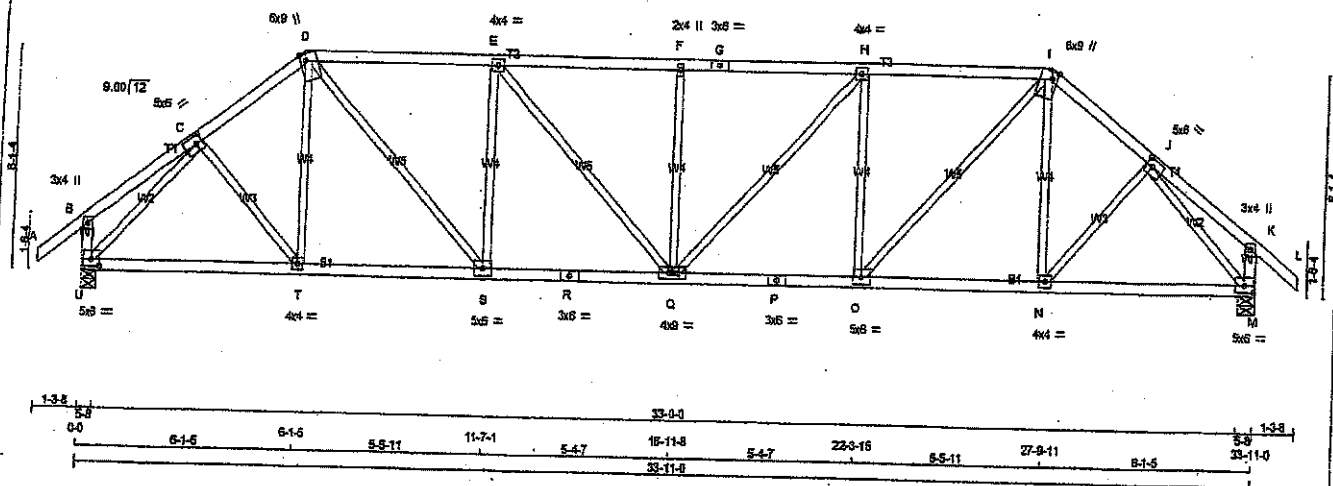
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.90 (R) (INPUT=0.90)
 JSI METAL=0.92 (N) (INPUT=1.00)



DRWG NO. TAM 19108/14
 STRUCTURAL
 COMPONENT ONLY

JOB NAME 200035-400060	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Wed May 8 08:28:05 2019 Page 1 ID:KWb_f3EPzfidMghHGKsnQyBkFV-hPXINE4AB6v9MxUJAz66nw75Am5Mduj2ID2zicsC	
Scale = 1/57.8					



CHORDS	SIZE	DRY	NO.2	SPF
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
I - L	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW+1	MT20	3.0	6.0	2.50	2.25
D	TMVW+m	MT20	6.0	6.0	Edge	2.00
E	TMVW+1	MT20	4.0	4.0		
F	TMVW+	MT20	2.0	4.0		
G	TS4	MT20	3.0	6.0		
H	TMVW+1	MT20	4.0	4.0		
I	TMVW+m	MT20	6.0	6.0	Edge	2.00
J	TMVW+1	MT20	5.0	6.0	2.50	2.25
K	TMV+p	MT20	3.0	4.0		
M	BMVW+1	MT20	5.0	6.0	2.25	3.00
N	BMVW+1	MT20	4.0	4.0		
O	BMVW+1	MT20	5.0	6.0		
P	BS+1	MT20	3.0	6.0		
Q	BMVW+1	MT20	4.0	6.0		
R	BS+1	MT20	3.0	6.0		
S	BMVW+1	MT20	5.0	6.0		
T	BMVW+1	MT20	4.0	4.0		
U	BMVW+1	MT20	5.0	6.0	2.25	3.00

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

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

FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	2170	0	5-8
U VERT	2170	0	5-8
M VERT	2170	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT COMBINED	1523	1065 / 0	0 / 0	0 / 0	0 / 0
U COMBINED	1523	1065 / 0	0 / 0	0 / 0	0 / 0
M COMBINED	1523	1065 / 0	0 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.39 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	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	CSF (LBS)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	CSF (LBS)	FR-TO	
A-B	0 / 42	-102.1 -102.1	0.14 (1)	C-T	0 / 207
B-C	0 / 18	-102.1 -102.1	0.12 (1)	D-T	-38 / 57
C-D	-2232 / 0	-102.1 -102.1	0.19 (1)	E-S	0 / 1391
D-E	-2721 / 0	-102.1 -102.1	0.62 (1)	F-Q	-823 / 0
E-F	-2988 / 0	-102.1 -102.1	0.65 (1)	G-Q	0 / 408
F-G	-2988 / 0	-102.1 -102.1	0.65 (1)	H-Q	-508 / 0
G-H	-2988 / 0	-102.1 -102.1	0.65 (1)	I-H	0 / 408
H-I	-2721 / 0	-102.1 -102.1	0.62 (1)	J-H	-823 / 0
I-J	-2232 / 0	-102.1 -102.1	0.19 (1)	K-H	0 / 1391
J-K	0 / 18	-102.1 -102.1	0.12 (1)	L-I	-38 / 57
K-L	0 / 42	-102.1 -102.1	0.14 (1)	M-I	0 / 207
L-B	-266 / 0	0.0 0.0	0.83 (1)	N-J	-2489 / 0
M-K	-266 / 0	0.0 0.0	0.03 (1)	O-J	-2489 / 0
U-T	0 / 1626	-17.5 -17.5	0.34 (1)	J-M	-2489 / 0
T-S	0 / 1788	-17.5 -17.5	0.37 (1)		
S-R	0 / 2721	-17.5 -17.5	0.48 (1)		
R-Q	0 / 2721	-17.5 -17.5	0.48 (1)		
Q-P	0 / 2721	-17.5 -17.5	0.48 (1)		
P-O	0 / 2721	-17.5 -17.5	0.48 (1)		
O-N	0 / 1788	-17.5 -17.5	0.37 (1)		
N-M	0 / 1626	-17.5 -17.5	0.34 (1)		

TOTAL WEIGHT = 2 X 149 = 297 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 42.0 PSF

SPACING = 34.0 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, CBC 2012
- CSA 085-09, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (1.13")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.16")
ALLOWABLE DEFL.(TL) = $L/360$ (1.13")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.28")

CSF TO=0.85/1.0 (E-F), BC=0.48/1.0 (C-S), WB=0.84/1.0 (C-U), SS=0.25/1.0 (D-E)

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

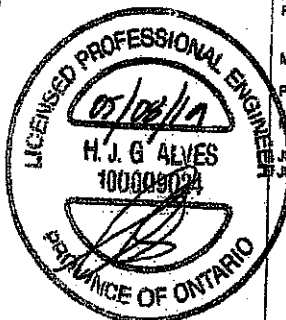
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES:
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 768 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

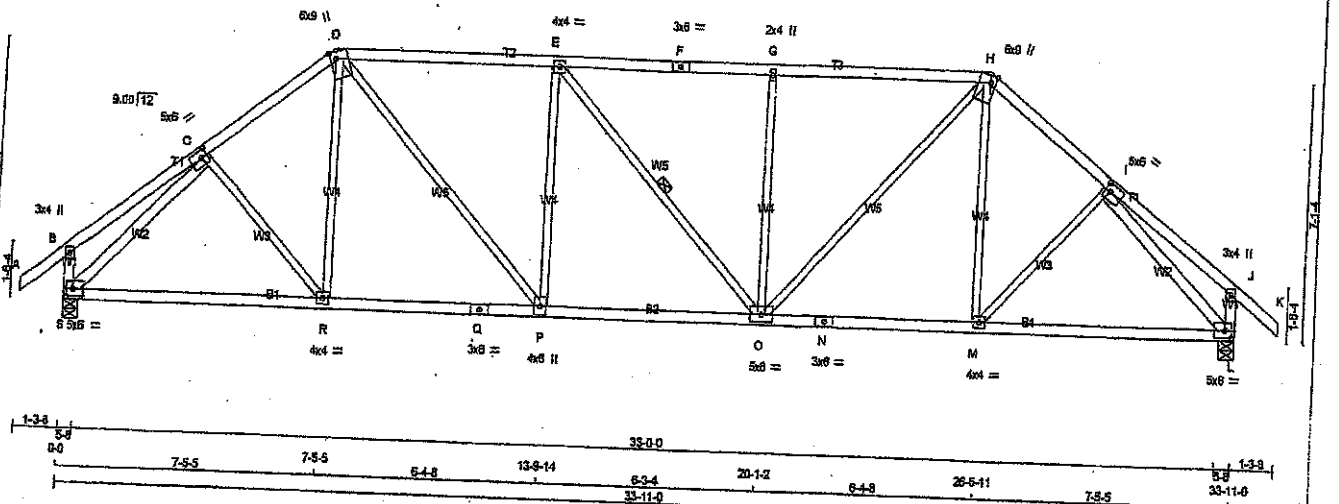
GRIP = 0.89 (4) (INPUT = 0.90)
METAL = 0.89 (7) (INPUT = 1.00)



DRWG NO. TAM 19/08/15
STRUCTURAL
COMPONENT ONLY

JOB NAME 200035-400060	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Wed May 8 09:28:08 2019 Page 1
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 1-3-4 0-0 3-9-15 3-9-15 3-7-7 7-5-5 6-4-8 13-9-14 6-3-4 20-1-2 6-4-8 26-5-11 3-7-7 30-1-1 3-9-15 33-11-0 35-2-8
 Scale = 1:57.5



LUMBER			
N. L. & A. RULES			
CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
S - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
S - Q	2x4	DRY	No.2
Q - N	2x4	DRY	No.2
N - L	2x4	DRY	No.2
ALL WEBS	2x4	DRY	No.2
EXCEPT			
S - C	2x4	DRY	No.2
I - L	2x4	DRY	No.2

DRY: SEASONED LUMBER

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+P	MT20	3.0	4.0	
C	TMVW+L	MT20	5.0	6.0	2.50 2.00
D	TTVW+m	MT20	6.0	9.0	Edge 2.00
E	TMVW+L	MT20	4.0	4.0	
F	TS-L	MT20	3.0	6.0	
G	TMV+P	MT20	2.0	4.0	
H	TTVW+m	MT20	6.0	9.0	Edge 2.00
I	TMVW+L	MT20	5.0	6.0	2.50 1.75
J	TMV+P	MT20	3.0	4.0	
K	BMVW+L	MT20	5.0	6.0	2.50 2.50
L	BMVW+L	MT20	4.0	4.0	
M	BS-L	MT20	3.0	6.0	
N	BMVW+L	MT20	5.0	6.0	
O	BS-L	MT20	4.0	6.0	
P	BMVW+L	MT20	3.0	6.0	
Q	BS-L	MT20	4.0	4.0	
R	BMVW+L	MT20	5.0	6.0	2.50 2.50

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	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
2526	0	2526	0	0	5-8	5-8	
2526	0	2526	0	0	5-8	5-8	

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD			
1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	457 / 0	0 / 0	0 / 0	0 / 0
1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	457 / 0	0 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.19 FT.
 MAX UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 42	-102.1 -102.1	0.14 (1)	10.00	C-R	0 / 188	0.04 (3)
B-C	0 / 24	-102.1 -102.1	0.21 (1)	10.00	R-D	0 / 275	0.07 (3)
C-D	-2816 / 0	-102.1 -102.1	0.32 (1)	4.00	D-P	0 / 258	0.29 (1)
D-E	-2840 / 0	-102.1 -102.1	0.87 (1)	3.19	E-O	-698 / 0	0.61 (1)
E-F	-2838 / 0	-102.1 -102.1	0.86 (1)	3.19	O-G	-698 / 0	0.61 (1)
F-G	-2838 / 0	-102.1 -102.1	0.86 (1)	3.19	G-H	-698 / 0	0.91 (1)
G-H	-2838 / 0	-102.1 -102.1	0.86 (1)	3.20	H-I	0 / 1287	0.29 (1)
H-I	-2816 / 0	-102.1 -102.1	0.32 (1)	4.00	I-J	0 / 275	0.07 (3)
I-J	0 / 24	-102.1 -102.1	0.21 (1)	10.00	J-K	0 / 188	0.04 (3)
J-K	0 / 42	-102.1 -102.1	0.14 (1)	10.00	K-L	-2886 / 0	0.98 (1)
K-L	-289 / 0	0.0 0.0	0.03 (1)	7.81	L-L	-2897 / 0	0.98 (1)
L-J	-289 / 0	0.0 0.0	0.03 (1)	7.81			
S-R	0 / 1875	-38.5 -38.5	0.63 (2)	10.00			
R-Q	0 / 2072	-38.5 -38.5	0.65 (2)	10.00			
Q-P	0 / 2072	-38.5 -38.5	0.65 (2)	10.00			
P-O	0 / 2940	-38.5 -38.5	0.81 (1)	10.00			
O-N	0 / 2072	-38.5 -38.5	0.65 (2)	10.00			
N-M	0 / 2072	-38.5 -38.5	0.65 (2)	10.00			
M-L	0 / 1876	-38.5 -38.5	0.63 (2)	10.00			

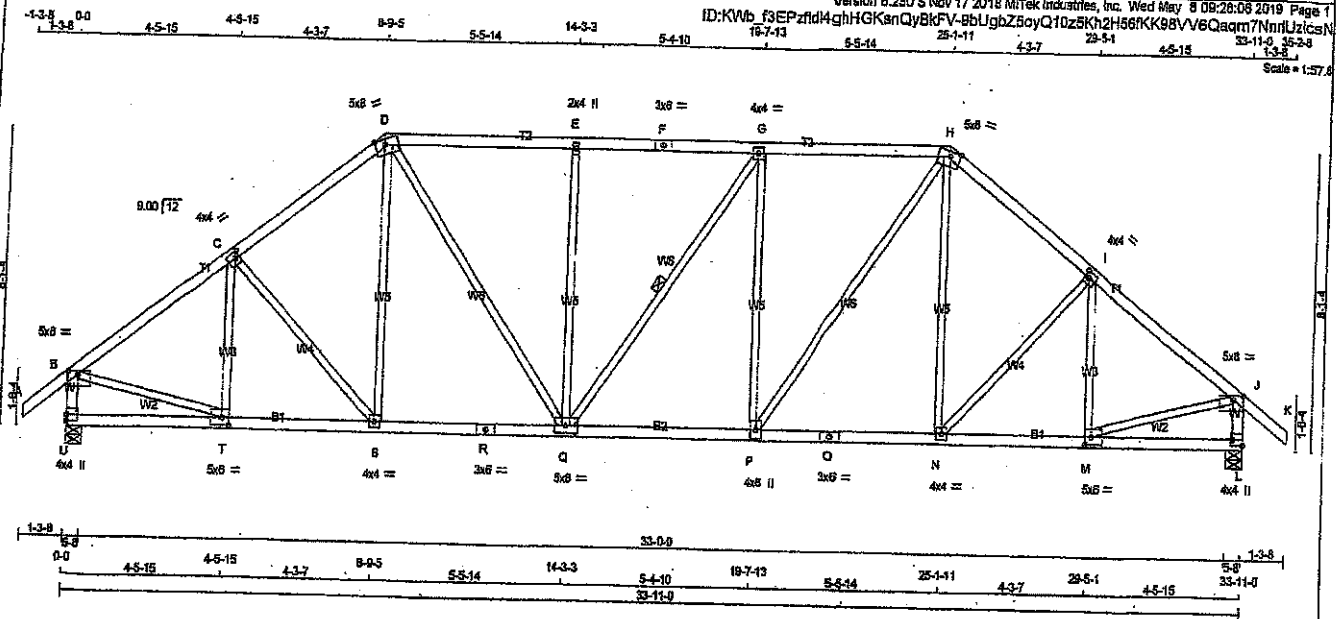
REGISTERED PROFESSIONAL

05/08/14

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
200035-400060	T5	2	1	GREEN PARK HOMES		

Timberack Roof Truss, Burlington

Version 8.280 S Nov 17 2018 Mittek Industries, Inc. Wed May 8 09:26:06 2019 Page 1
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33-11-0 35-3-3
Scale = 1:57.6



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

ALL WEBS	2x3	DRY	No.2	SPF
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EXCEPT

DRY: SEASONED LUMBER.

