ASPHALT SHINGLES
12"FINISH O.H.
R.T.M.C
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:

LUS26-2 -(U)
LUS24 - (O)

10/12 PITCHES (TYP.)
UNLESS NOTED

NOTE:

ALL B-2-2X10 (FLUSH)

PRELIMINARY
LAYOUT ONLY
T-170587

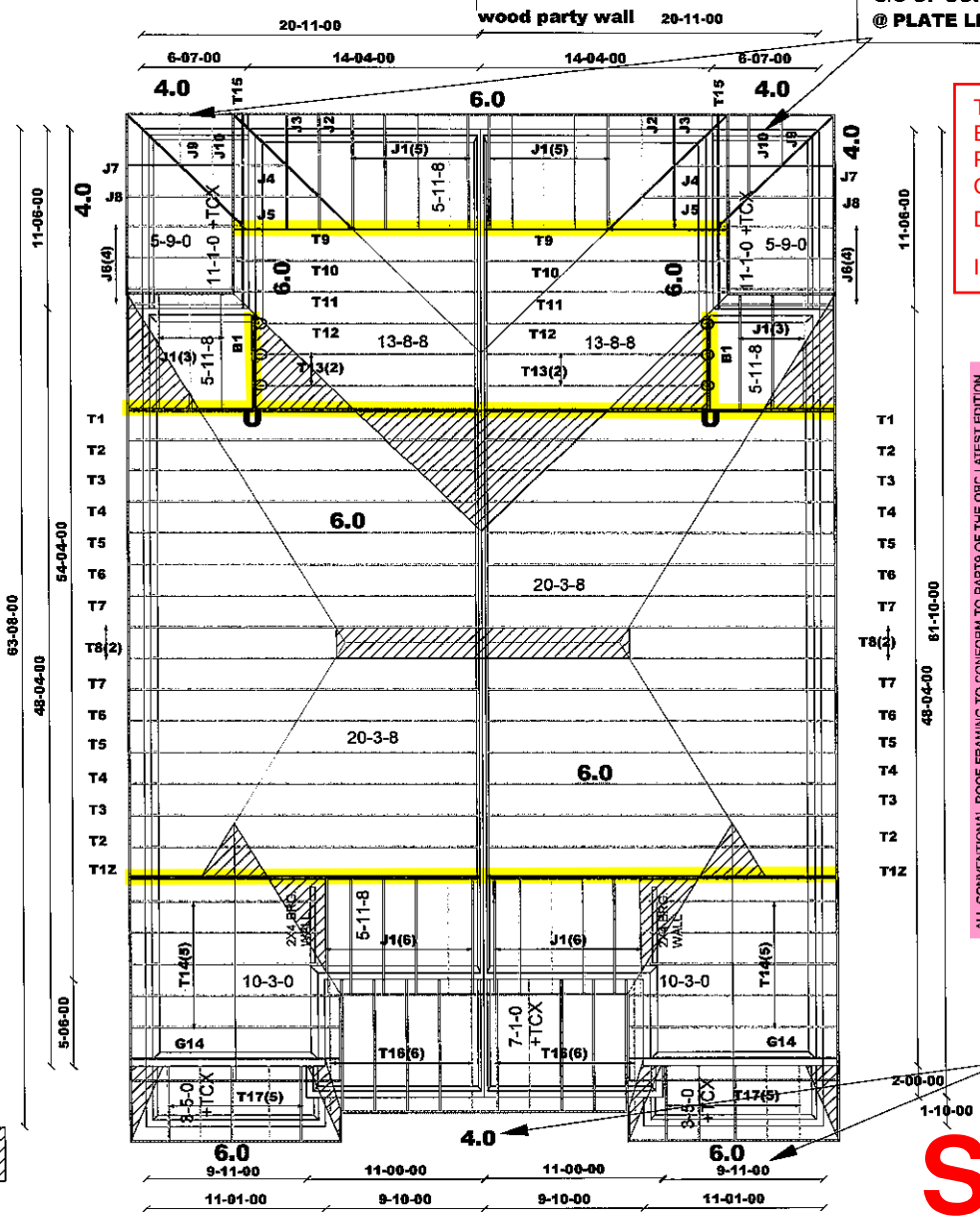
DENOTES:
CONVENTIONAL
FRAMING

EL:A (STD/OPT)
286652

EL:A (STD/OPT)(REV)
286652

Center line of
wood party wall

PLATE HEIGHT 8'-4"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)



TOWN OF BRADFORD WEST GWILLIMBURY
BUILDING DEPARTMENT
PLANS EXAMINED
ONTARIO BUILDING CODE APPLIES
DATE: 2018-10-19
INSPECTOR: BG

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART9 OF THE OBC,LATEST EDITION
ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"X4"SPF@24"o.c.
WITH A 2"X4"SPF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT.
POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE
BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN LOADS:
SNOW LOAD 32.5 PSF
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

PLATE HEIGHT 7'-10"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)

SITE COPY

M11,432

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track: **44755**
Layout ID: **286651**
Plan Log: **93746**

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**
Project: **GREEN VALLEY EAST**
Date: **05-Feb-18** Designer: **sonny**

Model / Elevation: **SD25-3 SONOMA3/ EL:A(STD/OPT) PAIRED WITH EL:A(STD/OPT.)(REV.)**

Mitek ver 7.5.0

ASPHALT SHINGLES
12"FINISH O.H.
R.T.M.C
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:

LUS26-2 -(U)
LUS24 - (O)
LJS26DS -(V)

10/12 PITCHES (TYP.)
UNLESS NOTED

NOTE:

ALL B-2-2X10 (FLUSH)

H -18" HIGHER PLATE
+ 6" RAISED FASCIA

(PLEASE CONFIRM)

PRELIMINARY
LAYOUT ONLY
T-170587

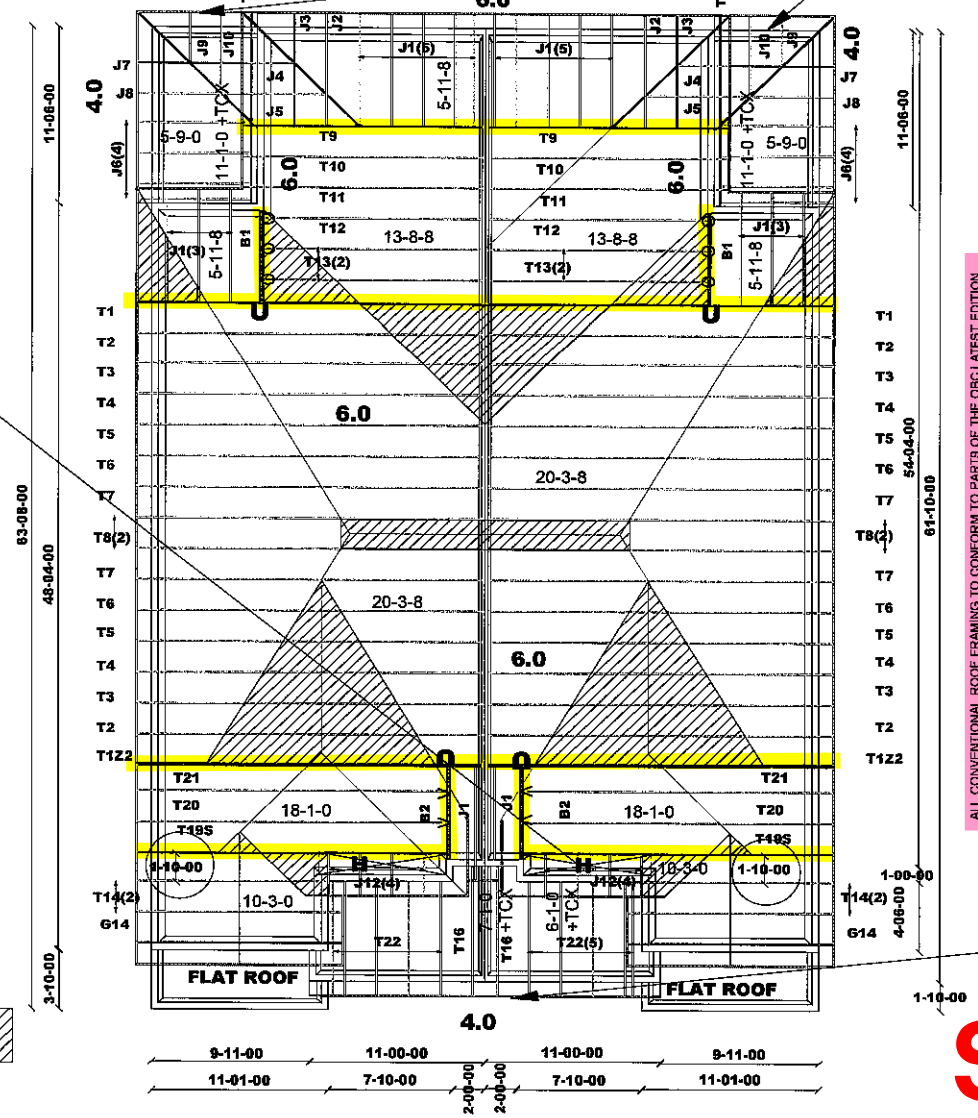
DENOTES:
CONVENTIONAL
FRAMING

EL:B (STD/OPT)
286654

EL:B (STD/OPT)(REV)
286654

Center line of
wood party wall

PLATE HEIGHT 8'-4"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)



ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART9 OF THE OBC.LATEST EDITION
ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"X4"SPF@24"o.c.
WITH A 2"X4"SPF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT.
POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE
BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN LOADS:

SNOW LOAD	32.5 PSF
TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

PLATE HEIGHT 7'-10"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)

SITE COPY

M11,432

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	286689
Plan Log:	93746

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

Date: 05-Feb-18 Designer: sonny

Model / Elevation: **SD25-3 SONOMA3/ EL:B(STD/OPT) PAIRED WITH EL:B(STD/OPT.)(REV.)**

Mitek ver 7.5.0

ASPHALT SHINGLES
12"FINISH O.H.
R.T.M.C
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:

LUS26-2 -(U)
LUS24 - (O)
LJS26DS -(V)

NOTE:

ALL B-2-2X10 (FLUSH)

H2 -1'-4"-0 RAISED PLATE

* -STUCCO

PRELIMINARY
LAYOUT ONLY
T-170587

DENOTES:
CONVENTIONAL
FRAMING

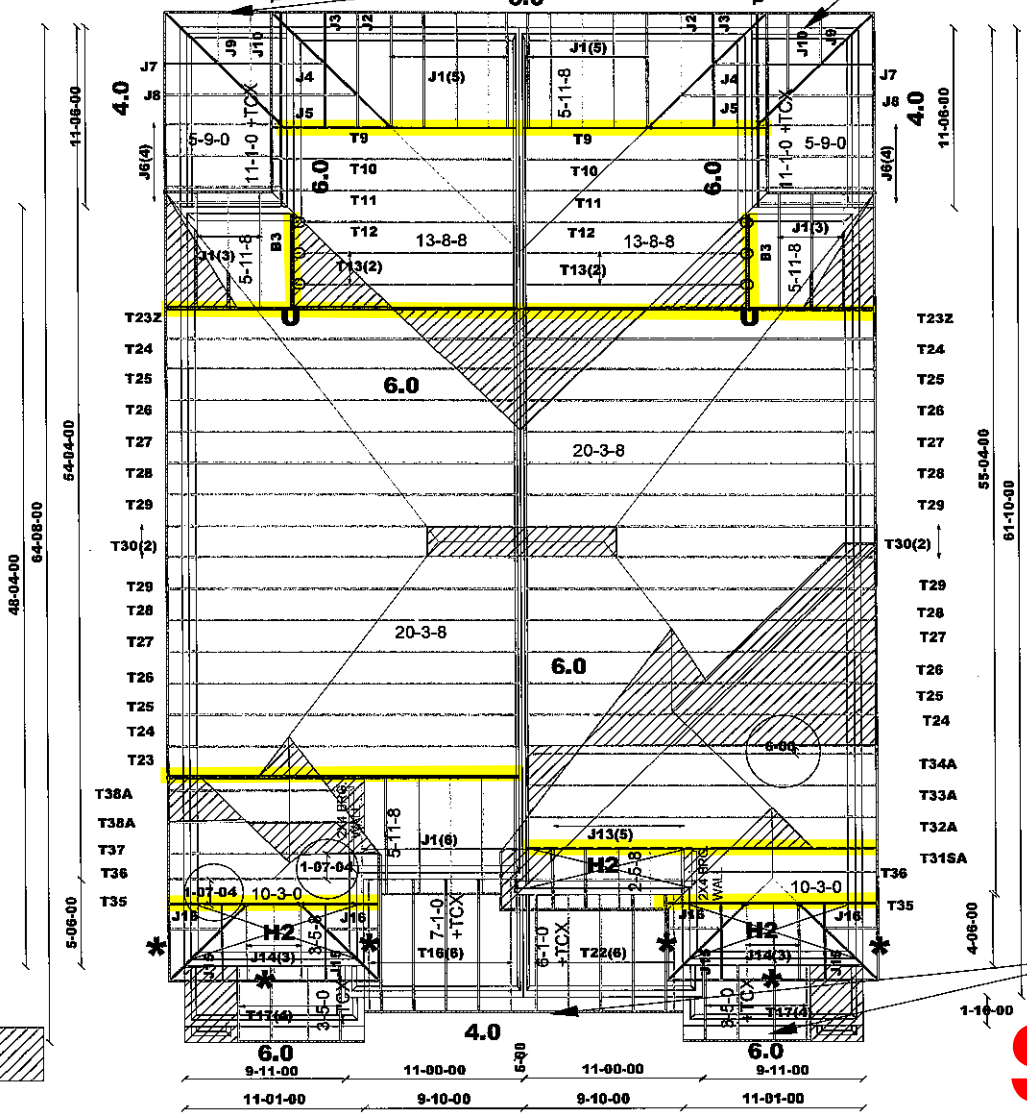
EL:C (STD/OPT)
286656

EL:C-MOD (STD/OPT)(REV)
286657

Center line of
wood party wall

PLATE HEIGHT 8'-4"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)

8/12 PITCHES (TYP.)
UNLESS NOTED



ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART9 OF THE OBC.LATEST EDITION
ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"X4"SPF@24"o.c
WITH A 2"X4"SPF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT.
POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE
BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN LOADS:

SNOW LOAD 32.5 PSF
TC DEAD 3 PSF
BC LIVE 10.6 PSF
BC DEAD 7 PSF

PLATE HEIGHT 7'-10"-0
U/S OF SOFFIT
@ PLATE LEVEL (A.P.P)

M11, 432

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: **44755**	Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**	Model / Elevation: SD25-3 SONOMA3/ EL:C(STD/OPT) PAIRED WITH EL:C MOD(STD/OPT)(REV)
	Layout ID: **286655**	Project: **GREEN VALLEY EAST**	
	Plan Log: **93746**	Date: 05-Feb-18 Designer: sonny	

Mitek ver 7.5.0

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

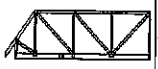
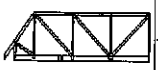
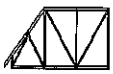
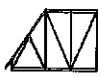
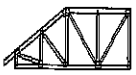
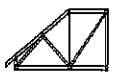
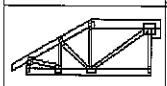
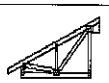
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286652 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: A

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 2 Ply	T1 HALF HIP	10.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-07-11 04-01-12	188.34 118.00		
	1 2 Ply	T1Z HALF HIP	10.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-07-11 04-01-12	188.34 118.00		
	2	T2 HALF HIP	10.00 0.00	20-03-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 05-01-12	175.28 111.66		
	2	T3 HALF HIP	10.00 0.00	20-03-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 06-01-12	187.32 118.66		
	2	T4 HALF HIP	10.00 0.00	20-03-08	07-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 07-01-12	190.80 119.66		
	2	T5 HALF HIP	10.00 0.00	20-03-08	08-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 08-01-12	201.48 126.66		
	2	T6 HALF HIP	10.00 0.00	20-03-08	09-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 09-01-12	230.42 144.66		
	2	T7 HALF HIP	10.00 0.00	20-03-08	10-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 10-01-12	243.14 151.66		
	2	T8 HALF HIP	10.00 0.00	20-03-08	11-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 11-01-12	263.12 162.34		
	1	T9 HALF HIP	6.00 0.00	13-08-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	60.66 38.67		
	1	T10 HALF HIP	6.00 0.00	13-08-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-12	57.08 35.67		
	1	T11 HALF HIP	6.00 0.00	13-08-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 06-01-12	62.40 39.33		
	1	T12 HALF HIP	6.00 0.00	13-08-08	07-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 07-01-12	63.16 39.67		
	2	T13 MONOPITCH	6.00 0.00	13-08-08	08-00-04	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 08-00-04	114.54 72.00		
	5	T14 COMMON	10.00 0.00	10-03-00	05-10-15	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	231.35 150.00		
	1	G14 COMMON	10.00 0.00	10-03-00	05-10-15	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	49.87 33.00		
	1	T15 HALF HIP	4.00 0.00	11-01-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	48.45 32.50		
	6	T16 MONOPITCH	4.00 0.00	07-01-00	03-07-00	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 03-03-08	192.60 129.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

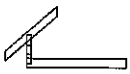
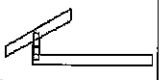
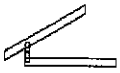
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286652 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: A

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	5	T17 MONOPITCH	6.00 0.00	03-05-00	03-03-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 02-10-08	100.35 68.35		
	14	J1 JACK-OPEN	6.00 0.00	05-11-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	237.86 149.38		
	1	J2 JACK-OPEN	6.00 0.00	05-11-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-02-01	01-02-00 00-03-08	14.22 8.67		
	1	J3 JACK-OPEN	6.00 0.00	05-11-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-02-01	01-02-00 00-03-08	11.68 7.33		
	1	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	7.02 4.67		
	1	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	9.57 6.00		
	4	J6 JACK-OPEN	4.00 0.00	05-09-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	62.52 40.00		
	1	J7 JACK-OPEN	4.00 0.00	05-09-00	01-06-05	2 X 4	2 X 4	01-03-08 -03-11-09	00-11-03 00-03-08	10.86 7.33		
	1	J8 JACK-OPEN	4.00 0.00	05-09-00	02-02-05	2 X 4	2 X 4	01-03-08 -01-11-09	00-11-03 00-03-08	13.26 8.67		
	1	J9 JACK-OPEN	4.00 0.00	01-10-08	01-06-05	2 X 4	2 X 4	01-03-08 -00-01-01	00-11-03 00-03-08	6.44 4.67		
	1	J10 JACK-OPEN	4.00 0.00	01-10-08	02-02-05	2 X 4	2 X 4	01-03-08 01-10-15	00-11-03 00-04-03	8.84 6.00		

TOTAL # TRUSS= **68.00** TOTAL BFT OF ALL TRUSSES= **2052.21** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3230.97** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
3	Hangers	LUS24	
1	Hangers	LUS26-2	

TOTAL # ITEMS= **4.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

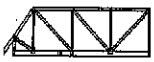
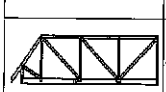
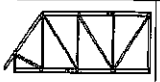
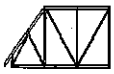
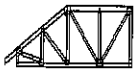
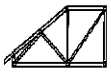
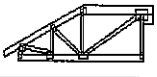
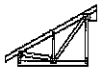
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286654 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: B

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 2 Ply	T1 HALF HIP	10.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-07-11 04-01-12	188.34 118.00		
	1 2 Ply	T1Z2 HALF HIP	10.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-07-11 04-01-12	188.34 120.00		
	2	T2 HALF HIP	10.00 0.00	20-03-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 05-01-12	175.28 111.66		
	2	T3 HALF HIP	10.00 0.00	20-03-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 06-01-12	187.32 118.66		
	2	T4 HALF HIP	10.00 0.00	20-03-08	07-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 07-01-12	190.80 119.66		
	2	T5 HALF HIP	10.00 0.00	20-03-08	08-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 08-01-12	201.48 126.66		
	2	T6 HALF HIP	10.00 0.00	20-03-08	09-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 09-01-12	230.42 144.66		
	2	T7 HALF HIP	10.00 0.00	20-03-08	10-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 10-01-12	243.14 151.66		
	2	T8 HALF HIP	10.00 0.00	20-03-08	11-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 11-01-12	263.12 162.34		
	1	T9 HALF HIP	6.00 0.00	13-08-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	60.66 38.67		
	1	T10 HALF HIP	6.00 0.00	13-08-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-12	57.08 35.67		
	1	T11 HALF HIP	6.00 0.00	13-08-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 06-01-12	62.40 39.33		
	1	T12 HALF HIP	6.00 0.00	13-08-08	07-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 07-01-12	63.16 39.67		
	2	T13 MONOPITCH	6.00 0.00	13-08-08	08-00-04	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 08-00-04	114.54 72.00		
	5	T14 COMMON	10.00 0.00	10-03-00	05-10-15	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	231.35 150.00		
	1	G14 COMMON	10.00 0.00	10-03-00	05-10-15	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	49.87 33.00		
	1	T15 HALF HIP	4.00 0.00	11-01-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	48.45 32.50		
	6	T16 MONOPITCH	4.00 0.00	07-01-00	03-07-00	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 03-03-08	192.60 129.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

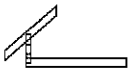
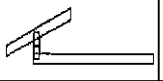
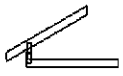
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286654 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: B

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T19S HIP GIRDER	10.00 / 0.00	18-01-00	04-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 02-01-11	86.83 / 58.17		
	1	T20 HIP	10.00 / 0.00	18-01-00	06-05-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 03-07-11	88.51 / 57.83		
	1	T21 HIP	10.00 / 0.00	18-01-00	08-01-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 03-07-11	86.66 / 55.50		
	5	T22 MONOPITCH	4.00 / 0.00	06-01-00	03-03-00	2 X 4	2 X 4	01-03-08 / 00-10-08	00-11-03 / 02-11-08	141.75 / 95.85		
	9	J1 JACK-OPEN	6.00 / 0.00	05-11-08	04-01-12	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-12	152.91 / 96.03		
	1	J2 JACK-OPEN	6.00 / 0.00	05-11-08	03-00-12	2 X 4	2 X 4	01-03-08 / -02-02-01	01-02-00 / 00-03-08	14.22 / 8.67		
	1	J3 JACK-OPEN	6.00 / 0.00	05-11-08	02-00-12	2 X 4	2 X 4	01-03-08 / -04-02-01	01-02-00 / 00-03-08	11.68 / 7.33		
	1	J4 JACK-OPEN	6.00 / 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 / -00-01-01	01-02-00 / 00-03-08	7.02 / 4.67		
	1	J5 JACK-OPEN	6.00 / 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 / 01-10-15	01-02-00 / 00-04-11	9.57 / 6.00		
	4	J6 JACK-OPEN	4.00 / 0.00	05-09-00	02-10-03	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-10-03	62.52 / 40.00		
	1	J7 JACK-OPEN	4.00 / 0.00	05-09-00	01-06-05	2 X 4	2 X 4	01-03-08 / -03-11-09	00-11-03 / 00-03-08	10.86 / 7.33		
	1	J8 JACK-OPEN	4.00 / 0.00	05-09-00	02-02-05	2 X 4	2 X 4	01-03-08 / -01-11-09	00-11-03 / 00-03-08	13.26 / 8.67		
	1	J9 JACK-OPEN	4.00 / 0.00	01-10-08	01-06-05	2 X 4	2 X 4	01-03-08 / -00-01-01	00-11-03 / 00-03-08	6.44 / 4.67		
	1	J10 JACK-OPEN	4.00 / 0.00	01-10-08	02-02-05	2 X 4	2 X 4	01-03-08 / 01-10-15	00-11-03 / 00-04-03	8.84 / 6.00		
	4	J12 JACK-OPEN	10.00 / 0.00	01-04-00	03-03-00	2 X 4	2 X 4	01-03-08 / 00-00-00	02-01-11 / 03-03-00	30.60 / 21.32		

TOTAL # TRUSS= **70.00** TOTAL BFT OF ALL TRUSSES= **2221.18** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3480.02** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
3	Hangers	LUS24	
1	Hangers	LUS26-2	

TOTAL # ITEMS= **4.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

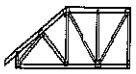
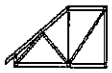
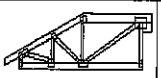
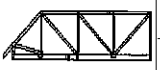
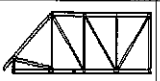
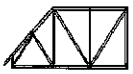
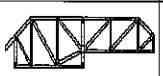
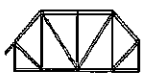
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286657 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: C-MOD

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T9 HALF HIP	6.00 0.00	13-08-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	59.55 37.67		
	1	T10 HALF HIP	6.00 0.00	13-08-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-12	57.08 35.67		
	1	T11 HALF HIP	6.00 0.00	13-08-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 06-01-12	62.40 39.33		
	1	T12 HALF HIP	6.00 0.00	13-08-08	07-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 07-01-12	65.28 40.83		
	2	T13 MONOPITCH	6.00 0.00	13-08-08	08-00-04	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 08-00-04	114.54 72.00		
	1	T15 HALF HIP	4.00 0.00	11-01-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	48.46 32.50		
	4	T17 MONOPITCH	6.00 0.00	03-05-00	03-03-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 02-10-08	80.28 54.68		
	6	T22 MONOPITCH	4.00 0.00	06-01-00	03-03-00	2 X 4	2 X 4	01-03-08 00-10-08	00-11-03 02-11-08	170.10 115.02		
	1 2 Ply	T23Z HALF HIP	8.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-12	187.26 119.68		
	2	T24 HALF HIP	8.00 0.00	20-03-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-12	174.42 110.00		
	2	T25 HALF HIP	8.00 0.00	20-03-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-12	178.68 112.66		
	2	T26 HALF HIP	8.00 0.00	20-03-08	07-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-01-12	193.00 121.34		
	2	T27 HALF HIP	8.00 0.00	20-03-08	08-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-01-12	204.58 127.00		
	2	T28 HALF HIP	8.00 0.00	20-03-08	09-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 09-01-12	216.64 134.66		
	2	T29 HALF HIP	8.00 0.00	20-03-08	10-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 10-01-12	220.68 138.66		
	2	T30 HALF HIP	8.00 0.00	20-03-08	11-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 11-01-12	216.18 133.34		
	1	T31SA HIP GIRDER	8.00 0.00	20-03-08	04-04-08	2 X 4	2 X 4	01-03-08 00-00-00	02-08-13 01-06-08	91.46 60.33		
	1	T32A HIP	8.00 0.00	20-03-08	05-08-08	2 X 4	2 X 4	01-03-08 00-00-00	02-08-13 02-10-08	88.26 57.33		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

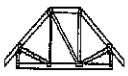
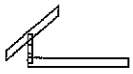
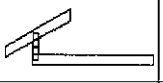
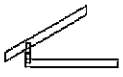
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286657 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: C-MOD

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T33A HIP	8.00 0.00	20-03-08	07-00-08	2 X 4	2 X 4	01-03-08 00-00-00	02-08-13 02-10-08	96.38 62.33		
	1	T34A HIP	8.00 0.00	20-03-08	08-04-08	2 X 4	2 X 4	01-03-08 00-00-00	02-08-13 02-10-08	103.33 66.50		
	1	T35 HIP GIRDER	8.00 0.00	10-03-00	03-08-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	45.08 29.83		
	1	T36 COMMON	8.00 0.00	10-03-00	06-01-13	2 X 4	2 X 4	01-03-08 01-03-08	02-08-13 02-08-13	47.98 31.00		
	8	J1 JACK-OPEN	6.00 0.00	05-11-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	135.92 85.36		
	1	J2 JACK-OPEN	6.00 0.00	05-11-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-02-01	01-02-00 00-03-08	14.22 8.67		
	1	J3 JACK-OPEN	6.00 0.00	05-11-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-02-01	01-02-00 00-03-08	11.68 7.33		
	1	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	7.02 4.67		
	1	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	9.57 6.00		
	4	J6 JACK-OPEN	4.00 0.00	05-09-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	62.52 40.00		
	1	J7 JACK-OPEN	4.00 0.00	05-09-00	01-06-05	2 X 4	2 X 4	01-03-08 -03-11-09	00-11-03 00-03-08	10.86 7.33		
	1	J8 JACK-OPEN	4.00 0.00	05-09-00	02-02-05	2 X 4	2 X 4	01-03-08 -01-11-09	00-11-03 00-03-08	13.26 8.67		
	1	J9 JACK-OPEN	4.00 0.00	01-10-08	01-06-05	2 X 4	2 X 4	01-03-08 -00-01-01	00-11-03 00-03-08	6.44 4.67		
	1	J10 JACK-OPEN	4.00 0.00	01-10-08	02-02-05	2 X 4	2 X 4	01-03-08 01-10-15	00-11-03 00-04-03	8.84 6.00		
	5	J13 JACK-OPEN	8.00 0.00	02-05-08	03-00-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-00-08	46.25 30.00		
	3	J14 JACK-OPEN	8.00 0.00	03-05-08	03-08-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-08-08	35.28 21.99		
	2	J15 JACK-OPEN	8.00 0.00	03-05-08	02-07-02	2 X 4	2 X 4	01-03-08 -01-08-01	01-04-13 00-03-08	18.94 12.00		
	2	J16 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	15.34 9.34		

TOTAL # TRUSS= **71.00** TOTAL BFT OF ALL TRUSSES= **1984.39** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3117.76** LBS.

