

GALE 1B
TH 95-2 / 1
TH 96-3 / 1
401786
19-07-00

GALE 1B
TH 95-1 / 1
TH 96-2 / 1
401787
19-07-00

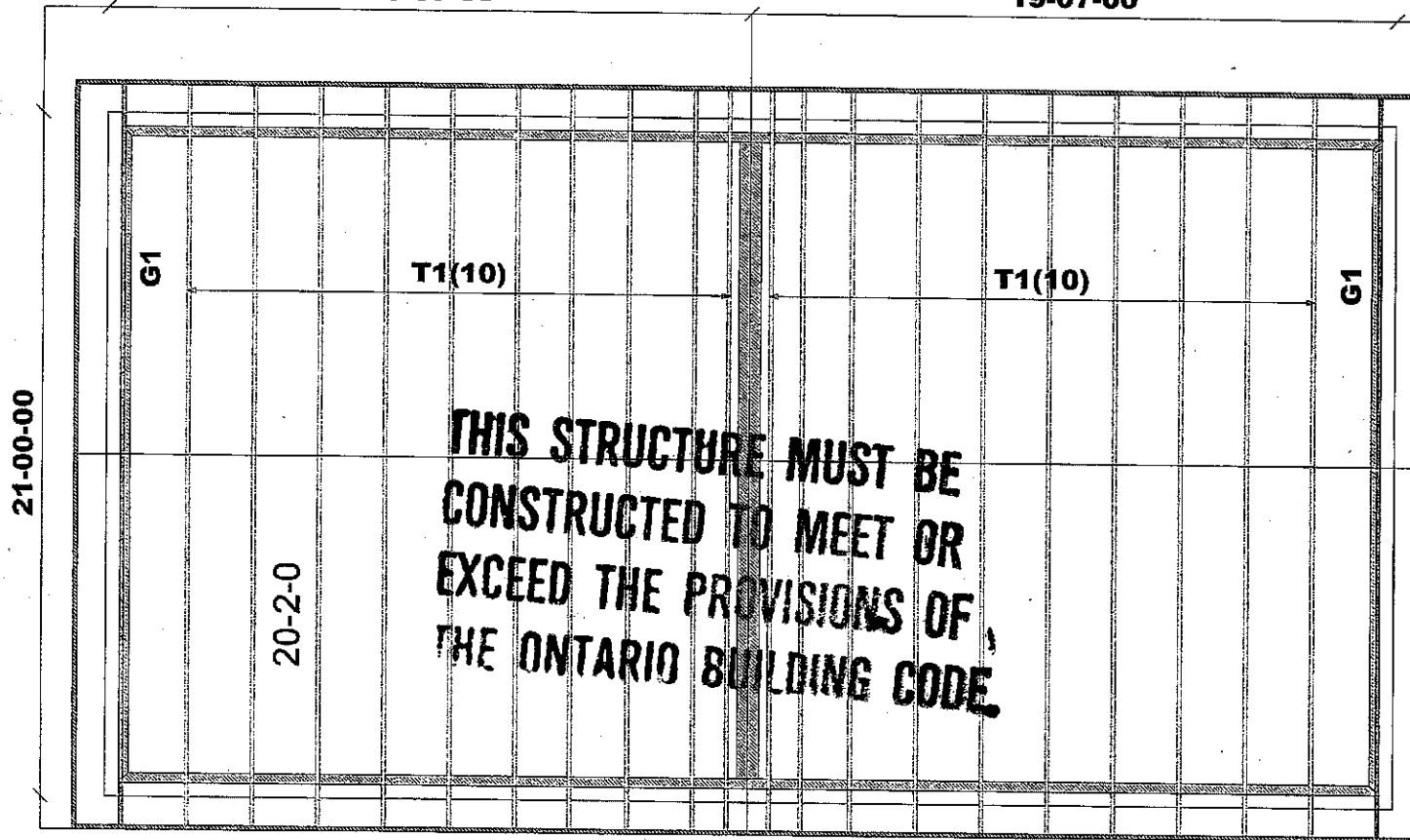
ASPHALT SHINGLES
12" FINISHED OH.
STD HEEL
2X4 EXTERIOR WALLS
2X6 FASCIA BOARD

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

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

TOWN OF CALEDON
BUILDING SECTION

RECEIVED
AUG 15 2019



Job Track: **50033**
 Plan Log: **200645**
 Layout ID: **401785**

Builder / Location:
GREEN PARK HOMES / CALEDON

Project: **LAMBERT LANE PH.2**

Date: 3/8/2019 Sales: Mario DiCano Designer: AC

Model / Elevation:

GALE 1B / 1 Block 96-3

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Milek ver 8.2.3.229

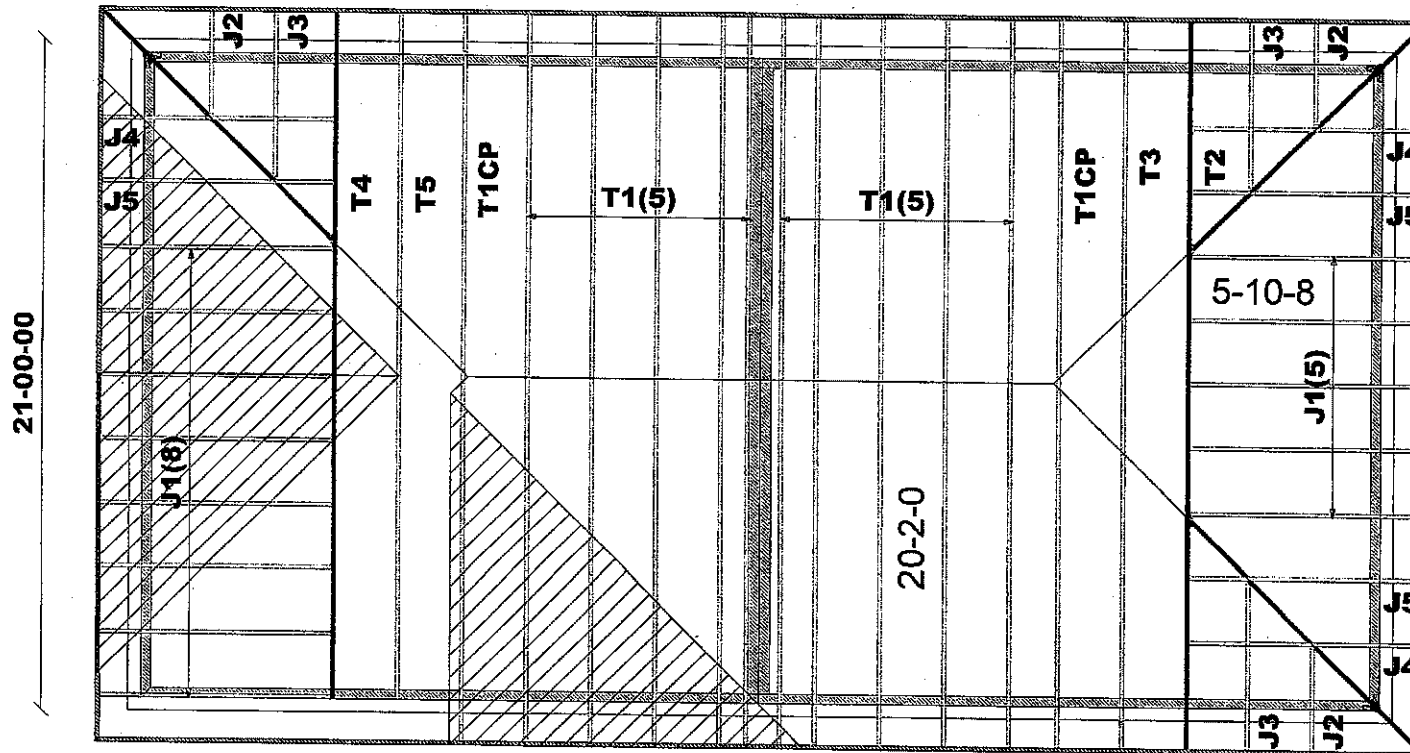
GALE 1B
TH 95-4 / 4
TH 96-5 / 3
401789

GALE 1B
TH 95-3 / 5
TH 96-4 / 2
401790

ASPHALT SHINGLES
12" FINISHED OH.
STD HEEL
2X4 EXTERIOR WALLS
2X6 FASCIA BOARD

19-07-00

19-07-00

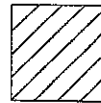


21-00-00

8/12

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

DENOTES
CONV.
FRAMING



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



Job Track **50033**

Plan Log: **200646**

Layout ID: **401788**

Builder / Location:

GREEN PARK HOMES / CALEDON

Project: **LAMBERT LANE PH.2**

Date: **3/8/2019**

Sales: **Mario DiCano**

Designer: **AC**

Model / Elevation:

GALE 1B / 2, 3, 4, 5

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Mitek ver 8.2.3.229

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: GALE 1B
 Lot #:
 Elevation: TH95-1 / 1

Job Track: 50033
 PlanLog: 200645
 Layout ID: 401786
 Ref #
 Page: 1 of 1
 Date: 03/09/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	10	T1 Common	8 / 12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	722.64 446.67		
	1	G1 GABLE	8 / 12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	80.64 51.17		

TOTAL # TRUSS= 11

TOTAL BFT OF ALL TRUSSES= 497.84

BFT. TOTAL WEIGHT OF ALL TRSSES 803.28 LBS

RECEIVED
 AUG 15 2019

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: GALE 1B
 Lot #:
 Elevation: TH95-2 / 1

Job Track: 50033
 PlanLog: 200645
 Layout ID: 401787
 Ref #
 Page: 1 of 1
 Date: 03/09/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	10	T1 Common	8 / 12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	722.64 446.67		
	1	G1 GABLE	8 / 12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	80.84 51.17		

TOTAL # TRUSS= 11

TOTAL BFT OF ALL TRUSSES= 497.84

BFT.