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	DOWN	HORZ	UP/LIFT	IN-SX	BRG	IN-SX
U	2528	0	2528	0	0	5-3	5-3	5-3	5-3
L	2528	0	2528	0	0	5-3	5-3	5-3	5-3

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	0 / 0
L	1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 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 G-Q.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEB S		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. CSI (LC)
FR-TO		PROM TO		FR-TO			
A-B	0 / 42	-102.1 -102.1 0.14 (1)	10.00	T-C	-380 / 0	0.13 (1)	
B-C	-2593 / 0	-102.1 -102.1 0.34 (1)	4.01	C-S	-145 / 0	0.10 (1)	
C-D	-2593 / 0	-102.1 -102.1 0.33 (1)	4.05	S-D	0 / 327	0.07 (2)	
D-E	-2570 / 0	-102.1 -102.1 0.44 (1)	3.89	D-Q	0 / 887	0.22 (1)	
E-F	-2571 / 0	-102.1 -102.1 0.41 (1)	3.94	Q-E	-598 / 0	0.76 (1)	
F-G	-2571 / 0	-102.1 -102.1 0.41 (1)	3.94	Q-G	-3 / 0	0.00 (1)	
G-H	-2572 / 0	-102.1 -102.1 0.44 (1)	3.89	P-G	-593 / 0	0.76 (1)	
H-I	-2535 / 0	-102.1 -102.1 0.33 (1)	4.05	P-H	0 / 980	0.22 (1)	
I-J	-2593 / 0	-102.1 -102.1 0.34 (1)	4.01	N-H	0 / 328	0.07 (2)	
J-K	0 / 42	-102.1 -102.1 0.14 (1)	10.00	N-I	-145 / 0	0.10 (1)	
U-B	-2451 / 0	0.0 0.0 0.28 (1)	5.47	M-I	-380 / 0	0.13 (1)	
L-J	-2491 / 0	0.0 0.0 0.28 (1)	5.47	B-T	0 / 2171	0.49 (1)	
				M-J	0 / 2171	0.49 (1)	
U-T	0 / 0	-38.5 -38.5 0.12 (3)	10.00				
T-S	0 / 2089	-38.5 -38.5 0.45 (1)	10.00				
S-R	0 / 2002	-38.5 -38.5 0.43 (1)	10.00				
R-Q	0 / 2002	-38.5 -38.5 0.43 (1)	10.00				
Q-P	0 / 2572	-38.5 -38.5 0.54 (1)	10.00				
P-O	0 / 2002	-38.5 -38.5 0.44 (1)	10.00				
O-N	0 / 2002	-38.5 -38.5 0.44 (1)	10.00				
N-M	0 / 2039	-38.5 -38.5 0.44 (1)	10.00				
M-L	0 / 0	-38.5 -38.5 0.12 (3)	10.00				

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWV-p	MT20	5.0	8.0	1.25	3.50
C TMWV-w	MT20	4.0	4.0	2.00	1.50
D TMWV-m	MT20	5.0	8.0	Edge	3.50
E TMWV-w	MT20	2.0	4.0		
F TS-1	MT20	3.0	6.0		
G TMWV-w	MT20	5.0	8.0	Edge	3.50
H TMWV-m	MT20	4.0	4.0	2.50	1.50
I TMWV-w	MT20	5.0	8.0	1.25	3.50
J TMWV-p	MT20	5.0	8.0	2.00	Edge
L BMVW-p	MT20	4.0	4.0	2.50	2.25
M BMWV-w	MT20	5.0	8.0		
N BMWV-w	MT20	4.0	4.0		
O BS-1	MT20	3.0	6.0		
P BMWV-w	MT20	4.0	4.0		
Q BMWV-w	MT20	5.0	8.0		
R BS-1	MT20	3.0	6.0		
S BMWV-w	MT20	4.0	4.0		
T BMWV-w	MT20	5.0	8.0	2.50	2.25
U BMVW-p	MT20	4.0	4.0		

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

TOTAL WEIGHT = 2 X 160 = 319 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 240 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, 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 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/860 (1.13")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/860 (1.13")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.44/1.00 (G-H-T), BC=0.54/1.00 (P-Q-T),
WB=0.76/1.00 (G-P-T), SG=0.28/1.00 (G-H-T)

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

COMPANION LIVE LOAD FACTOR = 1.00

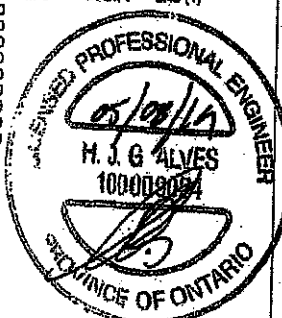
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

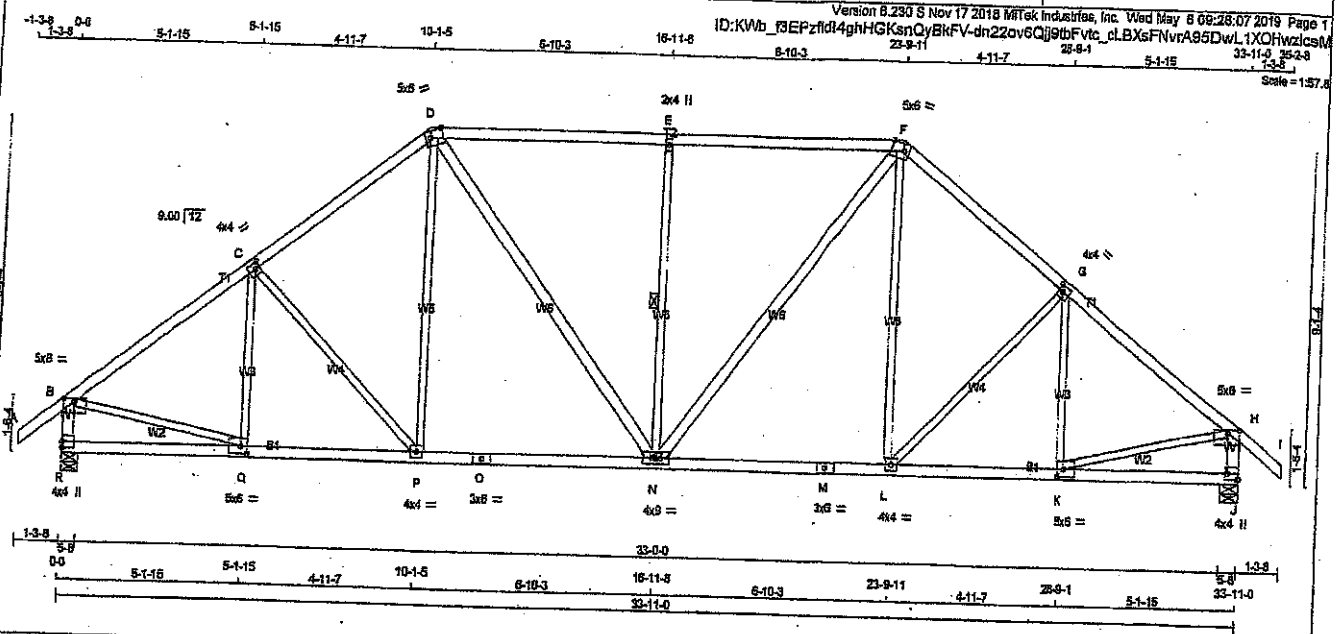
PLATE ROTATION TOL = 5.0 Deg.

SI GRIP=0.88 (M) (INPUT=0.90)
SI METAL=0.71 (R) (INPUT=1.00)



DRWG NO. TAM 1910817
STRUCTURAL
COMPONENT ONLY

JOB NAME 200035-400060 Tamarack Roof Truss, Burlington	TRUSS NAME T6	QUANTITY 10	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - F	2x4	DRY No.2	SPF
F - I	2x4	DRY No.2	SPF
R - B	2x4	DRY No.2	SPF
J - H	2x4	DRY No.2	SPF
R - O	2x4	DRY No.2	SPF
O - M	2x4	DRY No.2	SPF
M - J	2x4	DRY No.2	SPF
ALL WEBS EXCEPT	2x3	DRY No.2	SPF
D - N	2x4	DRY No.2	SPF
N - F	2x4	DRY No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMWV-p	MT20	5.0	8.0	1.25 3.50
C TMWV-w	MT20	4.0	4.0	2.00 1.50
D TMWV-m	MT20	5.0	6.0	Edge 4.25
E TMWV-w	MT20	2.0	4.0	
F TMWV-m	MT20	5.0	6.0	Edge 4.25
G TMWV-t	MT20	4.0	4.0	2.00 1.50
H TMWV-p	MT20	5.0	8.0	1.25 3.50
J BMV1+p	MT20	4.0	4.0	2.00 Edge
K BMWV-t	MT20	5.0	6.0	2.50 2.25
L BMWV-t	MT20	4.0	4.0	
M BS-t	MT20	3.0	6.0	
N BMWV-t	MT20	4.0	4.0	
O BS-t	MT20	3.0	6.0	
P BMWV-t	MT20	4.0	4.0	
Q BMWV-t	MT20	5.0	6.0	2.50 2.25
R BMV1+p	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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX
JT 2528	0	2528	0	0	5-8	5-8	5-8
R 2528	0	2528	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX/MIN. COMPONENT REACTIONS		PERM. LIVE WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	DEAD	SOIL
R	1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	0 / 0	0 / 0	0 / 0
J	1879	1085 / 0	358 / 0	0 / 0	0 / 0	457 / 0	0 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.55 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 E-N.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. LC1 (C)	MAX. MEMB. FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO					
A-B	0 / 42	-102.1	-102.1 0.14 (1)	10.00	0.18 (1)
B-C	-2635 / 0	-102.1	-102.1 0.48 (1)	3.88	0.28 (1)
C-D	-2459 / 0	-102.1	-102.1 0.48 (1)	4.00	0.10 (2)
D-E	-2378 / 0	-102.1	-102.1 0.73 (1)	3.55	0.12 (1)
E-F	-2378 / 0	-102.1	-102.1 0.73 (1)	3.55	0.12 (1)
F-G	-2459 / 0	-102.1	-102.1 0.48 (1)	4.00	0.12 (1)
G-H	-2635 / 0	-102.1	-102.1 0.48 (1)	3.88	0.10 (2)
H-I	0 / 42	-102.1	-102.1 0.14 (1)	10.00	0.28 (1)
I-J	-2441 / 0	0.0	0.0 0.28 (1)	5.48	0.13 (1)
J-K	-2441 / 0	0.0	0.0 0.28 (1)	5.48	0.13 (1)
K-H	0 / 0	-38.5	-38.5 0.16 (3)	10.00	0.49 (1)
Q-P	0 / 2137	-38.5	-38.5 0.49 (1)	10.00	0.13 (1)
P-O	0 / 1939	-38.5	-38.5 0.56 (2)	10.00	0.13 (1)
O-N	0 / 1939	-38.5	-38.5 0.56 (2)	10.00	0.13 (1)
N-M	0 / 1939	-38.5	-38.5 0.56 (2)	10.00	0.13 (1)
M-L	0 / 1939	-38.5	-38.5 0.56 (2)	10.00	0.13 (1)
L-K	0 / 2137	-38.5	-38.5 0.49 (1)	10.00	0.13 (1)
K-J	0 / 0	-38.5	-38.5 0.16 (3)	10.00	0.49 (1)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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 2015, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.13")
CALCULATED VERT. DEFL. (LL) = L/999 (0.12")
ALLOWABLE DEFL. (TL) = L/360 (1.13")
CALCULATED VERT. DEFL. (TL) = L/999 (0.21")

CSL TO=0.73/1.00 (E-F:1), BO=0.55/1.00 (N-P:2), WB=0.49/1.00 (H-K:1), SS=0.34/1.00 (E-F:1)

DCL LUMBER=1.00 NAIL=1.00 LB BEND=1.10 COMP=1.10 SHEAR=1.10 TENG=1.10

COMPANION LIVE LOAD FACTOR = 1.00

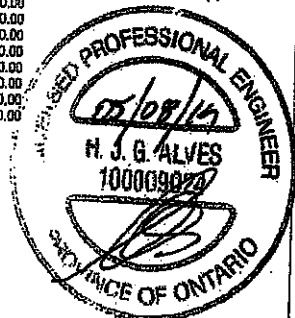
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

MAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PS) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1697 708 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.88 (C) (INPUT = 0.90)
JSI METAL=0.87 (C) (INPUT = 1.00)



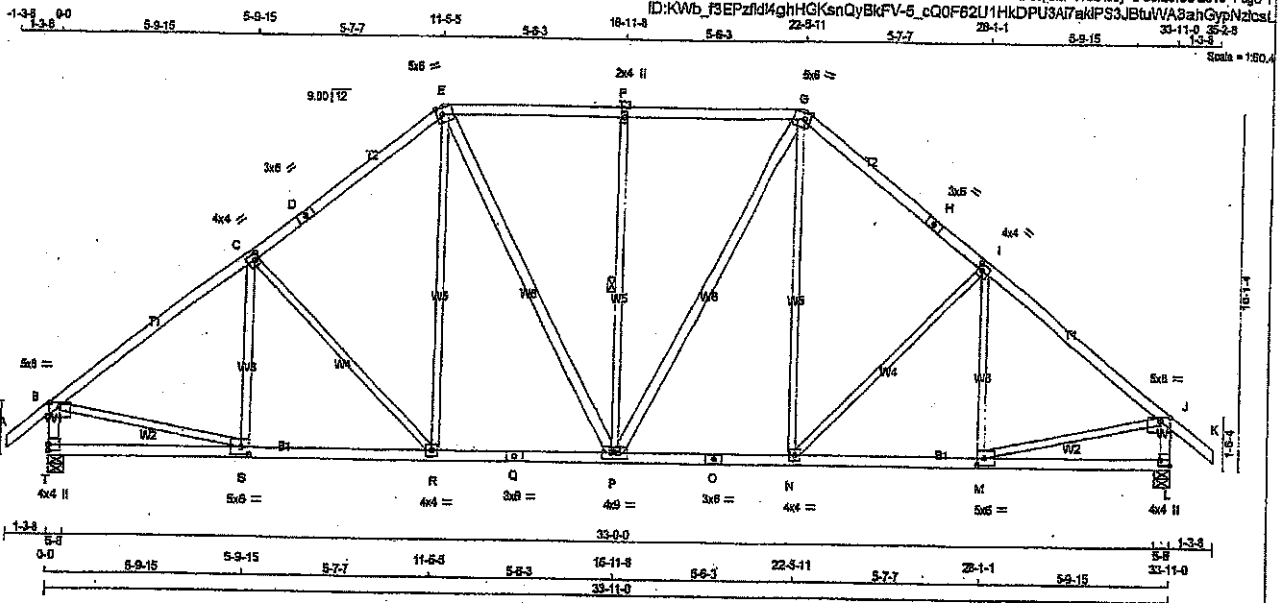
DRWG NO. TAM 110818
STRUCTURAL
COMPANION ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
200035-400060	17	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Kwb_f3EPzfid4ghHCknQyBkFV-5_cQ0F82U1HKDPUSAT7akIP33JBtWVA8ahGypN2icst



TOTAL WEIGHT = 2 X 189 = 337 lb

CHORDS	SIZE	DRY	NO.2	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
H - K	2x4	DRY	No.2	SPF
K - J	2x4	DRY	No.2	SPF
J - I	2x4	DRY	No.2	SPF
I - Q	2x4	DRY	No.2	SPF
Q - L	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT E - P	2x6	DRY	No.2	SPF
P - G	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TBMW-p	MT20	5.0	6.0	1.25 3.50
B TBMW-p	MT20	4.0	4.0	2.00 1.50
C TBMW-p	MT20	3.0	6.0	
D TS-1	MT20	5.0	6.0	Edge 2.00
E TBMW-m	MT20	2.0	4.0	
F TBMW-p	MT20	5.0	6.0	Edge 2.00
G TBMW-m	MT20	3.0	6.0	
H TS-1	MT20	4.0	4.0	2.00 1.50
I TBMW-p	MT20	5.0	6.0	1.25 3.50
J TBMW-p	MT20	4.0	4.0	2.00 Edge
L BMW-p	MT20	5.0	6.0	2.50 2.50
M BMW-p	MT20	4.0	4.0	
N BS-1	MT20	3.0	6.0	
O BMW-p	MT20	4.0	4.0	
P BS-1	MT20	3.0	6.0	
Q BMW-p	MT20	4.0	4.0	
R BMW-p	MT20	5.0	6.0	2.50 2.50
S BMW-p	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

MEMB.	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
JT	2526	0	2526	0	5-8	5-8
T	2526	0	2526	0	5-8	5-8
L	2526	0	2526	0	5-8	5-8

MEMB.	1ST LOOSE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
JT	1879	1065 / 0	356 / 0	0 / 0	0 / 0	457 / 0	0 / 0
T	1879	1065 / 0	356 / 0	0 / 0	0 / 0	457 / 0	0 / 0
L	1879	1065 / 0	356 / 0	0 / 0	0 / 0	457 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.66 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1				MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
		FROM	TO	FROM	TO				
FR-TD									
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00	S-C	-196 / 120	0.10 (1)	
B-C	-2662 / 0	-102.1	-102.1	0.81 (1)	3.69	C-R	-434 / 0	0.58 (1)	
C-D	-2361 / 0	-102.1	-102.1	0.55 (1)	3.62	R-E	0 / 529	0.12 (2)	
D-E	-2361 / 0	-102.1	-102.1	0.55 (1)	3.92	E-P	0 / 512	0.09 (1)	
E-F	-2108 / 0	-102.1	-102.1	0.48 (1)	4.19	P-F	-684 / 0	0.46 (1)	
F-G	-2108 / 0	-102.1	-102.1	0.48 (1)	4.19	P-G	0 / 512	0.06 (1)	
G-H	-2361 / 0	-102.1	-102.1	0.55 (1)	3.92	N-G	0 / 523	0.12 (2)	
H-I	-2361 / 0	-102.1	-102.1	0.55 (1)	3.92	N-I	-434 / 0	0.58 (1)	
I-J	-2662 / 0	-102.1	-102.1	0.81 (1)	3.69	M-I	-196 / 120	0.10 (1)	
J-K	0 / 42	-102.1	-102.1	0.14 (1)	10.00	B-S	0 / 2208	0.50 (1)	
T-B	-2434 / 0	0.0	0.0	0.25 (1)	5.49	M-J	0 / 2208	0.50 (1)	
L-J	-2434 / 0	0.0	0.0	0.25 (1)	5.49				
T-S	0 / 0	-38.5	-38.5	0.24 (3)	10.00				
S-R	0 / 2163	-38.5	-38.5	0.52 (2)	10.00				
R-Q	0 / 1857	-38.5	-38.5	0.42 (1)	10.00				
Q-P	0 / 1857	-38.5	-38.5	0.42 (1)	10.00				
P-O	0 / 1857	-38.5	-38.5	0.42 (1)	10.00				
O-N	0 / 1857	-38.5	-38.5	0.42 (1)	10.00				
N-M	0 / 2163	-38.5	-38.5	0.52 (2)	10.00				
M-L	0 / 0	-38.5	-38.5	0.24 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 240 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 D88-09, CSA D88-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.13")
CALCULATED VERT. DEFL.(LL) = L/989 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (1.13")
CALCULATED VERT. DEFL.(TL) = L/989 (0.18")