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286657 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: SD25-3 **ELEVATION:** C-MOD

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
3	Hangers	LUS24	
1	Hangers	LUS26-2	

TOTAL # ITEMS= **4.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

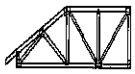
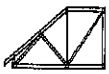
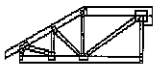
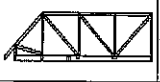
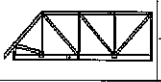
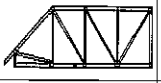
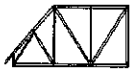
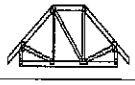
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286656 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: C

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T9 HALF HIP	6.00 0.00	13-08-08	04-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-12	59.55 37.67		
	1	T10 HALF HIP	6.00 0.00	13-08-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-12	57.08 35.67		
	1	T11 HALF HIP	6.00 0.00	13-08-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 06-01-12	62.40 39.33		
	1	T12 HALF HIP	6.00 0.00	13-08-08	07-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 07-01-12	65.28 40.83		
	2	T13 MONOPITCH	6.00 0.00	13-08-08	08-00-04	2 X 4	2 X 4	00-00-00 00-00-00	01-02-00 08-00-04	114.54 72.00		
	1	T15 HALF HIP	4.00 0.00	11-01-00	02-10-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 02-10-03	48.46 32.50		
	6	T16 MONOPITCH	4.00 0.00	07-01-00	03-07-00	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 03-03-08	192.60 129.00		
	4	T17 MONOPITCH	6.00 0.00	03-05-00	03-03-12	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 02-10-08	80.28 54.68		
	1 2 Ply	T23 HALF HIP	8.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-12	187.26 119.68		
	1 2 Ply	T23Z HALF HIP	8.00 0.00	20-03-08	04-01-12	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-12	187.26 119.68		
	2	T24 HALF HIP	8.00 0.00	20-03-08	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-12	174.42 110.00		
	2	T25 HALF HIP	8.00 0.00	20-03-08	06-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-12	178.68 112.66		
	2	T26 HALF HIP	8.00 0.00	20-03-08	07-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-01-12	193.00 121.34		
	2	T27 HALF HIP	8.00 0.00	20-03-08	08-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-01-12	204.58 127.00		
	2	T28 HALF HIP	8.00 0.00	20-03-08	09-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 09-01-12	216.64 134.66		
	2	T29 HALF HIP	8.00 0.00	20-03-08	10-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 10-01-12	220.68 138.66		
	2	T30 HALF HIP	8.00 0.00	20-03-08	11-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 11-01-12	216.18 133.34		
	1	T35 HIP GIRDER	8.00 0.00	10-03-00	03-08-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	45.08 29.83		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

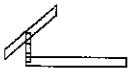
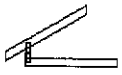
Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286656 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: C

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T36 COMMON	8.00 / 0.00	10-03-00	06-01-13	2 X 4	2 X 4	01-03-08 / 01-03-08	02-08-13 / 02-08-13	47.98 / 31.00		
	1	T37 HIP	8.00 / 0.00	10-03-00	05-00-08	2 X 4	2 X 4	01-03-08 / 01-03-08	02-08-13 / 02-08-13	55.39 / 36.00		
	2	T38A COMMON	8.00 / 0.00	10-03-00	05-05-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 02-08-13	93.28 / 61.34		
	14	J1 JACK-OPEN	6.00 / 0.00	05-11-08	04-01-12	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-12	237.86 / 149.38		
	1	J2 JACK-OPEN	6.00 / 0.00	05-11-08	03-00-12	2 X 4	2 X 4	01-03-08 / -02-02-01	01-02-00 / 00-03-08	14.22 / 8.67		
	1	J3 JACK-OPEN	6.00 / 0.00	05-11-08	02-00-12	2 X 4	2 X 4	01-03-08 / -04-02-01	01-02-00 / 00-03-08	11.68 / 7.33		
	1	J4 JACK-OPEN	6.00 / 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 / -00-01-01	01-02-00 / 00-03-08	7.02 / 4.67		
	1	J5 JACK-OPEN	6.00 / 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 / 01-10-15	01-02-00 / 00-04-11	9.57 / 6.00		
	4	J6 JACK-OPEN	4.00 / 0.00	05-09-00	02-10-03	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-10-03	62.52 / 40.00		
	1	J7 JACK-OPEN	4.00 / 0.00	05-09-00	01-06-05	2 X 4	2 X 4	01-03-08 / -03-11-09	00-11-03 / 00-03-08	10.86 / 7.33		
	1	J8 JACK-OPEN	4.00 / 0.00	05-09-00	02-02-05	2 X 4	2 X 4	01-03-08 / -01-11-09	00-11-03 / 00-03-08	13.26 / 8.67		
	1	J9 JACK-OPEN	4.00 / 0.00	01-10-08	01-06-05	2 X 4	2 X 4	01-03-08 / -00-01-01	00-11-03 / 00-03-08	6.44 / 4.67		
	1	J10 JACK-OPEN	4.00 / 0.00	01-10-08	02-02-05	2 X 4	2 X 4	01-03-08 / 01-10-15	00-11-03 / 00-04-03	8.84 / 6.00		
	3	J14 JACK-OPEN	8.00 / 0.00	03-05-08	03-08-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 03-08-08	35.28 / 21.99		
	2	J15 JACK-OPEN	8.00 / 0.00	03-05-08	02-07-02	2 X 4	2 X 4	01-03-08 / -01-08-01	01-04-13 / 00-03-08	18.94 / 12.00		
	2	J16 JACK-OPEN	8.00 / 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 / -00-01-01	01-04-13 / 00-03-08	15.34 / 9.34		

TOTAL # TRUSS= **73.00** TOTAL BFT OF ALL TRUSSES= **2002.92** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3152.45** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/05/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286656 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: SD25-3 ELEVATION: C

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
3	Hangers	LUS24	
1	Hangers	LUS26-2	

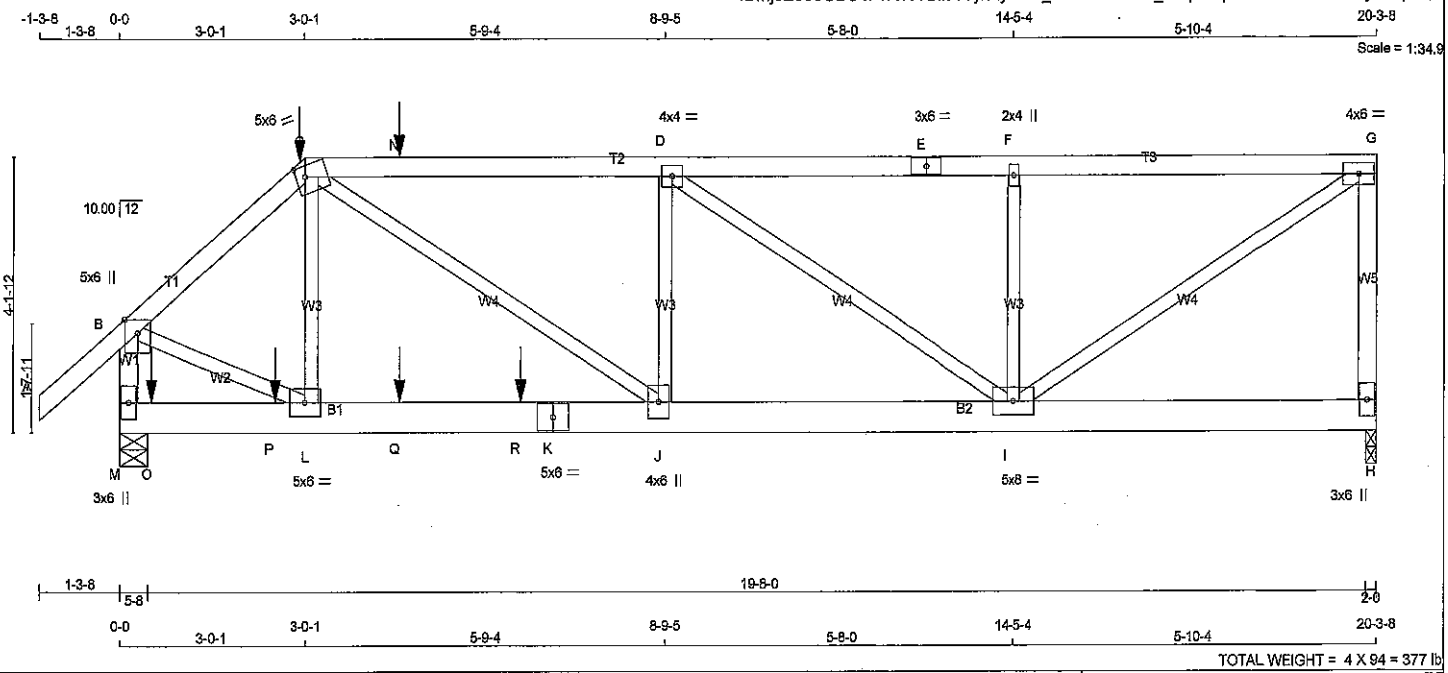
TOTAL # ITEMS= **4.00**

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T1	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:13 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-D2_IRnhmBDiuK9_ZhqMNlp5UY71OFF6KPLcjYNzpYP4



TOTAL WEIGHT = 4 X 94 = 377 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)		LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	SIDE(61.0)
C- E	1	12	SIDE(61.0)
E- G	1	12	TOP
G- H	1	12	TOP
M- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
M- K	2	12	SIDE(122.0)
K- H	2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMVW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	6.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW+t	MT20	4.0	6.0		
K	BS-t	MT20	5.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1802	0	1802	0	0	2-0	2-0
M	2710	0	2710	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1439	878 / 0	286 / 0	0 / 0	0 / 0	273 / 0	0 / 0
M	2164	1319 / 0	433 / 0	0 / 0	0 / 0	411 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO							FR-TO		
A- B	0 / 47	-104.9	-104.9	0.08 (1)	10.00		L- C	0 / 344	0.04 (3)
B- C	-2673 / 0	-104.9	-104.9	0.12 (1)	5.48		B- L	0 / 2198	0.27 (1)
C- N	-3395 / 0	-104.9	-104.9	0.39 (1)	4.66		C- J	0 / 1606	0.20 (1)
N- D	-3395 / 0	-104.9	-104.9	0.39 (1)	4.66		J- D	0 / 283	0.03 (3)
D- E	-2254 / 0	-104.9	-104.9	0.32 (1)	5.56		D- I	-1371 / 0	0.59 (1)
E- F	-2254 / 0	-104.9	-104.9	0.32 (1)	5.56		I- F	-652 / 0	0.08 (1)
F- G	-2254 / 0	-104.9	-104.9	0.29 (1)	5.61		I- G	0 / 2682	0.33 (1)
H- G	-1704 / 0	0.0	0.0	0.22 (1)	7.81				
M- B	-2827 / 0	0.0	0.0	0.16 (1)	6.82				
M- O	0 / 0	-28.0	-28.0	0.24 (1)	10.00				
O- P	0 / 0	-28.0	-28.0	0.24 (1)	10.00				
P- L	0 / 0	-28.0	-28.0	0.24 (1)	10.00				
L- Q	0 / 2049	-28.0	-28.0	0.57 (1)	10.00				
Q- R	0 / 2049	-28.0	-28.0	0.57 (1)	10.00				
R- K	0 / 2049	-28.0	-28.0	0.57 (1)	10.00				
K- J	0 / 2049	-28.0	-28.0	0.57 (1)	10.00				
J- I	0 / 3395	-28.0	-28.0	0.40 (1)	10.00				
I- H	0 / 0	-28.0	-28.0	0.07 (2)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	3-0-1	-18	-20	---	FRONT	VERT	DEAD
C	3-0-1	-216	-216	---	FRONT	VERT	SNOW
N	4-6-4	-130	-130	---	BACK	VERT	TOTAL
O	6-4	-48	-83	---	BACK	VERT	TOTAL
P	2-6-4	-41	-71	---	BACK	VERT	TOTAL
Q	4-6-4	-41	-71	---	BACK	VERT	TOTAL
R	6-5-8	-1177	-1177	---	BACK	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.39/1.00 (C-D:1) , BC=0.57/1.00 (J-L:1) , WB=0.59/1.00 (D-I:1) , SSI=0.25/1.00 (J-L:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (K) (INPUT = 0.90)
JSI METAL= 0.50 (K) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2146
D. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 7428-18
STRUCTURAL COMPONENT ONLY

P6/4

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T1	2	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 233.5 lbs FACTORED DOWN AT 3-0-1, AND 129.6 lbs FACTORED DOWN AT 4-6-4 ON TOP CHORD, AND 83.2 lbs FACTORED DOWN AT 6-4, 71.5 lbs FACTORED DOWN AT 2-6-4, AND 71.5 lbs FACTORED DOWN AT 4-6-4, AND 1176.9 lbs FACTORED DOWN AT 6-5-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
2/8
S. KATSOULAKOS
PROVINCE OF ONTARIO

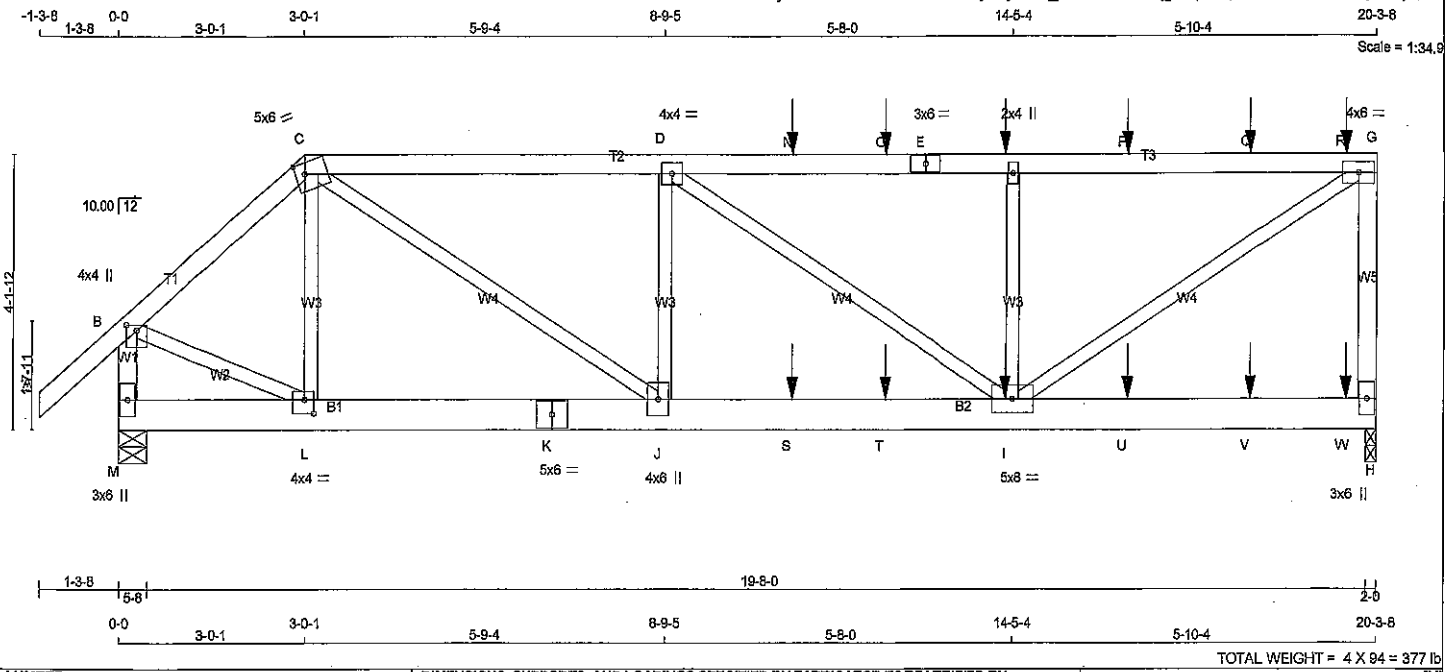
DWG NO. TAM7428-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T1Z	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:13 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-D2_IRnhmBDiuK9_ZhqMNlp5Tu76wFJsKPLcjYNzpYP4



TOTAL WEIGHT = 4 X 94 = 377 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- E	1	12	SIDE(0.0)
E- G	1	12	SIDE(61.0)
G- H	1	12	TOP
M- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
M- K	2	12	TOP
K- H	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMVW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	6.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW+t	MT20	4.0	6.0		
K	BS-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0	2.50	1.75
M	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2155	0	2155	0	0	2-0	2-0
M	1745	0	1745	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL.
H	1731	1039 / 0	357 / 0	0 / 0	0 / 0	334 / 0	0 / 0
M	1377	867 / 0	258 / 0	0 / 0	0 / 0	252 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.16 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.08 (1)	10.00		L- C	-299 / 37	0.04 (1)
B- C	-1506 / 0	-104.9	-104.9	0.10 (1)	6.25		B- L	0 / 1239	0.15 (1)
C- D	-2478 / 0	-104.9	-104.9	0.35 (1)	5.32		C- J	0 / 1590	0.20 (1)
D- N	-2361 / 0	-104.9	-104.9	0.49 (1)	5.16		J- D	-679 / 0	0.09 (1)
N- O	-2361 / 0	-104.9	-104.9	0.49 (1)	5.16		D- I	-141 / 0	0.06 (1)
O- E	-2361 / 0	-104.9	-104.9	0.49 (1)	5.16		I- F	-1138 / 0	0.15 (1)
E- F	-2361 / 0	-104.9	-104.9	0.49 (1)	5.16		I- G	0 / 2809	0.35 (1)
F- P	-2361 / 0	-104.9	-104.9	0.50 (1)	5.16				
P- Q	-2361 / 0	-104.9	-104.9	0.50 (1)	5.16				
Q- R	-2361 / 0	-104.9	-104.9	0.50 (1)	5.16				
R- G	-2361 / 0	-104.9	-104.9	0.50 (1)	5.16				
H- G	-2001 / 0	0.0	0.0	0.25 (1)	7.78				
M- B	-1725 / 0	0.0	0.0	0.10 (1)	7.81				
M- L	0 / 0	-28.0	-28.0	0.04 (2)	10.00				
L- K	0 / 1145	-28.0	-28.0	0.10 (1)	10.00				
K- J	0 / 1145	-28.0	-28.0	0.10 (1)	10.00				
J- S	0 / 2478	-28.0	-28.0	0.21 (1)	10.00				
S- T	0 / 2478	-28.0	-28.0	0.21 (1)	10.00				
T- I	0 / 2478	-28.0	-28.0	0.21 (1)	10.00				
I- U	0 / 0	-28.0	-28.0	0.10 (2)	10.00				
U- V	0 / 0	-28.0	-28.0	0.10 (2)	10.00				
V- W	0 / 0	-28.0	-28.0	0.10 (2)	10.00				
W- H	0 / 0	-28.0	-28.0	0.10 (2)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
F	14-3-12	-130	-130	---	FRONT	VERT	TOTAL
I	14-3-12	-41	-71	---	FRONT	VERT	TOTAL
N	10-9-12	-130	-130	---	FRONT	VERT	TOTAL
O	12-3-12	-130	-130	---	FRONT	VERT	TOTAL
P	16-3-12	-130	-130	---	FRONT	VERT	TOTAL
Q	18-3-12	-130	-130	---	FRONT	VERT	TOTAL
R	19-9-12	-157	-157	---	FRONT	VERT	TOTAL
S	10-9-12	-41	-71	---	FRONT	VERT	TOTAL
T	12-3-12	-41	-71	---	FRONT	VERT	TOTAL
U	16-3-12	-41	-71	---	FRONT	VERT	TOTAL
V	18-3-12	-41	-71	---	FRONT	VERT	TOTAL
W	19-9-12	-48	-84	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.50/1.00 (F-G:1) , BC=0.21/1.00 (I-J:1) , WB=0.35/1.00 (G-I:1) , SSI=0.24/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90)
JSI METAL= 0.29 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

Roll

DWG NO. TAM 7429 -18
STRUCTURAL
COMPONENT ONLY

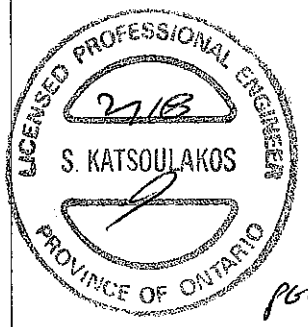
CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T1Z	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 129.6 lbs FACTORED DOWN AT 10-9-12, 129.6 lbs FACTORED DOWN AT 12-3-12, 129.6 lbs FACTORED DOWN AT 14-3-12, 129.6 lbs FACTORED DOWN AT 16-3-12, AND 129.6 lbs FACTORED DOWN AT 18-3-12, AND 156.9 lbs FACTORED DOWN AT 19-9-12 ON TOP CHORD, AND 71.5 lbs FACTORED DOWN AT 10-9-12, 71.5 lbs FACTORED DOWN AT 12-3-12, 71.5 lbs FACTORED DOWN AT 14-3-12, 71.5 lbs FACTORED DOWN AT 16-3-12, AND 71.5 lbs FACTORED DOWN AT 18-3-12, AND 84.3 lbs FACTORED DOWN AT 19-9-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

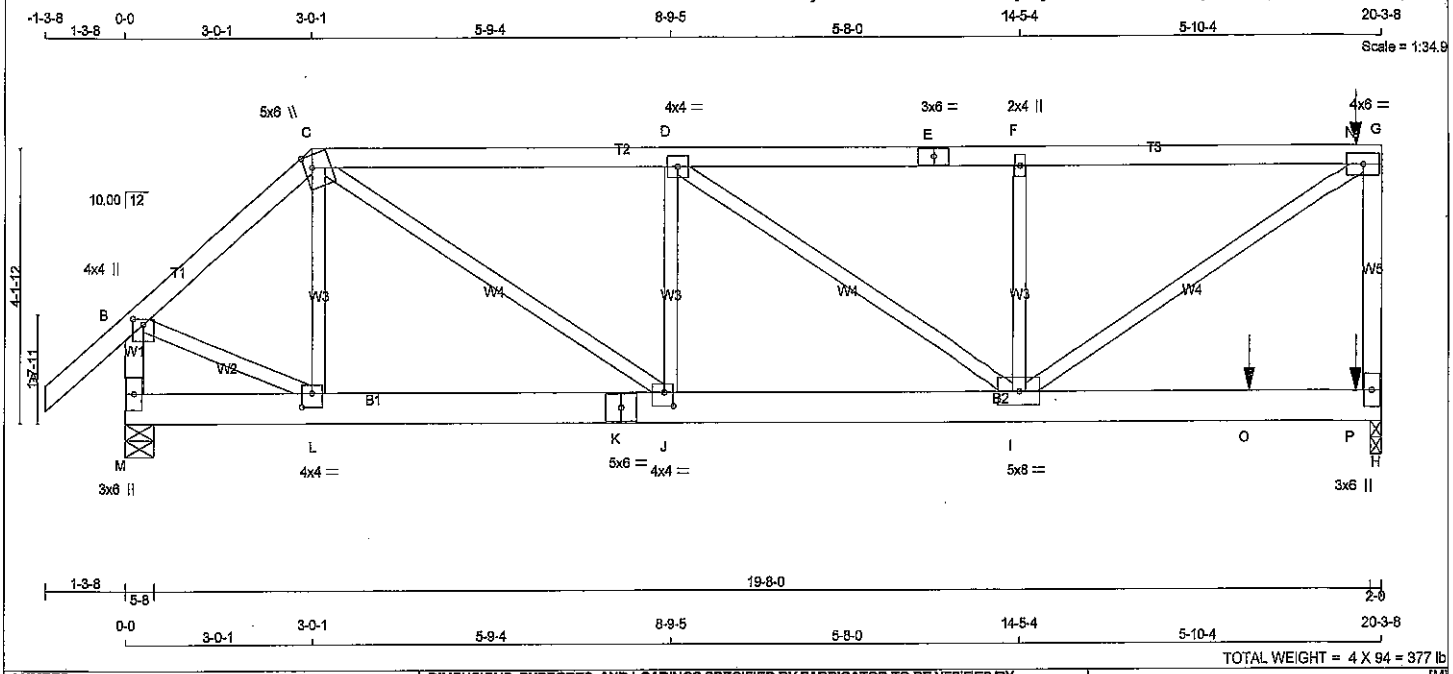


DWG NO. TAM7429-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T1Z2	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:34:37 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-lC3V3ViSP1HzP3PjcTt4iXZtl_gswlkljQyAUWzpYNm



TOTAL WEIGHT = 4 X 94 = 377 lb

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- E	1	12	TOP
E- G	1	12	SIDE(61.0)
G- H	1	12	TOP
M- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
M- K	2	12	TOP
K- H	2	12	SIDE(122.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMVW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	6.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW-t	MT20	4.0	4.0	2.50	1.75
K	BS-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0	2.50	2.00
M	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2806	0	2806	0	0	2-0	2-0
M	1641	0	1641	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	2249	1358 / 0	459 / 0	0 / 0	0 / 0	432 / 0	0 / 0
M	1292	820 / 0	238 / 0	0 / 0	0 / 0	234 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.52 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.08 (1)		10.00	L- C	-213 / 88	0.03 (1)
B- C	-1414 / 0	-104.9	-104.9	0.10 (1)		6.25	B- L	0 / 1163	0.14 (1)
C- D	-2171 / 0	-104.9	-104.9	0.29 (1)		5.69	C- J	0 / 1306	0.16 (1)
D- E	-2321 / 0	-104.9	-104.9	0.30 (1)		5.52	J- D	-746 / 0	0.10 (1)
E- F	-2321 / 0	-104.9	-104.9	0.30 (1)		5.52	D- I	0 / 180	0.02 (1)
F- N	-2321 / 0	-104.9	-104.9	0.30 (1)		5.52	I- F	-675 / 0	0.09 (1)
N- G	-2321 / 0	-104.9	-104.9	0.30 (1)		5.52	I- G	0 / 2761	0.34 (1)
H- G	-1895 / 0	0.0	0.0	0.24 (1)		7.81			
M- B	-1638 / 0	0.0	0.0	0.09 (1)		7.81			
M- L	0 / 0	-28.0	-28.0	0.05 (2)		10.00			
L- K	0 / 1077	-28.0	-28.0	0.13 (1)		10.00			
K- J	0 / 1077	-28.0	-28.0	0.13 (1)		10.00			
J- I	0 / 2171	-28.0	-28.0	0.39 (1)		10.00			
I- O	0 / 0	-28.0	-28.0	0.64 (1)		10.00			
O- P	0 / 0	-28.0	-28.0	0.64 (1)		10.00			
P- H	0 / 0	-28.0	-28.0	0.64 (1)		10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
N	19-10-12	-161	-161	---	FRONT	VERT	TOTAL
O	18-2-8	-1394	-1394	---	FRONT	VERT	TOTAL
P	19-10-12	-49	-86	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF	
	DL =	3.0	PSF	
BOT CH.	LL =	10.5	PSF	
	DL =	7.0	PSF	
TOTAL LOAD	=	53.0	PSF	

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.30/1.00 (F-G:1) , BC=0.64/1.00 (H-I:1) , WB=0.34/1.00 (G-I:1) , SSI=0.30/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (J) (INPUT = 0.90)
JSI METAL= 0.29 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

P6/2

DWG NO. TAM 7447-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T1Z2	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:hjoZoo0OBU4F?A41VBhJY3ynays-IC3V3ViSP1HzP3PjcTt4iXZtl_gswIkijQyAUWzpYNm

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 161.3 lbs FACTORED DOWN AT 19-10-12 ON TOP CHORD, AND 1393.5 lbs FACTORED DOWN AT 18-2-8, AND 86.3 lbs FACTORED DOWN AT 19-10-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