TOTAL WEIGHT OF ALL TRSSES 803.28 LBS



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: GALE 1B
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200646
 Layout ID: 401789
 Ref #
 Page: 1 of 1
 Date: 03/09/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	5	T1 Common	8/12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	361.32 223.33		
	1	T1CP Hip	8/12	20-02-00	7-09-09	2 x 4	1-03-08 1-03-08	4-07 4-07	72.09 44.67		
	1	T4 Half Hip Girder	8/12	20-02-00	5-01-09	2 x 4	1-03-08	4-07 4-03-07	79.99 50.33		
	1	T5 Half Hip	8/12	20-02-00	6-05-09	2 x 4	1-03-08	4-07 5-07-07	79.94 51.17		
	8	J1 Jack-Open	8/12	5-10-08	5-01-09	2 x 4	1-03-08	4-07 4-03-07	133.94 80.00		
	1	J2 Jack-Open	8/12	1-10-15	2-05-13	2 x 4	1-03-08 1-01	4-07 1-07-12	6.89 4.67		
	1	J3 Jack-Open	8/12	2-00-00	3-09-13	2 x 4	1-03-08 1-10-15	4-07 1-08-07	9.63 6.00		
	1	J4 Jack-Open	8/12	1-10-15	2-05-13	2 x 4	1-03-08 3-11-09	4-07 1-07-12	11.31 7.33		
	1	J5 Jack-Open	8/12	3-10-15	3-09-13	2 x 4	1-03-08 1-11-09	4-07 2-11-12	14.05 8.67		

TOTAL # TRUSS= 20

TOTAL BFT OF ALL TRUSSES= 476.17

BFT. TOTAL WEIGHT OF ALL TRSSES 769.17 LBS



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: GALE 1B
 Lot #:
 Elevation:

Job Track: 50033
 PlanLog: 200646
 Layout ID: 401790
 Ref #
 Page: 1 of 1
 Date: 03/09/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

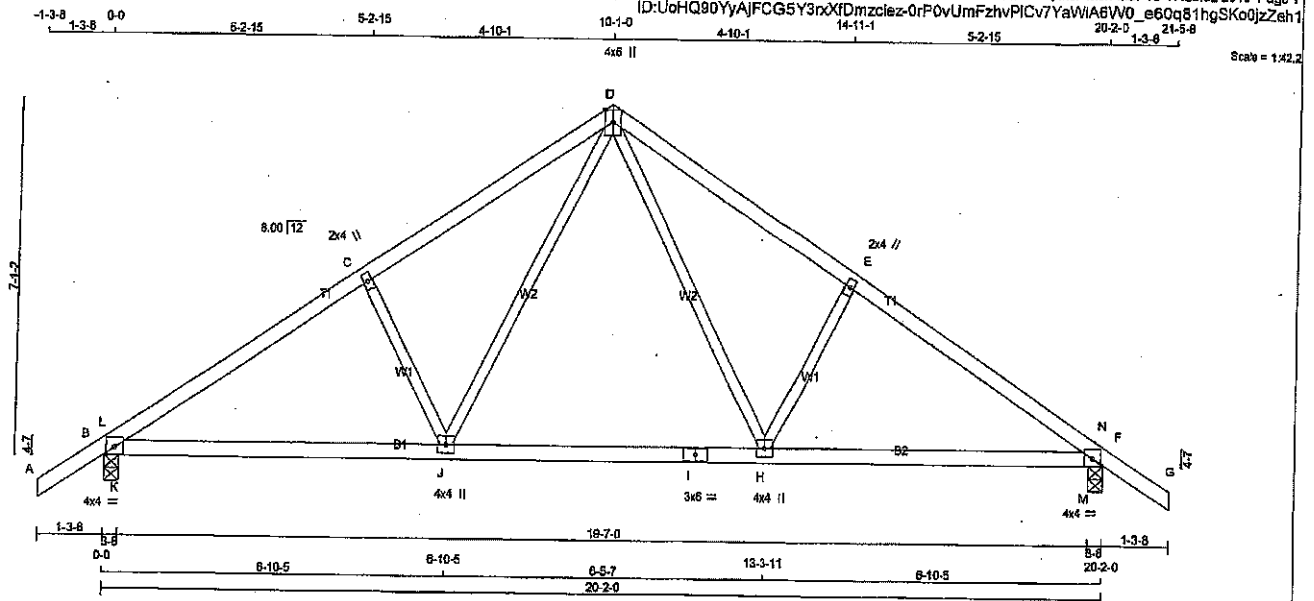
PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	5	T1 Common	8/12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	381.32 223.33		
	1	T1CP Hip	8/12	20-02-00	7-09-09	2 x 4	1-03-08 1-03-08	4-07 4-07	72.09 44.67		
	1	T2 Hip Girder	8/12	20-02-00	5-01-09	2 x 4	1-03-08 1-03-08	4-07 4-07	76.91 49.33		
	1	T3 Hip	8/12	20-02-00	6-05-09	2 x 4	1-03-08 1-03-08	4-07 4-07	74.43 47.83		
	5	J1 Jack-Open	8/12	5-10-08	5-01-09	2 x 4	1-03-08	4-07 4-03-07	83.71 50.00		
	2	J2 Jack-Open	8/12	1-10-15	2-05-13	2 x 4	1-03-08 1-01	4-07 1-07-12	13.78 9.33		
	2	J3 Jack-Open	8/12	2-00-00	3-09-13	2 x 4	1-03-08 1-10-15	4-07 1-08-07	19.27 12.00		
	2	J4 Jack-Open	8/12	1-10-15	2-05-13	2 x 4	1-03-08 3-11-09	4-07 1-07-12	22.62 14.67		
	2	J5 Jack-Open	8/12	3-10-15	3-09-13	2 x 4	1-03-08 1-11-09	4-07 2-11-12	28.1 17.33		

TOTAL # TRUSS= 21

TOTAL BFT OF ALL TRUSSES= 468.49

BFT. TOTAL WEIGHT OF ALL TRSSES 752.24 LBS

JOB NAME 401788	TRUSS NAME T1	QUANTITY 10	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



TOTAL WEIGHT = 10 X 72 = 723 lb

LUMBER

N. L. G. A. RULES	SIZE	DRY	LUMBER	DESCR.
CHORDS				
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
B - I	2x4	DRY	No.2	SPF
I - 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	4.0	4.0	1.75 2.00
C	TMW+u	MT20	2.0	4.0	
D	TTWW+u	MT20	4.0	6.0	Edge
E	TMW+u	MT20	2.0	4.0	
F	TMB1-I	MT20	4.0	4.0	1.75 2.00
H	BMWW+u	MT20	4.0	4.0	
I	BS4	MT20	3.0	6.0	
J	BMWW+u	MT20	4.0	4.0	

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
B	1356 0	1356 0	3-8	3-8
F	1356 0	1356 0	3-8	3-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM LIVE WIND DEAD SOIL
B	952 665 / 0 0 / 0 0 / 0 287 / 0 0 / 0
F	952 665 / 0 0 / 0 0 / 0 287 / 0 0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 37	-102.1 -102.1	0.14 (1)	10.00	D-H	0 / 681	0.15 (1)
B-L	-1747 / 0	-102.1 -102.1	0.07 (1)	5.00	H-E	-508 / 0	0.13 (1)
L-C	-1698 / 0	-102.1 -102.1	0.34 (1)	4.80	J-D	0 / 681	0.15 (1)
C-D	-1458 / 0	-102.1 -102.1	0.33 (1)	5.07	C-J	-508 / 0	0.13 (1)
D-E	-1458 / 0	-102.1 -102.1	0.34 (1)	5.07	K-L	-117 / 132	0.00 (1)
E-N	-1698 / 0	-102.1 -102.1	0.34 (1)	4.80	M-N	-117 / 132	0.00 (1)
N-F	-1747 / 0	-102.1 -102.1	0.07 (1)	5.00			
F-G	0 / 37	-102.1 -102.1	0.14 (1)	10.00			
B-K	0 / 1409	-18.5 -18.5	0.29 (1)	10.00			
K-J	0 / 1409	-18.5 -18.5	0.35 (1)	10.00			
J-I	0 / 903	-18.5 -18.5	0.25 (1)	10.00			
I-H	0 / 903	-18.5 -18.5	0.25 (1)	10.00			
H-M	0 / 1409	-18.5 -18.5	0.35 (1)	10.00			
M-F	0 / 1409	-18.5 -18.5	0.29 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012
- CSA 086-08, CSA 089-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.67")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.67")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.12")

CSI: TC=0.34/1.00 (C-L:1), BC=0.35/1.00 (J-K:1), WB=0.15/1.00 (D-J:1), SSI=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