CSI: TC=0.81/1.00 (I-J), BC=0.52/1.00 (R-S-2), WB=0.58/1.00 (I-K), SS=0.27/1.00 (F-G-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

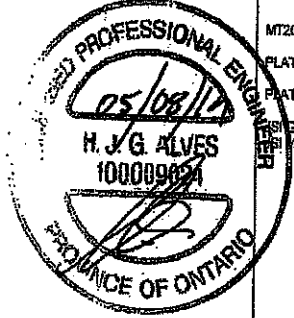
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

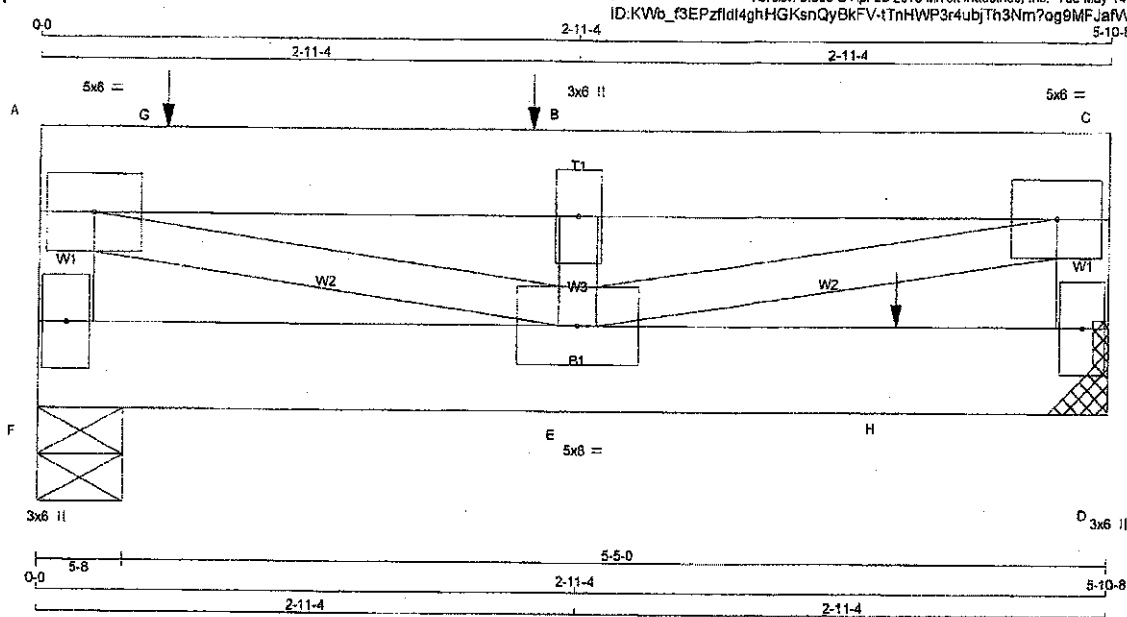
GRIP=0.89 (M) (INPUT=0.90)

METAL=0.65 (Q) (INPUT=1.00)



DRWG NO. TAM 17/10819
STRUCTURAL
COMPONENT ONLY

JOB NAME 402933	TRUSS NAME T14Z	QUANTITY 2	PLY 2	JOB DESC GREEN PARK HOMES	DRWG NO.
Famrack Roof Truss, Burlington		Version 8.300 S Apr 23 2019 Mitek Industries, Inc. Tue May 14 10:24:47 2019 Page 1			
ID:KWb_3EPzfId4ghHGKsnQyBkFV-tTnHWP3r4ubjTh3Nm7og9MFJafVfmxJ4pImZczGdTE					



TOTAL WEIGHT = 4 X 27 = 108 lb

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

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

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

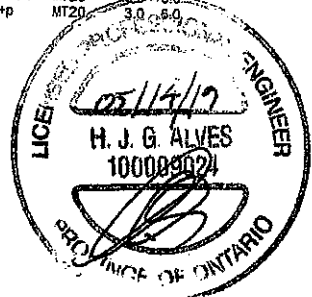
NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF 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-1	MT20	5.0	6.0		
B	TMVW-1	MT20	3.0	6.0		
C	TMVW-1	MT20	5.0	6.0		
D	BMV1+p	MT20	3.0	6.0		
E	BMVWV-1	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	6.0		



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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG	
F	VERT 1208	DOWN 1208	0	5-8	5-8
D	VERT 1467	DOWN 1467	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS					
JT	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	901	500 / 0	175 / 0	0 / 0	227 / 0	0 / 0
D	1083	612 / 0	208 / 0	0 / 0	272 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
F-A	-1090 / 0	A-E	0 / 2167
A-G	-2042 / 0	E-B	-1194 / 0
G-B	-2042 / 0	B-C	0 / 2167
B-C	-2042 / 0	C-D	
D-C	-960 / 0		
F-E	0 / 0		
E-H	0 / 0		
H-D	0 / 0		

FACTORED CONCENTRATED LOADS (LBS)		FACE	DIR.	TYPE	HEEL	CONN.
JT	LOC.	LOC.	MAX-	MAX+		
B	2-8-4	-1026	-1026	TOP	VERT	TOTAL
G	8-4	-170	-170	TOP	VERT	TOTAL
H	4-8-4	-653	-653	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA C88-09, CSA C89-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.12/1.00 (A-B-1), BC=0.21/1.00 (D-E-1), WB=0.27/1.00 (A-E-1), SS=0.17/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

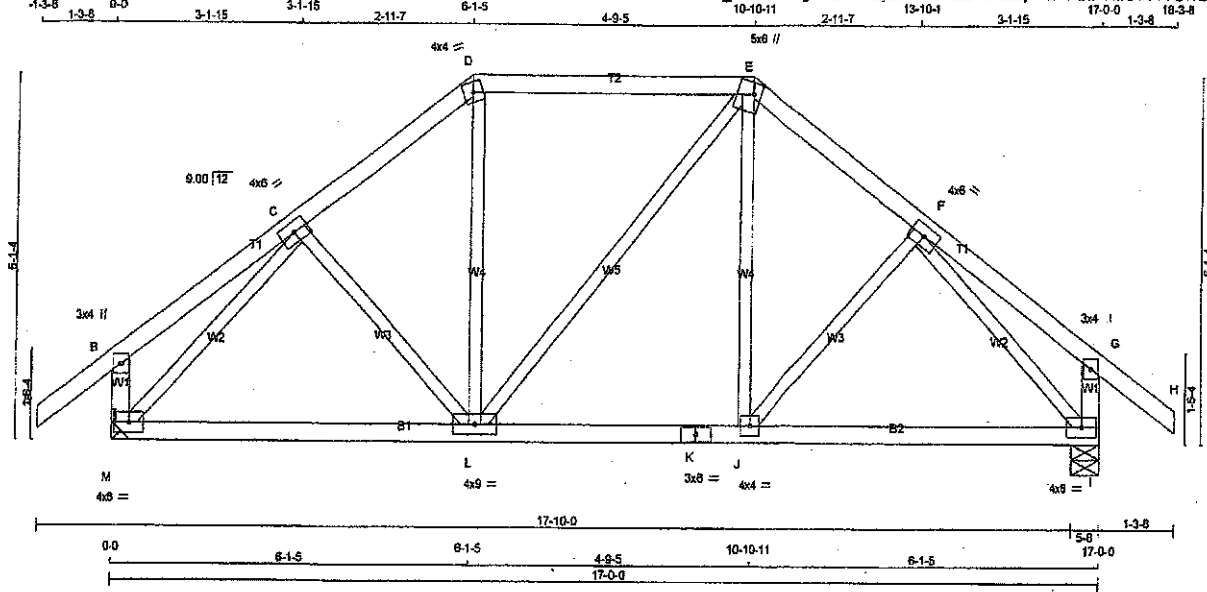
NAIL VALUES			
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	
MT20	618	354	1657 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.56 (E) (INPUT = 0.90)
JSI METAL = 0.26 (C) (INPUT = 1.00)

DWG NO. 7AM 0794629
STRUCTURAL
COMPONENT ONLY



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-t	MT20	4.0	6.0	
D	TTW-m	MT20	4.0	4.0	
E	TTWW-m	MT20	5.0	6.0	2.25 1.50
F	TMWW-t	MT20	4.0	6.0	
G	TMV+p	MT20	3.0	4.0	
I	BMWW-t	MT20	4.0	6.0	
J	BMWW-t	MT20	4.0	4.0	
K	BS-t	MT20	3.0	6.0	
L	BMWW-t	MT20	4.0	6.0	
M	BMWW-t	MT20	4.0	6.0	

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	FACTORED GROSS REACTION DOWN	INPUT BRG UPLIFT	REGRD BRG IN-SX
M	1336	0	0	5-8
I	1336	0	0	5-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	980	574/0	179/0	0/0	0/0	239/0	0/0
I	980	574/0	179/0	0/0	0/0	239/0	0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.01 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 MAX. CSI (LC)	UNBRACED LENGTH FR-TO
FR-TO				FR-TO			
A-B	0/42	-102.1	-102.1 0.14 (1)	C-L	-39/66	0.02 (3)	10.00
B-C	0/20	-102.1	-102.1 0.14 (1)	L-D	0/283	0.06 (2)	10.00
C-D	-1054/0	-102.1	-102.1 0.12 (1)	L-E	0/0	0.00 (1)	6.01
D-E	-829/0	-102.1	-102.1 0.31 (1)	J-E	0/282	0.06 (2)	8.25
E-F	-1053/0	-102.1	-102.1 0.12 (1)	J-F	-39/66	0.02 (3)	6.01
F-G	0/20	-102.1	-102.1 0.14 (1)	M-C	-1293/0	0.44 (1)	10.00
G-H	0/42	-102.1	-102.1 0.14 (1)	F-I	-1292/0	0.44 (1)	10.00
M-B	-263/0	0.0	0.0 0.03 (1)				7.81
I-G	-263/0	0.0	0.0 0.03 (1)				7.81
M-L	0/851	-38.5	-38.5 0.34 (2)				10.00
L-K	0/829	-38.5	-38.5 0.32 (2)				10.00
K-J	0/829	-38.5	-38.5 0.32 (2)				10.00
J-I	0/851	-38.5	-38.5 0.34 (2)				10.00

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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
- TPC 2011, TPC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 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 (0.11")

CSI: TO=0.31/1.00 (D-E:1), BC=0.34/1.00 (I-J:2), WB=0.44/1.00 (C-M:1), SS=0.19/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

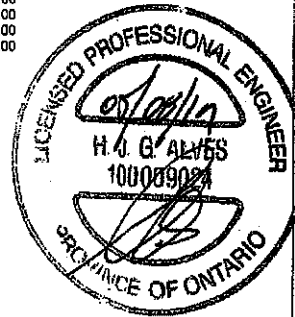
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618 354 1667 789 1987 1656	

PLATE PLACEMENT TOL = 0.250 inches

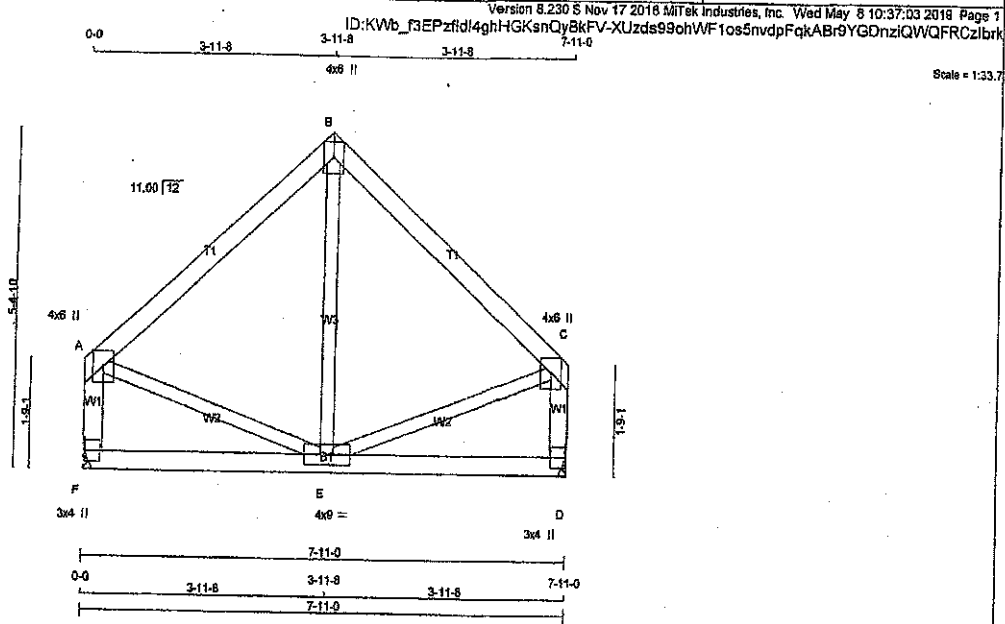
PLATE ROTATION TOL = 5.0 Deg.

CSI GRIP= 0.82 (C) (INPUT = 0.90)
CSI METAL= 0.41 (K) (INPUT = 1.00)



DWG NO. TAM 0910841
STRUCTURAL
COMPONENT ONLY

JOB NAME 200035-400226	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge
B	TTW+p	MT20	4.0	6.0	Edge
C	TMVW+p	MT20	4.0	6.0	Edge
D	BMV1+p	MT20	3.0	4.0	
E	BMVWW-t	MT20	4.0	9.0	
F	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	INPUT	REQD
JT	VERT	HORZ	DOWN	HORZ
F	557	0	557	0
D	557	0	557	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F, D. MINIMUM BEARING LENGTH AT JOINT F = 1-12, JOINT D = 1-12.

UNFACTORED REACTIONS							
	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT							
F	416	230 / 0	83 / 0	0 / 0	0 / 0	103 / 0	0 / 0
D	416	230 / 0	83 / 0	0 / 0	0 / 0	103 / 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.	FACTORED	FACTORED	MEMB.	FACTORED	FACTORED	MEMB.	FACTORED
	FORCE	VERT. LOAD		FORCE	FORCE		FORCE
	(LBS)	LC1		(LBS)	(LBS)		(LBS)
FR-TO			FROM			FR-TO	
A-B	-315 / 0	-102.1	TO	0.21 (1)	6.25	E-B	0 / 157
B-C	-315 / 0	-102.1	TO	0.21 (1)	6.25	A-E	0 / 247
F-A	-498 / 0	0.0	TO	0.05 (1)	7.81	E-C	0 / 247
D-C	-498 / 0	0.0	TO	0.05 (1)	7.81		
F-E	0 / 0	-38.5		0.13 (3)	10.00		
E-D	0 / 0	-38.5		0.13 (3)	10.00		

TOTAL WEIGHT = 2 X 35 = 70 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.1 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.28")

CALCULATED VERT. DEFL.(LL) = L/998 (0.01")

ALLOWABLE DEFL.(TL) = L/360 (0.28")

CALCULATED VERT. DEFL.(TL) = L/998 (0.01")

CSI: TO=0.21/1.00 (A-B-1), BC=0.13/1.00 (E-F-3), WE=0.09/1.00 (A-E-1), SS=0.12/1.00 (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	MAX MIN
MT20	618 354	1867 788	1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.36 (C) (INPUT = 0.90)

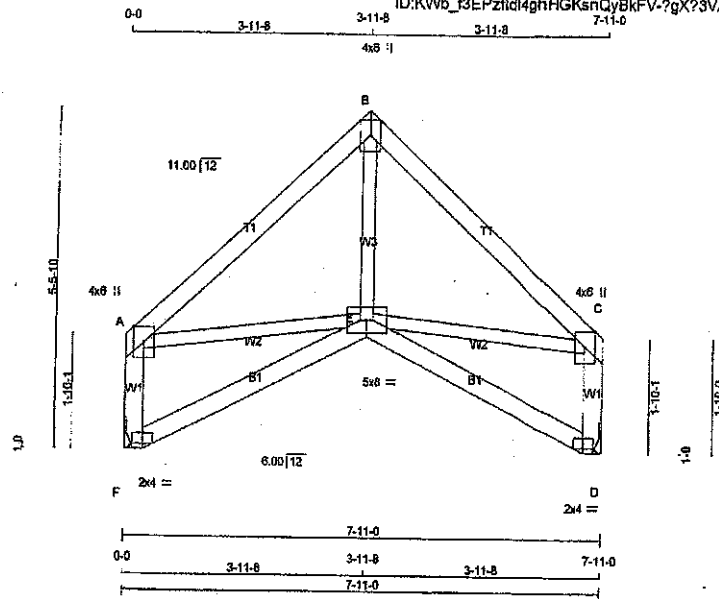
JSI METAL= 0.18 (A) (INPUT = 1.00)



JWG NO. TAM 17910839

STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200036-400226	T30S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Wed May 8 10:37:04 2019 Page 1	
				ID:KWb_f3EPzfcl4ghHGKsnQyBkFV-?gX?3VAQSpNuQ0gzSKKUMxiMZuQyDurfAAp_ezibrj	



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
F - A	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
E - D	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	TTW+p	MT20	4.0	6.0	Edge	
C	TMVW+p	MT20	4.0	6.0	Edge	
D	BVM1-p	MT20	2.0	4.0		
E	SBVW+p	MT20	5.0	8.0		
F	BVM1-p	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	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	557	0	557	0
D	557	0	557	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F, D. MINIMUM BEARING LENGTH AT JOINT F = 1-12, JOINT D = 1-12.