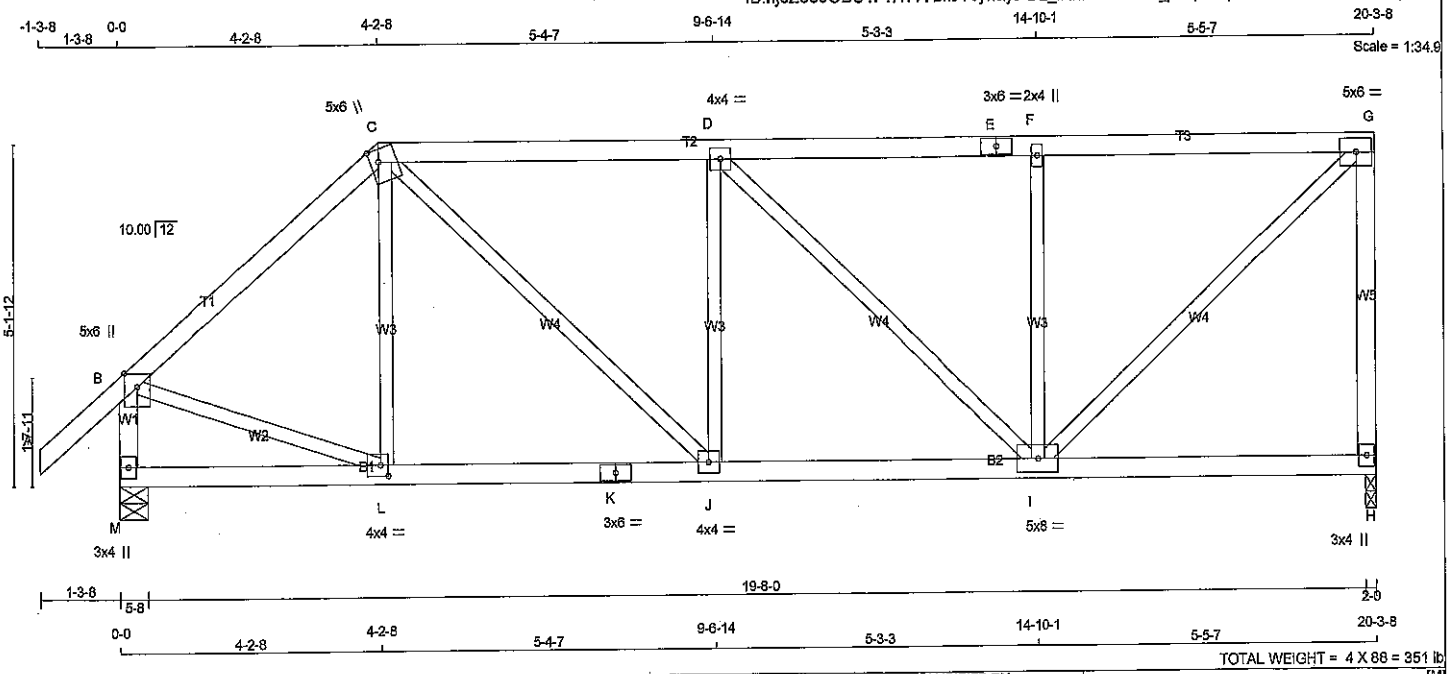
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7447-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T2	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:13 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-D2_IRnhmBDiuK9_ZhqMNIp5Rb74nFIEKPLcjYNzpYP4



LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW+p	MT20	5.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMWW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMWW-t	MT20	4.0	4.0	2.00	1.50
M	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1349	0	1349	0	0	2-0	2-0
M	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
M	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.82 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	L- C	-136 / 137	0.05 (1)
B- C	-1238 / 0	-104.9	-104.9	0.36 (1)	5.32	B- L	0 / 991	0.22 (1)
C- D	-1474 / 0	-104.9	-104.9	0.46 (1)	4.82	C- J	0 / 712	0.16 (1)
D- E	-1183 / 0	-104.9	-104.9	0.44 (1)	5.26	J- D	-336 / 67	0.13 (1)
E- F	-1183 / 0	-104.9	-104.9	0.44 (1)	5.26	D- I	-397 / 0	0.39 (1)
F- G	-1163 / 0	-104.9	-104.9	0.45 (1)	5.26	I- F	-617 / 0	0.24 (1)
H- G	-1286 / 0	0.0	0.0	0.58 (1)	7.11	I- G	0 / 1584	0.36 (1)
M- B	-1448 / 0	0.0	0.0	0.15 (1)	6.79			
M- L	0 / 0	-28.0	-28.0	0.15 (3)	10.00			
L- K	0 / 945	-28.0	-28.0	0.26 (2)	10.00			
K- J	0 / 945	-28.0	-28.0	0.26 (2)	10.00			
J- I	0 / 1474	-28.0	-28.0	0.35 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.20 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.58/1.00 (G-H:1) , BC=0.35/1.00 (I-J:2) , WB=0.39/1.00 (D-I:1) , SSI=0.26/1.00 (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 = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2264	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (L) (INPUT = 0.90)
JSI METAL= 0.35 (L) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

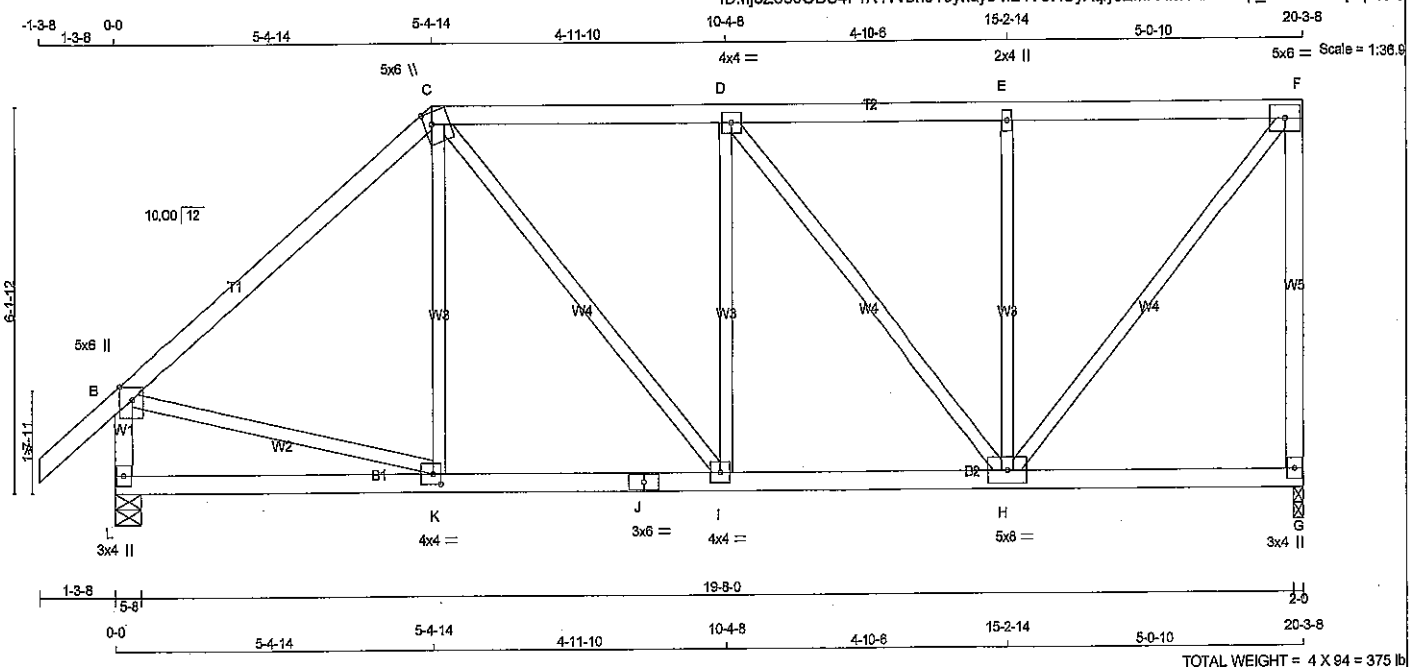
SITE COPY

DWG NO. TAM 7430-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T3	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:14 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-hEY7e7iOyXqlyJZmFXtcr0dXZXRp_lOUe?LH4pzpYP3



TOTAL WEIGHT = 4 X 94 = 375 lb

[M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWW-t	MT20	4.0	4.0		
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0	2.00	1.50
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX /MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	K- C	-52 / 198	0.04 (3)	
B- C	-1217 / 0	-104.9	-104.9	0.62 (1)	4.93	B- K	0 / 959	0.22 (1)	
C- D	-1215 / 0	-104.9	-104.9	0.38 (1)	5.32	C- I	0 / 438	0.10 (1)	
D- E	-928 / 0	-104.9	-104.9	0.37 (1)	5.90	I- D	-212 / 101	0.13 (1)	
E- F	-928 / 0	-104.9	-104.9	0.37 (1)	5.90	D- H	-452 / 0	0.52 (1)	
G- F	-1291 / 0	0.0	0.0	0.95 (1)	7.10	H- E	-570 / 0	0.34 (1)	
L- B	-1431 / 0	0.0	0.0	0.15 (1)	6.82	H- F	0 / 1420	0.32 (1)	
L- K	0 / 0	-28.0	-28.0	0.20 (3)	10.00				
K- J	0 / 932	-28.0	-28.0	0.30 (2)	10.00				
J- I	0 / 932	-28.0	-28.0	0.30 (2)	10.00				
I- H	0 / 1217	-28.0	-28.0	0.30 (2)	10.00				
H- G	0 / 0	-28.0	-28.0	0.17 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.95/1.00 (F-G:1) , BC=0.30/1.00 (H-I:2) , WB=0.52/1.00 (D-H:1) , SSI=0.25/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (K) (INPUT = 0.90)
JSI METAL= 0.35 (K) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2018
S. KATSOULAKOS
PROVINCE OF ONTARIO

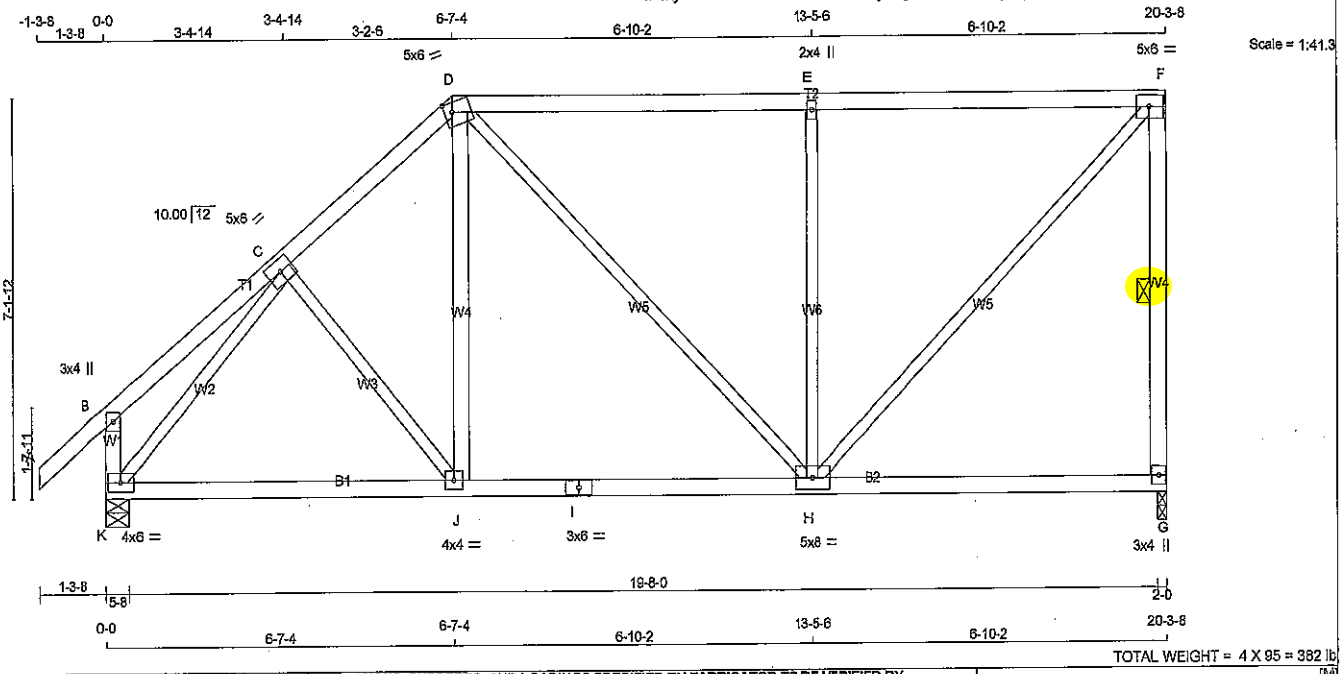
DWG NO. TAM7431-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T4	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:14 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-hEY7e7iOyXqlyJZmFXtcr0dX5XPG_eAUe?LH4pzpYP3



TOTAL WEIGHT = 4 X 95 = 382 lb [M]

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
K - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW-m	MT20	5.0	6.0	2.00	1.75
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMWW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
K	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	859 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
K	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	C- J	-46 / 84	0.02 (1)	
B- C	0 / 24	-104.9	-104.9	0.17 (1)	10.00	J- D	0 / 320	0.05 (2)	
C- D	-1192 / 0	-104.9	-104.9	0.20 (1)	5.63	D- H	0 / 139	0.03 (1)	
D- E	-997 / 0	-104.9	-104.9	0.92 (1)	4.25	H- E	-890 / 0	0.79 (1)	
E- F	-997 / 0	-104.9	-104.9	0.92 (1)	4.25	H- F	0 / 1412	0.32 (1)	
G- F	-1270 / 0	0.0	0.0	0.29 (1)	5.71	K- C	-1467 / 0	0.64 (1)	
K- B	-279 / 0	0.0	0.0	0.03 (1)	7.81				
K- J	0 / 924	-26.0	-26.0	0.39 (2)	10.00				
J- I	0 / 899	-26.0	-26.0	0.40 (2)	10.00				
I- H	0 / 899	-26.0	-26.0	0.40 (2)	10.00				
H- G	0 / 0	-26.0	-26.0	0.30 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.92/1.00 (E-F:1) , BC=0.40/1.00 (H-J:2) , WB=0.79/1.00 (E-H:1) , SSI=0.35/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (K) (INPUT = 0.90)
JSI METAL= 0.36 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

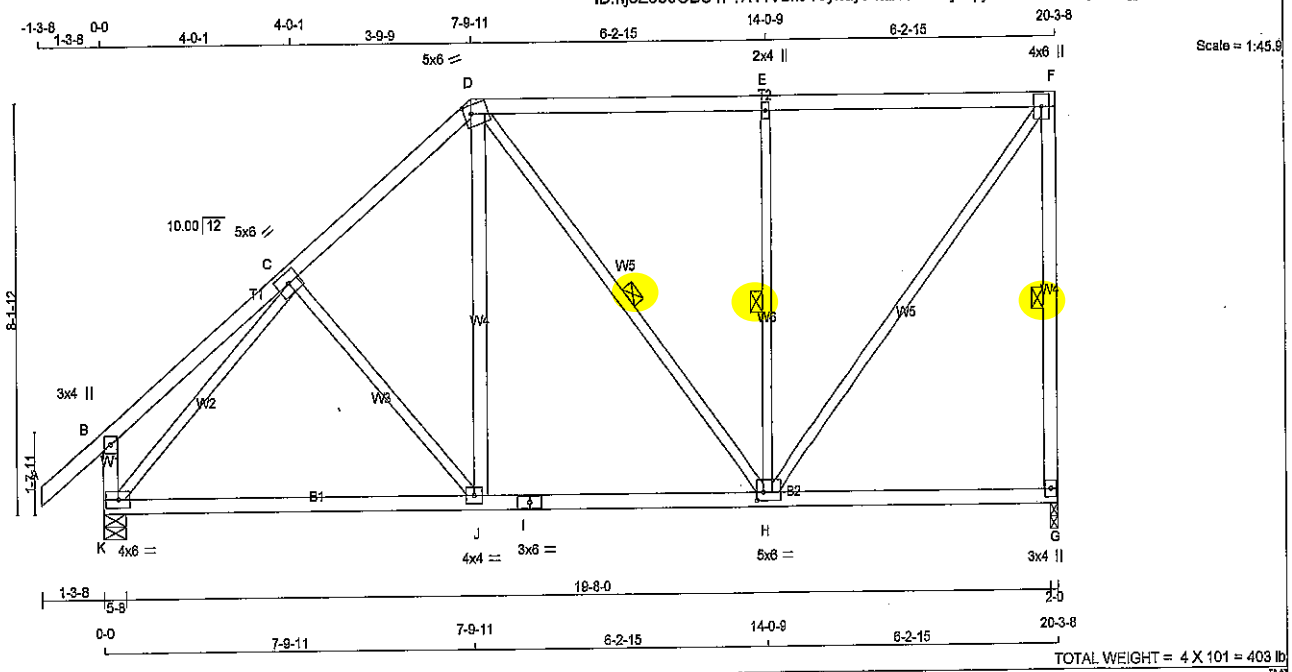
SITE COPY

DWG NO. TAM7432-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T5	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:14 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-hEY7e7lOyXqlyJZmFXfcr0dayXO6_dwUe?LH4pzpYP3



TOTAL WEIGHT = 4 X 101 = 403 lb [M]

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
K - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW-m	MT20	5.0	6.0	2.00	1.75
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	6.0	2.00	1.50
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
K	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
K	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.30 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	C- J	-147 / 61	0.09 (1)
B- C	0 / 30	-104.9	-104.9	0.25 (1)	10.00	J- D	0 / 397	0.06 (2)
C- D	-1130 / 0	-104.9	-104.9	0.28 (1)	5.62	D- H	-83 / 0	0.06 (2)
D- E	-816 / 0	-104.9	-104.9	0.73 (1)	5.30	H- E	-812 / 0	0.34 (1)
E- F	-816 / 0	-104.9	-104.9	0.73 (1)	5.30	H- F	0 / 1312	0.30 (1)
G- F	-1275 / 0	0.0	0.0	0.38 (1)	5.71	K- C	-1448 / 0	0.87 (1)
K- B	-301 / 0	0.0	0.0	0.03 (1)	7.81			
K- J	0 / 941	-28.0	-28.0	0.47 (2)	10.00			
J- I	0 / 849	-28.0	-28.0	0.47 (2)	10.00			
I- H	0 / 849	-28.0	-28.0	0.47 (2)	10.00			
H- G	0 / 0	-28.0	-28.0	0.23 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 914 (0.27")

CSI: TC=0.73/1.00 (E-F:1) , BC=0.47/1.00 (H-J:2) , WB=0.87/1.00 (C-K:1) , SSI=0.32/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (H) (INPUT = 0.90)
JSI METAL= 0.45 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

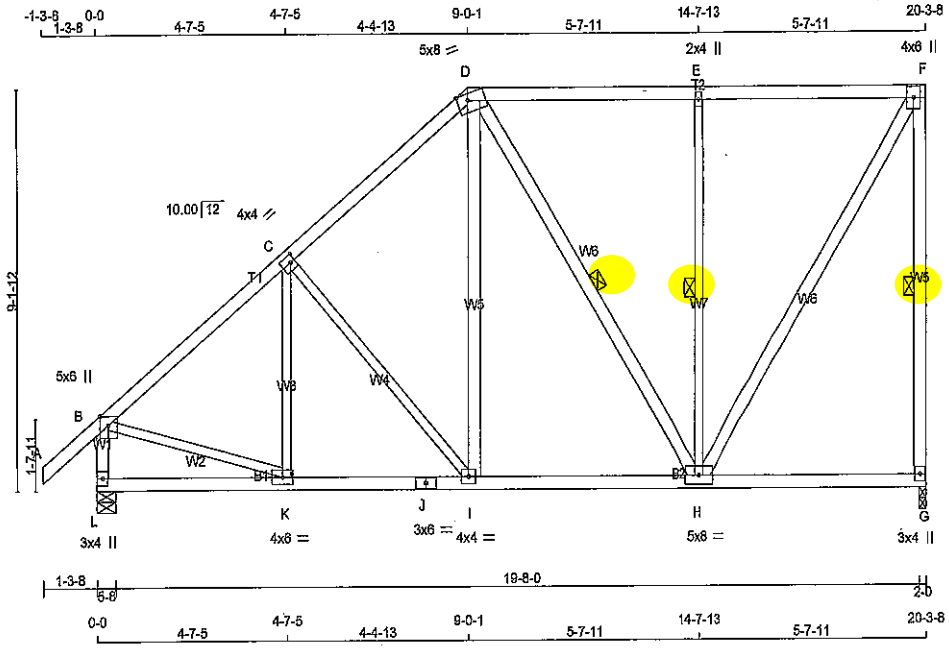
SITE COPY

DWG NO. TAM7433-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T6	4	1	TRUSS DESC.	

Temarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:15 2018 Page 1
ID:hjoZoo0OBU4F?A41V8hJY3ynays-9Q6VsTj0jrycaT8yoFPrNEAn2xnyjBWdsf5qcGzpYP2



TOTAL WEIGHT = 4 X 115 = 461 lb

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TTWW-m	MT20	5.0	8.0	Edge	3.00
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.22 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	CSI	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00	K- C	-143 / 130	0.06 (1)
B- C	-1257 / 0	-104.9	-104.9	0.41 (1)		5.22	C- I	-344 / 0	0.30 (1)
C- D	-1036 / 0	-104.9	-104.9	0.39 (1)		5.64	I- D	0 / 394	0.06 (2)
D- E	-676 / 0	-104.9	-104.9	0.58 (1)		6.13	D- H	-178 / 0	0.10 (1)
E- F	-676 / 0	-104.9	-104.9	0.58 (1)		6.13	H- E	-733 / 0	0.40 (1)
G- F	-1285 / 0	0.0	0.0	0.50 (1)		5.69	H- F	0 / 1258	0.20 (1)
L- B	-1440 / 0	0.0	0.0	0.15 (1)		6.81	B- K	0 / 1032	0.23 (1)
L- K	0 / 0	-28.0	-28.0	0.14 (3)		10.00			
K- J	0 / 993	-28.0	-28.0	0.24 (2)		10.00			
J- I	0 / 993	-28.0	-28.0	0.24 (2)		10.00			
I- H	0 / 772	-28.0	-28.0	0.31 (2)		10.00			
H- G	0 / 0	-28.0	-28.0	0.23 (3)		10.00			

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.58/1.00 (E-F:1) , BC=0.31/1.00 (H-I:2) , WB=0.40/1.00 (E-H:1) , SSI=0.29/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (K) (INPUT = 0.90)
JSI METAL= 0.26 (J) (INPUT = 1.00)

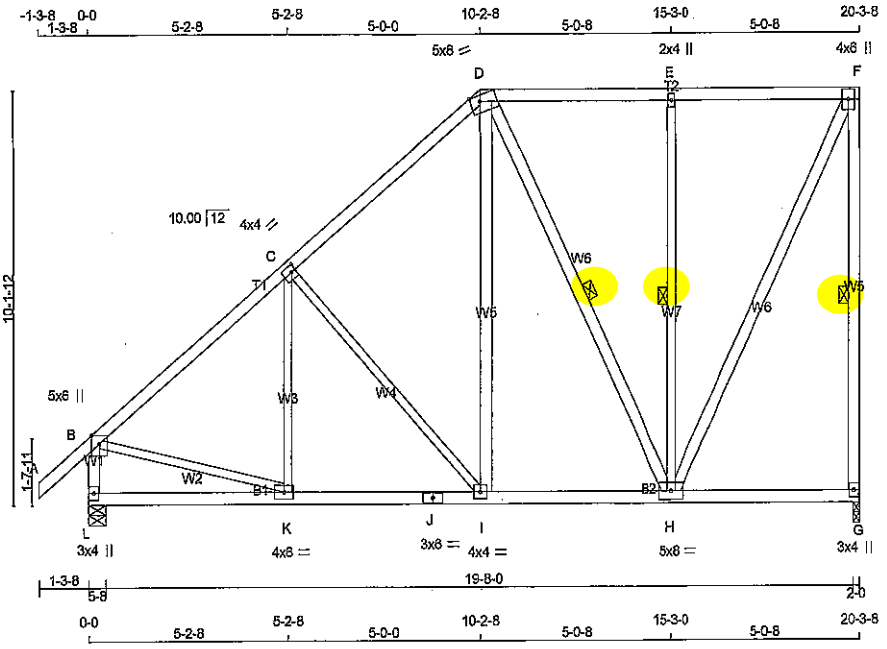
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7434-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T7	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:15 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-9Q6VsTj0jrycaT8yoFPrNEAmzxnDj9edsf5qcGzpYP2



TOTAL WEIGHT = 4 X 122 = 486 lb

[M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW+p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TTWW-m	MT20	5.0	8.0	Edge	3.00
E	TMW+w	MT20	2.0	4.0		
F	TMWW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	K- C	-87 / 184	0.05 (1)
B- C	-1256 / 0	-104.9	-104.9	0.54 (1)	5.02	C- I	-447 / 0	0.52 (1)
C- D	-949 / 0	-104.9	-104.9	0.51 (1)	5.62	I- D	0 / 464	0.07 (1)
D- E	-557 / 0	-104.9	-104.9	0.45 (1)	6.25	D- H	-316 / 0	0.21 (1)
E- F	-558 / 0	-104.9	-104.9	0.45 (1)	6.25	H- E	-654 / 0	0.46 (1)
G- F	-1291 / 0	0.0	0.0	0.65 (1)	5.68	H- F	0 / 1224	0.20 (1)
L- B	-1435 / 0	0.0	0.0	0.15 (1)	6.82	B- K	0 / 1027	0.23 (1)
L- K	0 / 0	-28.0	-28.0	0.19 (3)	10.00			
K- J	0 / 996	-28.0	-28.0	0.29 (2)	10.00			
J- I	0 / 996	-28.0	-28.0	0.29 (2)	10.00			
I- H	0 / 702	-28.0	-28.0	0.25 (2)	10.00			
H- G	0 / 0	-28.0	-28.0	0.17 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL.	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL.	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.65/1.00 (F-G:1) , BC=0.29/1.00 (I-K:2) , WB=0.52/1.00 (C-I:1) , SSI=0.26/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

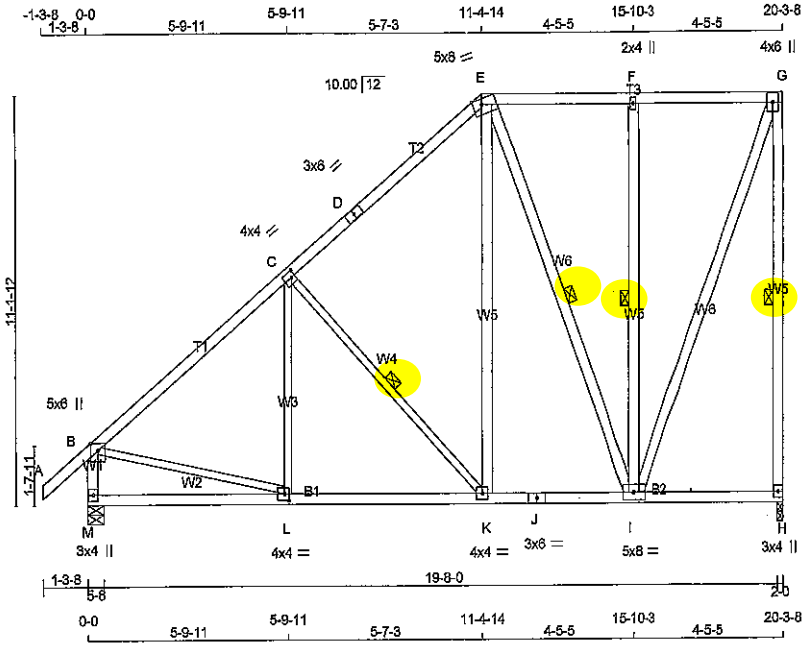
JSI GRIP= 0.75 (K) (INPUT = 0.90)
JSI METAL= 0.29 (J) (INPUT = 1.00)

DWG NO. TAM 74358
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T8	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:16 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-dcgt3pjeU84TBdj8Myw4wRjurL5dSfEn5JqN8izpYP1