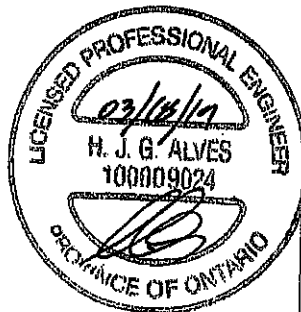
NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MT20	518 354 1687 788 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (F) (INPUT = 0.90)
JSI METAL= 0.66 (B) (INPUT = 1.00)

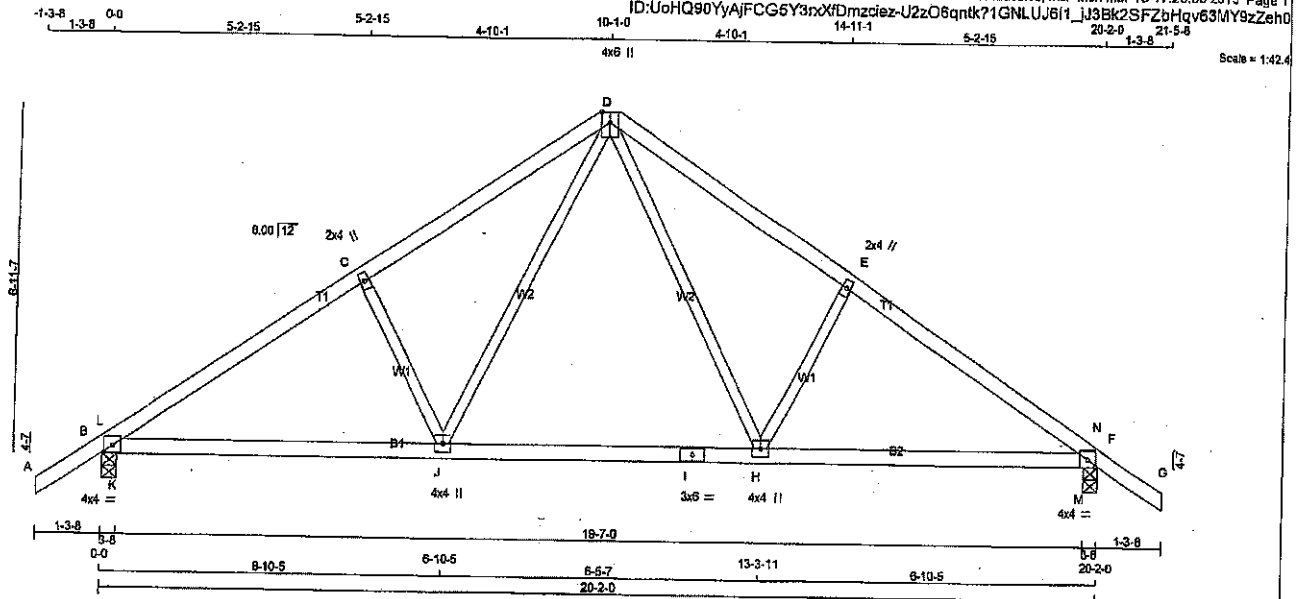


DWG NO. TAM 7905975
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401788	T1CP	2	1	TRUSS DESC.		

Tamirack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitak Industries, Inc. Mon Mar 18 17:29:33 2019 Page 1
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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - G	2x4	DRY	No.2	SPF		
B - I	2x4	DRY	No.2	SPF		
I - F	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
DRY: SEASONED LUMBER.						

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TM91-I	MT20	4.0	4.0	1.75	2.00
C	TMW+w	MT20	2.0	4.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMW+w	MT20	2.0	4.0		
F	TM91-I	MT20	4.0	4.0	1.75	2.00
H	BMWWH	MT20	4.0	4.0		
I	BS-I	MT20	3.0	6.0		
J	BMWWH	MT20	4.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
B	1366	0	1366	0
F	1366	0	1366	0

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.	LIVE	WIND	DEAD	SOIL
B	952	665 / 0	0 / 0	0 / 0	0 / 0	0 / 0	287 / 0	0 / 0
F	952	665 / 0	0 / 0	0 / 0	0 / 0	0 / 0	287 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 37	-102.1	-102.1	0.14 (1)	10.00	D-H	0 / 661 0.15 (1)
B-L	-1747 / 0	-102.1	-102.1	0.07 (1)	5.00	H-E	-508 / 0 0.13 (1)
L-C	-1688 / 0	-102.1	-102.1	0.34 (1)	4.80	J-D	0 / 661 0.15 (1)
C-D	-1458 / 0	-102.1	-102.1	0.33 (1)	5.07	C-J	-508 / 0 0.13 (1)
D-E	-1458 / 0	-102.1	-102.1	0.33 (1)	5.07	K-L	-117 / 132 0.00 (1)
E-N	-1688 / 0	-102.1	-102.1	0.34 (1)	4.80	M-N	-117 / 132 0.00 (1)
F-N	-1747 / 0	-102.1	-102.1	0.07 (1)	5.00		
F-G	0 / 37	-102.1	-102.1	0.14 (1)	10.00		
B-K	0 / 1409	-18.5	-18.5	0.29 (1)	10.00		
K-J	0 / 1409	-18.5	-18.5	0.35 (1)	10.00		
J-I	0 / 903	-18.5	-18.5	0.25 (1)	10.00		
I-H	0 / 903	-18.5	-18.5	0.25 (1)	10.00		
H-M	0 / 1409	-18.5	-18.5	0.35 (1)	10.00		
M-F	0 / 1409	-18.5	-18.5	0.29 (1)	10.00		

DESIGN CRITERIA

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

SPACING = 24.0 IN/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 8, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 8 OF BCBC 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.34/1.00 (C-L-1), BC=0.35/1.00 (J-K-1), WB=0.15/1.00 (D-J-1), SSI=0.20/1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

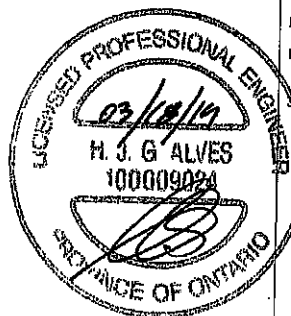
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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.

ISI GRIP=0.80 (F) (INPUT=0.80)
ISI METAL=0.68 (B) (INPUT=1.00)



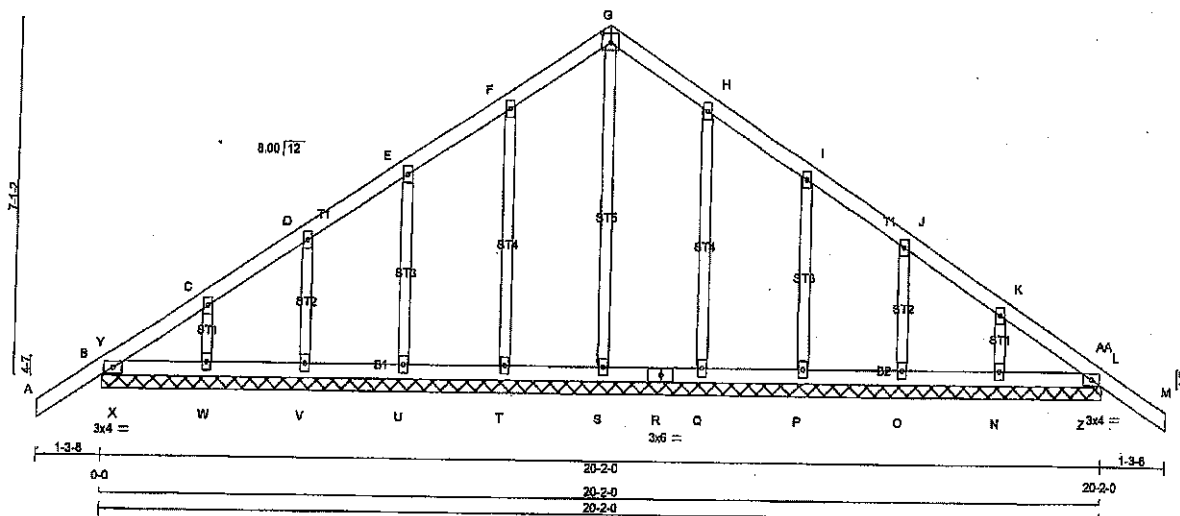
DRWG NO. TAM 17905476
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401785	G1	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MTEK Industries, Inc. Mon Mar 18 17:27:35 2019 Page 1

ID: g?LA2svpWUu2TxYSc0WdP0zd1HJ-xLmLUlsXkA0DDTeBvWJxQA3hUFawFYTmU6O?zZels
20-2-0 21-5-8
Scale = 1/4" = 1'-0"



TOTAL WEIGHT = 2 X 51 = 102 lb

LUMBER

N. L. G. A. RULES					
CHORDS		SIZE		LUMBER	DESCR
A - G	2x4	DRY	No.2		SPF
G - M	2x4	DRY	No.2		SPF
M - R	2x4	DRY	No.2		SPF
R - L	2x4	DRY	No.2		SPF