UNFACTORED REACTIONS

	1ST LOASE	MAX/MIN	COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	416	230 / 0	83 / 0	0 / 0	0 / 0	103 / 0	0 / 0
D	416	230 / 0	83 / 0	0 / 0	0 / 0	103 / 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				
	MAX. FACTORED	FACTORED				MAX. FACTORED				
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX	MEMB.	FORCE	MAX		
	(LBS)		(PLF)	CSI	(LC)		(LBS)	CSI	(LC)	
FR-TO		FROM	TO			FR-TO				
A-B	-456 / 0	-102.1	-102.1	0.21 (1)	6.25	E-B	0 / 246	0.06 (2)		
B-C	-458 / 0	-102.1	-102.1	0.21 (1)	6.25	A-E	0 / 338	0.08 (1)		
F-A	-480 / 0	0.0	0.0	0.06 (1)	7.81	E-C	0 / 338	0.08 (1)		
D-C	-480 / 0	0.0	0.0	0.06 (1)	7.81					
F-E	0 / 0	-38.5	-38.5	0.14 (3)	10.00					
E-D	0 / 0	-38.5	-38.5	0.14 (3)	10.00					

TOTAL WEIGHT = 2 X 35 = 69 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.1	PSF
	DL = 6.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 62.5	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 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.26")
CALCULATED VERT. DEFL. (LL) = $L/989$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.26")
CALCULATED VERT. DEFL. (TL) = $L/989$ (0.03")

CSI: TC=0.21/1.00 (A-B-1), BC=0.14/1.00 (D-E-3),
WB=0.08/1.00 (A-E-1), SSI=0.12/1.00 (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.

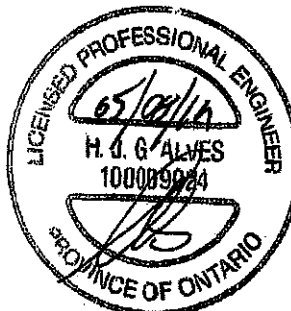
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
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= 0.36 (C) (INPUT = 0.90)
JSI METAL= 0.23 (A) (INPUT = 1.00)

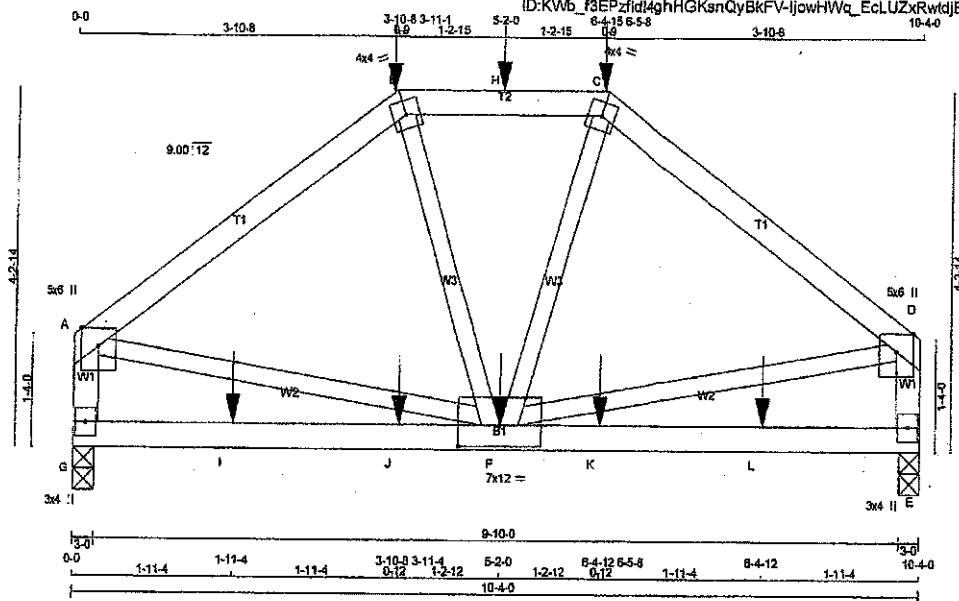


DRWG NO. TAM 1910840
STRUCTURAL
CONCREMENT ONLY

JOB NAME 200035-400226	TRUSS NAME T3.1	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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Scale = 1/25.2

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
F - G	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TTW-m	MT20	4.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW+p	MT20	5.0	6.0	Edge	
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW+m	MT20	7.0	12.0	3.00	6.00
G	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	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	BRG
G	1128	0	1128	0	0	0	3-0	3-0	
E	1128	0	1128	0	0	0	3-0	3-0	

UNFACTORED REACTIONS

1ST CASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	841	467 / 0	158 / 0	0 / 0	0 / 0	216 / 0	0 / 0
E	841	467 / 0	158 / 0	0 / 0	0 / 0	216 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.57 FT.
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				WESS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CST (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CST (LC)	
FR-TO		FROM TO			FR-TO			
A-B	-1100 / 0	-102.1	-102.1	0.33 (1)	5.57	A-F	0 / 896	0.22 (1)
B-H	-887 / 0	-102.1	-102.1	0.22 (1)	8.21	F-D	0 / 896	0.22 (1)
H-C	-887 / 0	-102.1	-102.1	0.22 (1)	8.21	B-F	0 / 182	0.05 (3)
C-D	-1100 / 0	-102.1	-102.1	0.33 (1)	5.57	F-C	0 / 182	0.05 (3)
G-A	-1031 / 0	0.0	0.0	0.12 (1)	7.70			
E-D	-1031 / 0	0.0	0.0	0.12 (1)	7.70			
G-I	0 / 0	-38.5	-38.5	0.37 (3)	10.00			
I-J	0 / 0	-38.5	-38.5	0.37 (3)	10.00			
J-F	0 / 0	-38.5	-38.5	0.37 (3)	10.00			
F-K	0 / 0	-38.5	-38.5	0.37 (3)	10.00			
K-L	0 / 0	-38.5	-38.5	0.37 (3)	10.00			
L-E	0 / 0	-38.5	-38.5	0.37 (3)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	3-11-1	-284	-284	BACK	VERT	TOTAL	---	---
C	6-4-15	-284	-284	BACK	VERT	TOTAL	---	---
F	5-2-0	-38	-38	BACK	VERT	TOTAL	---	---
H	5-2-0	-98	-98	BACK	VERT	TOTAL	---	---
I	1-11-4	-38	-38	BACK	VERT	TOTAL	---	---
J	3-11-4	-38	-38	BACK	VERT	TOTAL	---	---
K	6-4-12	-38	-38	BACK	VERT	TOTAL	---	---
L	8-4-12	-38	-38	BACK	VERT	TOTAL	---	---

TOTAL WEIGHT = 42 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.34")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.34")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.33/1.00 (C-D:1), BC=0.37/1.00 (F-G:3), WB=0.22/1.00 (D-F:1), SS=0.20/1.00 (E-F:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

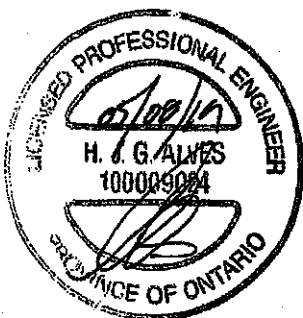
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN MAX MIN MAX MIN		
MT20	618 354 1867 788 1987 1858	

PLATE PLACEMENT TOL = 0.250 inches

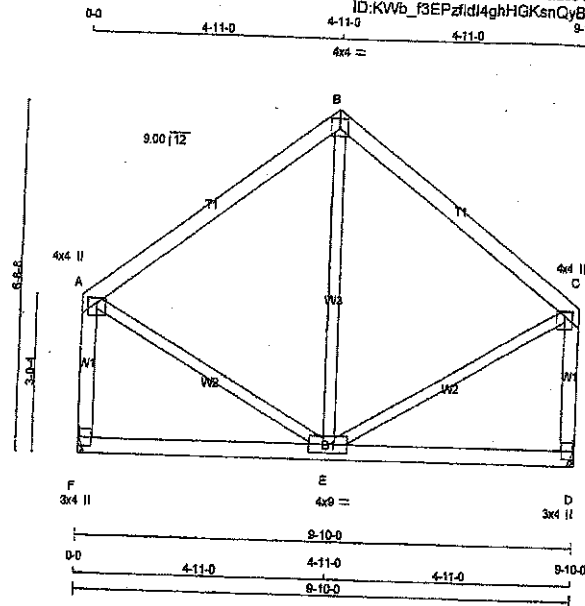
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.85 (A) (INPUT = 0.90)
JSI METAL= 0.43 (D) (INPUT = 1.00)

DWG NO. TAM 1910842
STRUCTURAL
COMPONENT ONLY



JOB NAME 200036-400226 Tagarack Roof Truss, Burlington	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.				Version 0.230 S Nov 17 2018 Mitek Industries, Inc. Wed May 6 10:37:06 2019 Page 1 ID:KWb_f3EPzIdI4ghHGKsnCyBkFV-x3emUABgzRdcKpMafMyRMohKMzoQ7S86Ufw2Xzibm	



Scale = 1/40.8

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
F	VERT 691 0	DOWN 691 0	MECHANICAL	MECHANICAL
D	VERT 691 0	DOWN 691 0	MECHANICAL	MECHANICAL

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F, D. MINIMUM BEARING LENGTH AT JOINT F = 1-12, JOINT D = 1-12.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
F	COMBINED	SNOW	LIVE PERM.LIVE WIND DEAD SOIL
D	517	286 / 0	103 / 0 0 / 0 0 / 0 128 / 0 0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. CS (LC)	UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO									
A-B	-355 / 0	-102.1	-102.1	0.32 (1)	8.25	E-B	-76 / 142	0.06 (1)	
B-C	-355 / 0	-102.1	-102.1	0.32 (1)	6.25	A-E	0 / 324	0.07 (1)	
F-A	-619 / 0	0.0	0.0	0.10 (1)	7.81	E-C	0 / 324	0.07 (1)	
D-C	-619 / 0	0.0	0.0	0.10 (1)	7.81				
F-E	0 / 0	-38.5	-38.5	0.21 (3)	10.00				
E-D	0 / 0	-38.5	-38.5	0.21 (3)	10.00				

TOTAL WEIGHT = 45 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.33")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.33")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CSI: TC=0.32/1.00 (A-B:1), BC=0.21/1.00 (E-F:3), WB=0.07/1.00 (C-E:1), SS=0.18/1.00 (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

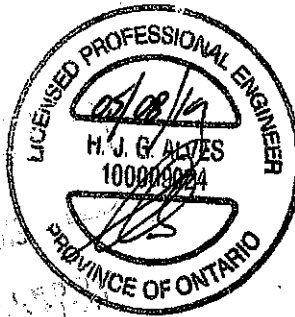
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1668

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

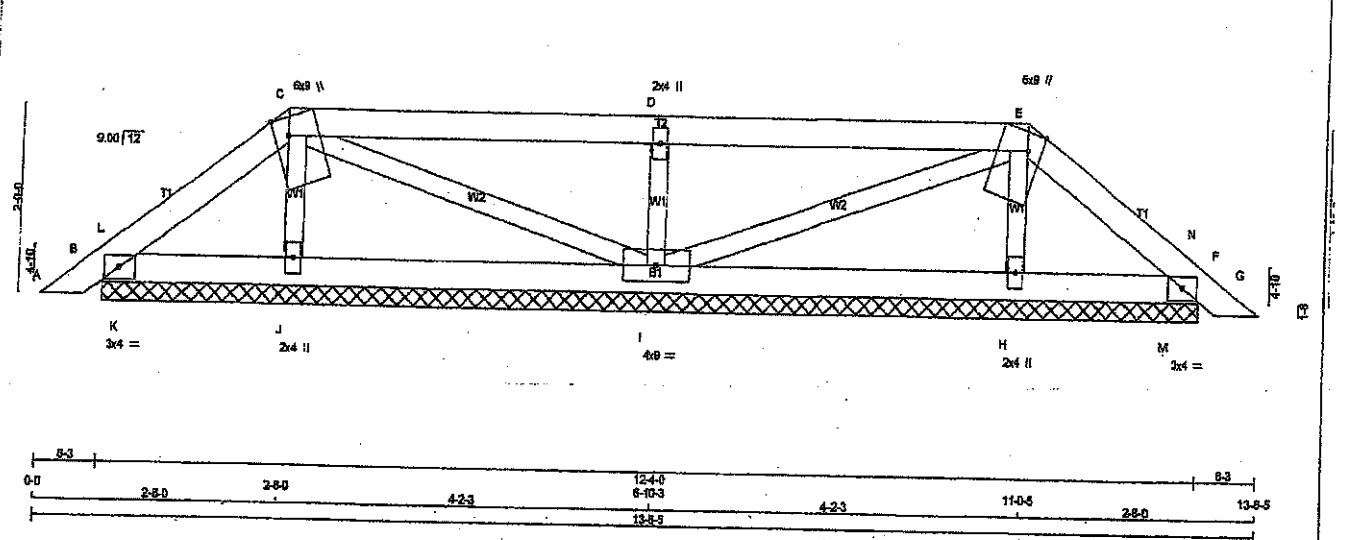
JSI GRIP = 0.51 (A) (INPUT = 0.90)
JSI METAL = 0.13 (A) (INPUT = 1.00)



DRWG NO. TAM 17910843
STRUCTURAL
COMPONENT ONLY

JOB NAME 200035-400060	TRUSS NAME P1	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 6 Nov 17 2018 Mittek Industries, Inc. Wed May 8 08:27:58 2019 Page 1
 ID:KWb_f3EPzfdl4ghHGKsnQySkFV-O3?evq?ngy190f8abxKEpNhtTY6UbHrQTyZlcsV
 11-4-5 13-8-5 28-0 13-8-5
 Scale = 1/22.5



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

PLATES (table in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	
C	TTWW+m	MT20	6.0	9.0	Edge 2.00
D	TTWW+m	MT20	2.0	4.0	
E	TTWW+m	MT20	6.0	9.0	Edge 2.00
F	TMB1-I	MT20	3.0	4.0	
H	BMWW+m	MT20	2.0	4.0	
I	BMWW+m	MT20	4.0	8.0	
J	BMWW+m	MT20	2.0	4.0	

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
B	218	0	218	0	12-4-0	12-4-0
F	218	0	218	0	12-4-0	12-4-0
J	353	0	353	0	12-4-0	12-4-0
I	714	0	714	0	12-4-0	12-4-0
H	353	0	353	0	12-4-0	12-4-0

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
COMBINED		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	154	112/0	12/0	0/0	0/0	31/0	0/0
B	154	112/0	12/0	0/0	0/0	31/0	0/0
F	272	125/0	73/0	0/0	0/0	74/0	0/0
J	527	311/0	91/0	0/0	0/0	125/0	0/0
I	272	125/0	73/0	0/0	0/0	74/0	0/0
H							

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. 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	0/17	-102.1 -102.1	0.03 (1)	J-C	-197/0	0.03 (1)	
B-L	-41/0	-102.1 -102.1	0.01 (1)	I-D	-538/0	0.08 (1)	
L-C	-63/0	-102.1 -102.1	0.04 (1)	H-E	-197/0	0.03 (1)	
C-D	-8/0	-102.1 -102.1	0.30 (1)	C-I	-28/0	0.01 (1)	
D-E	-8/0	-102.1 -102.1	0.30 (1)	I-E	-26/0	0.01 (1)	
E-N	-63/0	-102.1 -102.1	0.04 (1)	K-L	-133/0	0.00 (1)	
N-F	-41/0	-102.1 -102.1	0.01 (1)	M-N	-133/0	0.00 (1)	
F-G	0/17	-102.1 -102.1	0.03 (1)				
B-K	0/47	-38.5 -38.5	0.05 (1)				
K-J	0/47	-38.5 -38.5	0.08 (2)				
J-I	0/34	-38.5 -38.5	0.11 (3)				
I-H	0/34	-38.5 -38.5	0.11 (3)				
H-M	0/47	-38.5 -38.5	0.08 (2)				
M-F	0/47	-38.5 -38.5	0.05 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.1 PSF
 DL = 5.0 PSF
 BOT CH. LL = 10.5 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 52.5 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TO=0.30/1.00 (D-E-1), BC=0.11/1.00 (I-J-3), WB=0.08/1.00 (D-F-1), SS=0.21/1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