TOTAL WEIGHT = 4 X 132 = 526 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TS-t	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	8.0	Edge	3.00
F	TMW+w	MT20	2.0	4.0		
G	TMVW+p	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	4.0	4.0	2.00	1.50
M	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1349	0	1349	0	0	2-0	2-0
M	1494	0	1494	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
M	1173	749 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-1247 / 0	-104.9	-104.9	0.49 (1)	5.13
C- D	-857 / 0	-104.9	-104.9	0.46 (1)	5.96
D- E	-857 / 0	-104.9	-104.9	0.46 (1)	5.96
E- F	-458 / 0	-104.9	-104.9	0.26 (1)	6.25
F- G	-458 / 0	-104.9	-104.9	0.26 (1)	6.25
H- G	-1296 / 0	0.0	0.0	0.83 (1)	5.67
M- B	-1429 / 0	0.0	0.0	0.15 (1)	6.83
M- L	0 / 0	-26.0	-26.0	0.24 (3)	10.00
L- K	0 / 993	-26.0	-26.0	0.34 (2)	10.00
K- J	0 / 627	-26.0	-26.0	0.19 (2)	10.00
J- I	0 / 627	-26.0	-26.0	0.19 (2)	10.00
I- H	0 / 0	-26.0	-26.0	0.13 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
L- C	-36 / 234	0.05 (3)
C- K	-546 / 0	0.26 (1)
K- E	0 / 534	0.09 (1)
E- I	-447 / 0	0.34 (1)
I- F	-575 / 0	0.37 (1)
I- G	0 / 1209	0.19 (1)
B- L	0 / 1018	0.23 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.83/1.00 (G-H:1) , BC=0.34/1.00 (K-L:2) , WB=0.37/1.00 (F-I:1) , SSI=0.23/1.00 (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 = 0.50

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

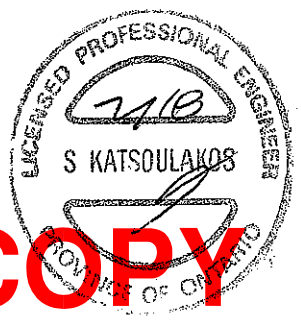
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (L) (INPUT = 0.90)
JSI METAL= 0.37 (L) (INPUT = 1.00)

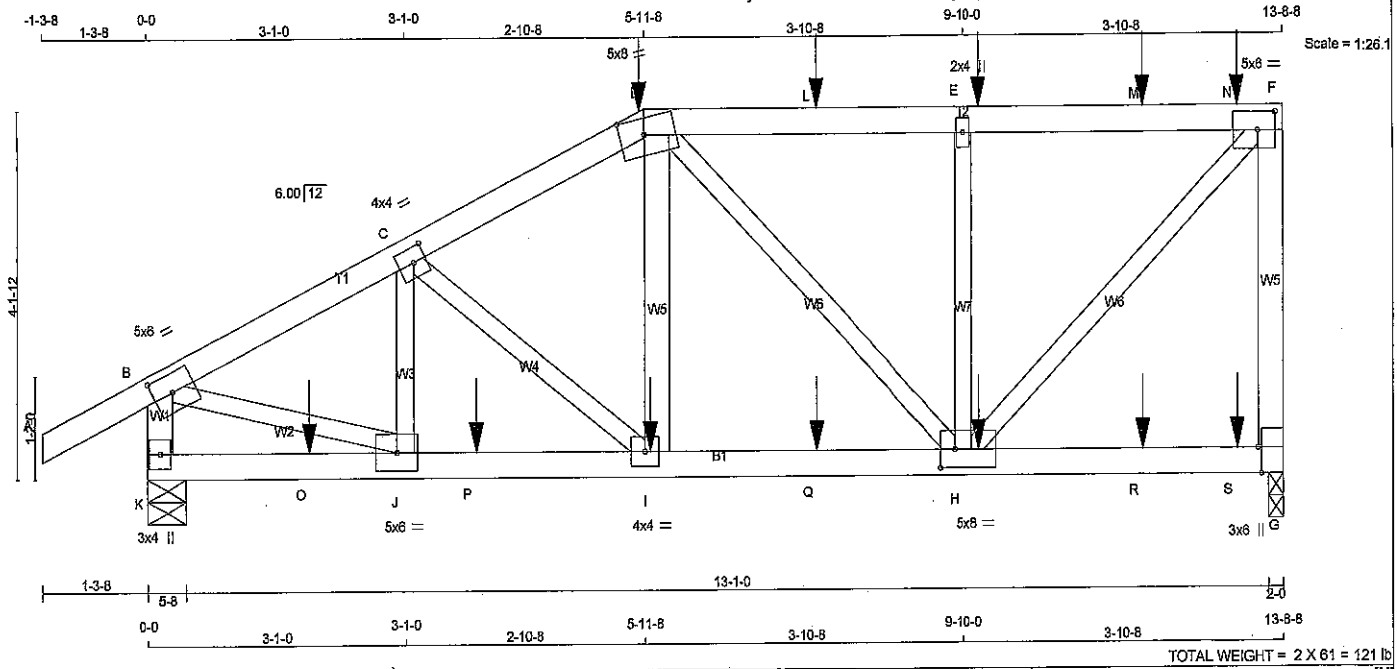


DWG NO. TAM7436-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T9	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:16 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-dcgt3pjeU84TBdj8Myw4wRj_aL5ASdjn5JqN8izpYP1



TOTAL WEIGHT = 2 X 61 = 121 lb

[M]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTWW-m	MT20	5.0	8.0	2.25	3.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.50	2.50
G	BMV1+t	MT20	3.0	6.0	Edge	0.50
H	BMWWW-t	MT20	5.0	8.0	2.50	2.00
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 595.9 lbs FACTORED DOWN AT 5-11-8, 129.6 lbs FACTORED DOWN AT 8-0-4, 129.6 lbs FACTORED DOWN AT 10-0-4, AND 129.6 lbs FACTORED DOWN AT 12-0-4, AND 153.6 lbs FACTORED DOWN AT 13-2-0 ON TOP CHORD, AND 76.2 lbs FACTORED DOWN AT 1-11-4, 71.5 lbs FACTORED DOWN AT 3-11-4, 71.5 lbs FACTORED DOWN AT 6-0-4, 71.5 lbs FACTORED DOWN AT 8-0-4, 71.5 lbs FACTORED DOWN AT 10-0-4, AND 71.5 lbs FACTORED DOWN AT 12-0-4, AND 82.7 lbs FACTORED DOWN AT 13-2-0 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1770	0	1770	0	0	2-0	2-0
K	1626	0	1626	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1405	871 / 0	272 / 0	0 / 0	0 / 0	263 / 0	0 / 0
K	1281	809 / 0	237 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-104.9	-104.9	0.15 (1)	10.00	
B- C	-1852 / 0	-104.9	-104.9	0.18 (1)	4.72	
C- D	-1831 / 0	-104.9	-104.9	0.18 (1)	4.75	
D- L	-1339 / 0	-104.9	-104.9	0.47 (1)	4.91	
L- E	-1339 / 0	-104.9	-104.9	0.47 (1)	4.91	
E- M	-1339 / 0	-104.9	-104.9	0.47 (1)	4.91	
M- N	-1339 / 0	-104.9	-104.9	0.47 (1)	4.91	
N- F	-1339 / 0	-104.9	-104.9	0.47 (1)	4.91	
G- F	-1687 / 0	0.0	0.0	0.46 (1)	6.38	
K- B	-1573 / 0	0.0	0.0	0.17 (1)	6.53	
K- O	0 / 0	-28.0	-28.0	0.11 (2)	10.00	
O- J	0 / 0	-28.0	-28.0	0.11 (2)	10.00	
J- P	0 / 1668	-28.0	-28.0	0.34 (1)	10.00	
P- I	0 / 1668	-28.0	-28.0	0.34 (1)	10.00	
I- Q	0 / 1631	-28.0	-28.0	0.37 (1)	10.00	
Q- H	0 / 1631	-28.0	-28.0	0.37 (1)	10.00	
H- R	0 / 0	-28.0	-28.0	0.20 (2)	10.00	
R- S	0 / 0	-28.0	-28.0	0.20 (2)	10.00	
S- G	0 / 0	-28.0	-28.0	0.20 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- C	-320 / 82	0.06 (1)
C- I	-101 / 0	0.03 (3)
I- D	0 / 333	0.06 (2)
D- H	-412 / 0	0.20 (1)
H- E	-827 / 0	0.23 (1)
H- F	0 / 1668	0.47 (1)
B- J	0 / 1731	0.43 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC	MAX-	MAX+	FACE	DIR.	TYPE
D	5-11-8	-596	-596	—	BACK	VERT	TOTAL
E	10-0-4	-130	-130	—	BACK	VERT	TOTAL
H	10-0-4	-41	-71	—	BACK	VERT	TOTAL
I	8-0-4	-41	-71	—	BACK	VERT	TOTAL
L	8-0-4	-130	-130	—	BACK	VERT	TOTAL
M	12-0-4	-130	-130	—	BACK	VERT	TOTAL
N	13-2-0	-154	-154	—	BACK	VERT	TOTAL
O	1-11-4	-42	-76	—	BACK	VERT	TOTAL
P	3-11-4	-41	-71	—	BACK	VERT	TOTAL
Q	8-0-4	-41	-71	—	BACK	VERT	TOTAL
R	12-0-4	-41	-71	—	BACK	VERT	TOTAL
S	13-2-0	-47	-33	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL. =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL. =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.47/1.00 (E-F:1) , BC=0.37/1.00 (H-I:1) , WB=0.47/1.00 (F-H:1) , SSI=0.30/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (F) (INPUT = 0.90)
JSI METAL= 0.50 (B) (INPUT = 1.00)

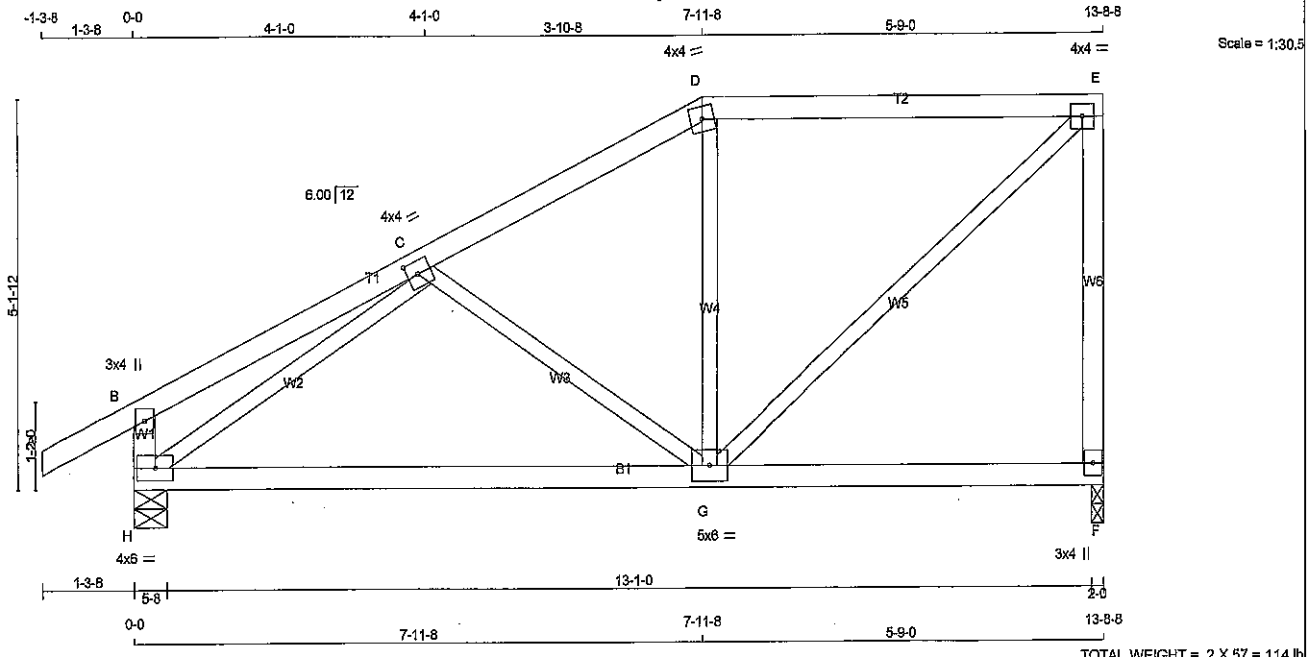
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM7437-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T10	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:16 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-dcgt3pjeU84TBdj8Myw4wRj_sL35Se7n5JqN8izpYP1



TOTAL WEIGHT = 2 X 57 = 114 lb

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	6.0		
H	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	911	0	911	0	0	2-0	2-0
H	1053	0	1053	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0
H	822	533 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-104.9	-104.9	0.14 (1)	10.00	
B- C	0 / 21	-104.9	-104.9	0.26 (1)	10.00	
C- D	-755 / 0	-104.9	-104.9	0.21 (1)	6.25	
D- E	-653 / 0	-104.9	-104.9	0.45 (1)	6.25	
F- E	-862 / 0	0.0	0.0	0.39 (1)	7.81	
H- B	-304 / 0	0.0	0.0	0.03 (1)	7.81	
H- G	0 / 920	-28.0	-28.0	0.50 (2)	10.00	
G- F	0 / 0	-28.0	-28.0	0.42 (3)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- G	-323 / 30	0.13 (1)
G- D	-133 / 129	0.05 (1)
G- E	0 / 861	0.19 (1)
H- C	-1131 / 0	0.44 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 634 (0.26")

CSI: TC=0.45/1.00 (D-E:1) , BC=0.50/1.00 (G-H:2) , WB=0.44/1.00 (C-H:1) , SSI=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

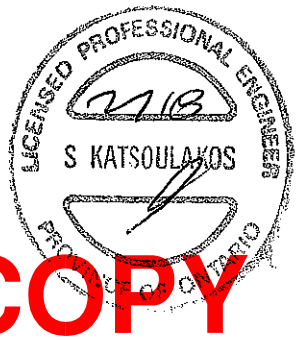
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (E) (INPUT = 0.90)
JSI METAL= 0.36 (C) (INPUT = 1.00)

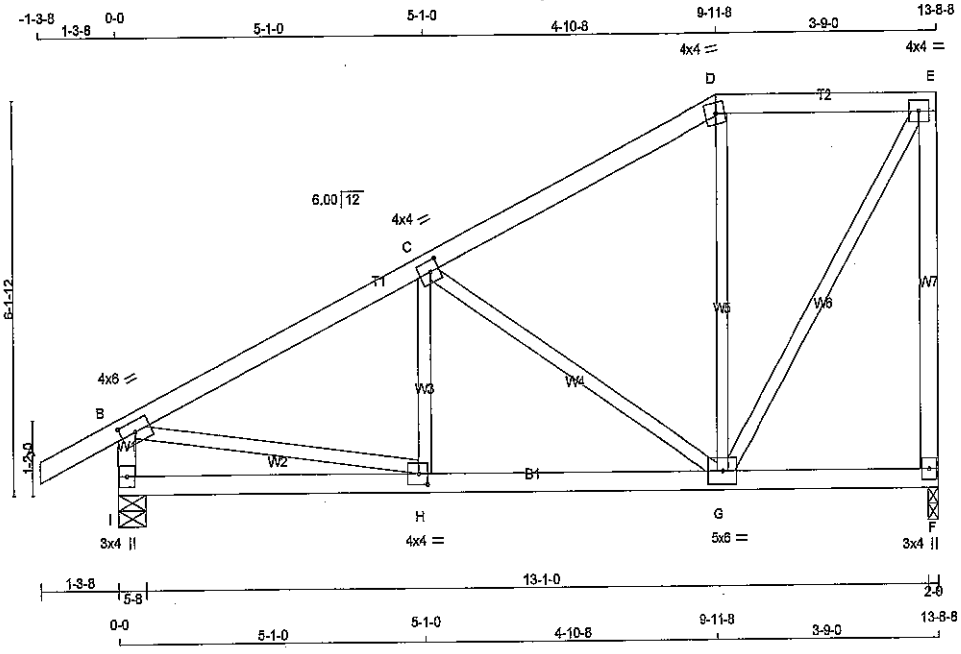


DWG NO. TAM 7436-19
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T11	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:17 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-5pEGH9kGFSCKpn1LwgRJSfF6ckSzB5mwKzaxh8zpYP0



TOTAL WEIGHT = 2 X 62 = 125 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0	2.00	3.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	6.0		
H	BMWW-t	MT20	4.0	4.0	2.00	1.75
I	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	911	0	911	0	0	2-0	2-0
I	1053	0	1053	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0
I	822	533 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.69 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-104.9	-104.9	0.14 (1)		10.00
B- C	-1054 / 0	-104.9	-104.9	0.34 (1)		5.69
C- D	-503 / 0	-104.9	-104.9	0.33 (1)		6.25
D- E	-421 / 0	-104.9	-104.9	0.19 (1)		6.25
F- E	-672 / 0	0.0	0.0	0.64 (1)		7.81
I- B	-994 / 0	0.0	0.0	0.10 (1)		7.81
I- H	0 / 0	-28.0	-28.0	0.17 (3)		10.00
H- G	0 / 987	-28.0	-28.0	0.27 (2)		10.00
G- F	0 / 0	-28.0	-28.0	0.11 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-7 / 212	0.05 (3)
C- G	-657 / 0	0.42 (1)
G- D	-177 / 66	0.11 (1)
G- E	0 / 797	0.18 (1)
B- H	0 / 981	0.22 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.05")

CSI: TC=0.64/1.00 (E-F:1) , BC=0.27/1.00 (G-H:2) , WB=0.42/1.00 (C-G:1) , SSI=0.23/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.36 (H) (INPUT = 1.00)

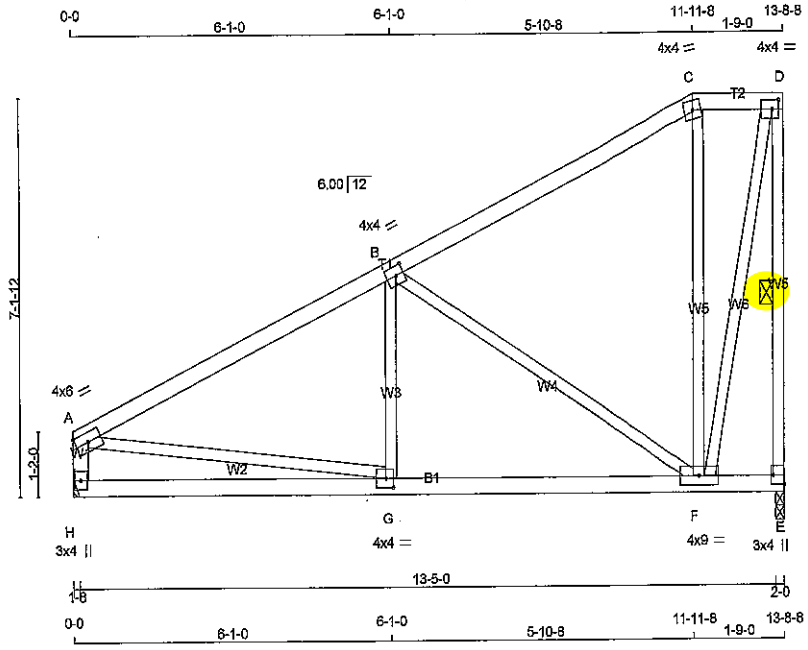
LICENSED PROFESSIONAL ENGINEER
216
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7439 -18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T12	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:17 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-5pEGH9kGFSCKpnILwgRJSfF9mkRZB_qwKzaxh8zpYP0



Scale = 1:41.6

TOTAL WEIGHT = 2 X 63 = 126 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
E - D	2x3	DRY	No.2	SPF
H - A	2x4	DRY	No.2	SPF
H - E	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-t	MT20	4.0	6.0		Edge
B	TMWW-t	MT20	4.0	4.0	2.00	1.75
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0	2.00	1.50
E	BMV1+p	MT20	3.0	4.0	2.00	Edge
F	BMWWW-t	MT20	4.0	9.0		
G	BMWW-t	MT20	4.0	4.0	2.00	1.75
H	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
E	911	0	911	0	0	IN-SX	IN-SX
H	911	0	911	0	0	2-0	2-0
						HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0
H	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.51 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-1011 / 0	-104.9	-104.9	0.50	(1)	5.51	G- B	0 / 290	0.07 (3)
B- C	-258 / 0	-104.9	-104.9	0.48	(1)	6.25	B- F	-877 / 0	0.86 (1)
C- D	-196 / 0	-104.9	-104.9	0.04	(1)	6.25	F- C	-223 / 23	0.20 (1)
E- D	-909 / 0	0.0	0.0	0.29	(1)	5.71	F- D	0 / 841	0.19 (1)
H- A	-843 / 0	0.0	0.0	0.09	(1)	7.81	A- G	0 / 944	0.21 (1)
H- G	0 / 0	-28.0	-28.0	0.26	(3)	10.00			
G- F	0 / 935	-28.0	-28.0	0.35	(2)	10.00			
F- E	0 / 0	-28.0	-28.0	0.12	(3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.50/1.00 (A-B:1) , BC=0.36/1.00 (F-G:2) , WB=0.86/1.00 (B-F:1) , SSI=0.28/1.00 (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 = 0.50

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

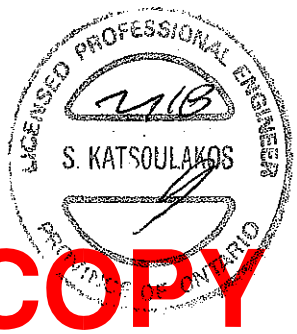
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (G) (INPUT = 0.90)
JSI METAL= 0.35 (G) (INPUT = 1.00)



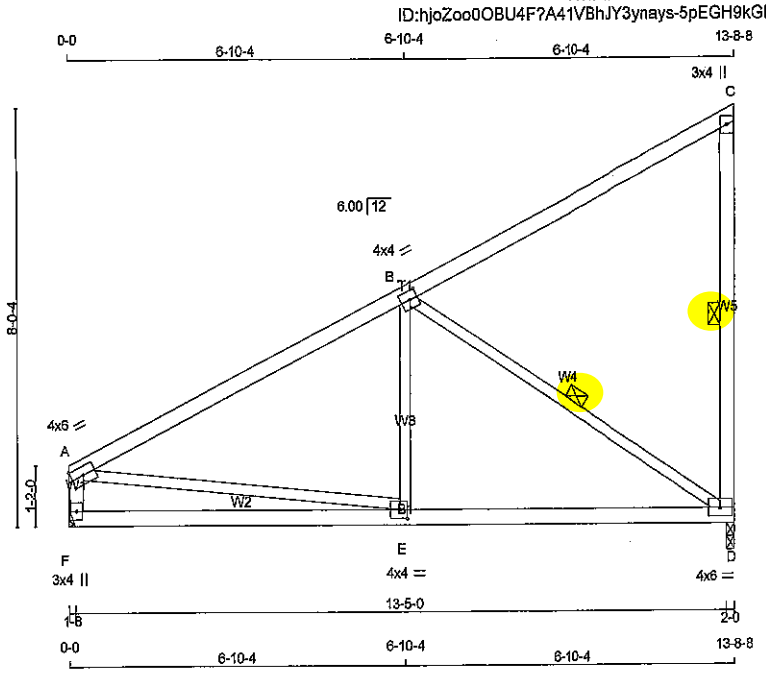
SITE COPY

DWG NO. TAM7440-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T13	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:17 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-5pEGH9kGFSCKpnILwgRJSfF6BkPnB4BwKzaxh8zpYP0



Scale = 1:44.4

TOTAL WEIGHT = 4 X 57 = 229 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - A	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-t	MT20	4.0	6.0		Edge
B	TMWW-t	MT20	4.0	4.0	2.00	1.75
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-t	MT20	4.0	6.0		
E	BMWW-t	MT20	4.0	4.0	2.00	1.75
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

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
D	911	0	911	0	0	2-0	2-0
F	911	0	911	0	0	IN-SX HANGER BY OTHERS MIN. SEAT SIZE: 1-8	IN-SX

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0
F	726	445 / 0	144 / 0	0 / 0	0 / 0	137 / 0	0 / 0

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-972 / 0	-104.9	-104.9	0.67 (1)	5.21	E- B	0 / 370	0.08 (3)
B- C	-39 / 0	-104.9	-104.9	0.64 (1)	6.25	B- D	-1067 / 0	0.45 (1)
D- C	-271 / 0	0.0	0.0	0.08 (1)	6.25	A- E	0 / 912	0.21 (1)
F- A	-837 / 0	0.0	0.0	0.08 (1)	7.81			
F- E	0 / 0	-26.0	-28.0	0.36 (3)	10.00			
E- D	0 / 905	-28.0	-28.0	0.48 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.67/1.00 (A-B:1) , BC=0.48/1.00 (D-E:2) , WB=0.45/1.00 (B-D:1) , SSI=0.31/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (E) (INPUT = 0.90)
JSI METAL= 0.34 (E) (INPUT = 1.00)

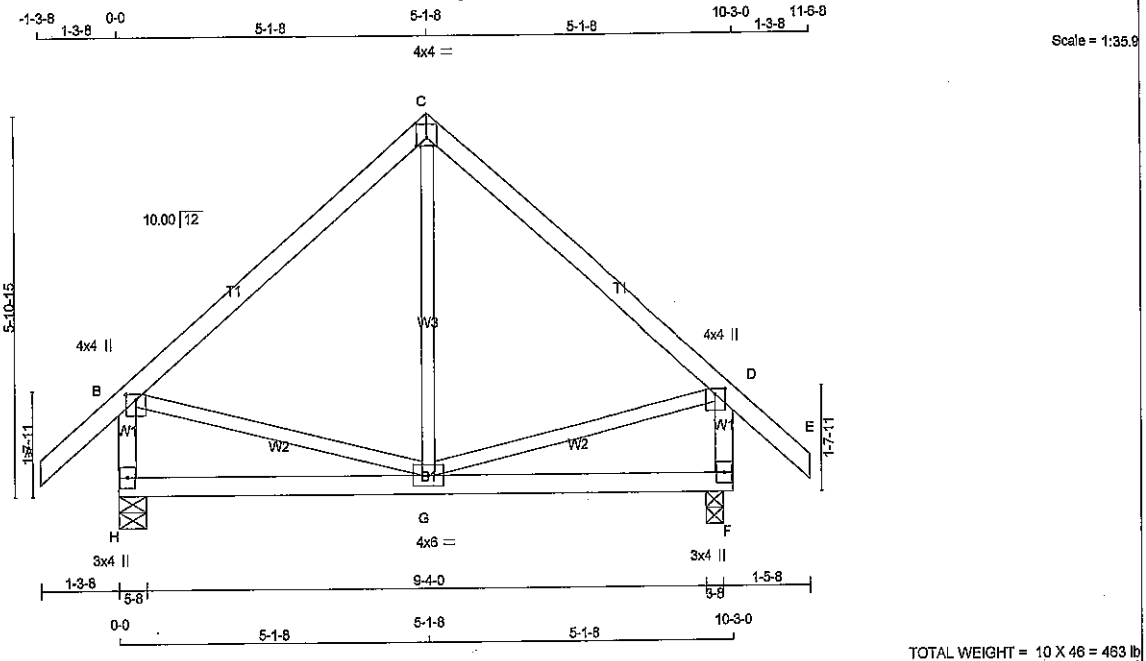
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7441 -18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T14	10	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:17 2018 Page 1
ID:hjoZco0OBU4F?A41VBhJY3ynays-5pEGH9kGFSCKpn1LwgRJSfFB4kTqBA4wKzaxh8zpYP0



TOTAL WEIGHT = 10 X 46 = 463 lb

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-p	MT20	4.0	4.0	1.50	2.00
D	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	827	0	827	0	0	5-8	5-8
F	827	0	827	0	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	641	423 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0
F	641	423 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO						FR-TO		
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	G- C	0 / 230	0.05 (3)
B- C	-428 / 0	-104.9	-104.9	0.36 (1)	6.25	B- G	0 / 339	0.08 (1)
C- D	-428 / 0	-104.9	-104.9	0.36 (1)	6.25	G- D	0 / 339	0.08 (1)
D- E	0 / 47	-104.9	-104.9	0.14 (1)	10.00			
H- B	-772 / 0	0.0	0.0	0.08 (1)	7.81			
F- D	-772 / 0	0.0	0.0	0.08 (1)	7.81			
H- G	0 / 0	-28.0	-28.0	0.22 (3)	10.00			
G- F	0 / 0	-28.0	-28.0	0.22 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.36/1.00 (B-C:1) , BC=0.22/1.00 (G-H:3) , WB=0.08/1.00 (D-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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (C) (INPUT = 0.90)
JSI METAL= 0.18 (D) (INPUT = 1.00)