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

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/37	-102.1 -102.1	0.14 (1)	10.00	S-G	-138/0	0.12 (1)
B-Y	-87/0	-102.1 -102.1	0.01 (4)	6.25	T-F	-232/0	0.12 (1)
Y-C	-48/0	-102.1 -102.1	0.05 (1)	6.25	U-E	-196/0	0.05 (1)
C-D	-47/0	-102.1 -102.1	0.05 (1)	6.25	V-D	-188/0	0.04 (1)
D-E	-39/0	-102.1 -102.1	0.05 (1)	6.25	W-C	-205/0	0.03 (1)
E-F	-31/0	-102.1 -102.1	0.08 (1)	6.25	Q-H	-232/0	0.12 (1)
F-G	-41/0	-102.1 -102.1	0.06 (1)	6.25	P-I	-196/0	0.08 (1)
G-H	-41/0	-102.1 -102.1	0.08 (1)	6.25	O-J	-199/0	0.04 (1)
H-I	-31/0	-102.1 -102.1	0.08 (1)	6.25	N-K	-205/0	0.03 (1)
I-J	-39/0	-102.1 -102.1	0.05 (1)	6.25	X-Y	-68/2	0.00 (1)
J-K	-47/0	-102.1 -102.1	0.05 (1)	6.25	Z-AA	-88/2	0.00 (1)
K-AA	-48/0	-102.1 -102.1	0.05 (1)	6.25			
AA-L	-87/0	-102.1 -102.1	0.01 (4)	6.25			
L-M	0/37	-102.1 -102.1	0.14 (1)	10.00			
B-X	0/50	-18.5 -18.5	0.04 (1)	10.00			
X-W	0/50	-18.5 -18.5	0.04 (1)	10.00			
W-V	0/38	-18.5 -18.5	0.02 (1)	10.00			
V-U	0/32	-18.5 -18.5	0.02 (4)	10.00			
U-T	0/28	-18.5 -18.5	0.02 (4)	10.00			
T-S	0/25	-18.5 -18.5	0.02 (4)	10.00			
S-R	0/25	-18.5 -18.5	0.02 (4)	10.00			
R-Q	0/25	-18.5 -18.5	0.02 (4)	10.00			
Q-P	0/28	-18.5 -18.5	0.02 (4)	10.00			
P-O	0/32	-18.5 -18.5	0.02 (4)	10.00			
O-N	0/38	-18.5 -18.5	0.02 (1)	10.00			
N-Z	0/50	-18.5 -18.5	0.04 (1)	10.00			
Z-L	0/50	-18.5 -18.5	0.04 (1)	10.00			

A circular seal for a Professional Engineer. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF TEXAS" at the bottom. The center of the seal features a five-pointed star.

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN./C

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

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

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

CS: TC=0.14/1.00 (L-M:1), BC=0.04/1.00 (B-X:1), WB=0.12/1.00 (H-Q:1), SS=0.09/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

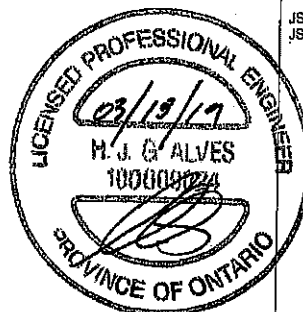
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MIN	MAX	MIN
MT20	618	354
1857	788	1857
1856		

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.47 (G) (INPUT = 0.90)
JSI METAL= 0.12 (H) (INPUT = 1.00)



DRWG NO. TAM T1903473
STRUCTURAL
(DRAWING ONLY)

RECEIVED
AUG 15 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO.

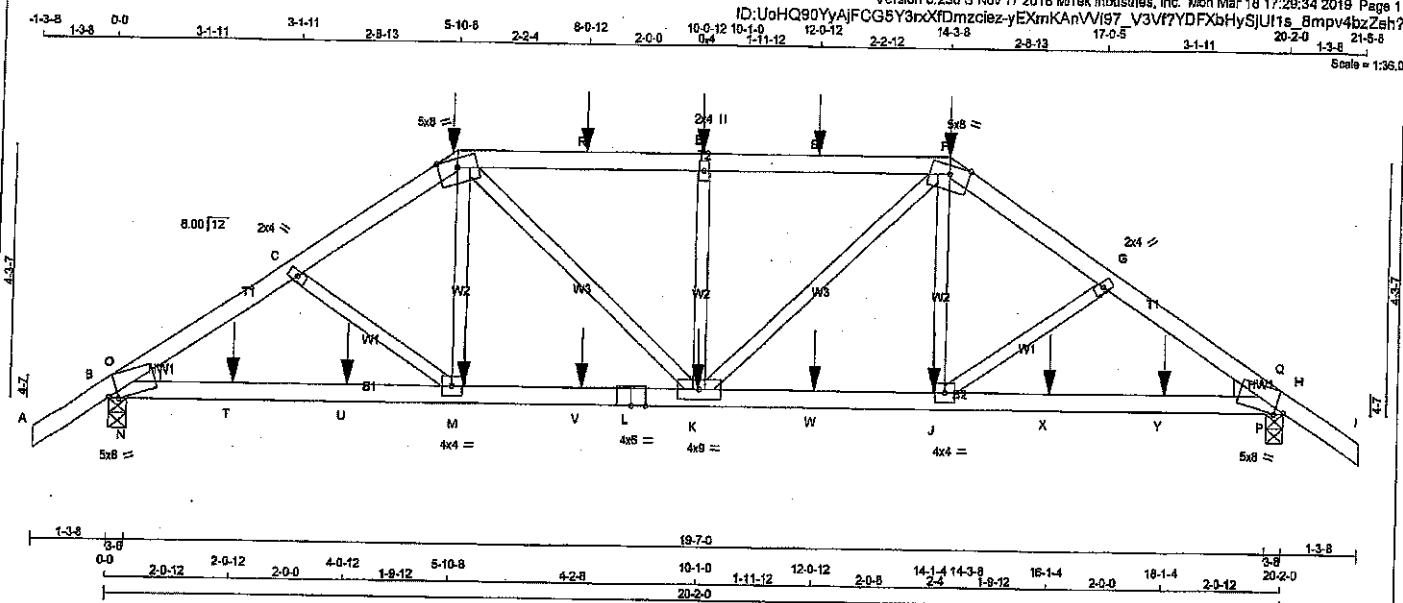
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401788	T2	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 17:29:34 2019 Page 1

ID:UoHQ90YyAFcG5Y3nXfDmzciez-yEXmKArVvI97_V3VP7YDFXbHySJUI1s_8mpv4bzZah?

Scale = 1:38.0



LUMBER

N.L.G.A. RULES

CHORDS

A - D 2x4 DRY No.2 SPF

D - F 2x4 DRY No.2 SPF

F - I 2x4 DRY No.2 SPF

B - L 2x4 DRY No.2 SPF

L - H 2x4 DRY No.2 SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

BEARINGS

FACTORED GROSS REACTION

JT VERT 2375 0 2375 0 0 3-8 3-8

B 2375 0 2375 0 0 3-8 3-8

H 2374 0 2374 0 0 3-8 3-8

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 42.4 PSF

TOTAL WEIGHT = 77 lb

SPACING = 24.0 IN. C/C

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

ALLOWABLE DEFL. (LL) = L/360 (0.67")

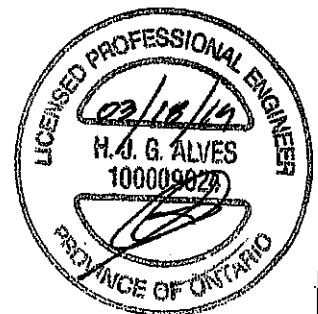
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")

ALLOWABLE DEFL. (TL) = L/360 (0.67")

CALCULATED VERT. DEFL. (TL) = L/999 (0.19")

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401788	T2	1	1	TRUSS DESC.		
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 17:29:35 2019 Page 2 ID:UoHQ90YvAFCG5Y3nXfDmzciez-QQ58XWo7GcH_cfaID3Sok8Ris2j1U67MQYTc2zZeh		

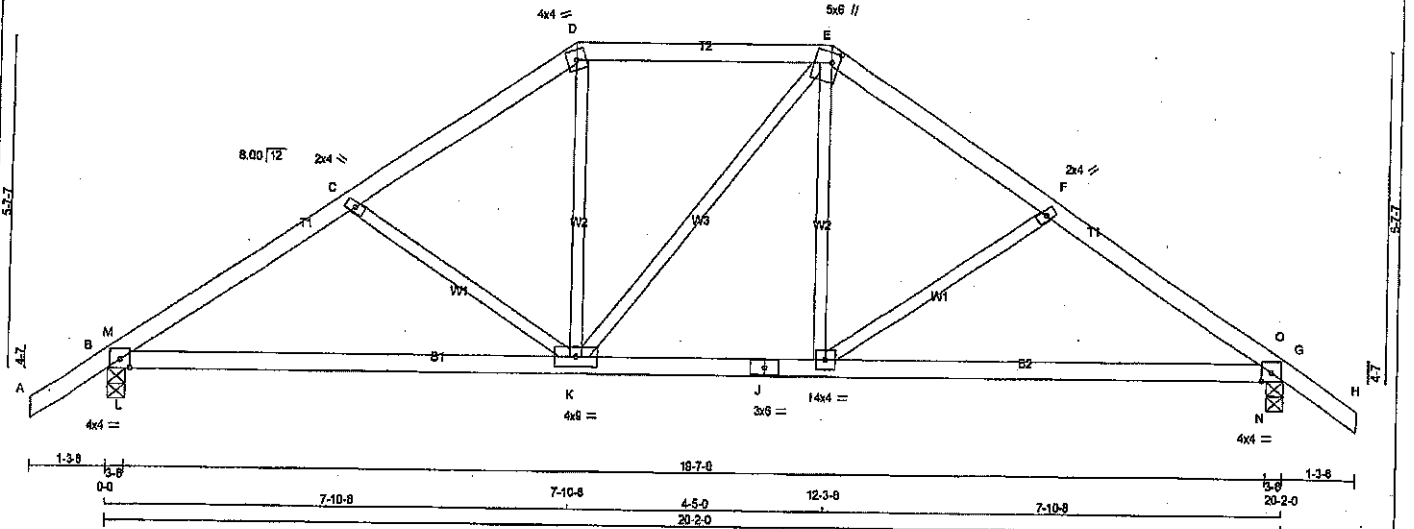
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
W	12-0-12	-74	-74	—	BACK	VERT	TOTAL	—	—
X	18-1-4	-44	-44	—	BACK	VERT	TOTAL	—	—
Y	18-1-4	-67	-67	—	BACK	VERT	TOTAL	—	—