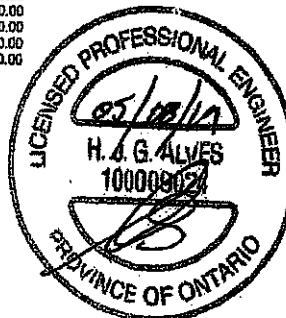
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1657 786 1857 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (D) (INPUT = 0.90)
 JSI METAL= 0.11 (D) (INPUT = 1.00)

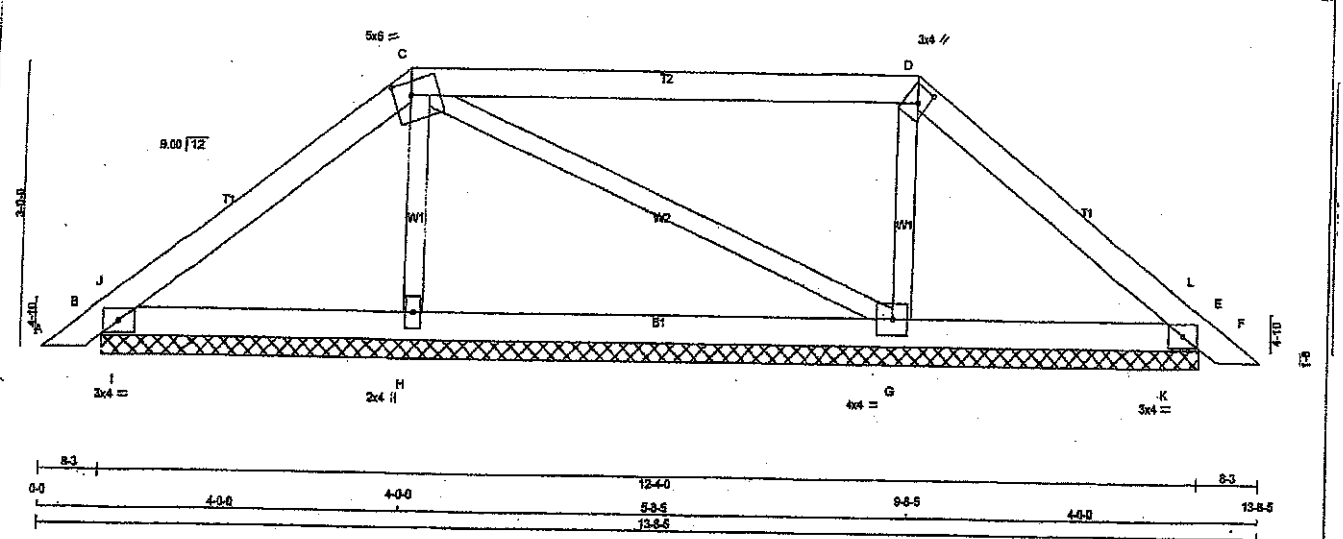


DRWG NO. I AM 719/0528
 STRUCTURAL COMPONENT ONLY

JOB NAME 200035-400060	TRUSS NAME P2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.330 S Nov 17 2018 Mitek Industries, Inc. Wed May 8 09:27:59 2019 Page 1
ID:KWb_r3EPzld4ghHGKAnQyBkFV-sFZ07A?PbG90a0LBJSTtXw?hC8Ha_kWobz?OdcU

Scale = 1/22.5



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

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMB1-J	MT20	3.0	4.0	
C	TTWW-m	MT20	5.0	6.0	1.75 2.25
D	TTWW-h	MT20	3.0	4.0	2.00 1.25
E	TMB1-J	MT20	3.0	4.0	
G	BWV1-t	MT20	4.0	4.0	
H	BWV1-w	MT20	2.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
B	354	0	0	354	0	0	0	12-4-0	12-4-0
E	343	0	0	343	0	0	0	12-4-0	12-4-0
H	551	0	0	551	0	0	0	12-4-0	12-4-0
G	598	0	0	598	0	0	0	12-4-0	12-4-0

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM/LIVE	WIND	DEAD	SOIL
B	259	181/0	24/0	0/0	0/0	54/0	0/0
E	245	170/0	24/0	0/0	0/0	51/0	0/0
H	421	204/0	105/0	0/0	0/0	112/0	0/0
G	463	230/0	105/0	0/0	0/0	118/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0/17	-102.1	-102.1 0.03 (1)	10.00	H-C	-328/0	0.08 (1)
B-J	-89/0	-102.1	-102.1 0.08 (1)	8.25	C-G	-31/0	0.02 (1)
J-C	-182/0	-102.1	-102.1 0.14 (1)	8.25	G-D	-381/0	0.08 (1)
C-D	-82/0	-102.1	-102.1 0.57 (1)	8.25	I-J	-303/0	0.00 (1)
D-L	-129/0	-102.1	-102.1 0.14 (1)	8.25	K-L	-307/0	0.00 (1)
L-E	-37/0	-102.1	-102.1 0.05 (1)	8.25			
E-F	0/17	-102.1	-102.1 0.03 (1)	10.00			
B-I	0/123	-38.5	-38.5 0.13 (1)	10.00			
I-H	0/123	-38.5	-38.5 0.17 (2)	10.00			
H-G	0/110	-38.5	-38.5 0.17 (2)	10.00			
G-K	0/96	-38.5	-38.5 0.17 (2)	10.00			
K-E	0/96	-38.5	-38.5 0.13 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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, NBC 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 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TO=0.57/1.00 (C-D-1), BC=0.17/1.00 (H-I-2), WB=0.06/1.00 (D-G-1), SS=0.25/1.00 (E-K-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

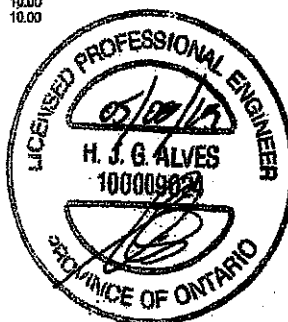
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRP= 0.47 (D) (INPUT = 0.80)
JSI METAL= 0.07 (B) (INPUT = 1.00)



ENGR. H. J. G. ALVES (M/0829)
STRUCTURAL
CONSULTING ONLY

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ID: KWb_i3EPdId4ghHGKsnQyBkFV-sFZ07A7PbG80e0ILBJSTeX_LhB0Ha3kVwbz7OfzCU

0-0 5-4-0 5-4-0 3-0-5 5-4-0 13-8-5

3x8 (1) 3x4 (1)

Scale = 1/23.0



PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMB1-I	MT20	3.0	4.0	
C	TTWW+ <i>m</i>	MT20	5.0	6.0	2.25 1.50
D	TTW+ <i>h</i>	MT20	3.0	4.0	2.00 1.25
E	TMB1-I	MT20	3.0	4.0	
G	BMWW1- <i>t</i>	MT20	4.0	4.0	
H	BMW1+ <i>w</i>	MT20	2.0	4.0	

UNFACTORED REACTIONS							
1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	378	238 / 0	54 / 0	0 / 0	0 / 0	85 / 0	0 / 0
E	360	222 / 0	55 / 0	0 / 0	0 / 0	83 / 0	0 / 0
H	281	127 / 0	77 / 0	0 / 0	0 / 0	77 / 0	0 / 0
G	360	188 / 0	73 / 0	0 / 0	0 / 0	90 / 0	0 / 0

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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCSC 2010 , CBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

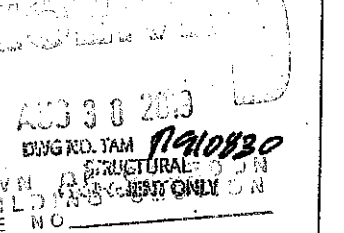
(55 % OF 37.6 P.S.F. G.S.L PLUS 8.4 P.S.F.
RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED
ROOF LIVE LOAD

COMPANION LIVE LOAD FACTOR = 1.00

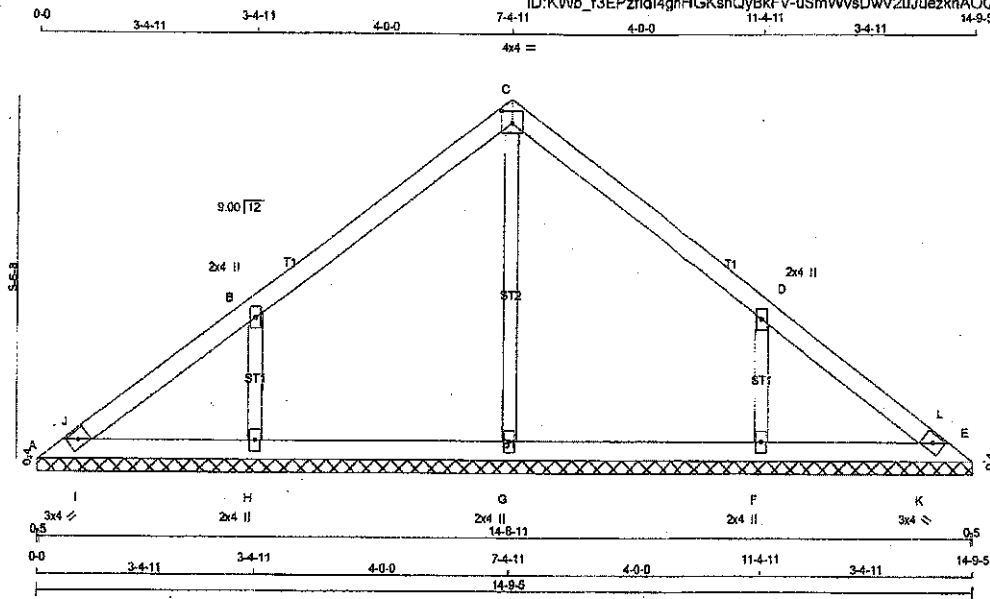
	NAIL VALUES		SHEAR		SECTION	
	PLATE GRIP(DRY)		(FLI)		(FLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1657	788	1987	1858

JSI GRIP= 0.40 (B) (INPUT = 0.90)
JSI METAL= 0.11 (B) (INPUT = 1.00)

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26



JOB NAME 200035-400226	TRUSS NAME V2	QUANTITY 1	PLY 1	JOB DESC GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	
Version 8.230 S Nov 17 2019 MTEK Industries, Inc. Wed May 8 10:37:08 2019 Page 1					
ID: KWb_f3EPzfdl4ghHGKsnQyBkFV-uSmWvsDwV2uJuezkhACQXnt1?AG?u0hRao807Pzibr					
Scale = 1:32.7					



TOTAL WEIGHT = 44 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - E 2x4 DRY

A - E 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
A	170	0	170	0
E	170	0	170	0
G	488	0	488	0
H	621	0	621	0
F	621	0	621	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	125	78 / 0	20 / 0	0 / 0	0 / 0	29 / 0	0 / 0
E	125	78 / 0	20 / 0	0 / 0	0 / 0	29 / 0	0 / 0
G	378	172 / 0	101 / 0	0 / 0	0 / 0	103 / 0	0 / 0
H	461	286 / 0	84 / 0	0 / 0	0 / 0	111 / 0	0 / 0
F	461	286 / 0	84 / 0	0 / 0	0 / 0	111 / 0	0 / 0

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

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: (4)

MEMB.	CHORDS	WEBS
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO	FR-TO	FR-TO
A-J	-40 / 9	-102.1 -102.1 0.05 (1)
J-B	0 / 40	-102.1 -102.1 0.24 (1)
B-C	-19 / 24	-102.1 -102.1 0.24 (1)
C-D	-19 / 24	-102.1 -102.1 0.24 (1)
D-L	0 / 40	-102.1 -102.1 0.24 (1)
L-E	-40 / 9	-102.1 -102.1 0.05 (1)
A-I	-24 / 2	-38.5 -38.5 0.06 (1)
I-H	-20 / 13	-38.5 -38.5 0.09 (2)
H-G	-23 / 0	-38.5 -38.5 0.10 (3)
G-F	-23 / 0	-38.5 -38.5 0.10 (3)
F-K	-20 / 13	-38.5 -38.5 0.09 (2)
K-E	-24 / 2	-38.5 -38.5 0.06 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.1 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.24/1.00 (B-J:1), BC=0.10/1.00 (F-G:3),

WB=0.15/1.00 (C-G: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

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

NAIL VALUES

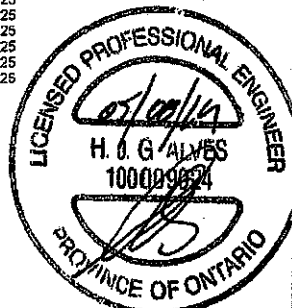
PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

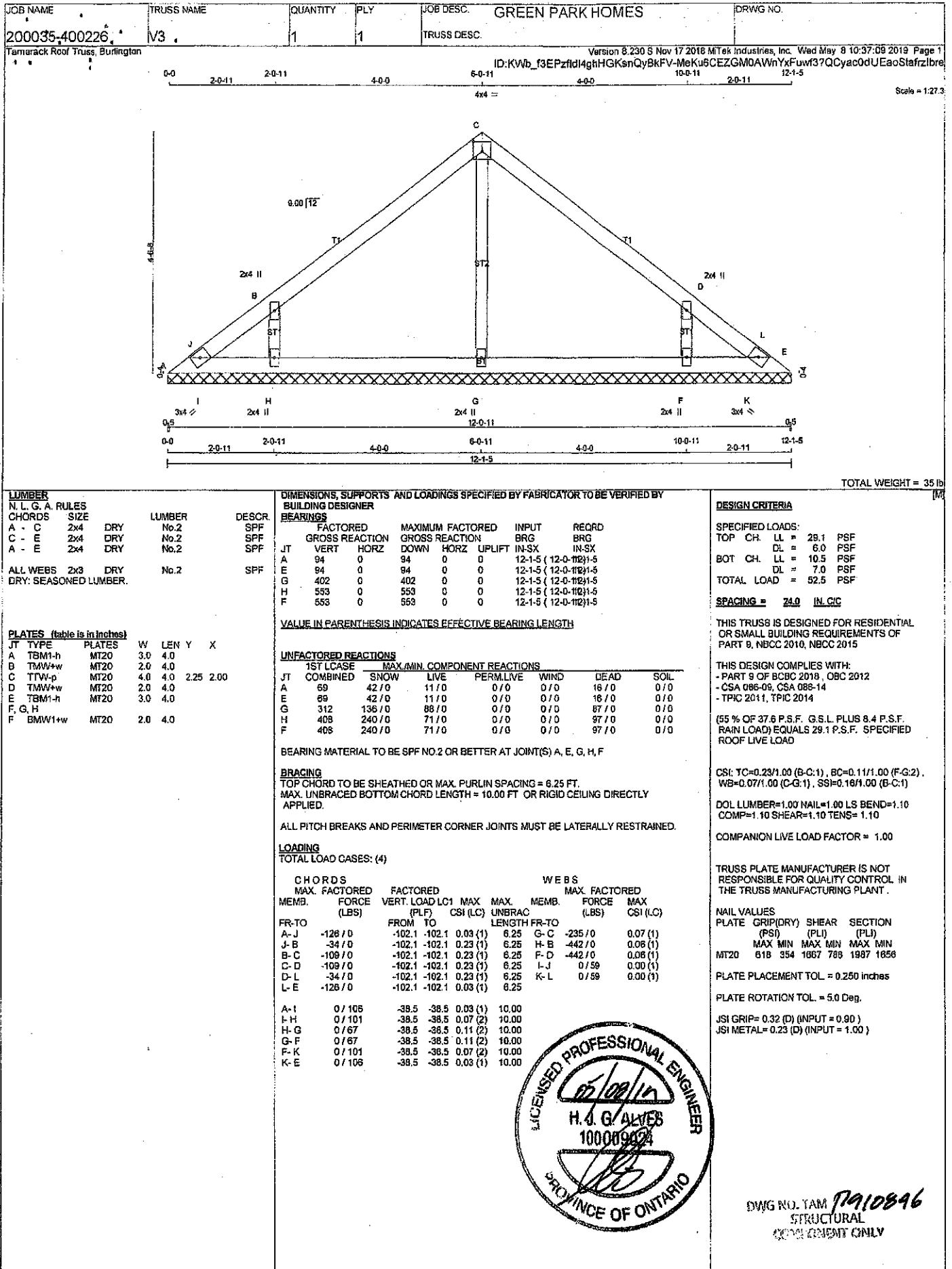
PLATE ROTATION TOL. = 5.0 Deg.