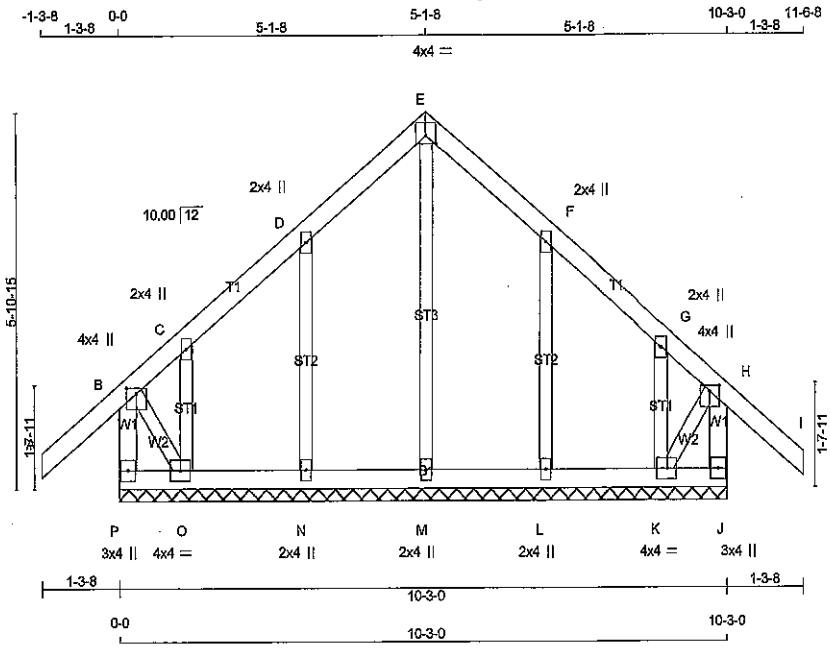
LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7442-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	G14	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:12 2018 Page 1
ID:hjoZoo0OBU4F?A41V8hJY3ynays-lrRNDRg8QwZ1j?PN76r8lbYNejpfWwhBAhsA?xzpYP5



TOTAL WEIGHT = 2 X 50 = 100 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - J	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, F, G						
C	TMW+w	MT20	2.0	4.0		
E	TTW-p	MT20	4.0	4.0	1.50	2.00
H	TMVW+p	MT20	4.0	4.0	1.00	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW1-t	MT20	4.0	4.0		
L, M, N						
L	BMW1+w	MT20	2.0	4.0		
O	BMWW1-t	MT20	4.0	4.0		
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
P- B	-310 / 0	0.0	0.0	0.03 (1)		7.81
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00
B- C	-71 / 0	-104.9	-104.9	0.14 (1)		6.25
C- D	0 / 0	-104.9	-104.9	0.07 (1)		10.00
D- E	-19 / 0	-104.9	-104.9	0.07 (1)		6.25
E- F	-19 / 0	-104.9	-104.9	0.07 (1)		6.25
F- G	0 / 0	-104.9	-104.9	0.07 (1)		10.00
G- H	-71 / 0	-104.9	-104.9	0.14 (1)		6.25
H- I	0 / 47	-104.9	-104.9	0.14 (1)		10.00
J- H	-310 / 0	0.0	0.0	0.03 (1)		7.81
P- O	0 / 0	-28.0	-28.0	0.02 (3)		10.00
O- N	0 / 9	-28.0	-28.0	0.02 (2)		10.00
N- M	0 / 3	-28.0	-28.0	0.02 (3)		10.00
M- L	0 / 3	-28.0	-28.0	0.02 (3)		10.00
L- K	0 / 9	-28.0	-28.0	0.02 (2)		10.00
K- J	0 / 0	-28.0	-28.0	0.02 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	-167 / 0	0.09 (1)
N- D	-253 / 0	0.07 (1)
O- C	-50 / 0	0.01 (1)
L- F	-253 / 0	0.07 (1)
K- G	-50 / 0	0.01 (1)
B- O	0 / 17	0.00 (1)
K- H	0 / 17	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B:1) , BC=0.02/1.00 (N-O:2) , WB=0.09/1.00 (E-M:1) , SSI=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (E) (INPUT = 0.90)
JSI METAL= 0.07 (D) (INPUT = 1.00)

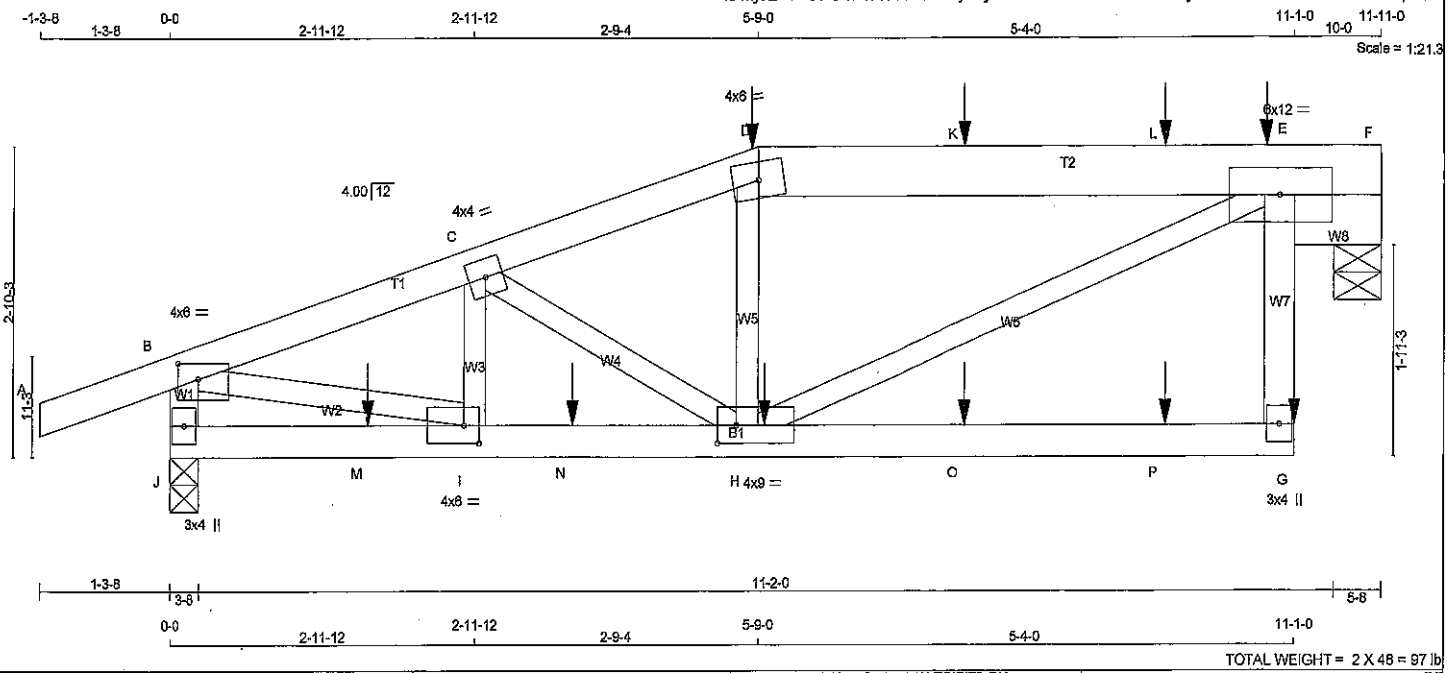
DWG NO. TAM 7446-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T15	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:18 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-a?oeUUlu0mKBRwtXUNyY?soGA8kEwWz3ZdJUDbzpYP?



TOTAL WEIGHT = 2 X 48 = 97 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x6	DRY	1650F 1.5E	SPF
E - F	2x6	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	6.0	1.75	2.50
C	TMWW-t	MT20	4.0	4.0		
D	TTW-m	MT20	4.0	6.0		
E	TMVWW-t	MT20	6.0	12.0		
G	BMV+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0	2.00	2.25
I	BMWW-t	MT20	4.0	6.0	2.00	1.75
J	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 577.6 lbs FACTORED DOWN AT 5-9-0, 121.4 lbs FACTORED DOWN AT 7-9-12, AND 121.4 lbs FACTORED DOWN AT 9-9-12, AND 121.4 lbs FACTORED DOWN AT 10-9-12 ON TOP CHORD, AND 80.7 lbs FACTORED DOWN AT 1-11-4, 65.4 lbs FACTORED DOWN AT 3-11-4, 65.4 lbs FACTORED DOWN AT 5-9-12, 65.4 lbs FACTORED DOWN AT 7-9-12, AND 65.4 lbs FACTORED DOWN AT 9-9-12, AND 83.3 lbs FACTORED DOWN AT 11-1-0 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1483	0	1483	0	0	3-8	3-8
J	1437	0	1437	0	0	3-8	3-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1177	730 / 0	228 / 0	0 / 0	0 / 0	220 / 0	0 / 0
J	1137	712 / 0	216 / 0	0 / 0	0 / 0	209 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.48 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 22	-104.9	-104.9	0.14 (1)	10.00
B- C	-2097 / 0	-104.9	-104.9	0.19 (1)	4.48
C- D	-2091 / 0	-104.9	-104.9	0.17 (1)	4.52
D- K	-2011 / 0	-104.9	-104.9	0.72 (1)	4.99
K- L	-2011 / 0	-104.9	-104.9	0.72 (1)	4.99
L- E	-2011 / 0	-104.9	-104.9	0.72 (1)	4.99
E- F	0 / 0	-104.9	-104.9	0.37 (1)	10.00
G- E	0 / 257	0.0	0.0	0.05 (2)	10.00
J- B	-1364 / 0	0.0	0.0	0.15 (1)	6.91
J- M	0 / 0	-28.0	-28.0	0.14 (2)	10.00
M- I	0 / 0	-28.0	-28.0	0.14 (2)	10.00
I- N	0 / 1998	-28.0	-28.0	0.53 (2)	10.00
N- H	0 / 1998	-28.0	-28.0	0.53 (2)	10.00
H- O	0 / 0	-28.0	-28.0	0.30 (2)	10.00
O- P	0 / 0	-28.0	-28.0	0.30 (2)	10.00
P- G	0 / 0	-28.0	-28.0	0.30 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- C	-310 / 0	0.05 (1)
C- H	-13 / 34	0.01 (3)
H- D	-559 / 25	0.12 (1)
H- E	0 / 2211	0.55 (1)
B- I	0 / 2041	0.51 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
D	5-9-0	-578	-578	---	BACK	VERT	TOTAL
E	10-9-12	-121	-121	---	BACK	VERT	TOTAL
G	11-1-0	-48	-83	---	BACK	VERT	TOTAL
H	5-9-12	-37	-65	---	BACK	VERT	TOTAL
K	7-9-12	-121	-121	---	BACK	VERT	TOTAL
L	9-9-12	-121	-121	---	BACK	VERT	TOTAL
M	1-11-4	-81	-81	---	BACK	VERT	TOTAL
N	3-11-4	-37	-65	---	BACK	VERT	TOTAL
O	7-9-12	-37	-65	---	BACK	VERT	TOTAL
P	9-9-12	-37	-65	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.40")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = L/ 667 (0.21")

CSI: TC=0.72/1.00 (D-E:1) , BC=0.53/1.00 (H-I:2) , WB=0.55/1.00 (E-H:1) , SSI=0.49/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (I) (INPUT = 0.90)
JSI METAL= 0.50 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
STAVROS SOULAKOS
PROVINCE OF ONTARIO

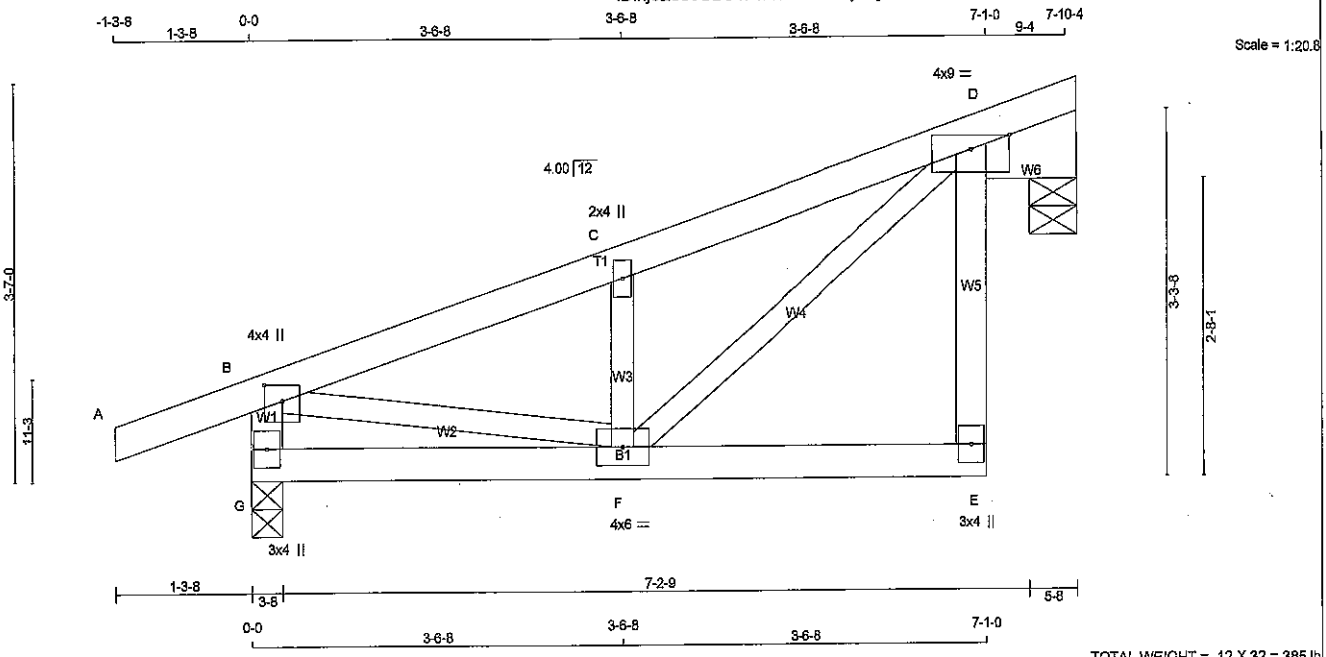
DWG NO. TAM 7443 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T16	12	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:18 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-a?oeUUlu0mKBRwtXUNyY?soP?8r?wc43ZdJUDbzpYP?



TOTAL WEIGHT = 12 X 32 = 385 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW+p	MT20	4.0	4.0	1.75	2.00
C	TMW+w	MT20	2.0	4.0		
D	TMWW1-p	MT20	4.0	9.0	Edge	
E	BMV+p	MT20	3.0	4.0		
F	BMWW-t	MT20	4.0	6.0		
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

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	471	0	471	0	0	5-8 (5-7)	5-8
G	611	0	611	0	0	3-8	3-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	375	230 / 0	74 / 0	0 / 0	0 / 0	71 / 0	0 / 0
G	470	317 / 0	74 / 0	0 / 0	0 / 0	79 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX. CSI	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 22	-104.9	-104.9	0.13 (1)		10.00	F- C	-443 / 0	0.07 (1)
B- C	-575 / 0	-104.9	-104.9	0.15 (1)		6.25	F- D	0 / 696	0.16 (1)
C- D	-568 / 0	-104.9	-104.9	0.15 (1)		6.25	B- F	0 / 566	0.13 (1)
E- D	0 / 67	0.0	0.0	0.01 (2)		10.00			
G- B	-567 / 0	0.0	0.0	0.06 (1)		7.81			
G- F	0 / 0	-28.0	-28.0	0.09 (3)		10.00			
F- E	0 / 0	-28.0	-28.0	0.09 (3)		10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.02")

CSI: TC=0.15/1.00 (B-C:1) , BC=0.09/1.00 (E-F:3) , WB=0.16/1.00 (D-F:1) , SSI=0.17/1.00 (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 = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1657	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (F) (INPUT = 0.90)
JSI METAL= 0.19 (B) (INPUT = 1.00)

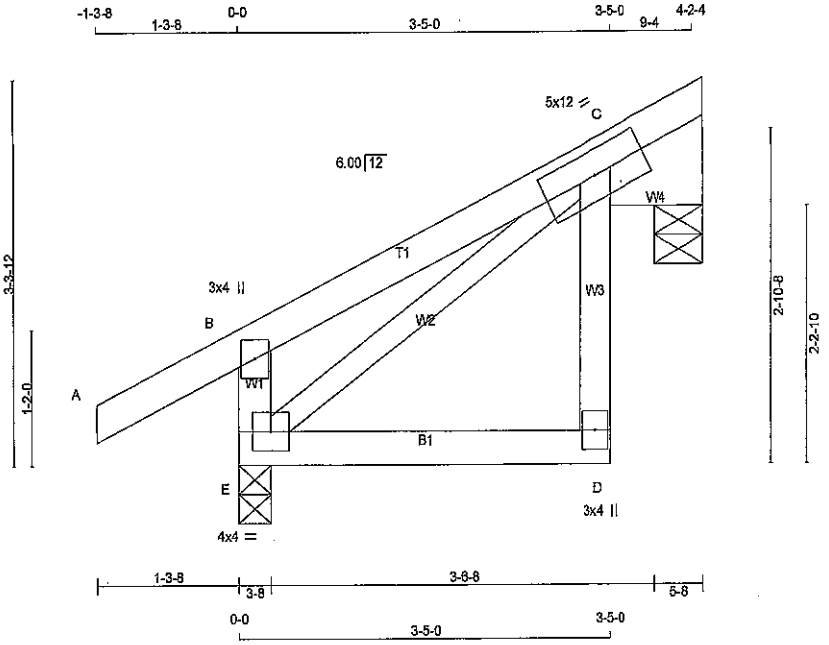
LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7444-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286651	T17	10	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:33:18 2018 Page 1
ID:hjaZoo0OBU4F?A41VBhJY3ynays-a?oeUUlu0mKBRwtXUNyY?soO78rvweW3ZdJUDbzpYP?



TOTAL WEIGHT = 10 X 20 = 201 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
E - B	2x4	DRY	No.2	SPF
E - 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	TMV+p	MT20	3.0	4.0	
C	TMVWW1-t	MT20	5.0	12.0	
D	BMV+p	MT20	3.0	4.0	
E	BMVW1-t	MT20	4.0	4.0	

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
C	227	0	227	0	0	5-8	5-8
E	369	0	369	0	0	3-8	3-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	181	111 / 0	36 / 0	0 / 0	0 / 0	34 / 0	0 / 0
E	277	199 / 0	36 / 0	0 / 0	0 / 0	42 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-104.9	-104.9	0.14 (1)	10.00	E- C	0 / 0	0.00 (1)	
B- C	0 / 0	-104.9	-104.9	0.21 (1)	10.00				
D- C	0 / 84	0.0	0.0	0.01 (3)	10.00				
E- B	-322 / 0	0.0	0.0	0.03 (1)	7.81				
E- D	0 / 0	-28.0	-28.0	0.10 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 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=0.21/1.00 (B-C:1) , BC=0.10/1.00 (D-E:3) , WB=0.00/1.00 (C-E:1) , SSI=0.13/1.00 (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 = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

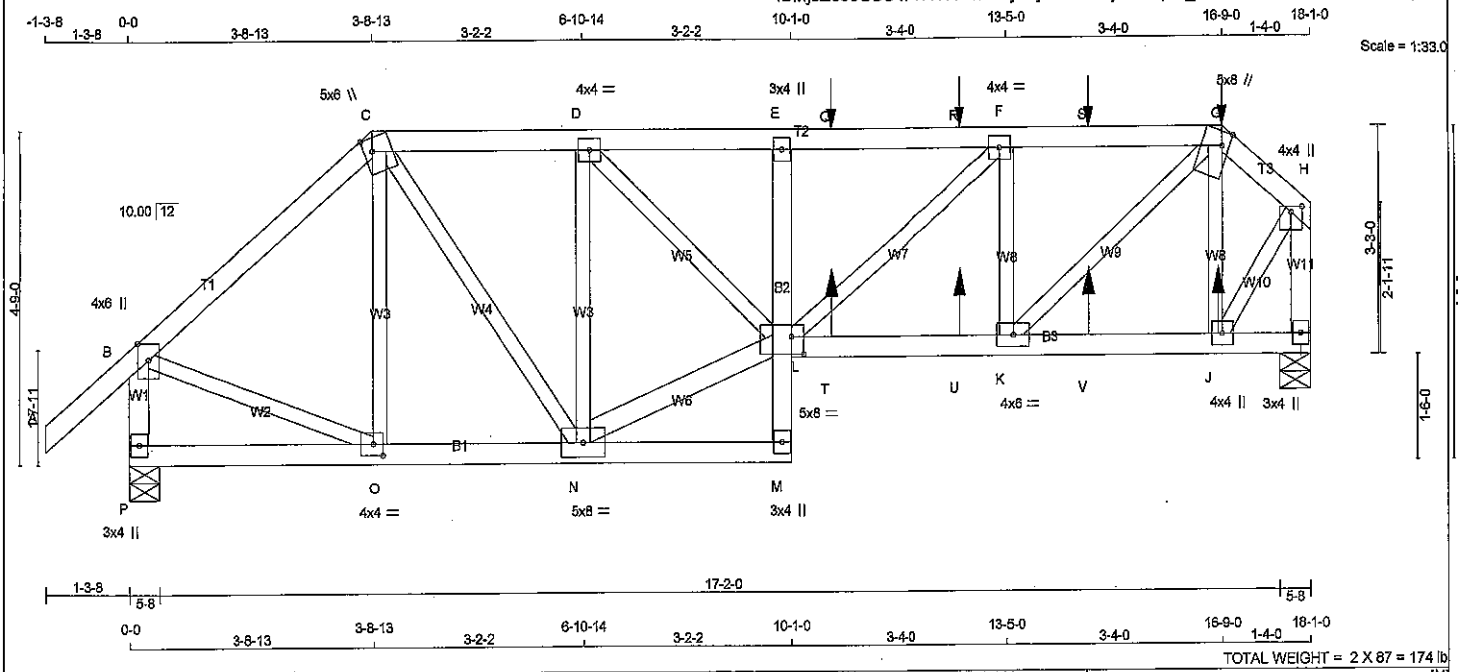
DWG NO. TAM 7445-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T19S	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:34:38 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-EOdtHrj4ALPq1D_vAAOJFk62RO6afl6ry4hj0yzpYN



TOTAL WEIGHT = 2 X 87 = 174 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - E	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
N - L	2x4	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	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWW-t	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TTWW+m	MT20	5.0	8.0	Edge	1.25
H	TMVW+p	MT20	4.0	4.0	1.00	2.00
I	BMV1+p	MT20	3.0	4.0		
J	BMWW+t	MT20	4.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BVMWWW-I	MT20	5.0	8.0	3.00	2.25
M	BMV+p	MT20	3.0	4.0		
N	BMWWW-t	MT20	5.0	8.0		
O	BMWW-t	MT20	4.0	4.0	2.00	1.75
P	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1.0 lbs FACTORED DOWN AND 152.6 lbs FACTORED UP AT 10-8-4, 1.0 lbs FACTORED DOWN AND 152.6 lbs FACTORED UP AT 12-8-4, AND 1.0 lbs FACTORED DOWN AND 152.6 lbs FACTORED UP AT 14-8-4, AND 1.0 lbs FACTORED DOWN AND 152.6 lbs FACTORED UP AT 16-9-0 ON TOP CHORD, AND 1.0 lbs FACTORED DOWN AND 14.9 lbs FACTORED UP AT 10-8-4, 1.0 lbs FACTORED DOWN AND 14.9 lbs FACTORED UP AT 12-8-4, AND 1.0 lbs FACTORED DOWN AND 14.9 lbs FACTORED UP AT 14-8-4, AND 1.0 lbs FACTORED DOWN AND 14.9 lbs FACTORED UP AT 16-8-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	1336	0	1336	0	0	5-8	5-8
I	1167	0	1167	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1049	670 / 0	190 / 0	0 / 0	0 / 0	189 / 0	0 / 0
I	936	564 / 0	192 / 0	0 / 0	0 / 0	181 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.16	(1)	10.00	O- C	-164 / 71	0.06 (1)
B- C	-1052 / 0	-104.9	-104.9	0.30	(1)	5.71	C- N	0 / 611	0.15 (1)
C- D	-1153 / 0	-104.9	-104.9	0.18	(5)	5.71	N- D	-965 / 0	0.33 (1)
D- E	-1765 / 0	-104.9	-104.9	0.19	(1)	4.78	L- F	0 / 526	0.13 (5)
E- Q	-1800 / 0	-104.9	-104.9	0.23	(1)	4.72	K- F	-732 / 0	0.15 (1)
Q- R	-1800 / 0	-104.9	-104.9	0.23	(1)	4.72	K- G	0 / 1217	0.30 (1)
R- F	-1800 / 0	-104.9	-104.9	0.23	(1)	4.72	J- G	-582 / 0	0.12 (1)
F- S	-1412 / 0	-104.9	-104.9	0.21	(1)	5.22	B- O	0 / 851	0.21 (1)
S- G	-1412 / 0	-104.9	-104.9	0.21	(1)	5.22	J- H	0 / 834	0.21 (1)
G- H	-582 / 0	-104.9	-104.9	0.04	(1)	6.25	N- L	0 / 1264	0.22 (1)
P- B	-1291 / 0	0.0	0.0	0.15	(1)	7.06	D- L	0 / 865	0.21 (1)
I- H	-1164 / 0	0.0	0.0	0.15	(1)	7.35			
P- O	0 / 0	-28.0	-28.0	0.10	(7)	10.00			
O- N	0 / 802	-28.0	-28.0	0.19	(1)	10.00			
N- M	0 / 30	-28.0	-28.0	0.06	(7)	10.00			
M- L	0 / 63	0.0	0.0	0.07	(1)	10.00			
L- E	-312 / 0	0.0	0.0	0.07	(1)	7.81			
L- T	0 / 1412	-28.0	-28.0	0.29	(1)	10.00			
T- U	0 / 1412	-28.0	-28.0	0.29	(1)	10.00			
U- K	0 / 1412	-28.0	-28.0	0.29	(1)	10.00			
K- V	0 / 499	-28.0	-28.0	0.13	(2)	10.00			
V- J	0 / 499	-28.0	-28.0	0.13	(2)	10.00			
J- I	0 / 0	-28.0	-28.0	0.05	(2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
G	16-9-0	-0	-1	153	FRONT	VERT	TOTAL
J	16-8-4	12	1	15	FRONT	VERT	TOTAL
Q	10-8-4	-0	-1	153	FRONT	VERT	TOTAL
R	12-8-4	-0	-1	153	FRONT	VERT	TOTAL
S	14-8-4	-0	-1	153	FRONT	VERT	TOTAL
T	10-8-4	12	1	15	FRONT	VERT	TOTAL
U	12-8-4	12	1	15	FRONT	VERT	TOTAL
V	14-8-4	12	1	15	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.60")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.60")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.30/1.00 (B-C:1) , BC=0.29/1.00 (K-L:1) , WB=0.33/1.00 (D-N:1) , SSI=0.18/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

(SI GRIP= 0.88 (D) (INPUT = 0.90.)
(SI METAL= 0.30 (O) (INPUT = 1.00)