DWG NO. TAM 77905477
STRUCTURAL
COMPONENT ONLY 3/2

JOB NAME 401788	TRUSS NAME T3	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 18 17:28:36 2018 Page 1
 ID: UeHQ90YyAJFCG5Y3nXfDmzciez-udfWspm1wQrEpDunQahKxh14GTumykHb3I08Uzzegz
 1-3-8 0-0 4-1-11 4-1-11 3-8-13 7-10-8 4-5-0 12-3-8 3-8-13 16-0-5 4-1-11 20-2-0 1-3-8
 Scale = 1:35.0



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	
B - J	2x4	DRY	No.2	SPF	
J - 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
B	TM91-I	MT20	4.0	4.0	1.75	2.00	
C	TMW-w	MT20	2.0	4.0			
D	TMW-m	MT20	4.0	4.0			
E	TMW-w	MT20	5.0	6.0	2.00	1.50	
F	TMW-w	MT20	2.0	4.0			
G	TM91-I	MT20	4.0	4.0	1.75	2.00	
I	BMWW-I	MT20	4.0	4.0			
J	BS-I	MT20	3.0	6.0			
K	BMWW-I	MT20	4.0	8.0			

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
B	1356	0	1356	0
G	1356	0	1356	0

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
B	952	685 / 0	0 / 0	0 / 0	287 / 0
G	952	685 / 0	0 / 0	0 / 0	287 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.82 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
A-B	0 / 37	-102.1	-102.1	0.14 (1)	10.00	C-K	-432 / 0	0.17 (1)	
B-M	-1891 / 0	-102.1	-102.1	0.12 (4)	4.83	K-D	0 / 366	0.08 (1)	
M-C	-1727 / 0	-102.1	-102.1	0.22 (1)	4.87	K-E	0 / 0	0.00 (1)	
C-D	-1356 / 0	-102.1	-102.1	0.20 (1)	5.37	E-F	0 / 365	0.08 (1)	
D-E	-1113 / 0	-102.1	-102.1	0.27 (1)	5.69	F-G	-433 / 0	0.17 (1)	
E-F	-1356 / 0	-102.1	-102.1	0.20 (1)	5.37	L-M	0 / 280	0.00 (1)	
F-G	-1728 / 0	-102.1	-102.1	0.22 (1)	4.87	N-O	0 / 262	0.00 (1)	
G-H	-1933 / 0	-102.1	-102.1	0.12 (4)	4.82				
H-I	0 / 37	-102.1	-102.1	0.14 (1)	10.00				
I-J	0 / 1459	-18.5	-18.5	0.28 (1)	10.00				
J-K	0 / 1459	-18.5	-18.5	0.36 (1)	10.00				
K-L	0 / 1112	-18.5	-18.5	0.28 (1)	10.00				
L-M	0 / 1112	-18.5	-18.5	0.28 (1)	10.00				
M-N	0 / 1459	-18.5	-18.5	0.36 (1)	10.00				
N-G	0 / 1459	-18.5	-18.5	0.28 (1)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.87")
 CALCULATED VERT. DEFL. (LL) = L/989 (0.04")
 ALLOWABLE DEFL. (TL) = L/360 (0.87")
 CALCULATED VERT. DEFL. (TL) = L/999 (0.14")

CSI: TC=0.27/1.00 (D-E:1), BC=0.36/1.00 (I-N:1), WB=0.17/1.00 (F-I:1), SSI=0.25/1.00 (G-N:4)

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

COMPANION LIVE LOAD FACTOR = 1.00

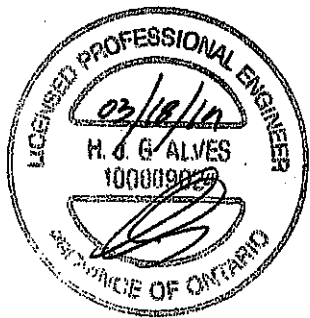
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX	MIN	MAX MIN
MT20	618	354	1667 788 1987 1665

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (B) (INPUT = 0.90)
 JSI METAL= 0.65 (B) (INPUT = 1.00)



DRWG NO. TAM 7905478
 STRUCTURAL
 COMBINATION 1000

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Mon Mar 18 17:29:37 2019 Page 1
ID:UoHQ90YyAJFCG5Y3rxXfDmzcIez-MpCvyCqOpDYIrzo4L85wt9DkjkfJVGJQqj1ZgwZegzy
10-7-12 15-3-12 20-2-0



PLATES (table is in inches)

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

BEARINGS:

UNFACTORED REACTIONS

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

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)

J-F 01/10/86 0.27 (1)
 M-N 01/29/86 0.00 (1)

03/18/10
 M. J. G. ALVES
 100009074
 PROVINCE OF ONTARIO

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX ₁	MAX ₂	FACE	DIR.	TYPE	HEEL	CONN.
D	5-10-8	-483	-483	—	FRONT	VERT	TOTAL	—	—
K	10-1-4	-74	-74	—	FRONT	VERT	TOTAL	—	—
L	6-1-4	-74	-74	—	FRONT	VERT	TOTAL	—	—
O	8-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—
P	10-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—
Q	12-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—
R	14-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—
S	16-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—
T	18-1-4	-180	-180	—	FRONT	VERT	TOTAL	—	—

SPECIFIED LOADS:

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.67")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.11")
 ALLOWABLE DEFL.(TL) = $L/360$ (0.67")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.20")

CSI: TC=0.85/1.00 (E-F:1), BC=0.67/1.00 (L-M:1),
WB=0.78/1.00 (G-I:1), SSI=0.46/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

RAIL VALUES					
PLATE	GRIP(DRY)		SHEAR		SECTION
	(PSI)		(PLI)		(PLI)
	MAX	MIN	MAX	MIN	MAX MIN
MT20	618	354	1667	786	1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg

ISI GRIP= 0.76 (I) (INPUT = 0.80)
ISI METAL= 0.81 (K) (INPUT = 1.00)

DWG NO. TAM 77905479
STRUCTURAL
COMPONENTS ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401788	T4	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2016 MITek Industries, Inc. Mon Mar 18 17:29:38 2019 Page 2
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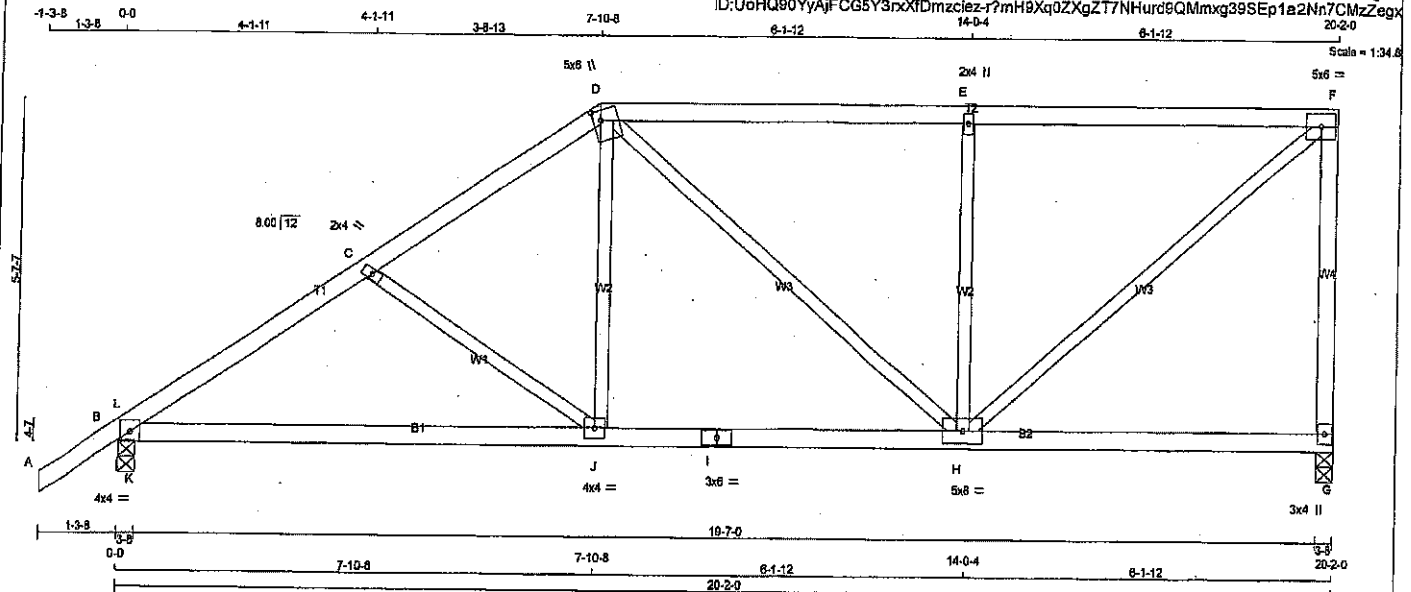
FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	2-0-12	-67	-67	---	FRONT	VERT	TOTAL	---	---
V	4-0-12	-44	-44	---	FRONT	VERT	TOTAL	---	---
W	8-1-4	-74	-74	---	FRONT	VERT	TOTAL	---	---
X	12-1-4	-74	-74	---	FRONT	VERT	TOTAL	---	---
Y	14-1-4	-74	-74	---	FRONT	VERT	TOTAL	---	---
Z	16-1-4	-74	-74	---	FRONT	VERT	TOTAL	---	---
AA	18-1-4	-74	-74	---	FRONT	VERT	TOTAL	---	---