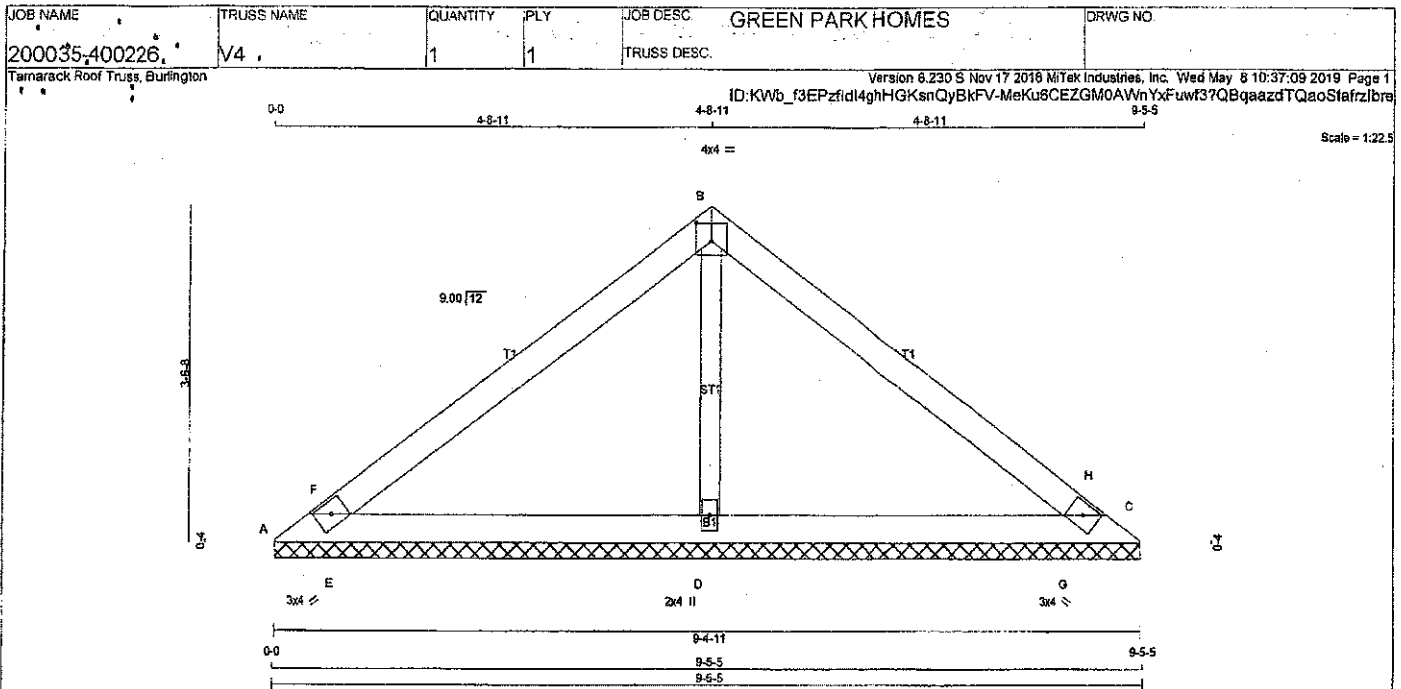
JSI GRIP= 0.32 (D) (INPUT = 0.90)

JSI METAL= 0.24 (D) (INPUT = 1.00)



DRWG NO. TAM 7110845
STRUCTURAL
COMPONENT ONLY





LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2
B - C	2x4	DRY	No.2
A - C	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
A	TBM1-h	MT20	3.0	4.0		
B	TTW-v	MT20	4.0	4.0	2.25	2.00
C	TBM1-h	MT20	3.0	4.0		
D	BMW1+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	REQRD BRG
A	47	47	9-4-11	9-4-11
C	47	47	9-4-11	9-4-11
D	1227	1227	9-4-11	9-4-11

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	35	18 / 0	8 / 0	0 / 0	0 / 0	9 / 0	0 / 0	0 / 0
C	35	18 / 0	8 / 0	0 / 0	0 / 0	9 / 0	0 / 0	0 / 0
D	916	509 / 0	182 / 0	0 / 0	0 / 0	228 / 0	0 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO				FR-TO			
A-F	0 / 448	-102.1	-102.1	D-B	-912 / 0	0.19 (1)	0.19 (1)
F-B	0 / 440	-102.1	-102.1	E-F	-265 / 24	0.00 (1)	0.00 (1)
B-H	0 / 440	-102.1	-102.1	G-H	-265 / 24	0.00 (1)	0.00 (1)
H-C	0 / 448	-102.1	-102.1				
A-E	-407 / 0	-38.5	-38.5				
E-D	-350 / 0	-38.5	-38.5				
D-G	-360 / 0	-38.5	-38.5				
G-C	-407 / 0	-38.5	-38.5				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.30/1.00 (B-F:1), BC=0.24/1.00 (D-E:1), WB=0.19/1.00 (B-D:1), SI=0.17/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

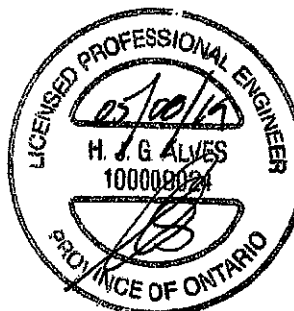
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (B) (INPUT = 0.90)
JSI METAL= 0.26 (B) (INPUT = 1.00)

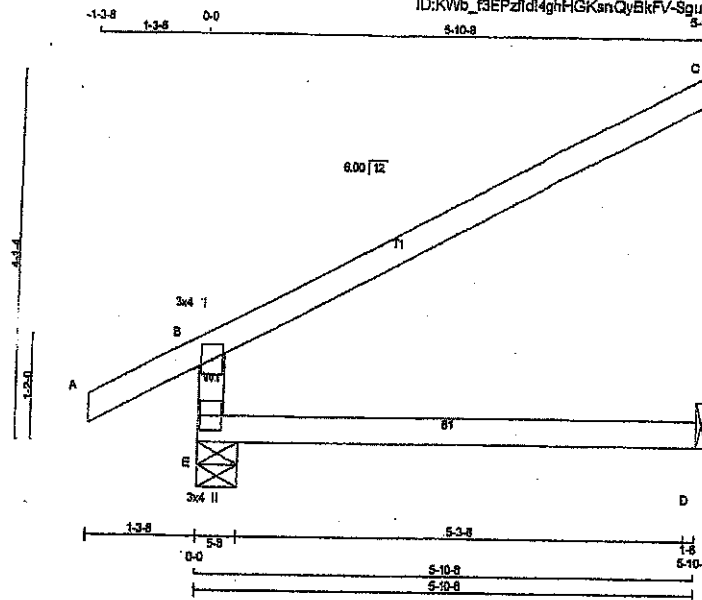


DRWG NO. TAM 17010847
STRUCTURAL
FOR CLIENT ONLY

JOB NAME 200035-400060 Tamarack Roof Truss, Burlington	TRUSS NAME J1	QUANTITY 24	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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ID:KWb_f3EPzIdl4ghHGKAnQyBkFV-SguuU9zXJLnRnZZmTBvmFDvOOTAm4DCIqqMJQ3zIcsX

Scale = 1:23.6



TOTAL WEIGHT = 24 X 17 = 408 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	TM4+p	MT20	3.0	4.0		
E	BMV+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		REQ'D BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX		
E	648	0	648	0	5-8	5-8		
C	225	0	225	0	1-8	1-8		
D	93	0	119	0	1-8	1-8		

SEE MTEK STANDARD DETAIL B37621H 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	473	292/0	72/0	0/0	0/0	108/0	0/0
C	154	128/0	0/0	0/0	0/0	28/0	0/0
D	85	0/0	51/0	0/0	0/0	34/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS			
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO						
E-B	-514/0	0.0	0.0	0.22 (3)	7.81	
A-B	0/31	-102.1	-102.1	0.13 (1)	10.00	
B-C	-34/0	-102.1	-102.1	0.80 (7)	8.25	
E-D	0/0	-38.5	-38.5	0.22 (3)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.1 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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 2010, CBC 2012
- CSA 086-08, 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 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.04")
ALLOWABLE DEFL.(TL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/942 (0.07")

CSI: TC=0.80/1.00 (B-C:1), BC=0.22/1.00 (D-E:3), WB=0.00/1.00 (A-B:0), SB=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

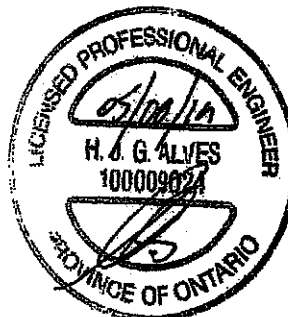
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.21 (E) (INPUT = 0.90)
JSI METAL= 0.14 (B) (INPUT = 1.00)

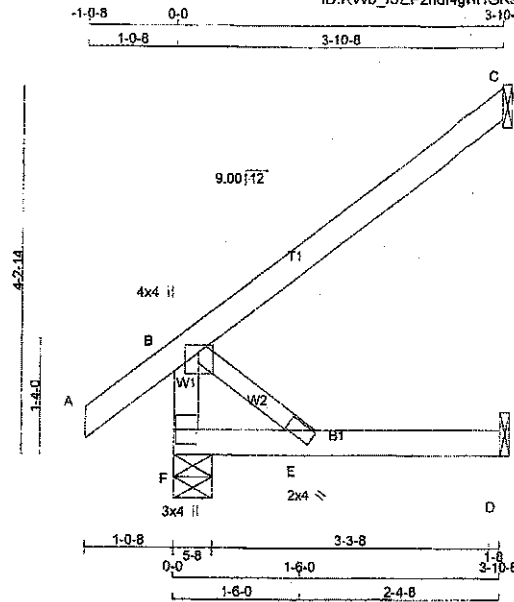


DRG ALL I AM 7/19/0826
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402933	J30	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 9.300 S Apr 23 2019 MITek Industries, Inc. Tue May 14 10:25:04 2018 Page 1
ID:KWb_f3EPzfdl4ghHGKsnQyBkFV-ulj5DGV48k7JteG4bgLxSA2WKTf8p_zwAe7zGdSz



Scale = 1:24.6

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

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00	
E	BMVW+w	MT20	2.0	4.0			
F	BMV1+p	MT20	3.0	4.0			

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	388	0	388	0
C	198	0	198	0
D	75	0	95	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN.	COMPONENT REACTIONS	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
F	283	178/0	41/0	0/0	0/0
C	138	113/0	0/0	0/0	0/0
D	68	0/0	41/0	0/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS					
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX CSI (LC)	MAX UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
F-B	-313/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0	0.00 (1)
A-B	0/35	-102.1	-102.1	0.09 (1)	10.00			
B-C	0/0	-102.1	-102.1	0.26 (1)	10.00			
F-E	0/0	-38.5	-38.5	0.13 (3)	10.00			
E-D	0/0	-38.5	-38.5	0.13 (3)	10.00			

TOTAL WEIGHT = 3 X 14 = 42 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.1 PSF
	DL = 8.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 52.5 PSF

SPACING = 24.0 IN.CC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 29.1 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=0.28/1.00 (B-C:1), BC=0.13/1.00 (D-E:3),
WB=0.00/1.00 (B-E:1), SSI=0.12/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

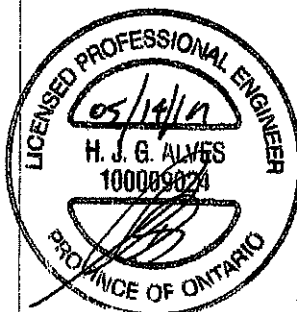
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.25 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)



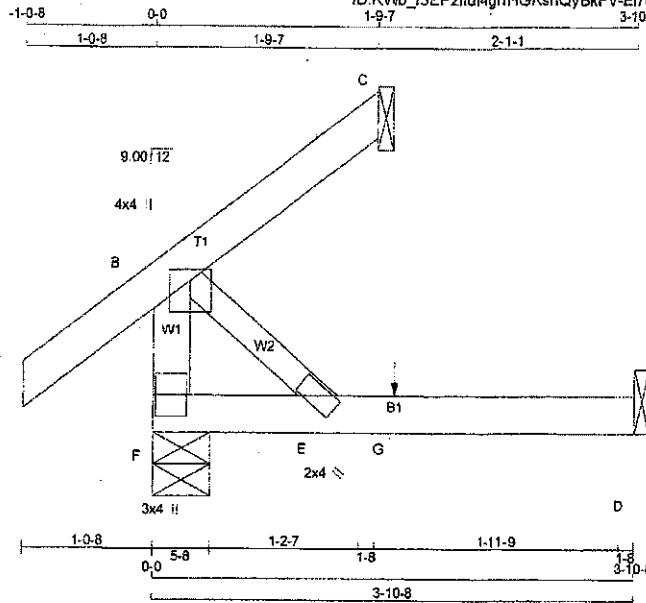
DWG NO. IAM 7911531
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402938	J31	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:16.7

TOTAL WEIGHT = 2 X 11 = 22 lb

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMV+w	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	BRG
F	281	0	281	0	0	5-8	5-8		
C	91	0	91	0	0	1-8	1-8		
D	75	0	95	0	0	1-8	1-8		

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

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE
F	210	117/0	41/0
C	63	52/0	0/0
D	68	0/0	41/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MEMB.	FORCE	MAX	CS1 (LC)
FR-TO		FROM	TO	FR-TO			
F-B	-207/0	0.0	0.0 0.02 (1)	B-E	0/0	0.00 (1)	
A-B	0/35	-102.1	-102.1 0.09 (1)				
B-C	0/0	-102.1	-102.1 0.06 (1)				
F-E	0/0	-38.5	-38.5 0.11 (2)				
E-G	0/0	-38.5	-38.5 0.13 (3)				
G-D	0/0	-38.5	-38.5 0.13 (3)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	-	FRONT	VERT	TOTAL	-	-

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 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")

CS1: TC=0.09/1.00 (A-B:1), SC=0.13/1.00 (D-E:3), WB=0.00/1.00 (B-E:1), SS=0.07/1.00 (E-F:2)

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.

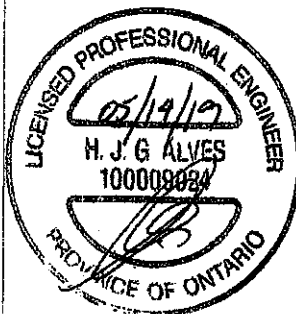
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.16 (B) (INPUT = 0.90)
JSI METAL= 0.04 (B) (INPUT = 1.00)



DWG NO. TAM 1911533
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402933	J32	2	1	TRUSS DESC.		

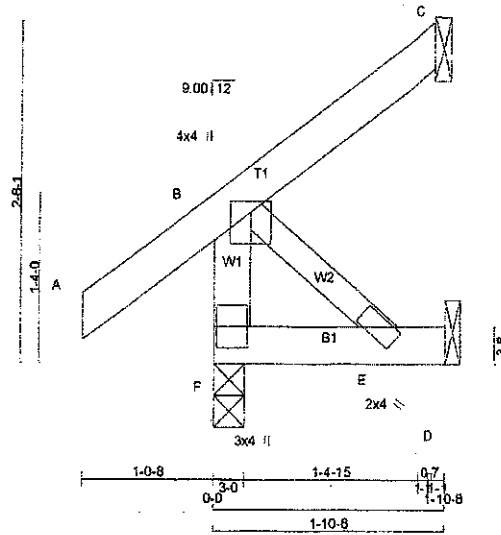
Tamarack Roof Truss, Burlington

Version 8.300 S Apr 23 2019 Mitel Industries, Inc. Tue May 14 10:25:16 2019 Page 1

ID:KWb_f3EPzfid4ghHGKsnQyBkFV-X22FcKP1FoEcR9nyzbpUqTxGcL5i376alqqo4QzGdSn

1-0-8 0-0 1-9-7 1-1

Scale = 1:16.7



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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
E	BMV+w	MT20	2.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	243	0	243	0	3-0	3-0
C	91	0	91	0	1-8	1-8
D	36	0	46	0	1-8	1-8

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

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX / MIN COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	175	117/0	20/0	0/0	0/0	37/0	0/0
C	83	52/0	0/0	0/0	0/0	11/0	0/0
D	33	0/0	20/0	0/0	0/0	13/0	0/0

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

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
F-B	-207/0	0.0	0.0	0.02 (1)	7.81	0/0
A-B	0/35	-102.1	-102.1	0.09 (1)	10.00	0/0
B-C	0/0	-102.1	-102.1	0.06 (1)	10.00	0/0
F-E	0/0	-38.5	-38.5	0.03 (3)	10.00	0/0
E-D	0/0	-38.5	-38.5	0.03 (3)	10.00	0/0

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.09/1.00 (A-B:1), BC=0.03/1.00 (E-F:3), WS=0.00/1.00 (B-E:1), SS=0.07/1.00 (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.