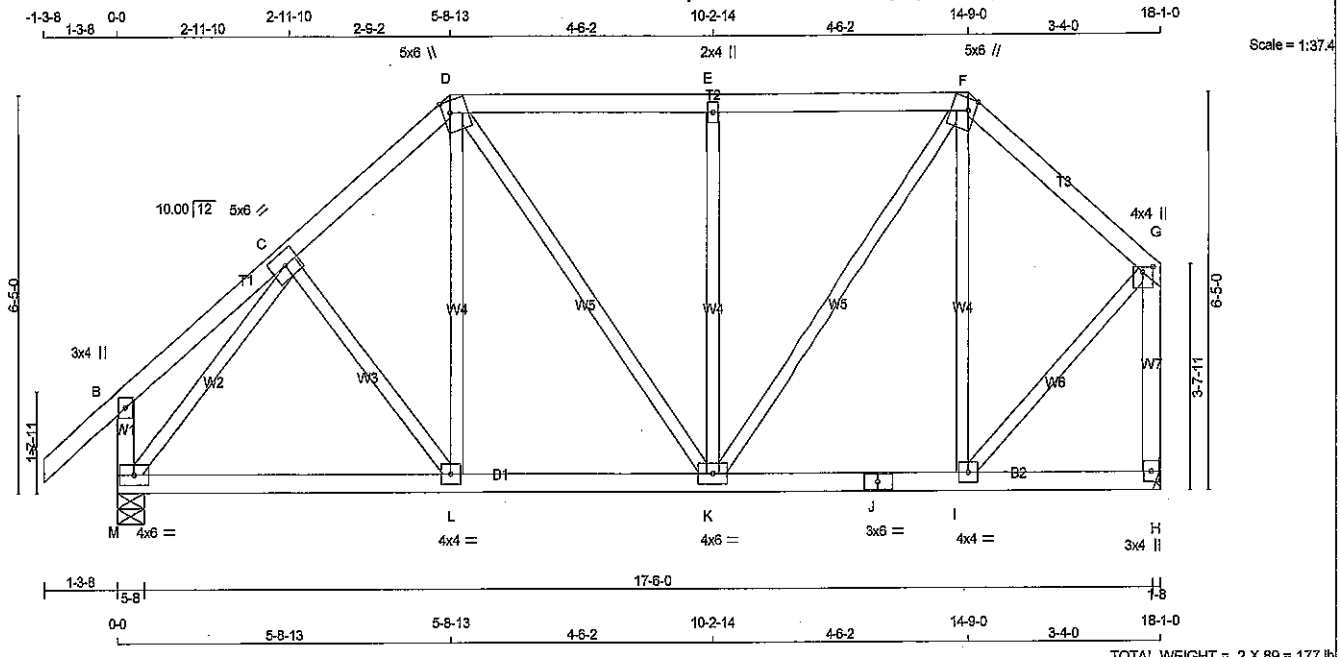
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7448-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T20	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:34:38 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-EOdtHrj4ALPq1D_vAAOJFk61TO6ZfkOry4hj0yzpYNI



TOTAL WEIGHT = 2 X 89 = 177 lb

[M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMWW+p	MT20	4.0	4.0	1.00	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1347	0	1347	0	0	5-8	5-8
H	1202	0	1202	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1056	677 / 0	190 / 0	0 / 0	0 / 0	189 / 0	0 / 0
H	958	587 / 0	190 / 0	0 / 0	0 / 0	181 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.92 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	C- L	-6 / 86	0.02 (3)
B- C	0 / 20	-104.9	-104.9	0.13 (1)	10.00	L- D	0 / 246	0.06 (2)
C- D	-1043 / 0	-104.9	-104.9	0.14 (1)	5.99	D- K	0 / 220	0.05 (1)
D- E	-916 / 0	-104.9	-104.9	0.37 (1)	5.92	K- E	-576 / 0	0.38 (1)
E- F	-916 / 0	-104.9	-104.9	0.37 (1)	5.92	K- F	0 / 626	0.14 (1)
F- G	-720 / 0	-104.9	-104.9	0.21 (1)	6.25	I- F	-401 / 0	0.27 (1)
M- B	-262 / 0	0.0	0.0	0.03 (1)	7.81	M- C	-1286 / 0	0.44 (1)
H- G	-1168 / 0	0.0	0.0	0.26 (1)	7.37	I- G	0 / 765	0.17 (1)
M- L	0 / 787	-28.0	-28.0	0.29 (2)	10.00			
L- K	0 / 786	-28.0	-28.0	0.29 (2)	10.00			
K- J	0 / 544	-28.0	-28.0	0.17 (2)	10.00			
J- I	0 / 544	-28.0	-28.0	0.17 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.11 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.60")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.60")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.37/1.00 (D-E:1) , BC=0.29/1.00 (K-L:2) , WB=0.44/1.00 (C-M:1) , SSI=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

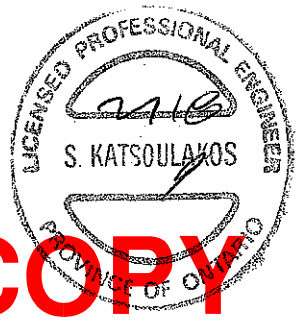
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (G) (INPUT = 0.90)
JSI METAL= 0.31 (C) (INPUT = 1.00)

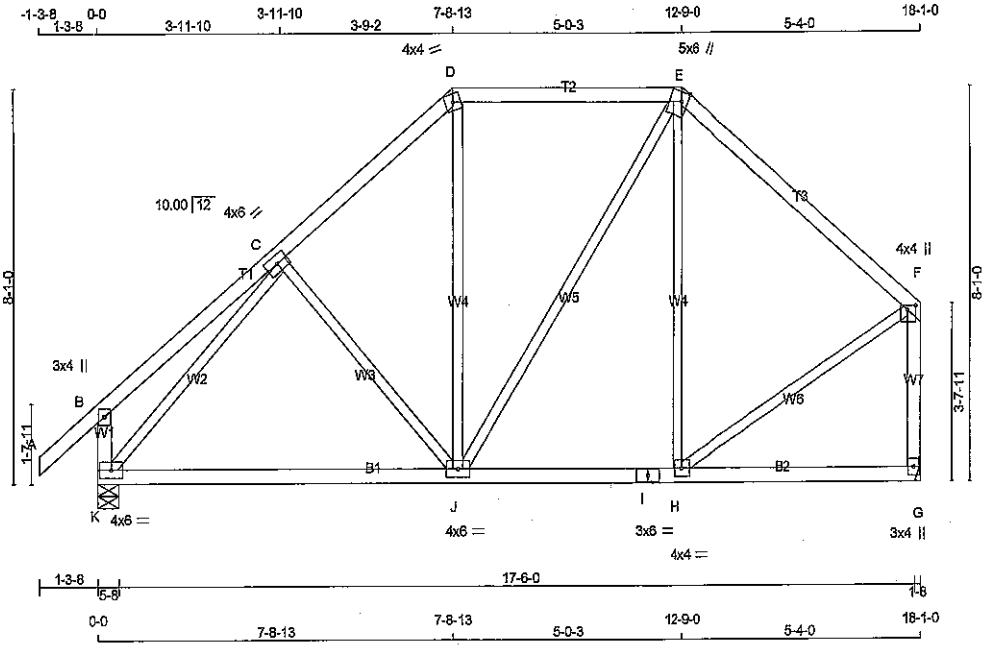


DWG NO. TAM7449-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T21	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:34:38 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-EOdtHrj4ALPq1D_vAAOJFk601O4JffkryHhj0yzpYNl



TOTAL WEIGHT = 2 X 87 = 173 lb [M][F]

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 - F	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	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	TMVW+p	MT20	4.0	4.0	1.00	2.25
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	1347	0	1347	0	0	5-8	5-8
G	1202	0	1202	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1056	677 / 0	190 / 0	0 / 0	0 / 0	189 / 0	0 / 0
G	956	587 / 0	190 / 0	0 / 0	0 / 0	181 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.15 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	0 / 30	-104.9	-104.9	0.25 (1)	10.00
C- D	-943 / 0	-104.9	-104.9	0.20 (1)	6.15
D- E	-702 / 0	-104.9	-104.9	0.34 (1)	6.25
E- F	-773 / 0	-104.9	-104.9	0.39 (1)	6.25
K- B	-299 / 0	0.0	0.0	0.03 (1)	7.81
G- F	-1136 / 0	0.0	0.0	0.25 (1)	7.45
K- J	0 / 815	-28.0	-28.0	0.44 (2)	10.00
J- I	0 / 589	-28.0	-28.0	0.42 (2)	10.00
I- H	0 / 589	-28.0	-28.0	0.42 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.18 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- J	-174 / 49	0.11 (1)
J- D	0 / 249	0.06 (2)
J- E	0 / 211	0.05 (1)
H- E	-225 / 76	0.28 (1)
K- C	-1257 / 0	0.74 (1)
H- F	0 / 693	0.16 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.60")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.60")
CALCULATED VERT. DEFL.(TL) = L/ 869 (0.25")

CSI: TC=0.39/1.00 (E-F:1) , BC=0.44/1.00 (J-K:2) , WB=0.74/1.00 (C-K:1) , SSI=0.21/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (C) (INPUT = 0.90)
JSI METAL= 0.31 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

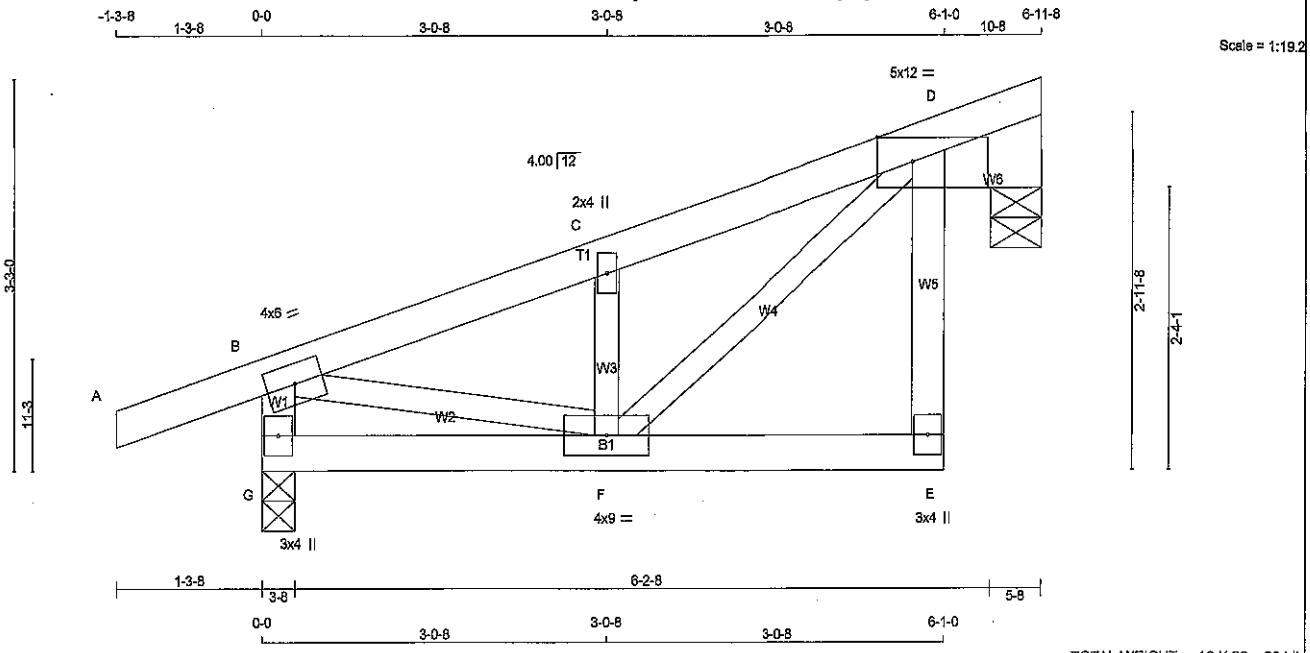
SITE COPY

DWG NO. TAM 7450-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286689	T22	10	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:34:39 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-iaBGUBkixeXhfNZ5juvYnyfCdoUGODW_BjRGYOzpYNk



TOTAL WEIGHT = 10 X 28 = 284 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0		
C	TMW+w	MT20	2.0	4.0		
D	TMVWW1-p	MT20	5.0	12.0	Edge	3.75
E	BMV+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	9.0		
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 GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	835	0	835	0	0	5-8	5-8
G	837	0	837	0	0	3-8	3-8

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

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	610	485 / 0	64 / 0	0 / 0	0 / 0	61 / 0	0 / 0
G	612	479 / 0	64 / 0	0 / 0	0 / 0	69 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.07 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)		LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO				FR-TO		
A- B	0 / 26	-104.9	-140.1	0.16 (1)	10.00		F- C	-793 / 0	0.13 (1)
B- C	-859 / 0	-140.1	-218.8	0.34 (1)	6.07		F- D	0 / 1050	0.26 (1)
C- D	-839 / 0	-216.8	-299.9	0.34 (1)	6.13		B- F	0 / 860	0.21 (1)
E- D	0 / 60	0.0	0.0	0.01 (2)	10.00				
G- B	-792 / 0	0.0	0.0	0.09 (1)	7.81				
G- F	0 / 0	-28.0	-28.0	0.07 (3)	10.00				
F- E	0 / 0	-28.0	-28.0	0.07 (3)	10.00				

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO LOADCASE(S): 1,2

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 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 (0.02")

CSI: TC=0.34/1.00 (B-C:1) , BC=0.07/1.00 (E-F:3) , WB=0.26/1.00 (D-F:1) , SSI=0.37/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

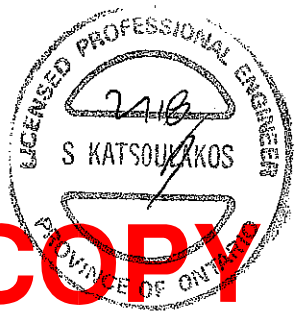
NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.64 (F) (INPUT = 0.90)
JSI METAL= 0.25 (B) (INPUT = 1.00)



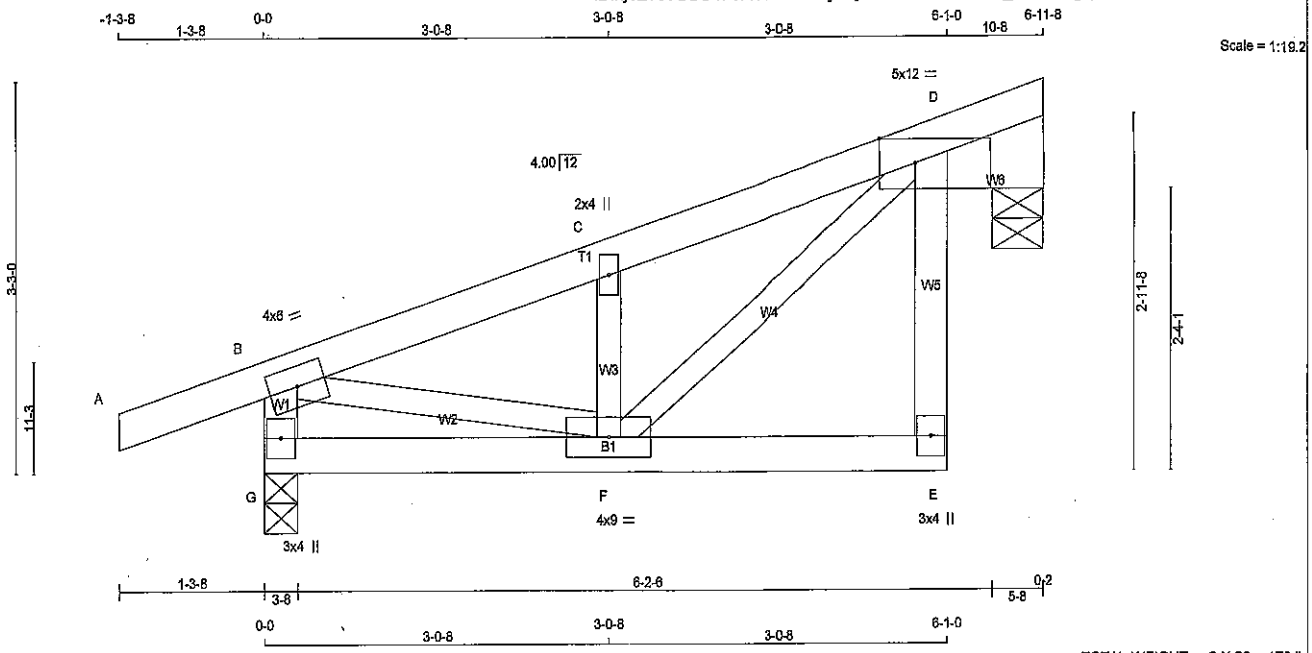
DWG NO. TAM7451-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T22	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:08 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-8PBWwzEYBFcK_ButLs75gbjaNE8hOqmSnR4kJuzpYKV



TOTAL WEIGHT = 6 X 28 = 170 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0		
C	TMW+w	MT20	2.0	4.0		
D	TMVWW1-p	MT20	5.0	12.0	Edge	3.75
E	BMV+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	9.0		
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

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	835	0	835	0	0	5-8	5-8
G	837	0	837	0	0	3-8	3-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	610	485 / 0	64 / 0	0 / 0	0 / 0	61 / 0	0 / 0
G	612	479 / 0	64 / 0	0 / 0	0 / 0	69 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.07 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-104.9	-140.1	0.16 (1)	10.00		F- C	-793 / 0	0.13 (1)
B- C	-859 / 0	-140.1	-218.8	0.34 (1)	6.07		F- D	0 / 1050	0.26 (1)
C- D	-839 / 0	-218.8	-299.9	0.34 (1)	6.13		B- F	0 / 860	0.21 (1)
E- D	0 / 60	0.0	0.0	0.01 (2)	10.00				
G- B	-792 / 0	0.0	0.0	0.09 (1)	7.81				
G- F	0 / 0	-26.0	-26.0	0.07 (3)	10.00				
F- E	0 / 0	-26.0	-26.0	0.07 (3)	10.00				

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO LOADCASE(S): 1,2

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 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 (0.02")

CSI: TC=0.34/1.00 (B-C:1) , BC=0.07/1.00 (F-G:3) , WB=0.26/1.00 (D-F:1) , SSI=0.37/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.64 (F) (INPUT = 0.90)
JSI METAL= 0.25 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

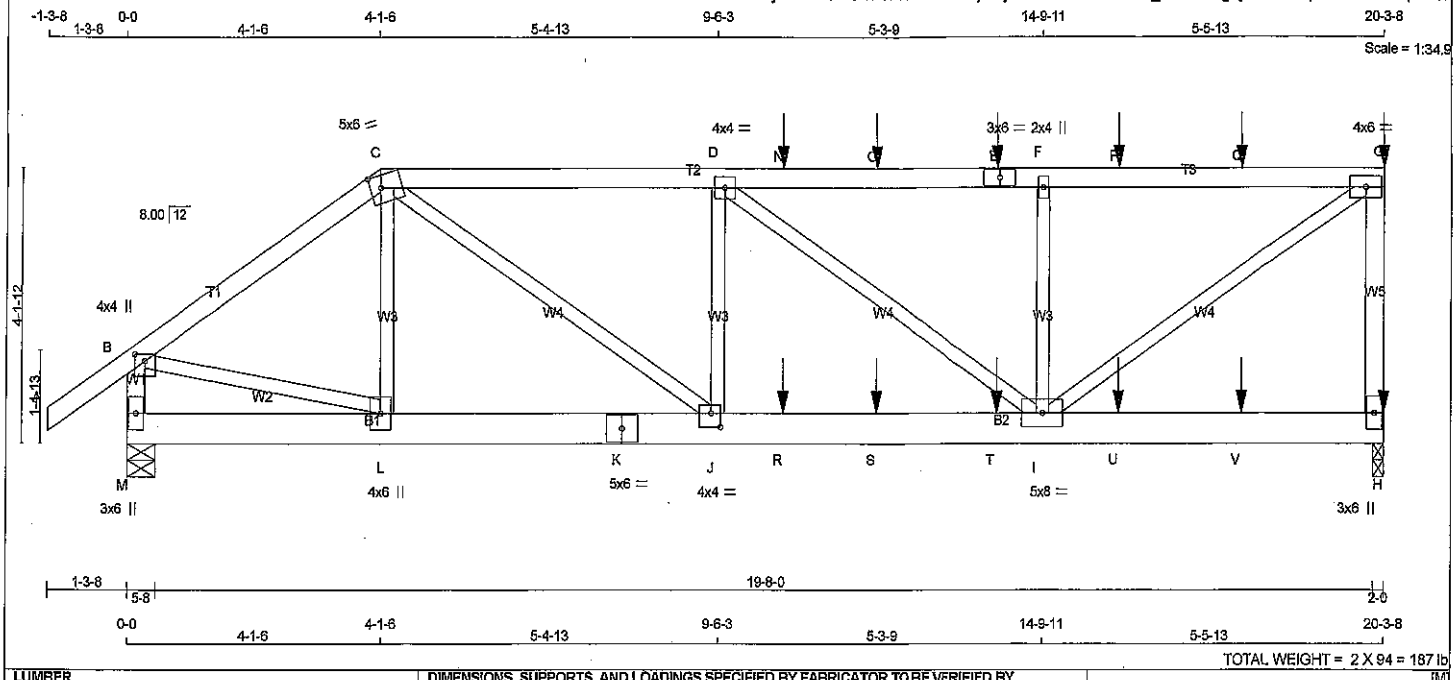
DWG NO. TAM7460-B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T23	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:06 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-8PBWwzEYBFcK_ButLs75gbjZzE6NOpZSnR4kJuzpYKV



TOTAL WEIGHT = 2 X 94 = 187 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- E	1	12	SIDE(0.0)
E- G	1	12	SIDE(61.0)
G- H	1	12	TOP
M- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
M- K	2	12	TOP
K- H	2	12	SIDE(0.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMVW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	6.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW-t	MT20	4.0	4.0	2.50	1.75
K	BS-t	MT20	5.0	6.0		
L	BMWW+t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2165	0	2165	0	0	2-0	2-0
M	1750	0	1750	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1739	1044 / 0	359 / 0	0 / 0	0 / 0	336 / 0	0 / 0
M	1382	869 / 0	259 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.29 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.08 (1)		10.00
B- C	-1784 / 0	-104.9	-104.9	0.19 (1)		6.25
C- D	-2561 / 0	-104.9	-104.9	0.32 (1)		5.29
D- N	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
N- O	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
O- E	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
E- F	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
F- P	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
P- Q	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
Q- G	-2242 / 0	-104.9	-104.9	0.43 (1)		5.37
H- G	-2013 / 0	0.0	0.0	0.26 (1)		7.77
M- B	-1703 / 0	0.0	0.0	0.10 (1)		7.81
M- L	0 / 0	-28.0	-28.0	0.03 (3)		10.00
L- K	0 / 1476	-28.0	-28.0	0.12 (1)		10.00
K- J	0 / 1476	-28.0	-28.0	0.12 (1)		10.00
J- R	0 / 2561	-28.0	-28.0	0.22 (1)		10.00
R- S	0 / 2561	-28.0	-28.0	0.22 (1)		10.00
S- T	0 / 2561	-28.0	-28.0	0.22 (1)		10.00
T- I	0 / 2561	-28.0	-28.0	0.22 (1)		10.00
I- U	0 / 0	-28.0	-28.0	0.09 (3)		10.00
U- V	0 / 0	-28.0	-28.0	0.09 (3)		10.00
V- H	0 / 0	-28.0	-28.0	0.09 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	-201 / 93	0.03 (1)
B- L	0 / 1522	0.19 (1)
C- J	0 / 1322	0.16 (1)
J- D	-555 / 36	0.07 (1)
D- I	-391 / 0	0.15 (1)
I- F	-1039 / 0	0.13 (1)
I- G	0 / 2721	0.34 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
E	14-0-12	-130	-130	---	FRONT	VERT	TOTAL
G	20-3-8	-170	-170	---	FRONT	VERT	TOTAL
H	20-3-8	-52	-90	---	FRONT	VERT	TOTAL
N	10-6-12	-130	-130	---	FRONT	VERT	TOTAL
O	12-0-12	-130	-130	---	FRONT	VERT	TOTAL
P	16-0-12	-130	-130	---	FRONT	VERT	TOTAL
Q	18-0-12	-130	-130	---	FRONT	VERT	TOTAL
R	10-6-12	-41	-71	---	FRONT	VERT	TOTAL
S	12-0-12	-41	-71	---	FRONT	VERT	TOTAL
T	14-0-12	-41	-71	---	FRONT	VERT	TOTAL
U	16-0-12	-41	-71	---	FRONT	VERT	TOTAL
V	18-0-12	-41	-71	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL.	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL.	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.43/1.00 (F-G:1) , BC=0.22/1.00 (I-J:1) , WB=0.34/1.00 (G-I:1) , SSI=0.23/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

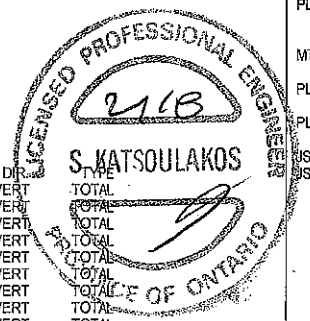
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

MSI GRIP= 0.90 (J) (INPUT = 0.90)
MSI METAL= 0.28 (G) (INPUT = 1.00)



DWG NO. TAM 2461 -18

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T23	1	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 129.6 lbs FACTORED DOWN AT 10-6-12, 129.6 lbs FACTORED DOWN AT 12-0-12, 129.6 lbs FACTORED DOWN AT 14-0-12, 129.6 lbs FACTORED DOWN AT 16-0-12, AND 129.6 lbs FACTORED DOWN AT 18-0-12, AND 170.0 lbs FACTORED DOWN AT 20-3-8 ON TOP CHORD, AND 71.5 lbs FACTORED DOWN AT 10-6-12, 71.5 lbs FACTORED DOWN AT 12-0-12, 71.5 lbs FACTORED DOWN AT 14-0-12, 71.5 lbs FACTORED DOWN AT 16-0-12, AND 71.5 lbs FACTORED DOWN AT 18-0-12, AND 90.4 lbs FACTORED DOWN AT 20-3-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
S. KATSOULARIS
PROVINCE OF ONTARIO

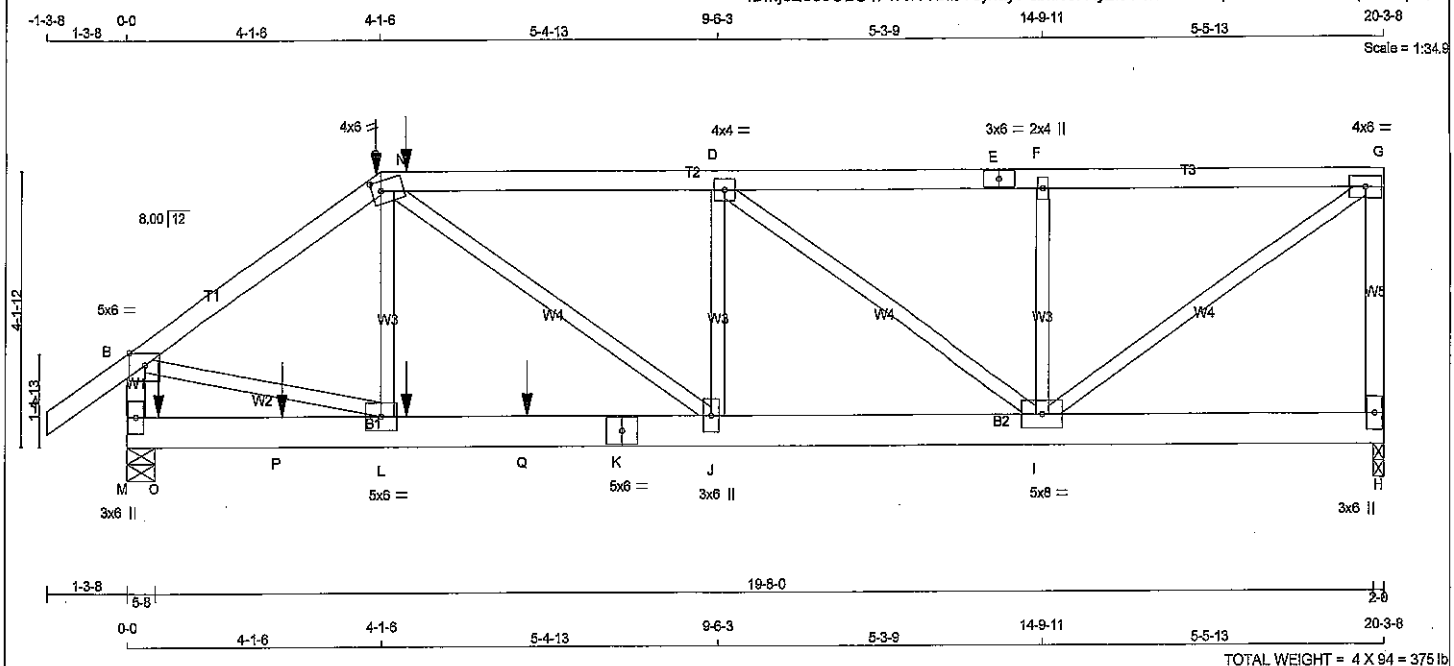
SITE COPY

DWG NO. TAM 7461-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T23Z	2	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:07 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-cblu8JFAyZkAcLT4vZeKDpGmseMt7DNc05pHsLzpYKU