DWG NO. TAM 71705479
STRUCTURAL
COMPONENT ONLY
2/2

JOB NAME 401788	TRUSS NAME T5	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Mon Mar 16 17:29:38 2015 Page 1
ID:UoHQ90YyAjFCG5Y3nxYfDmzciez-r?mH8Xq0ZXgZT7NHurd6QMmxg39SEp1a2Nn7CMzZegx



TOTAL WEIGHT = 80 lb

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

PLATES (table in inches)	W	LEN	Y	X
JT TYPE				
B TMB1+1	MT20	4.0	4.0	1.75 2.00
C TMBW+1	MT20	2.0	4.0	
D TTWW+m	MT20	5.0	8.0	2.00 1.50
E TMBW+1	MT20	2.0	4.0	
F TMBW+1	MT20	5.0	8.0	
G BMBV+1	MT20	3.0	4.0	
H BMBVWW+1	MT20	5.0	8.0	
I BS-1	MT20	3.0	6.0	
J BMBWW+1	MT20	4.0	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		
G	1216	0	1216	0	3-8	3-8
B	1356	0	1356	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	856	586 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
B	992	665 / 0	0 / 0	0 / 0	0 / 0	267 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRAC (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 / 37	-102.1	-102.1	0.14 (1)	10.00	C-J	-431 / 0	0.17 (1)	
B-L	-1924 / 0	-102.1	-102.1	0.14 (4)	4.63	J-D	0 / 389	0.09 (1)	
L-C	-1729 / 0	-102.1	-102.1	0.28 (1)	4.77	D-H	-52 / 0	0.07 (1)	
C-D	-1359 / 0	-102.1	-102.1	0.27 (1)	5.26	H-E	-777 / 0	0.37 (1)	
D-E	-1076 / 0	-102.1	-102.1	0.71 (1)	4.67	E-F	0 / 1421	0.32 (1)	
E-F	-1076 / 0	-102.1	-102.1	0.71 (1)	4.67	K-L	0 / 265	0.00 (1)	
G-F	-1167 / 0	0.0	0.0	0.67 (1)	7.38				
B-K	0 / 1460	-18.5	-18.5	0.26 (1)	10.00				
K-J	0 / 1460	-18.5	-18.5	0.35 (1)	10.00				
J-I	0 / 1116	-18.5	-18.5	0.30 (1)	10.00				
I-H	0 / 1116	-18.5	-18.5	0.30 (1)	10.00				
H-G	0 / 0	-18.5	-18.5	0.15 (4)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN./C/C

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

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

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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.71/1.00 (E-F:1), BC=0.35/1.00 (J-K:1), WB=0.37/1.00 (E-H:1), SS=0.31/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

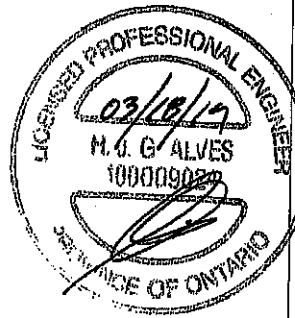
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.80 (B) (INPUT = 0.80)
SI METAL= 0.69 (B) (INPUT = 1.00)

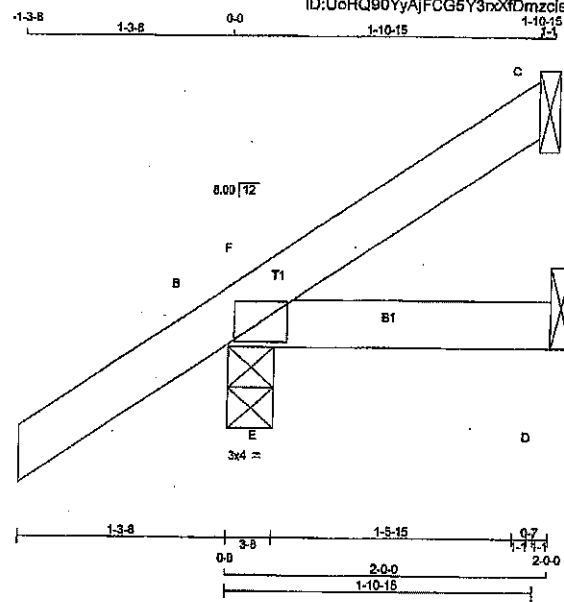


DWG NO. TAM 1705480
STRUCTURAL
COMPONENT ONLY

JOB NAME 401788	TRUSS NAME J2	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:13.1

LUMBER

N.L.G.A. RULES	CHORDS	SIZE	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-I	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
C	62	62	1-8	1-8
B	308	308	3-8	3-8
D	5	16	1-8	1-8

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
C	43	33 / -12	0 / 0	0 / 0	9 / 0	0 / 0
B	212	164 / 0	0 / 0	0 / 0	48 / 0	0 / 0
D	5	0 / -16	0 / 0	0 / 0	11 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (PLF)
FR-TO						FR-TO		
A-B	0 / 37	-102.1	-102.1	0.14 (1)	10.00	E-F	0 / 182	0.00 (1)
B-F	-136 / 0	-102.1	-102.1	0.13 (5)	6.25			
F-C	-11 / 0	-102.1	-102.1	0.04 (1)	6.25			
B-E	0 / 0	-18.5	-18.5	0.06 (5)	10.00			
E-D	0 / 0	-18.5	-18.5	0.06 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

CS: TC=0.14/1.00 (A-B:1), BC=0.08/1.00 (B-E:5), WB=0.00/1.00 (E-F:1), SS=0.13/1.00 (B-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

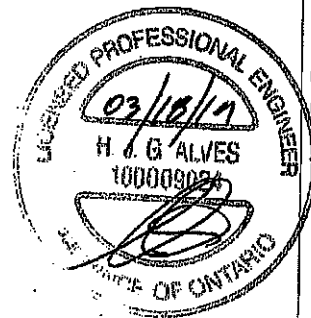
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.23 (B) (INPUT = 0.50)
SI METAL= 0.05 (B) (INPUT = 1.00)

RECEIVED
AUG 15 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO.

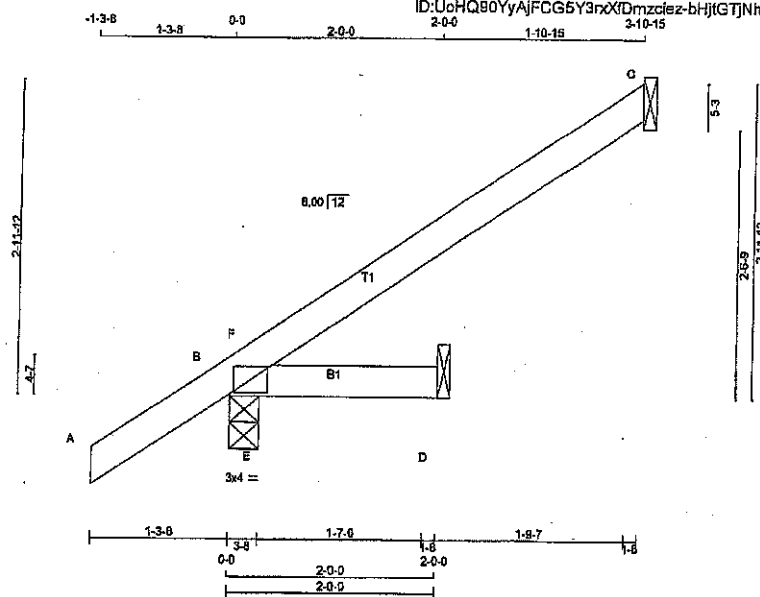


DWG NO. 1.1 AM T1905482
STRUCTURAL
COMPONENT ONLY

JOB NAME 401788	TRUSS NAME J3	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:UoHQ80YyAFCG5Y3nxIDmzciez-bHjIGTJNhmXrukBYISy2YTUyRR6rdqcF_U58POzZeh4