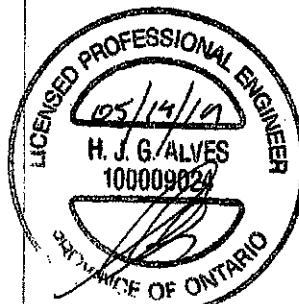
NAIL VALUES

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

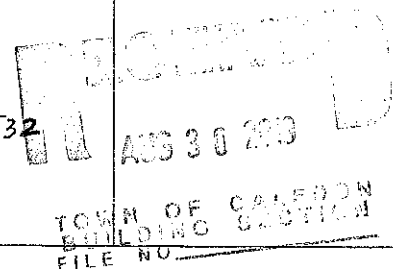
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.16 (B) (INPUT = 0.90)
JSI METAL = 0.04 (B) (INPUT = 1.00)



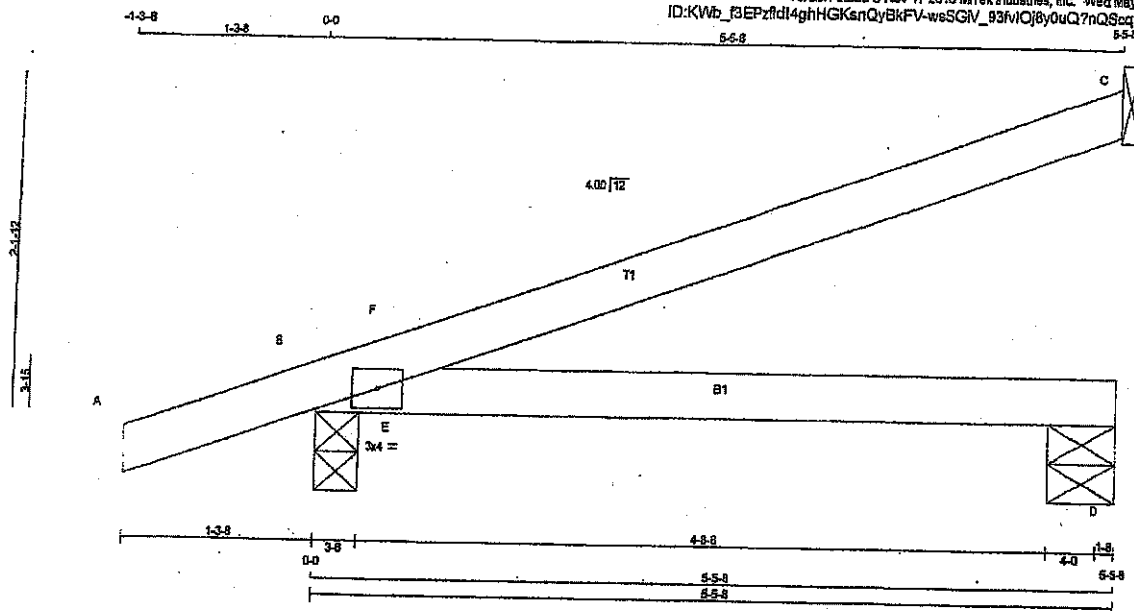
DRWG NO. TAM 11911532
STRUCTURAL
COMPONENT ONLY



JOB NAME: 200035-400060 TRUSS NAME: J90 QUANTITY: 10 PLY: 1 JOB DESC: GREEN PARK HOMES TRUSS DESC: DWG NO. 10910027

Tamarack Roof Truss, Burlington

Version 8.230.5 Nov 17 2018 Mitek Industries, Inc. Wed May 8 08:27:57 2019 Page 1
ID:KWb_f3EPzfdl4ghHGKsnQyBkFV-wsSGIV_93fVQj8y0uQ7nQSQqTVSpgrRS2U6bVzdcsvV



Scale = 1:12.5

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

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
B TMB1-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	UPLIFT	IN-SX	IN-SX	IN-SX
C	280	0	260	0	0	1-8	1-8	1-8
B	520	0	520	0	0	3-8	3-8	3-8
D	133	0	145	0	0	5-8	5-8	5-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND			
C	173	133 / 0	9 / 0	0 / 0	0 / 0	33 / 0	0 / 0
B	381	238 / 0	57 / 0	0 / 0	0 / 0	67 / 0	0 / 0
D	111	25 / 0	49 / 0	0 / 0	0 / 0	38 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	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	E-F	-254 / 122		
B-F	-51 / 0	-102.1	-102.1	0.13 (3)	6.25		0.00 (1)		
F-C	0 / 8	-102.1	-102.1	0.42 (1)	10.00				
B-E	0 / 0	-38.5	-38.5	0.28 (1)	10.00				
E-D	0 / 0	-38.5	-38.5	0.31 (1)	10.00				

TOTAL WEIGHT = 10 X 14 = 144 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 240 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, CBC 2012
- CSA 088-09, CSA 085-14
- TPC 2011, TPC 2014

(55% OF 87.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = 1/360 (0.19")
CALCULATED VERT. DEFL. (LL) = 1/642 (0.08")
ALLOWABLE DEFL. (TL) = 1/360 (0.19")
CALCULATED VERT. DEFL. (TL) = 1/489 (0.13")

CSI: TC=0.42/1.00 (C-F-1), BC=0.31/1.00 (D-E-1), WB=0.00/1.00 (E-F-1), SS=0.23/1.00 (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

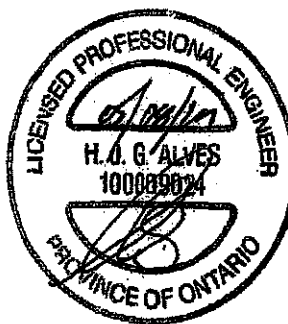
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1657 788 1987 1558

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

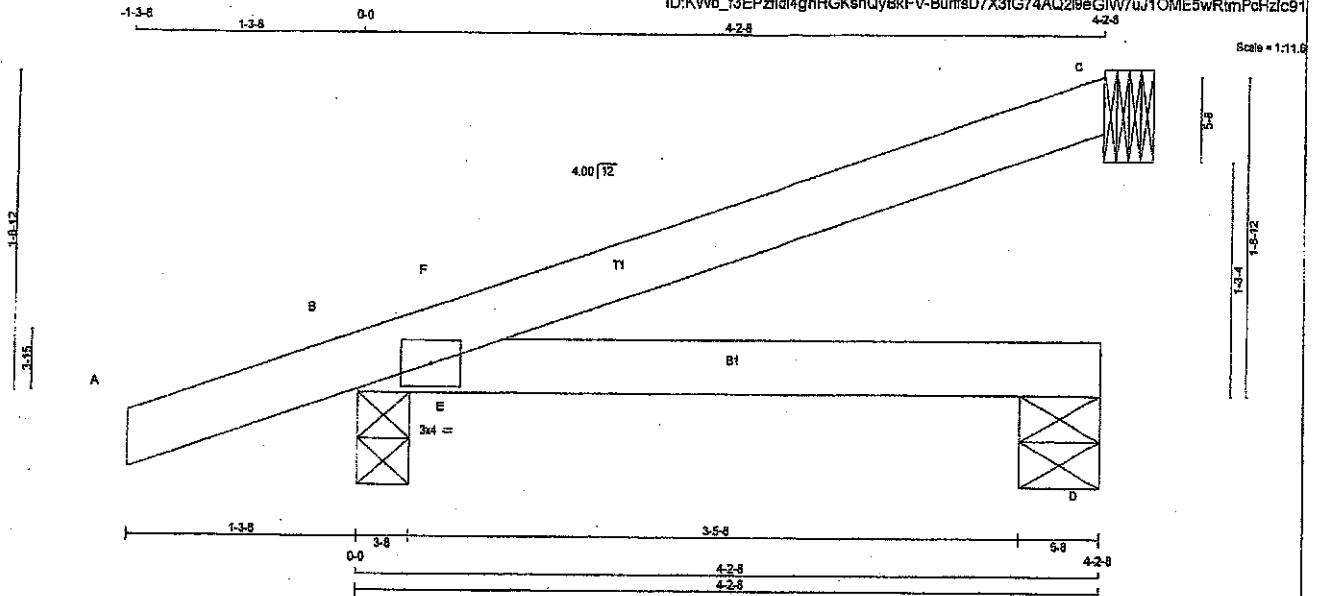
JSI GRIP=0.31 (B) (INPUT = 0.90)
JSI METAL=0.09 (B) (INPUT = 1.00)



DWG NO. TAM 10910027
STRUCTURAL
COMPONENT ONLY

JOB NAME 200035-400221	TRUSS NAME J91	QUANTITY 8	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Wed May 8 10:16:26 2019 Page 1
ID:KWb_f3EPzfid4ghHGKsnQyBkFV-BurifsD7X3IG74AQ2I9eGmW7uJ1OME5wRtmPchZlc91



TOTAL WEIGHT = 8 X 12 = 92 lb

LUMBER

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
C	192	0	0	5-8
B	433	0	0	3-8
D	104	0	0	5-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C

UNFACTORED REACTIONS

1ST CASE	MAX/MIN	COMPONENT REACTIONS
JT	SNOW	LIVE
C	134	102/0
B	315	200/0
D	87	21/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1	MAX. UNBRACED LENGTH	MEMB. FORCE (LBS)
FR-TO				
A-B	0/20	-102.1	-102.1 0.13 (1)	10.00
B-F	-33/0	-102.1	-102.1 0.08 (3)	6.25
F-C	0/5	-102.1	-102.1 0.25 (1)	10.00
B-E	0/0	-38.5	-38.5 0.17 (1)	10.00
E-D	0/0	-38.5	-38.5 0.19 (1)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. CC

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

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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.03")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.05")

CS: TC=0.25/1.00 (C-F:1), BC=0.19/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS=0.17/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

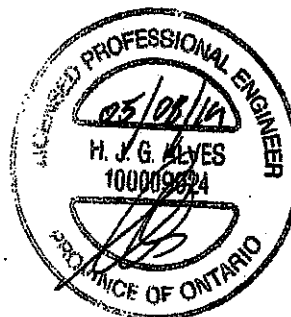
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.25 (B) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)



DRWG NO. 191/0837
STRUCTURAL
GREEN PARK HOMES



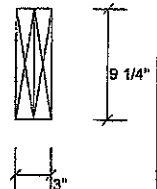
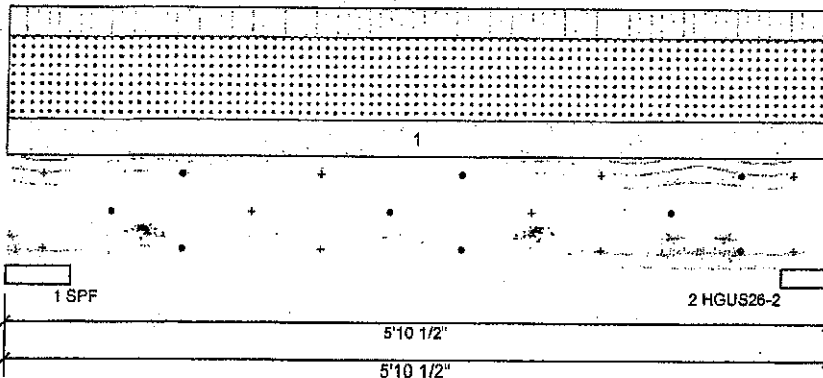
isDesign™

Client:
Project:
Address:Date: 5/8/2019
Designer:
Job Name: 200035
Project #:

Page 3 of 4

BM30 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Roof (Residential)
Ply:	2	Slope:	0/12
Moisture Condition:	Dry	Design Method:	LSD
Deflection LL:	360	Building Code:	NBCC 2015
Deflection TL:	360	Load Sharing:	No
Importance:	Normal	Deck:	Not Checked
		Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	158	195	443	0
2	151	187	424	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	10%	244 / 821	1065 L	1.25D+1.5S +L
2 - HGUS...	4.000"	14%	234 / 787	1021 L	1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1204 ft-lb	3'	6039 ft-lb	0.199 (20%)	1.25D+1.5S +L	L
Unbraced	1204 ft-lb	3'	5236 ft-lb	0.230 (23%)	1.25D+1.5S +L	L
Shear	924 lb	4'10"	3984 lb	0.232 (23%)	1.25D+1.5S +L	L
LL Defl inch	0.011 (L/5922)	3'	0.174 (L/360)	0.060 (6%)	S+0.5L	L
TL Defl inch	0.016 (L/4309)	3'	0.174 (L/380)	0.060 (6%)	D+S+0.5L	L

Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Nail from opposite sides as indicated by + and • symbols.
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.



DWG NO. TAM 17910849
STRUCTURAL
CHECKED ONLY

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		5'-0-0	Near Face	13 PSF	10.5 PSF	29.5 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
3289 North Service Rd., ON
Canada
L7N3G2
(905) 335-1115



This design is valid until 12/11/2021





isDesign™

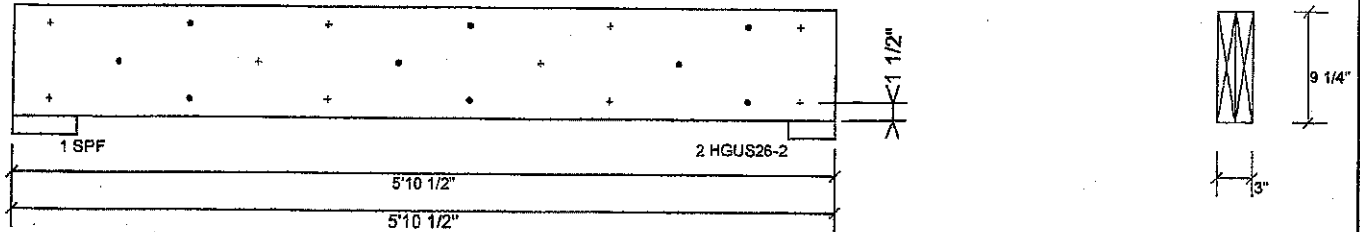
Client:
Project:
Address:

Date: 5/8/2019
Designer:
Job Name: 200035
Project #:

Page 4 of 4

BM30 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

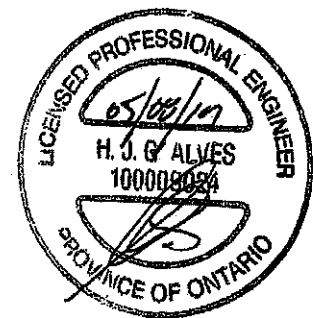
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	48.3 %
Load	177.5 PLF
Yield Limit per Foot	383.4 PLF
Yield Limit per Fastener	127.8 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



DATE: 5/8/19
STRUCTURAL
COMPONENT ONLY 2/2

Manufacturer Info	Tamarack Roof Trusses 3289 North Service Rd., ON Canada L7N3G2 (505) 335-1115
	TAMARACK LUMBER INC ALUM LUMBER GROUP

This design is valid until 12/11/2021

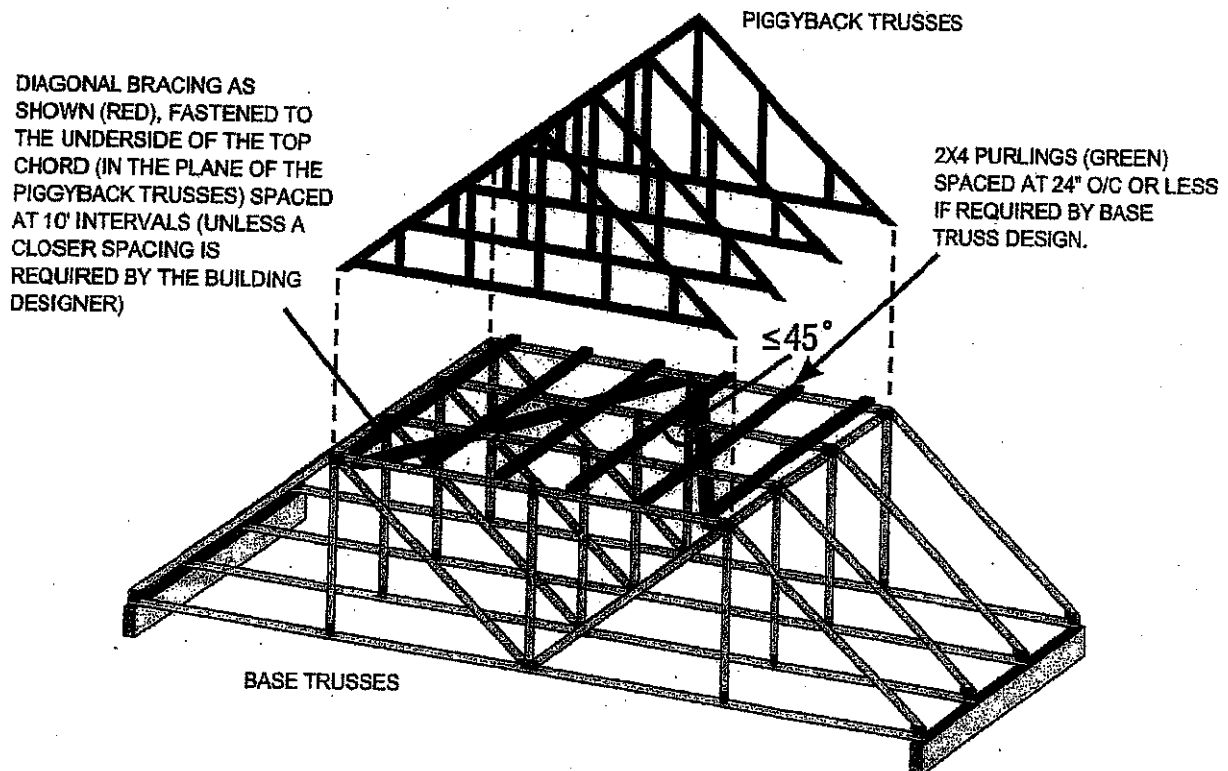


Overview:

Where piggybacks are connected overtop of base trusses, 2x4 purlins must be first added to the flat portion of the base truss at a spacing no more than 24" o/c. These purlins not only provide support for the piggyback trusses above, but are required to laterally support the top chord of the base truss which will not have the sheathing directly connected to the flat portion of the base truss. This ensures the top chord, most often in compression, will not buckle laterally.

Further, the purlins in the plane of the flat portion require diagonal bracing to prevent lateral displacement of the purlins themselves where under certain conditions, the trusses may in fact all buckle in the same direction if this additional bracing is not added in the plane of the purlins.

Detail:



Disclaimer:

OWTFA Tech Notes are intended to provide guidance to the design community both within the membership as well as to third party designers who might benefit from the information. The details have been developed by the OWTFA technical committee and although there may be professional engineers involved in development, the information contained in the tech-note are not intended to be used without having a professional engineer review the information for a specific application. The OWTFA takes no responsibility with respect to the information provided but has developed this tech-note to offer guidance where it is not currently readily available.

LUS - Double Shear Joist Hangers

SIMPSON
Strong-Tie

All LUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections.