TOTAL WEIGHT = 4 X 94 = 375 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS		
A- C 1	12	SIDE(61.0)
C- E 1	12	SIDE(61.0)
E- G 1	12	TOP
G- H 1	12	TOP
M- B 1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS		
M- K 2	12	SIDE(183.1)
K- H 2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	4.0	6.0	1.75	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	6.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWW+t	MT20	3.0	6.0		
K	BS-t	MT20	5.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1838	0	1838	0	0	2-0	2-0
M	2787	0	2787	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1463	901 / 0	287 / 0	0 / 0	0 / 0	275 / 0	0 / 0
M	2216	1366 / 0	434 / 0	0 / 0	0 / 0	416 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.79 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.08 (1)	10.00	
B- C	-3244 / 0	-104.9	-104.9	0.22 (1)	4.95	
C- N	-3391 / 0	-104.9	-104.9	0.29 (1)	4.79	
N- D	-3391 / 0	-104.9	-104.9	0.29 (1)	4.79	
D- E	-2197 / 0	-104.9	-104.9	0.25 (1)	5.70	
E- F	-2197 / 0	-104.9	-104.9	0.25 (1)	5.70	
F- G	-2197 / 0	-104.9	-104.9	0.25 (1)	5.71	
H- G	-1746 / 0	0.0	0.0	0.22 (1)	7.81	
M- B	-2802 / 0	0.0	0.0	0.18 (1)	6.84	
M- O	0 / 0	-28.0	-28.0	0.21 (1)	10.00	
O- P	0 / 0	-28.0	-28.0	0.21 (1)	10.00	
P- L	0 / 0	-28.0	-28.0	0.21 (1)	10.00	
L- Q	0 / 2706	-28.0	-28.0	0.59 (1)	10.00	
Q- K	0 / 2706	-28.0	-28.0	0.59 (1)	10.00	
K- J	0 / 2706	-28.0	-28.0	0.59 (1)	10.00	
J- I	0 / 3391	-28.0	-28.0	0.37 (1)	10.00	
I- H	0 / 0	-28.0	-28.0	0.06 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	0 / 540	0.07 (2)
B- L	0 / 2769	0.34 (1)
C- J	0 / 834	0.10 (1)
J- D	0 / 327	0.04 (2)
D- I	-1466 / 0	0.56 (1)
I- F	-617 / 0	0.08 (1)
I- G	0 / 2667	0.33 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	4-1-6	-24	-27	---	FRONT	VERT	DEAD
C	4-1-6	-293	-293	---	FRONT	VERT	SNOW
L	4-6-4	-41	-71	---	BACK	VERT	TOTAL
N	4-6-4	-161	-161	---	BACK	VERT	TOTAL
O	6-4	-48	-83	---	BACK	VERT	TOTAL
P	2-6-4	-41	-71	---	BACK	VERT	TOTAL
Q	6-5-8	-1177	-1177	---	BACK	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.29/1.00 (C-D:1) , BC=0.59/1.00 (J-L:1) , WB=0.56/1.00 (D-I:1) , SSI=0.26/1.00 (J-L:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

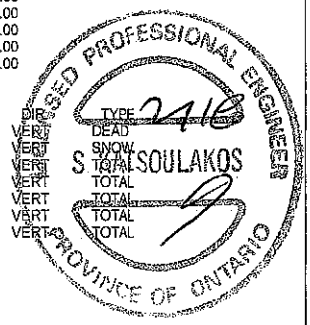
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (C) (INPUT = 0.90)
JSI METAL= 0.37 (K) (INPUT = 1.00)



SITE COPY

DWG NO. TAM 7462-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T23Z	2	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 316.3 lbs FACTORED DOWN AT 4-1-6, AND 160.9 lbs FACTORED DOWN AT 4-6-4 ON TOP CHORD, AND 83.2 lbs FACTORED DOWN AT 6-4, 71.5 lbs FACTORED DOWN AT 2-6-4, AND 71.5 lbs FACTORED DOWN AT 4-6-4, AND 1176.9 lbs FACTORED DOWN AT 6-6-6 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

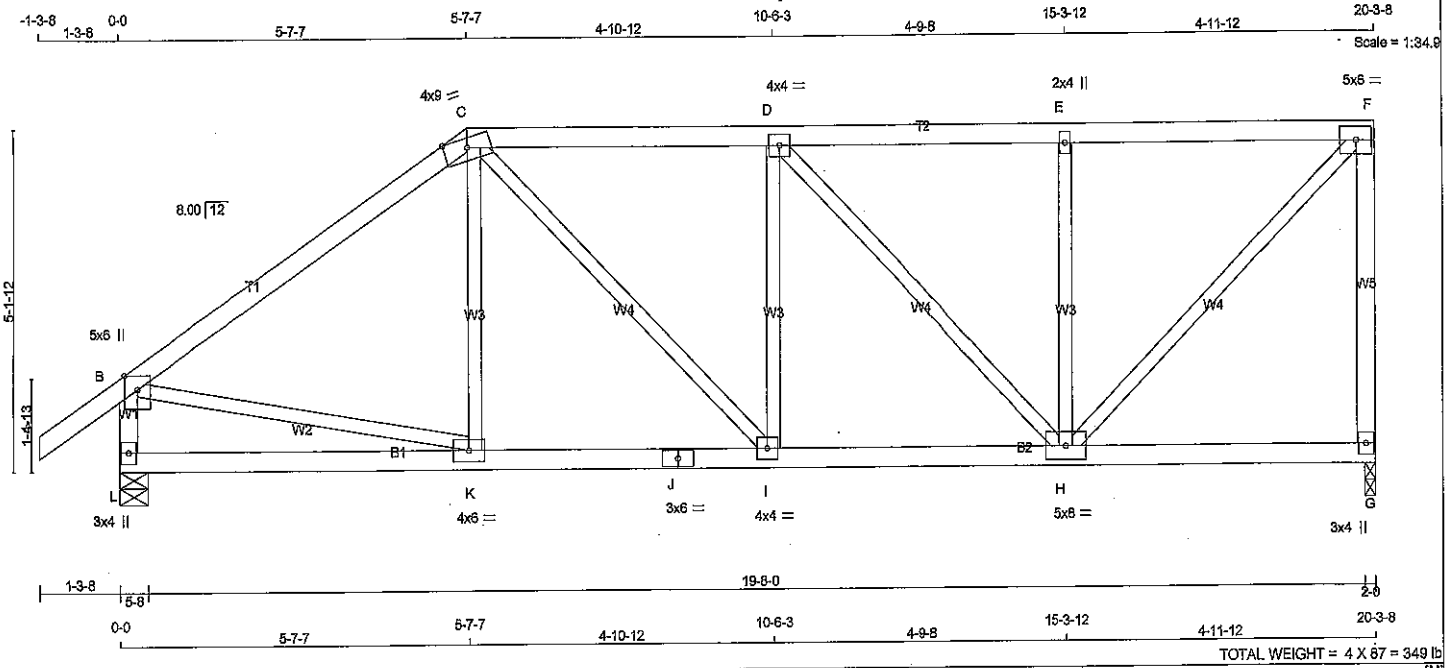
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 2462-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T24	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:07 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-cblu8JFAyZkAcLT4vZeKDpGgreQr7FHc05pHsLzpYKU



TOTAL WEIGHT = 4 X 87 = 349 lb [M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.57 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 MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K- C	-45 / 206	0.05 (3)	
B- C	-1386 / 0	-104.9	-104.9	0.68 (1)	4.57	B- K	0 / 1172	0.28 (1)	
C- D	-1463 / 0	-104.9	-104.9	0.38 (1)	4.96	C- I	0 / 439	0.10 (1)	
D- E	-1107 / 0	-104.9	-104.9	0.36 (1)	5.53	I- D	-191 / 107	0.07 (1)	
E- F	-1107 / 0	-104.9	-104.9	0.36 (1)	5.53	D- H	-508 / 0	0.43 (1)	
G- F	-1291 / 0	0.0	0.0	0.58 (1)	7.10	H- E	-562 / 0	0.22 (1)	
L- B	-1427 / 0	0.0	0.0	0.15 (1)	6.84	H- F	0 / 1545	0.35 (1)	
L- K	0 / 0	-28.0	-28.0	0.21 (3)	10.00				
K- J	0 / 1151	-28.0	-28.0	0.33 (2)	10.00				
J- I	0 / 1151	-28.0	-28.0	0.33 (2)	10.00				
I- H	0 / 1463	-28.0	-28.0	0.32 (2)	10.00				
H- G	0 / 0	-28.0	-28.0	0.17 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.68/1.00 (B-C:1) , BC=0.33/1.00 (I-K:2) , WB=0.43/1.00 (D-H:1) , SSI=0.24/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

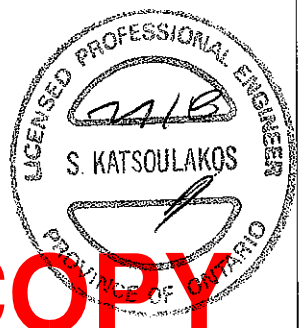
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (B) (INPUT = 0.90)
JSI METAL= 0.33 (J) (INPUT = 1.00)

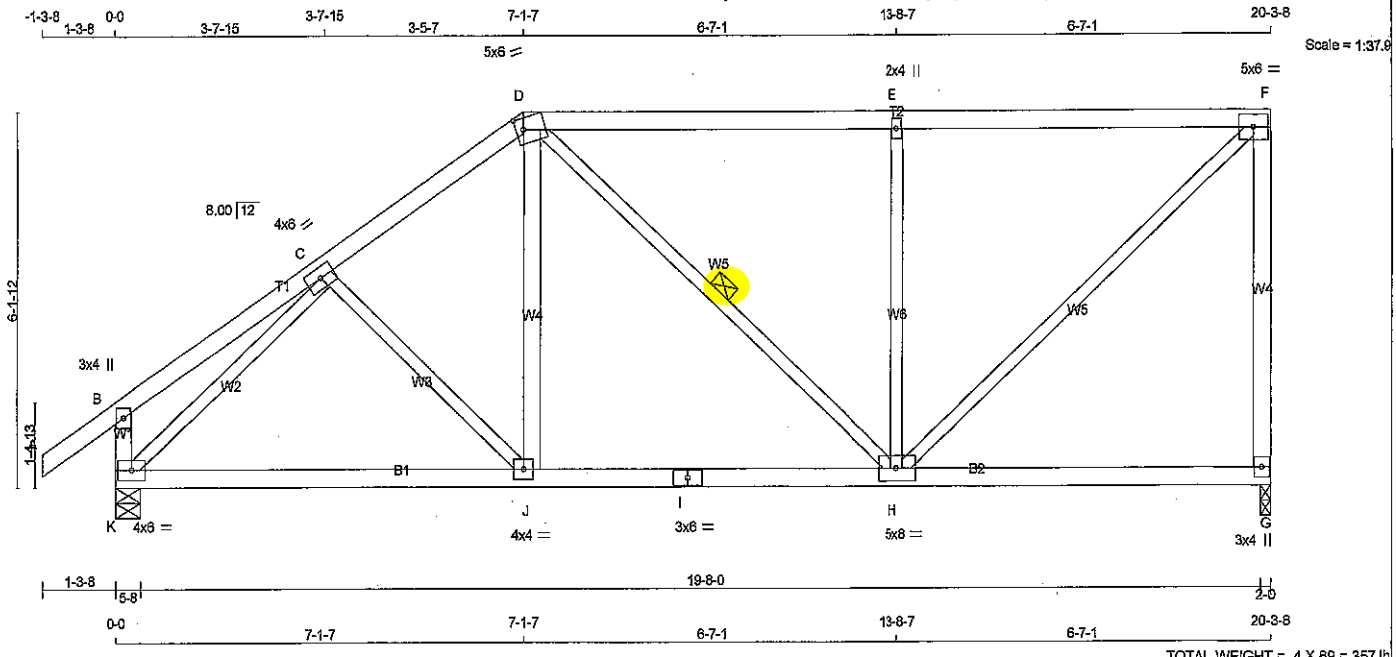


DWG NO. TAM7463-S8
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T25	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:07 2018 Page 1
ID:hjoZoc0OBU4F?A41VBhJY3ynays-cblu8JFAyZkAcLT4vZeKDpGcqeP47CFc05pHsLzpYKU



TOTAL WEIGHT = 4 X 89 = 357 lb

[M]

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
K - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTWW-m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
K	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
K	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)		10.00
B- C	0 / 23	-104.9	-104.9	0.20 (1)		10.00
C- D	-1330 / 0	-104.9	-104.9	0.23 (1)		5.35
D- E	-1137 / 0	-104.9	-104.9	0.86 (1)		4.32
E- F	-1137 / 0	-104.9	-104.9	0.86 (1)		4.32
G- F	-1272 / 0	0.0	0.0	0.94 (1)		7.14
K- B	-289 / 0	0.0	0.0	0.03 (1)		7.81
K- J	0 / 1153	-28.0	-28.0	0.44 (2)		10.00
J- I	0 / 1092	-28.0	-28.0	0.45 (2)		10.00
I- H	0 / 1092	-28.0	-28.0	0.45 (2)		10.00
H- G	0 / 0	-28.0	-28.0	0.27 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- J	-93 / 85	0.04 (1)
J- D	0 / 349	0.06 (2)
D- H	-32 / 60	0.02 (3)
H- E	-857 / 0	0.51 (1)
H- F	0 / 1521	0.34 (1)
K- C	-1608 / 0	0.63 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.94/1.00 (F-G:1) , BC=0.45/1.00 (H-J:2) , WB=0.63/1.00 (C-K:1) , SSI=0.34/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.69 (C) (INPUT = 0.90)
JSI METAL= 0.39 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

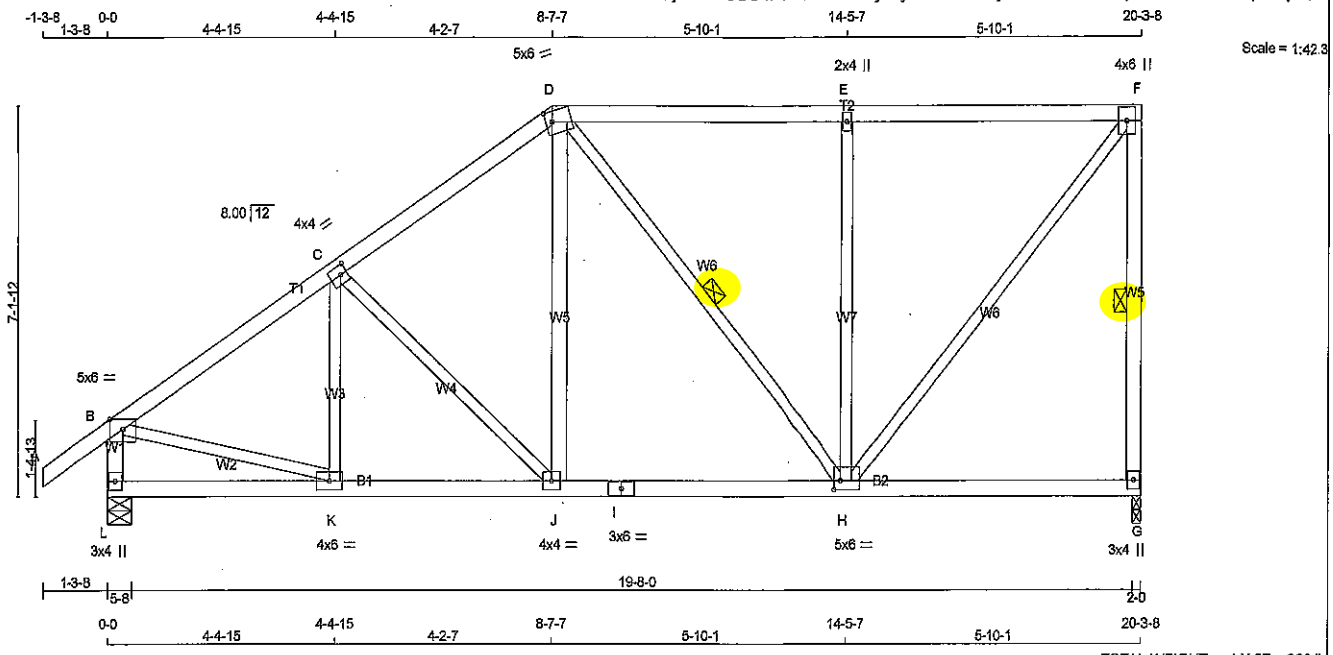
DWG NO. TAM7464-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T26	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:08 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-4oJGLfGojss1DV2GTH9ZI0psD2mvseolEIZqOnzpYKT



TOTAL WEIGHT = 4 X 97 = 386 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	6.0	2.00	1.50
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.00 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K- C	-172 / 107		0.05 (1)
B- C	-1443 / 0	-104.9	-104.9	0.37 (1)	5.00	C- J	-334 / 0		0.20 (1)
C- D	-1209 / 0	-104.9	-104.9	0.35 (1)	5.37	J- D	0 / 376		0.06 (2)
D- E	-895 / 0	-104.9	-104.9	0.64 (1)	5.40	D- H	-142 / 0		0.08 (1)
E- F	-895 / 0	-104.9	-104.9	0.64 (1)	5.40	H- E	-759 / 0		0.67 (1)
G- F	-1263 / 0	0.0	0.0	0.30 (1)	5.69	H- F	0 / 1380		0.31 (1)
L- B	-1440 / 0	0.0	0.0	0.15 (1)	6.81	B- K	0 / 1261		0.28 (1)
L- K	0 / 0	-28.0	-28.0	0.12 (3)	10.00				
K- J	0 / 1225	-28.0	-28.0	0.27 (1)	10.00				
J- I	0 / 987	-28.0	-28.0	0.34 (2)	10.00				
I- H	0 / 987	-28.0	-28.0	0.34 (2)	10.00				
H- G	0 / 0	-28.0	-28.0	0.24 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/380 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.64/1.00 (E-F:1) , BC=0.34/1.00 (H-J:2) , WB=0.67/1.00 (E-H:1) , SSI=0.30/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (H) (INPUT = 0.90)
JSI METAL= 0.31 (K) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

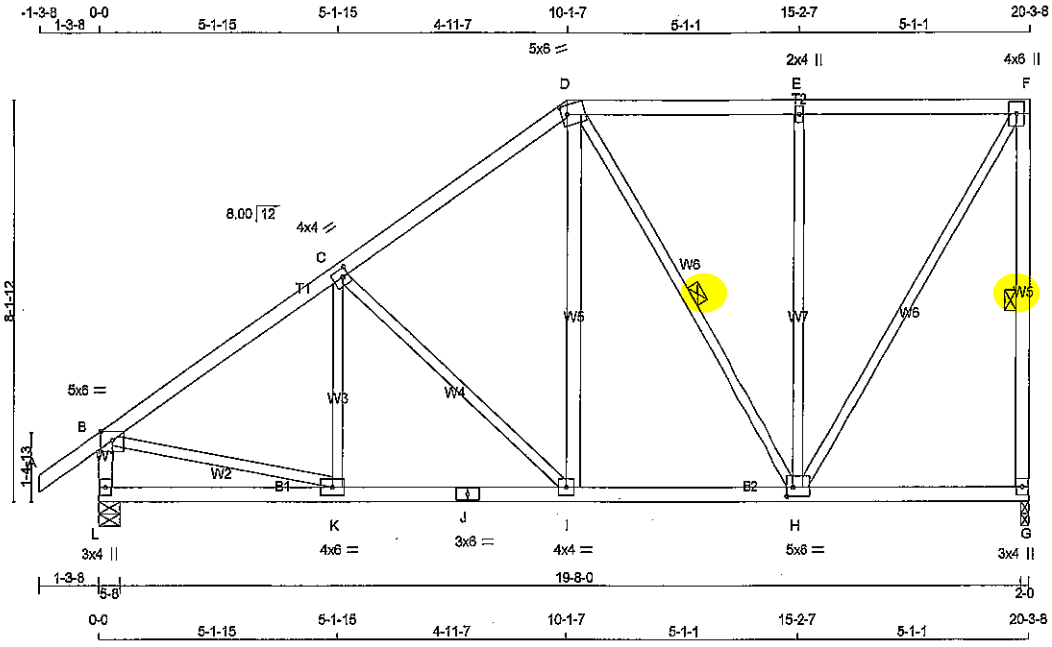
DWG NO. TAM 74655-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T27	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:08 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-4oJGLfGojss1DV2GTH9ZI0pty2nUsb4lElZqOnzpYKT



TOTAL WEIGHT = 4 X 102 = 409 lb

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	6.0	2.25	1.50
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.76 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B- C	-1448 / 0	-104.9	-104.9	0.53 (1)	4.76
C- D	-1086 / 0	-104.9	-104.9	0.49 (1)	5.36
D- E	-704 / 0	-104.9	-104.9	0.47 (1)	6.25
E- F	-704 / 0	-104.9	-104.9	0.47 (1)	6.25
G- F	-1290 / 0	0.0	0.0	0.39 (1)	5.68
L- B	-1433 / 0	0.0	0.0	0.15 (1)	6.82
L- K	0 / 0	-28.0	-28.0	0.18 (3)	10.00
K- J	0 / 1234	-28.0	-28.0	0.31 (2)	10.00
J- I	0 / 1234	-28.0	-28.0	0.31 (2)	10.00
I- H	0 / 860	-28.0	-28.0	0.27 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.18 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX (LC)
K- C	-99 / 177	0.04 (3)
C- I	-484 / 0	0.41 (1)
I- D	0 / 455	0.07 (1)
D- H	-323 / 0	0.19 (1)
H- E	-660 / 0	0.85 (1)
H- F	0 / 1295	0.29 (1)
B- K	0 / 1260	0.26 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.53/1.00 (B-C:1) , BC=0.31/1.00 (I-K:2) , WB=0.85/1.00 (E-H:1) , SSI=0.26/1.00 (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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.38 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

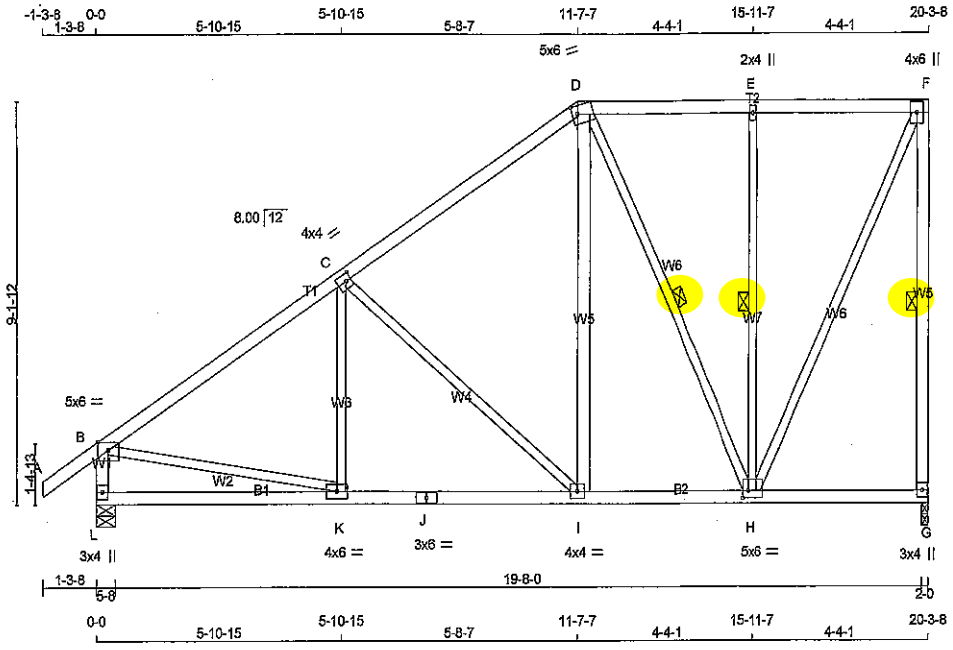
DWG NO. TAM 7466-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T28	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:08 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-4oJGLfGojss1DV2GTH9ZI0pul2mRsdgIEIZqOnzpYKT



TOTAL WEIGHT = 4 X 108 = 433 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	6.0	2.00	1.50
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1349	0	1349	0	0	2-0	2-0
L	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14	(1)	10.00	K- C	-37 / 239	0.05 (3)
B- C	-1437 / 0	-104.9	-104.9	0.51	(1)	4.83	C- I	-624 / 0	0.75 (1)
C- D	-951 / 0	-104.9	-104.9	0.47	(1)	5.70	I- D	0 / 543	0.09 (1)
D- E	-550 / 0	-104.9	-104.9	0.25	(1)	6.25	D- H	-488 / 0	0.33 (1)
E- F	-550 / 0	-104.9	-104.9	0.25	(1)	6.25	H- E	-560 / 0	0.31 (1)
G- F	-1297 / 0	0.0	0.0	0.51	(1)	5.67	H- F	0 / 1250	0.26 (1)
L- B	-1426 / 0	0.0	0.0	0.15	(1)	6.84	B- K	0 / 1250	0.26 (1)
L- K	0 / 0	-28.0	-28.0	0.25	(3)	10.00			
K- J	0 / 1230	-28.0	-28.0	0.37	(2)	10.00			
J- I	0 / 1230	-28.0	-28.0	0.37	(2)	10.00			
I- H	0 / 765	-28.0	-28.0	0.21	(2)	10.00			
H- G	0 / 0	-28.0	-28.0	0.12	(3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.51/1.00 (B-C:1) , BC=0.37/1.00 (I-K:2) , WB=0.75/1.00 (C-I:1) , SSI=0.25/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (B) (INPUT = 0.90)
JSI METAL= 0.37 (J) (INPUT = 1.00)

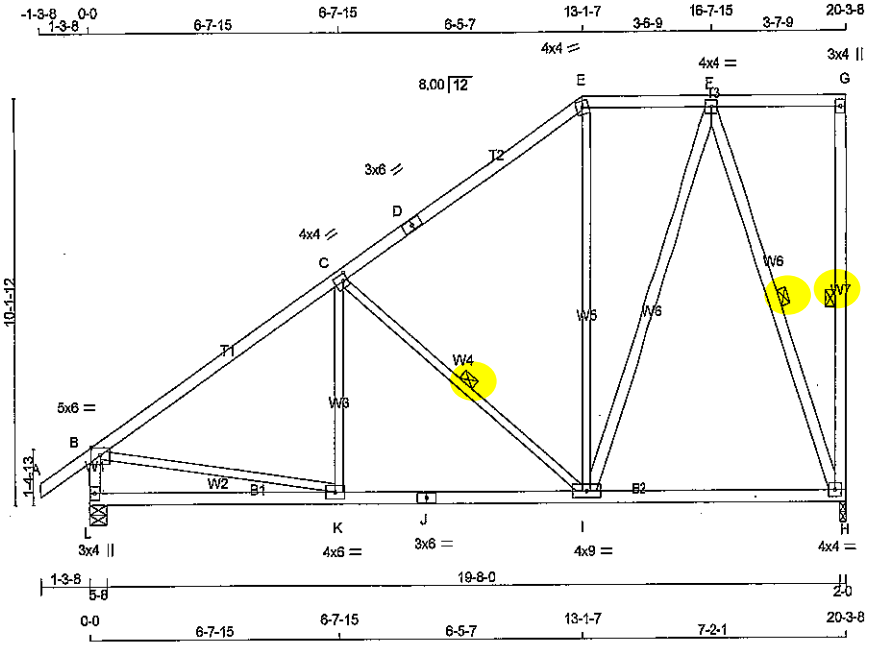
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 2467-28
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T29	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:08 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-4oJGLfGojss1DV2GTH9ZI0prs2kHseUIEIZqOnzpYKT



TOTAL WEIGHT = 4 X 110 = 441 lb

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	9.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1349	0	1349	0	0	2-0	2-0
L	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.57 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.