Scale = 1:20.1



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-I MT20 3.0 4.0

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

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT						
C	159	0	159	0	1-8	1-8
B	319	0	319	0	3-8	3-8
D	99	0	99	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN COMPONENT REACTIONS					DEAD	SOIL
		SNOW	LIVE	PERM.LIVE	WIND			
C	109	90/0	0/0	0/0	0/0	19/0	0/0	0/0
B	221	170/0	0/0	0/0	0/0	51/0	0/0	0/0
D	70	47/0	0/0	0/0	0/0	23/0	0/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		FACTORED		WEBS		MAX. FACTORED	
	FORCE (LBS)	VERT. LOAD (PLF)	LC1 (PLF)	MAX (LC)	MEMB. FORCE (LBS)	MAX (LC)	FORCE (LBS)	MAX (LC)
FR-TO								
A-B	0/37	-102.1	-102.1	0.14 (1)	10.00	10.00	0/0	0.00 (1)
B-F	0/194	-102.1	-102.1	0.16 (1)	10.00	10.00	0/0	0.00 (1)
F-C	-14/0	-102.1	-102.1	0.17 (1)	6.25	6.25	0/0	0.00 (1)
B-E	0/0	-18.5	-18.5	0.19 (1)	10.00	10.00	0/0	0.00 (1)
E-D	0/0	-18.5	-18.5	0.19 (1)	10.00	10.00	0/0	0.00 (1)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN/C

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

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

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

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

CSI: TC=0.17/1.00 (C-F:1), BC=0.19/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.38/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)



DRWG NO. TAM 7705483
STRUCTURAL
COMPONENT / MIN

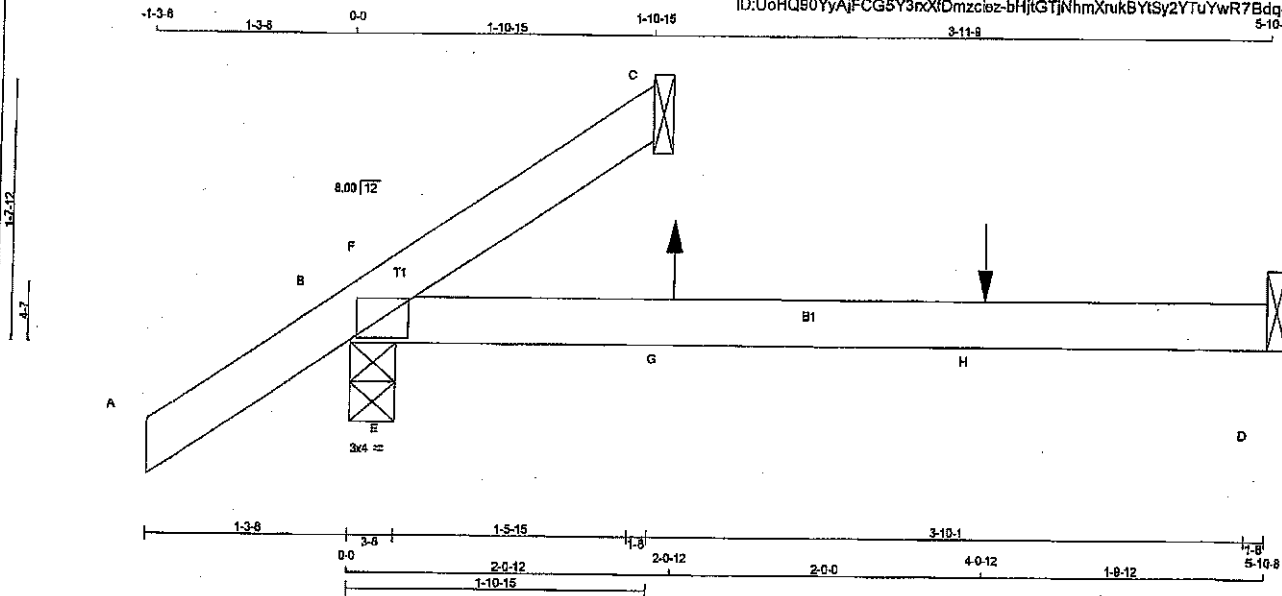
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
401788	J4	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:13.4



TOTAL WEIGHT = 3 X 11 = 34 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

LUMBER

No.2

No.2

DESCR.

SPF

SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X

B TM81-I MT20 3.0 4.0

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

BUILDING DESIGNER

BEARINGS

JT	FACTORED		MAXIMUM FACTORED		INPUT	REQRD
	GROSS REACTION	GROSS REACTION	DOWN	UP		
C	112	0	112	0	1-8	1-8
B	318	0	318	0	3-8	3-8
D	88	0	88	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN COMPONENT REACTIONS		PERM.LIVE	WIND	DEAD	SOIL
		SNOW	LIVE				
C	81	44 / 0	0 / 0	0 / 0	0 / 0	37 / 0	0 / 0
B	222	163 / 0	0 / 0	0 / 0	0 / 0	59 / 0	0 / 0
D	84	25 / -4	0 / 0	0 / 0	0 / 0	39 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (7)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED		MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
		VERT. LOAD (PLF)	LC1 MAX CSI (LC)				
FR-TO							
A-B	0 / 37	-102.1	-102.1 0.14 (1)	10.00	E-F	0 / 403	0.00 (1)
B-F	-301 / 0	-102.1	-102.1 0.13 (1)	8.25			
F-C	-1 / 21	-102.1	-102.1 0.13 (4)	10.00			
B-E	0 / 0	-18.5	-18.5 0.13 (1)	10.00			
E-G	0 / 0	-18.5	-18.5 0.17 (1)	10.00			
G-H	0 / 0	-18.5	-18.5 0.17 (1)	10.00			
H-D	0 / 0	-18.5	-18.5 0.17 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2-0-12	8	1	23	BACK	VERT	TOTAL	-	-
H	4-0-12	-80	-80	-	BACK	VERT	TOTAL	-	-

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, NBCC 2015
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.05")

CSI: TC=0.14/1.00 (A-B:1), BC=0.17/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.29/1.00 (B-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

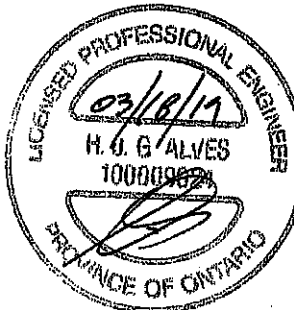
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

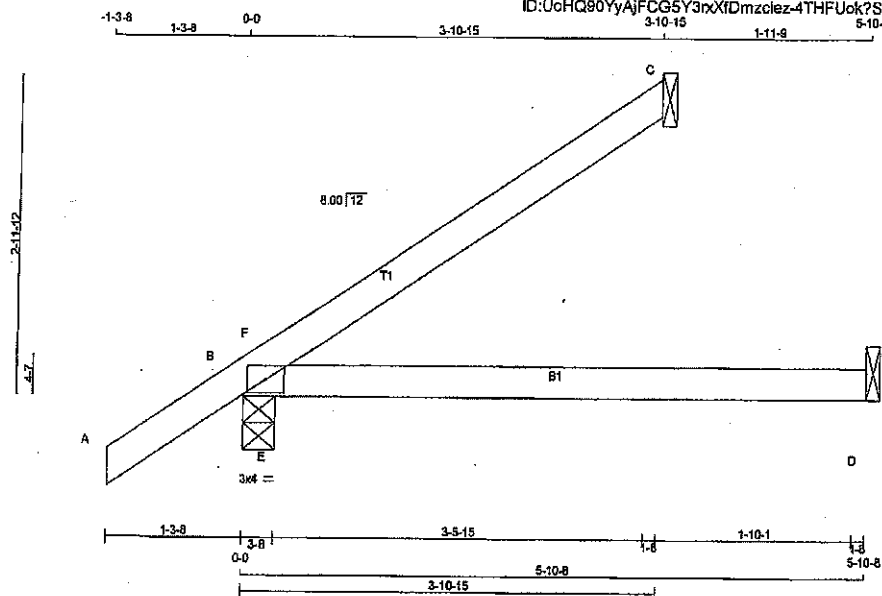


DRWG NO. 1/11 17905484
STRUCTURAL
COMPUTER ONLY

JOB NAME 401788	TRUSS NAME J5	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:19.8

TOTAL WEIGHT = 3 X 14 = 42 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

LUMBER

No.2

DESCR.

SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE PLATES

B TMB1-I MT20

W

LEN

Y

X

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

BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	UP/LIFT
C	188	0	188	0
B	398	0	398	0
D	62	0	62	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	130	89/0	0/0	0/0	0/0	31/0	0/0
B	279	198/0	0/0	0/0	0/0	81/0	0/0
D	48	9/0	0/0	0/0	0/0	39/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 8.25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO								
A-B	0/37	-102.1	-102.1	0.14 (1)	10.00	E-F	-155/130	0.00 (1)
B-F	-96/0	-102.1	-102.1	0.10 (4)	8.25			
F-C	0/7	-102.1	-102.1	0.23 (1)	10.00			
B-E	0/0	-18.5	-18.5	0.08 (1)	10.00			
E-D	0/0	-18.5	-18.5	0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2016, OBC 2012
- CSA 086-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL)= 1/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.03")
ALLOWABLE DEFL.(TL)= 1/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/920 (0.08")

CSI: TC=0.23/1.00 (C-F:1), BC=0.15/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS=0.18/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

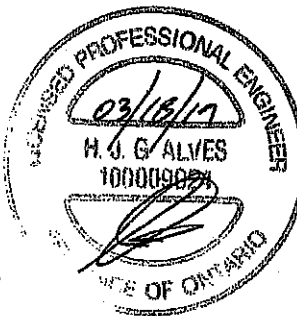
PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL = 5.0 Deg.