Material: 18 gauge

Finish: G90 galvanized

Design:

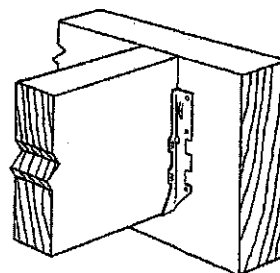
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

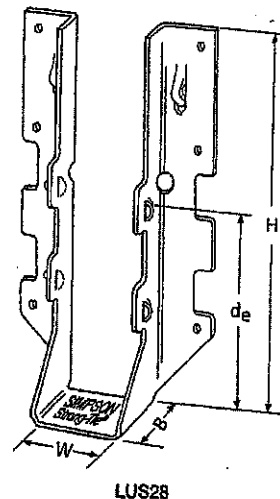
- Use all specified fasteners.
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire,
10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.

Options:

- These hangers cannot be modified.

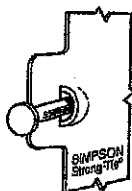


Typical LUS
Installation



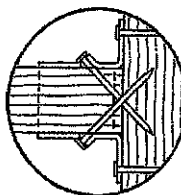
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d _e ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _e =1.15)	Normal (K _e =1.00)	Uplift (K _e =1.15)	Normal (K _e =1.00)
LUS24	18	1 1/8	3 1/2	1 1/4	1 1/8	(4) 10d	(2) 10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/2	2	1 1/8	(4) 16d	(2) 16d	835	2020	690	1435
LUS26	18	1 1/8	4 1/4	1 1/4	3 1/8	(4) 10d	(4) 10d	1420	2170	1290	1630
LUS26-2	18	3 1/8	4 1/4	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
LUS26-3	18	4 1/8	4 1/4	2	3 1/4	(4) 16d	(4) 16d	1720	2595	1545	2340
LUS28	18	1 1/8	6 1/2	1 1/4	3 1/8	(6) 10d	(6) 10d	1420	2520	1290	1790
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
LUS28-3	18	4 1/8	6 1/2	2	3 1/4	(6) 16d	(4) 16d	1720	3325	1545	2375
LUS210	18	1 1/8	7 1/4	1 1/4	3 1/8	(8) 10d	(4) 10d	1420	2785	1290	2210
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(8) 16d	2580	4500	2320	3195
LUS210-3	18	4 1/8	8 1/4	2	5 1/4	(8) 16d	(8) 16d	2580	3345	2320	2375

1. d_e is the distance from the seat of the hanger to the highest joist nail.

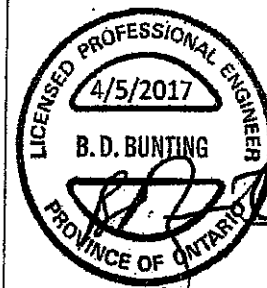


Double
Shear
Nailing
prevents tabs
breaking off
(available on
some models).

U.S. Patent
5,603,580



Double
Shear
Nailing
Top View.



(800) 999-5099
strongtie.com

HUS/LJS -- Double Shear Joist Hangers

SIMPSON
Strong-Tie

All hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

Material: See table

Finish: G90 galvanized

Design:

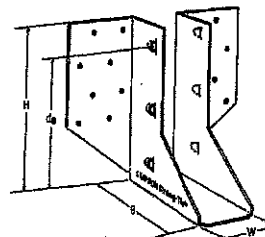
- Factored resistances are in accordance with CSA OB6-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

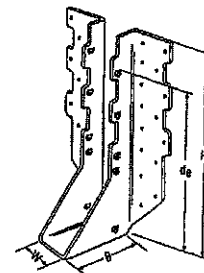
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

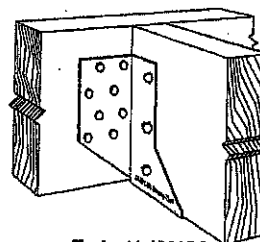
- See current catalogue for options



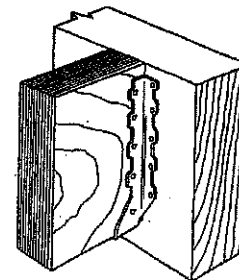
LJS26DS



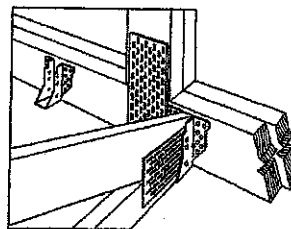
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS
Installation



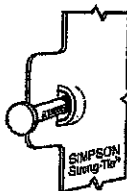
Typical HUS
Installation



Typical HUS Installation
(Truss Designer to provide fastener
quantity for connecting multiple
members together)

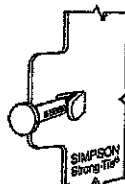
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d _s ¹	Face	Joist	D-Fir-L		S-P-F	
								Uplift (K _u =1.15)	Normal (K _u =1.00)	Uplift (K _u =1.15)	Normal (K _u =1.00)
LJS26DS	18	1 1/8	5	3 1/2	4 5/8	(16) 16d	(6) 16d	2055	4265	1460	4115
HUS26	16	1 1/8	5 1/2	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
HUS28	18	1 1/8	7 1/2	3	6 1/2	(22) 16d	(8) 16d	3605	5365	2875	4345
HUS210	16	1 1/8	9 1/2	3	7 3/8	(30) 16d	(10) 16d	4505	5795	4010	4740
HUS1.81/10	16	1 1/8	9	3	8	(30) 16d	(10) 16d	4505	6450	4010	5200

1. d_s is the distance from the seat of the hanger to the highest joist nail.

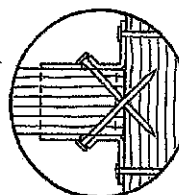


Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent
5,803,580



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



(800) 999-5099
strongtie.com

HGUS - Double Shear Joist Hangers

SIMPSON
Strong-Tie

All HGUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

Material: 12 gauge

Finish: G90 galvanized

Design:

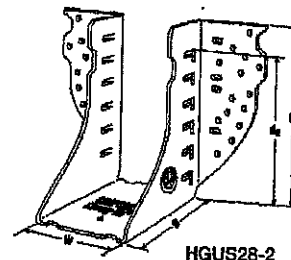
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%.
No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

Installation:

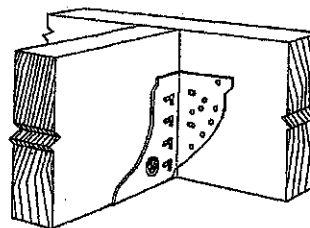
- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

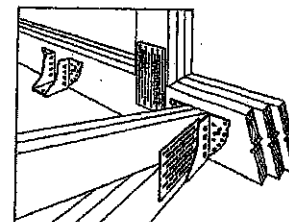
- See current catalogue for options



HGUS28-2



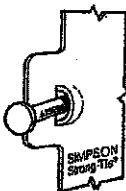
Typical HGUS
Installation



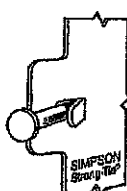
Typical HGUS
Installation
(Truss Designer to
provide fastener
quantity for
connecting multiple
members together)

Model No.	Ga.	Dimensions (in.)					Fasteners		Factored Resistance (lb.)			
		W	H	B	d ₁ ¹	Face	Joist		D-Fir-L		S-P-F	
									Uplift	Normal	Uplift	Normal
									(K ₁ =1.15)	(K ₂ =1.00)	(K ₁ =1.15)	(K ₂ =1.00)
HGUS26	12	1 1/8	5 1/8	5	4 1/2	(20) 16d	(8) 16d		2685	6625	2685	5700
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d		4385	8950	3100	6355
HGUS26-3	12	4 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d		4385	8950	3100	6355
HGUS26-4	12	6 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d		4385	8950	3100	6355
HGUS28	12	1 1/8	7 1/8	5	6 1/8	(36) 16d	(12) 16d		3310	7675	3100	6900
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d		6070	12980	4310	9215
HGUS28-3	12	4 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d		6070	12980	4310	9215
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d		6070	12980	4310	9215
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d		6840	14645	4855	10400
HGUS210-3	12	4 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d		6840	14645	4855	10400
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	6 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d		10130	16400	7195	11845

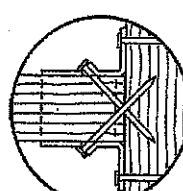
1. d₁ is the distance from the seat of the hanger to the highest joist nail.



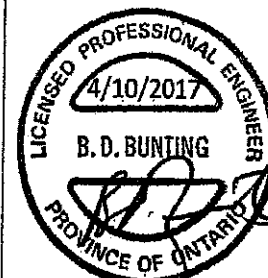
Dome Double
Shear Nailing
prevents tabs
breaking off
(available on
some models).
U.S. Patent
5,603,580



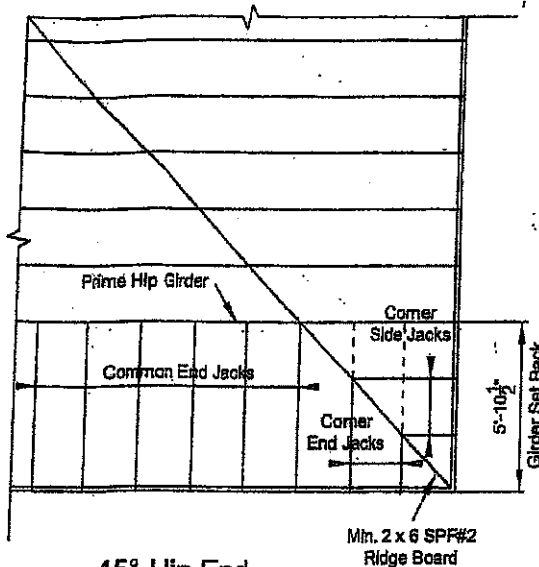
Double
Shear
Nailing
Side View.
Do not
bend tab
back.



Double
Shear
Nailing
Top View.



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45° Hip End

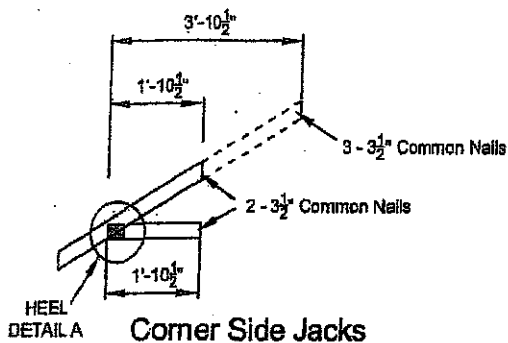
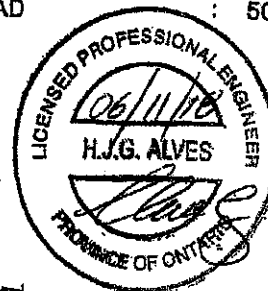
LUMBER SPECIFICATION

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

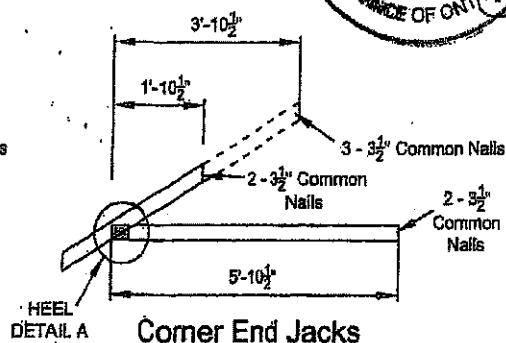
DESIGN LOAD

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.

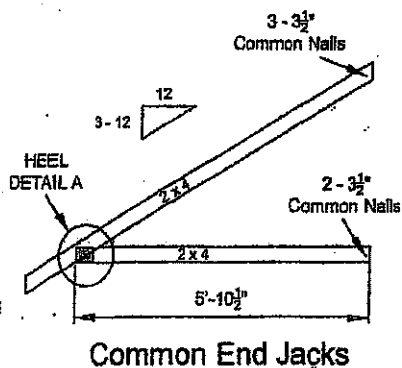
TOTAL LOAD : 50.5 P.S.F



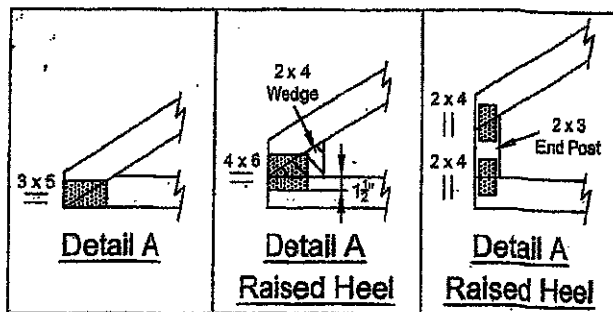
Corner Side Jacks



Corner End Jacks



Common End Jacks



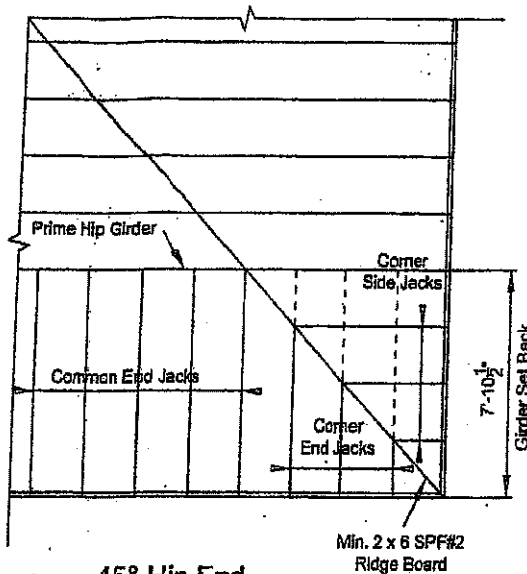
Detail A

**Detail A
Raised Heel**

**Detail A
Raised Heel**

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

T-1800216



45° Hip End

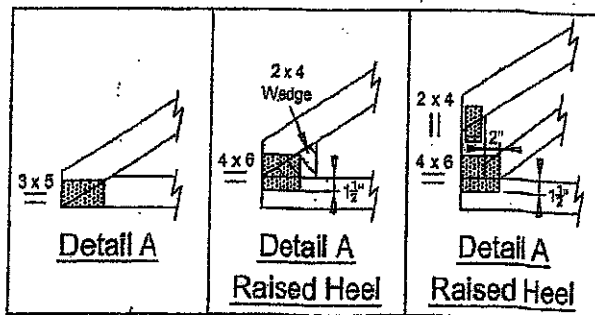
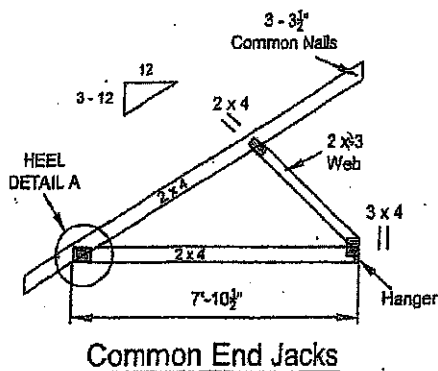
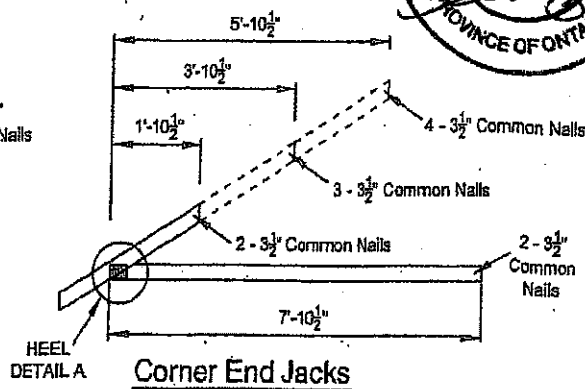
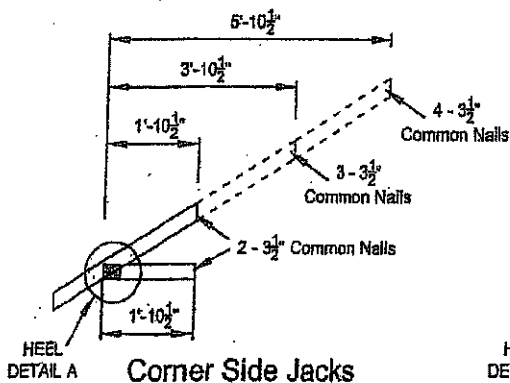
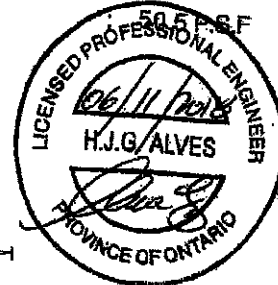
LUMBER SPECIFICATION

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

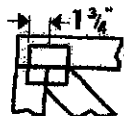


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

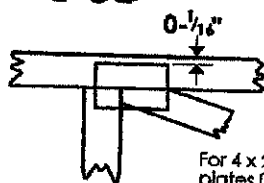
T-1800217

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/4" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

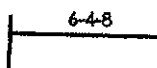


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

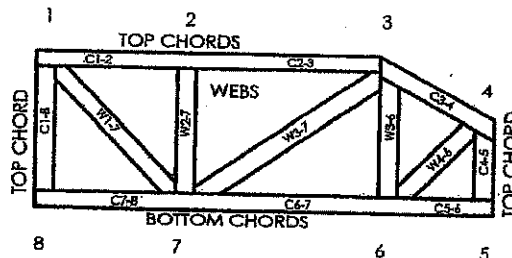
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



Alves Engineering Services Inc.

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-1800213

Feb 09, 2018