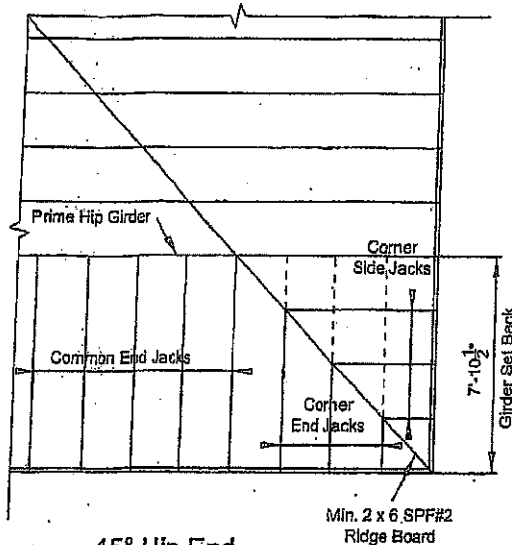
JSI GRIP= 0.30 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

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TOWN OF CALEDON
BUILDING SECTION
FILE NO



DWG NO. 11907485
STRUCTURAL
COMPONENT ONLY



45° Hip End

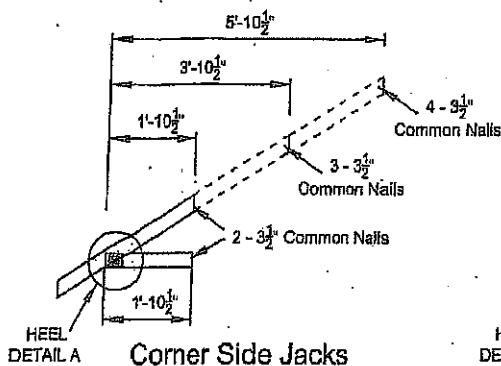
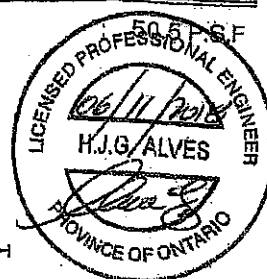
LUMBER SPECIFICATION

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

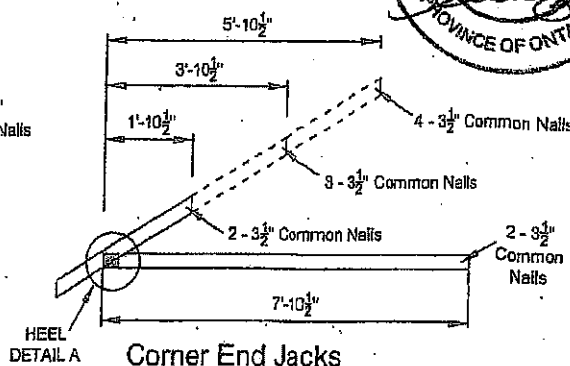
DESIGN LOAD

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.

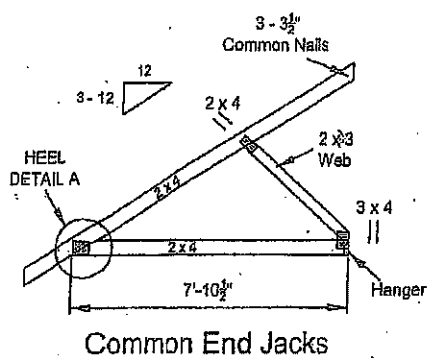
TOTAL LOAD



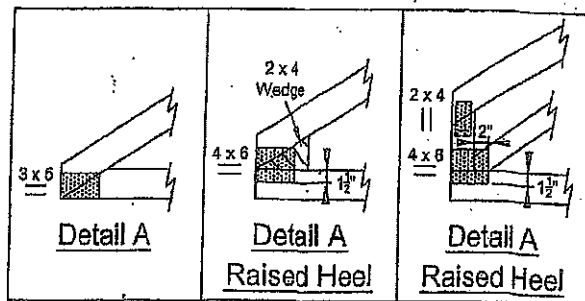
Corner Side Jacks



Corner End Jacks



Common End Jacks

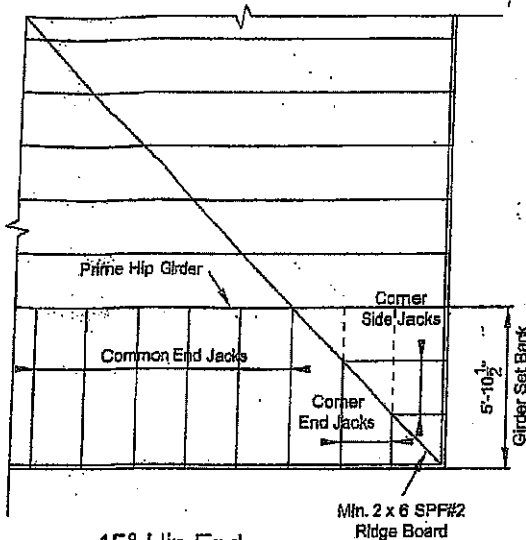


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800217

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TOWN OF CALEDON
BUILDING SECTION
FILE NO.



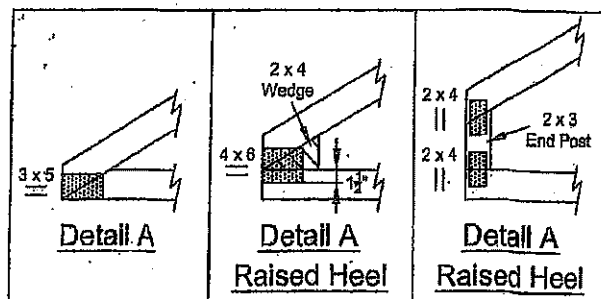
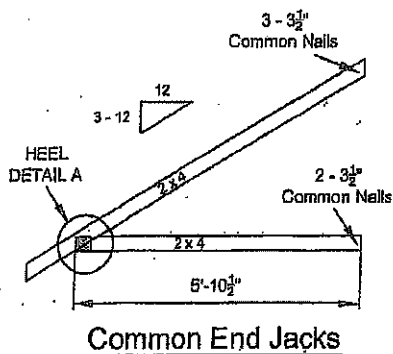
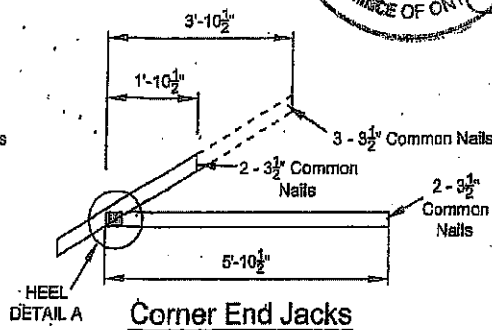
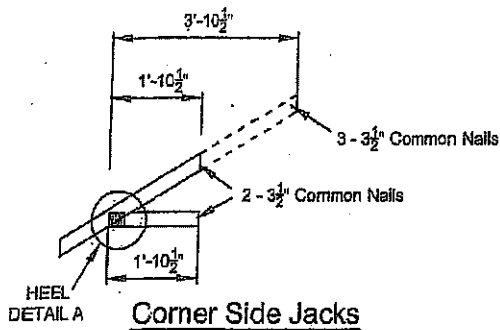
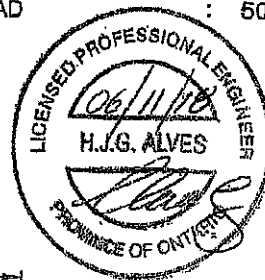
LUMBER SPECIFICATION

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.

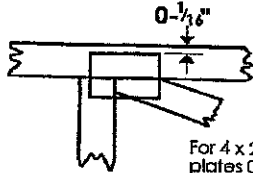
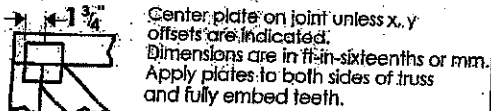


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800216

Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0-1/8\" 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

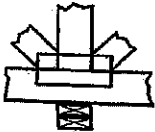
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



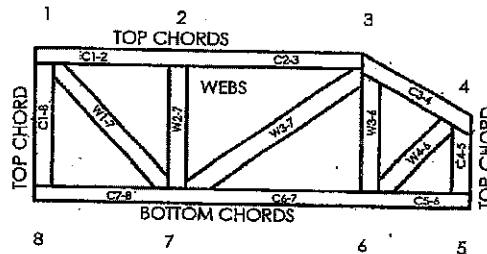
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate-Connected Wood Trusses
DSB-B9: 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

6-4-8 dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

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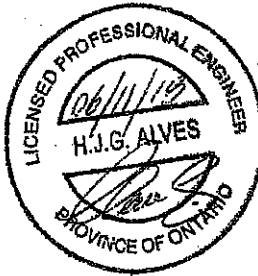
MiTek
POWER TO PERFORM.™

MiTek Engineering Reference Sheet: MI-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.

F-1900218

Feb 09, 2018