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K- C	0 / 267	0.06 (3)	
B- C	-1411 / 0	-104.9	-104.9	0.66 (1)	4.57	C- I	-745 / 0	0.37 (1)	
C- D	-821 / 0	-104.9	-104.9	0.81 (1)	5.71	I- E	0 / 164	0.04 (3)	
D- E	-821 / 0	-104.9	-104.9	0.61 (1)	5.71	B- K	0 / 1229	0.28 (1)	
E- F	-643 / 0	-104.9	-104.9	0.18 (1)	6.25	I- F	0 / 697	0.11 (1)	
F- G	0 / 0	-104.9	-104.9	0.22 (1)	10.00	F- H	-1197 / 0	0.69 (1)	
H- G	-145 / 0	0.0	0.0	0.07 (1)	6.25				
L- B	-1415 / 0	0.0	0.0	0.15 (1)	6.85				
L- K	0 / 0	-28.0	-28.0	0.28 (3)	10.00				
K- J	0 / 1213	-28.0	-28.0	0.45 (2)	10.00				
J- I	0 / 1213	-28.0	-28.0	0.45 (2)	10.00				
I- H	0 / 414	-28.0	-28.0	0.36 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.16")

CSI: TC=0.66/1.00 (B-C:1) , BC=0.45/1.00 (I-K:2) , WB=0.69/1.00 (F-H:1) , SSI=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.63 (B) (INPUT = 0.90)
JSI METAL= 0.35 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

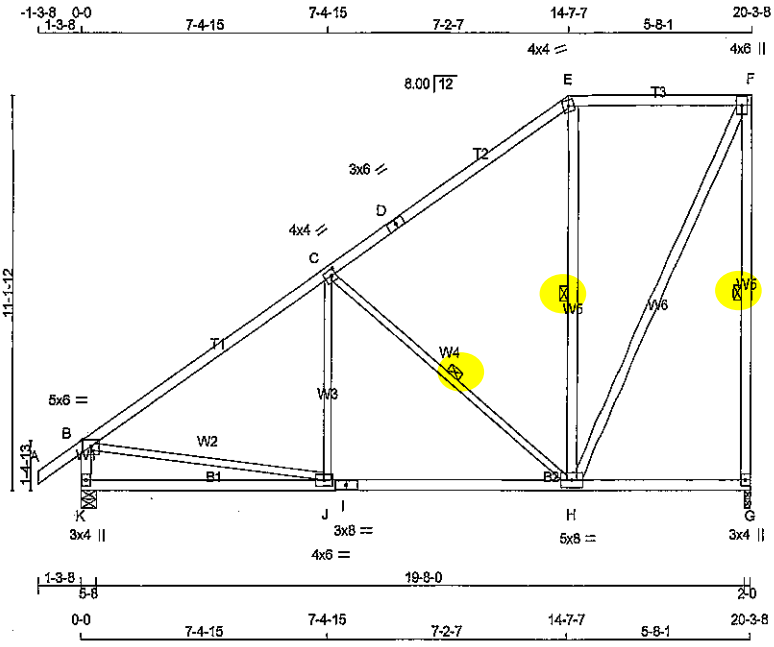
SITE COPY

DWG NO. TAM7468-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T30	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:09 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-Y_teZ?GRUA_urfcS1_goIELzoS3cb7mvTOIOwDzpYKS



TOTAL WEIGHT = 4 X 108 = 432 lb

[M][F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	8.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1349	0	1349	0	0	2-0	2-0
K	1493	0	1493	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0
K	1172	746 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B- C	-1383 / 0	-104.9	-104.9	0.84 (1)	4.13
C- D	-666 / 0	-104.9	-104.9	0.76 (1)	5.66
D- E	-666 / 0	-104.9	-104.9	0.76 (1)	5.66
E- F	-506 / 0	-104.9	-104.9	0.44 (1)	6.25
G- F	-1290 / 0	0.0	0.0	0.83 (1)	5.66
K- B	-1409 / 0	0.0	0.0	0.15 (1)	6.87
K- J	0 / 0	-28.0	-28.0	0.38 (3)	10.00
J- I	0 / 1194	-28.0	-28.0	0.51 (2)	10.00
I- H	0 / 1194	-28.0	-28.0	0.51 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.25 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- C	0 / 339	0.08 (3)
C- H	-885 / 0	0.56 (1)
H- E	-240 / 110	0.15 (1)
H- F	0 / 1115	0.18 (1)
B- J	0 / 1207	0.27 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.84/1.00 (B-C:1) , BC=0.51/1.00 (H-J:2) , WB=0.56/1.00 (C-H:1) , SSI=0.31/1.00 (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 = 0.50

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

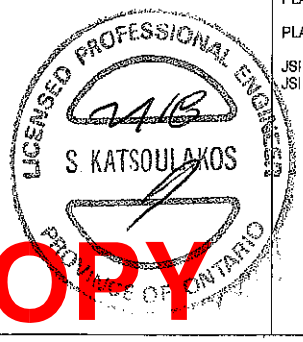
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (B) (INPUT = 0.90)
JSI METAL= 0.61 (I) (INPUT = 1.00)



SITE COPY

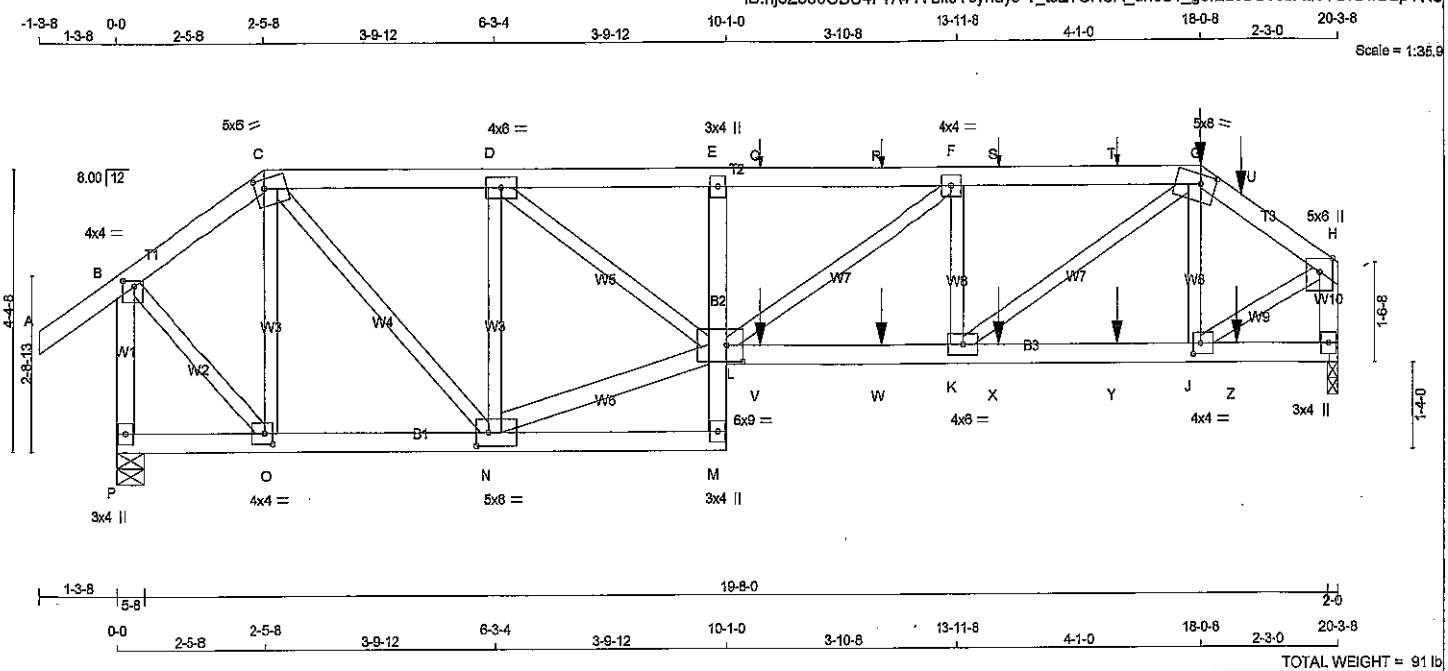
DWG NO. TAM7469-B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T31SA	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:09 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-Y_teZ?GRUA_urfcS1_goIEL5BS38bAuvTOIOwDzpYKS



TOTAL WEIGHT = 91 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - E	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
N - L	2x4	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	2.25
C	TTWW-m	MT20	5.0	6.0	1.75	1.75
D	TMWW-t	MT20	4.0	6.0		
E	TMV+p	MT20	3.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TTWW-m	MT20	5.0	6.0	1.75	3.00
H	TMVW+p	MT20	5.0	6.0	Edge	
I	BMV1+p	MT20	3.0	4.0		
J	BMWW-t	MT20	4.0	4.0	2.00	1.50
K	BMWW-t	MT20	4.0	6.0		
L	BVMWWW-I	MT20	6.0	9.0	3.00	3.25
M	BMV+p	MT20	3.0	4.0		
N	BMWWW-t	MT20	5.0	8.0	2.50	2.50
O	BMWW-t	MT20	4.0	4.0	2.00	1.50
P	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 38.3 lbs FACTORED DOWN AT 18-0-8, 1.0 lbs FACTORED DOWN AT 10-7-12, 1.0 lbs FACTORED DOWN AT 12-7-12, 1.0 lbs FACTORED DOWN AT 14-7-12, AND 1.0 lbs FACTORED DOWN AT 16-7-12, AND 13.0 lbs FACTORED DOWN AT 18-7-12 ON TOP CHORD, AND 11.9 lbs FACTORED DOWN AT 10-7-12, 4.7 lbs FACTORED DOWN AT 12-7-12, 4.7 lbs FACTORED DOWN AT 14-7-12, AND 4.7 lbs FACTORED DOWN AT 16-7-12, AND 4.7 lbs FACTORED DOWN AT 18-7-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	1504	0	1504	0	0	5-8	5-8
I	1407	0	1407	0	0	2-0	2-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1183	751 / 0	217 / 0	0 / 0	0 / 0	214 / 0	0 / 0
I	1121	687 / 0	222 / 0	0 / 0	0 / 0	212 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.92 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX. CSI	MAX. UNBRAC LENGTH
A-B	0 / 40	-104.9	-104.9	0.15 (1)	10.00	
B-C	-900 / 0	-104.9	-104.9	0.13 (1)	6.25	
C-D	-1479 / 0	-104.9	-104.9	0.26 (1)	5.06	
D-E	-2532 / 0	-104.9	-104.9	0.33 (1)	3.99	
E-Q	-2558 / 0	-104.9	-104.9	0.37 (1)	3.92	
Q-R	-2558 / 0	-104.9	-104.9	0.37 (1)	3.92	
R-F	-2558 / 0	-104.9	-104.9	0.37 (1)	3.92	
F-S	-2254 / 0	-104.9	-104.9	0.35 (1)	4.17	
S-T	-2254 / 0	-104.9	-104.9	0.35 (1)	4.17	
T-G	-2254 / 0	-104.9	-104.9	0.35 (1)	4.17	
G-U	-1280 / 0	-104.9	-104.9	0.13 (1)	5.54	
U-H	-1280 / 0	-104.9	-104.9	0.13 (1)	5.54	
P-B	-1479 / 0	0.0	0.0	0.23 (1)	6.70	
I-H	-1388 / 0	0.0	0.0	0.16 (1)	6.87	
P-O	0 / 0	-28.0	-28.0	0.07 (2)	10.00	
O-N	0 / 731	-28.0	-28.0	0.19 (2)	10.00	
N-M	0 / 54	-28.0	-28.0	0.11 (3)	10.00	
M-L	0 / 74	0.0	0.0	0.11 (1)	10.00	
L-E	-364 / 0	0.0	0.0	0.11 (1)	7.81	
L-V	0 / 2255	-28.0	-28.0	0.47 (1)	10.00	
V-W	0 / 2255	-28.0	-28.0	0.47 (1)	10.00	
W-K	0 / 2255	-28.0	-28.0	0.47 (1)	10.00	
K-X	0 / 1047	-28.0	-28.0	0.24 (1)	10.00	
X-Y	0 / 1047	-28.0	-28.0	0.24 (1)	10.00	
Y-J	0 / 1047	-28.0	-28.0	0.24 (1)	10.00	
J-Z	0 / 0	-28.0	-28.0	0.08 (2)	10.00	
Z-I	0 / 0	-28.0	-28.0	0.08 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O-C	-507 / 0	0.18 (1)
C-N	0 / 1105	0.27 (1)
N-D	-1217 / 0	0.36 (1)
J-G	-440 / 0	0.08 (1)
B-O	0 / 1026	0.25 (1)
J-H	0 / 1197	0.30 (1)
N-L	0 / 1536	0.27 (1)
D-L	0 / 1289	0.32 (1)
L-F	0 / 367	0.09 (1)
K-F	-587 / 0	0.13 (1)
K-G	0 / 1454	0.36 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	18-0-8	-4	-4	---	FRONT	VERT	DEAD
G	18-0-8	-35	-35	---	FRONT	VERT	SNOW
Q	10-7-12	1	1	---	BACK	VERT	TOTAL
R	12-7-12	1	1	---	BACK	VERT	TOTAL
S	14-7-12	1	1	---	BACK	VERT	TOTAL
T	16-7-12	1	1	---	BACK	VERT	TOTAL
U	18-7-12	-13	-13	---	BACK	VERT	TOTAL
V	10-7-12	-7	-12	---	BACK	VERT	TOTAL
W	12-7-12	-3	-5	---	BACK	VERT	TOTAL
X	14-7-12	-3	-5	---	BACK	VERT	TOTAL

[M]

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	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.37/1.00 (E-F:1) , BC=0.47/1.00 (K-L:1) , WB=0.36/1.00 (D-N:1) , SSI=0.22/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (J) (INPUT = 0.90)
JSI METAL= 0.39 (J) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T31SA	1	1	TRUSS DESC.	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Y	16-7-12	-3	-5	—	BACK	VERT	TOTAL
Z	16-7-12	-3	-5	—	BACK	VERT	TOTAL

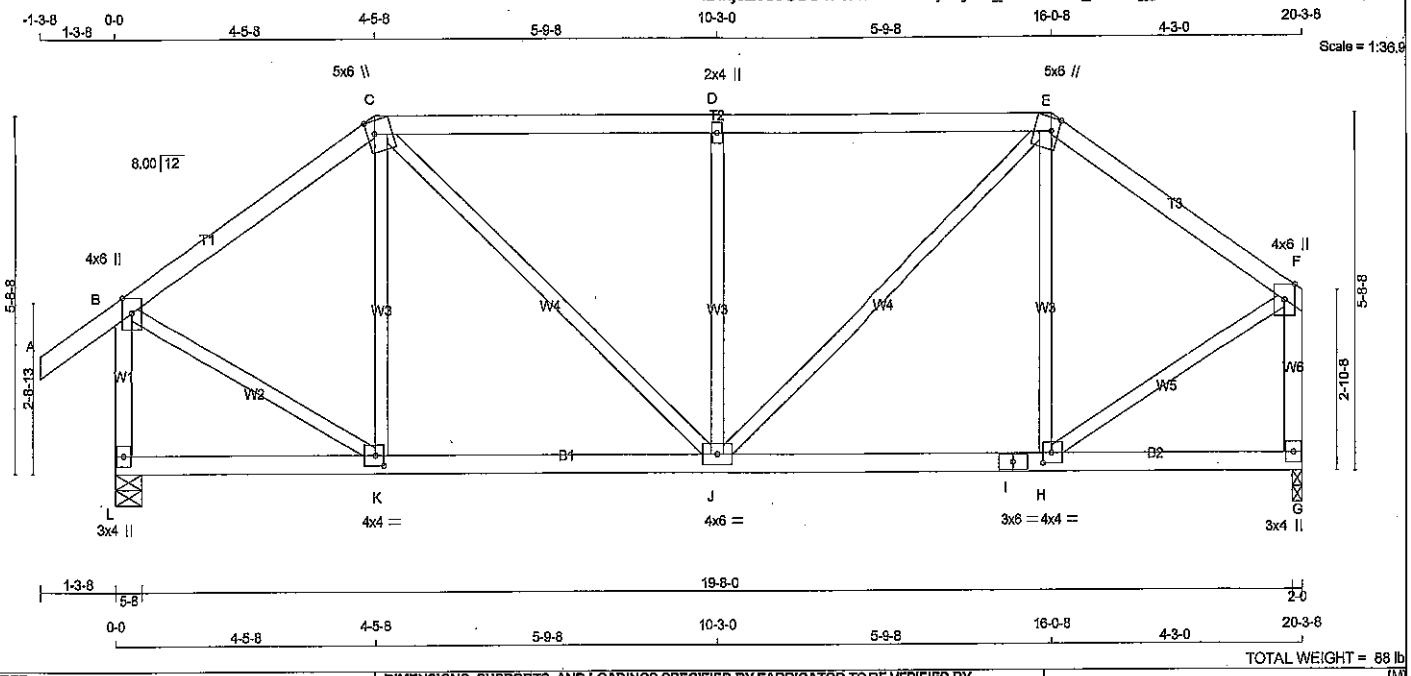
DWG NO. TAM 2470-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T32A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:09 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-Y_teZ?GRUA_urfcS1_golEL0dS6HbAmvTOIOwDzpYKS



TOTAL WEIGHT = 88 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.50	1.50
D	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.50	1.50
F	TMVW+p	MT20	4.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	4.0	2.00	1.75
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMWW-t	MT20	4.0	4.0	2.00	1.75
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1493	0	1493	0	0	5-8	5-8
G	1349	0	1349	0	0	2-0	2-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0
G	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.58 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. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
B- C	-1071 / 0	-104.9	-104.9	0.39 (1)	5.55	
C- D	-1353 / 0	-104.9	-104.9	0.66 (1)	4.58	
D- E	-1353 / 0	-104.9	-104.9	0.66 (1)	4.58	
E- F	-1036 / 0	-104.9	-104.9	0.35 (1)	5.68	
L- B	-1445 / 0	0.0	0.0	0.21 (1)	6.80	
G- F	-1304 / 0	0.0	0.0	0.20 (1)	7.07	
L- K	0 / 0	-28.0	-28.0	0.17 (2)	10.00	
K- J	0 / 884	-28.0	-28.0	0.27 (2)	10.00	
J- I	0 / 854	-28.0	-28.0	0.27 (2)	10.00	
I- H	0 / 854	-28.0	-28.0	0.27 (2)	10.00	
H- G	0 / 0	-28.0	-28.0	0.17 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- C	-309 / 70	0.15 (1)
J- D	-747 / 0	0.37 (1)
J- E	0 / 683	0.15 (1)
H- E	-346 / 49	0.17 (1)
B- K	0 / 1007	0.23 (1)
H- F	0 / 998	0.22 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.66/1.00 (D-E:1) , BC=0.27/1.00 (J-K:2) , WB=0.37/1.00 (D-J:1) , SSI=0.29/1.00 (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 = 0.50

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

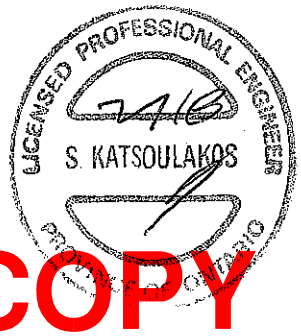
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (K) (INPUT = 0.90)
JSI METAL= 0.33 (K) (INPUT = 1.00)



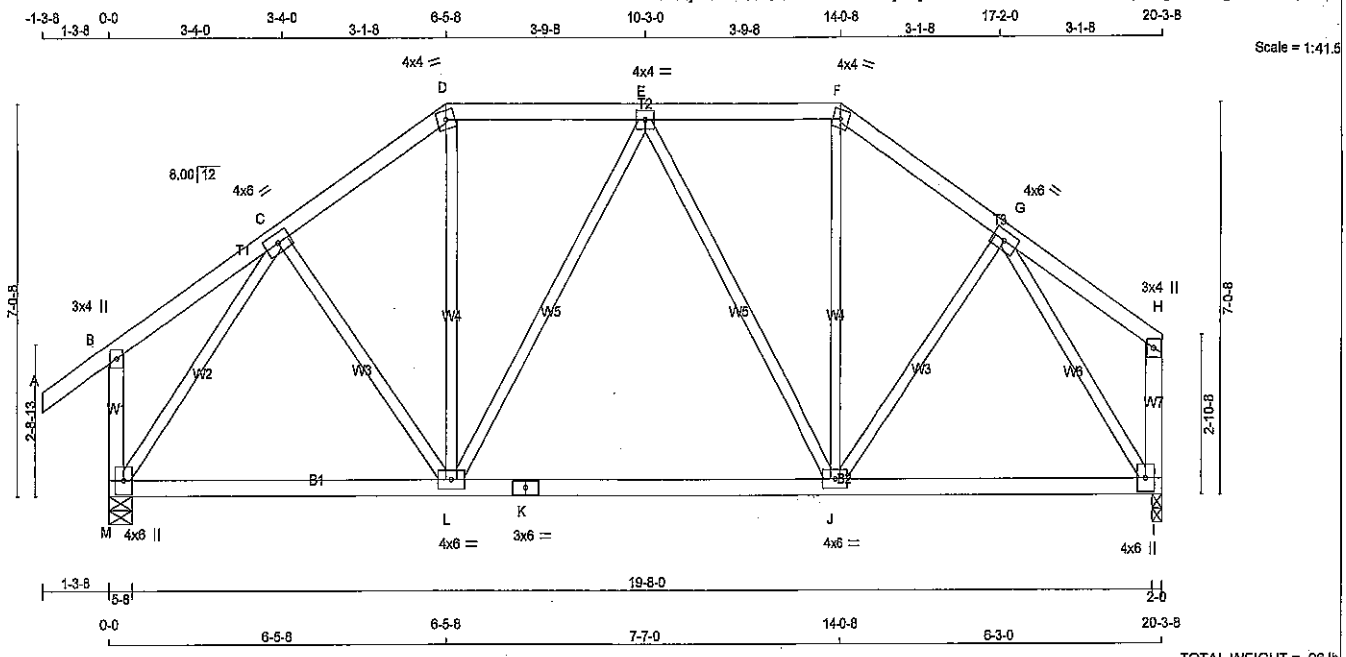
DWG NO. TAM 7471-S8
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T33A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:10 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-0AR1mLH3FU6lToBfaiB1qRuIgrQ2KXg2i22xSfzpYKR



TOTAL WEIGHT = 96 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
I - H	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	TMWW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMWW-t	MT20	4.0	6.0		
H	TMV+p	MT20	3.0	4.0		
I	BMVW1+p	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMVW1+p	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1493	0	1493	0	0	5-8	5-8
I	1349	0	1349	0	0	2-0	2-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0
I	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.87 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) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO						FR-TO		
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	C- L	0 / 188	0.04 (2)
B- C	0 / 20	-104.9	-104.9	0.17 (1)	10.00	L- D	0 / 316	0.07 (1)
C- D	-1107 / 0	-104.9	-104.9	0.14 (1)	5.87	L- E	-259 / 0	0.31 (1)
D- E	-906 / 0	-104.9	-104.9	0.19 (1)	6.25	E- J	-292 / 0	0.35 (1)
E- F	-890 / 0	-104.9	-104.9	0.19 (1)	6.25	J- F	0 / 305	0.07 (1)
F- G	-1086 / 0	-104.9	-104.9	0.13 (1)	5.93	J- G	0 / 214	0.05 (2)
G- H	0 / 20	-104.9	-104.9	0.15 (1)	10.00	M- C	-1402 / 0	0.71 (1)
M- B	-278 / 0	0.0	0.0	0.04 (1)	7.81	G- I	-1388 / 0	0.67 (1)
I- H	-123 / 0	0.0	0.0	0.02 (1)	7.81			
M- L	0 / 811	-28.0	-28.0	0.40 (2)	10.00			
L- K	0 / 1031	-28.0	-28.0	0.43 (2)	10.00			
K- J	0 / 1031	-28.0	-28.0	0.43 (2)	10.00			
J- I	0 / 768	-28.0	-28.0	0.36 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.19/1.00 (D-E:1) , BC=0.43/1.00 (J-L:2) , WB=0.71/1.00 (C-M:1) , SSI=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 = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.79 (C) (INPUT = 0.90)
SI METAL= 0.33 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAROS
PROVINCE OF ONTARIO

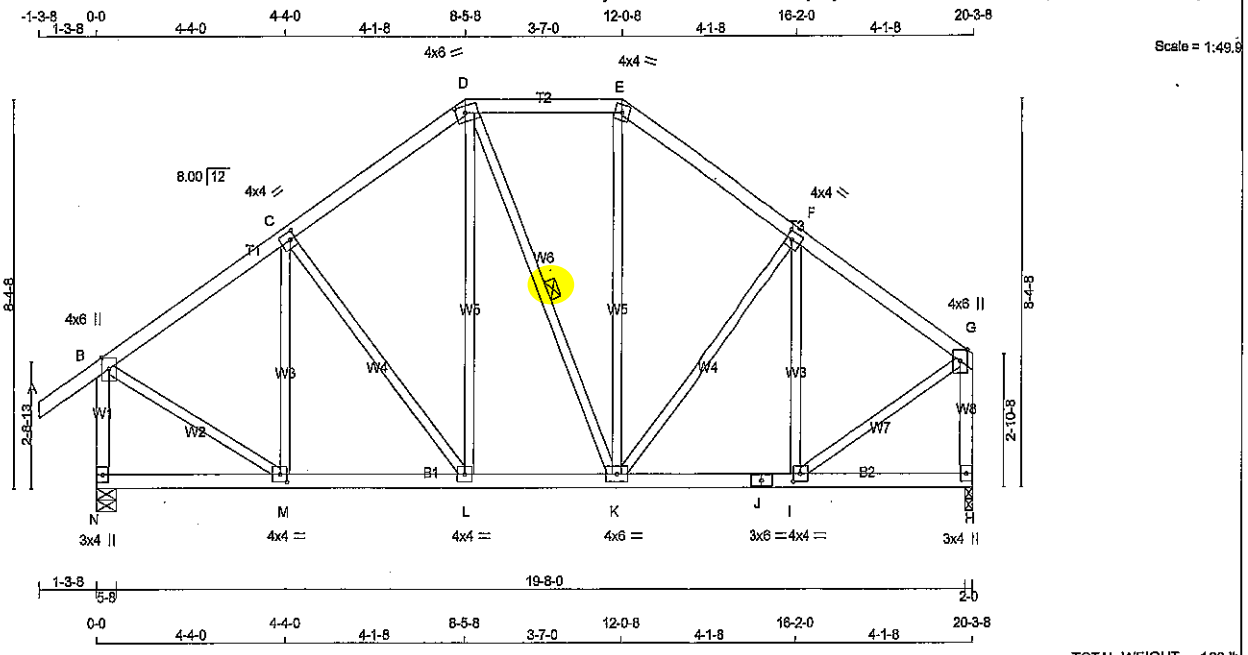
DWG NO. TAM7472-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T34A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:10 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-0AR1mLH3FU6lToBfaiB1qRullrTEKf62l22xSfzpYKR



TOTAL WEIGHT = 103 lb [M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	4.0	6.0	1.75	2.50
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMVW+p	MT20	4.0	6.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	4.0	2.00	1.75
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-t	MT20	4.0	4.0	2.00	1.75
N	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	1493	0	1493	0	0	5-8	5-8
H	1349	0	1349	0	0	2-0	2-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1172	748 / 0	213 / 0	0 / 0	0 / 0	211 / 0	0 / 0
H	1075	659 / 0	213 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.79 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

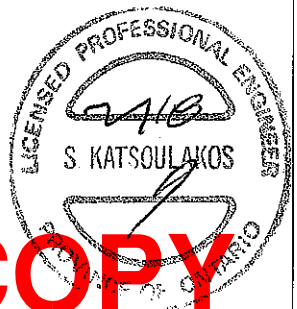
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B- C	-1075 / 0	-104.9	-104.9	0.25 (1)	5.79
C- D	-1024 / 0	-104.9	-104.9	0.25 (1)	5.90
D- E	-823 / 0	-104.9	-104.9	0.18 (1)	6.25
E- F	-1017 / 0	-104.9	-104.9	0.24 (1)	5.93
F- G	-1034 / 0	-104.9	-104.9	0.24 (1)	5.89
N- B	-1443 / 0	0.0	0.0	0.21 (1)	6.81
H- G	-1302 / 0	0.0	0.0	0.20 (1)	7.08
N- M	0 / 0	-28.0	-28.0	0.13 (3)	10.00
M- L	0 / 916	-28.0	-28.0	0.23 (2)	10.00
L- K	0 / 828	-28.0	-28.0	0.18 (1)	10.00
K- J	0 / 885	-28.0	-28.0	0.21 (2)	10.00
J- I	0 / 885	-28.0	-28.0	0.21 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.12 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- C	-375 / 26	0.18 (1)
C- L	-149 / 0	0.13 (1)
L- D	0 / 245	0.06 (2)
D- K	-13 / 0	0.01 (1)
K- E	0 / 236	0.05 (2)
K- F	-102 / 0	0.09 (1)
I- F	-417 / 2	0.20 (1)
B- M	0 / 1051	0.24 (1)
I- G	0 / 1040	0.23 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.05")

CSI: TC=0.25/1.00 (B-C:1) , BC=0.23/1.00 (L-M:2) , WB=0.24/1.00 (B-M:1) , SSI=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

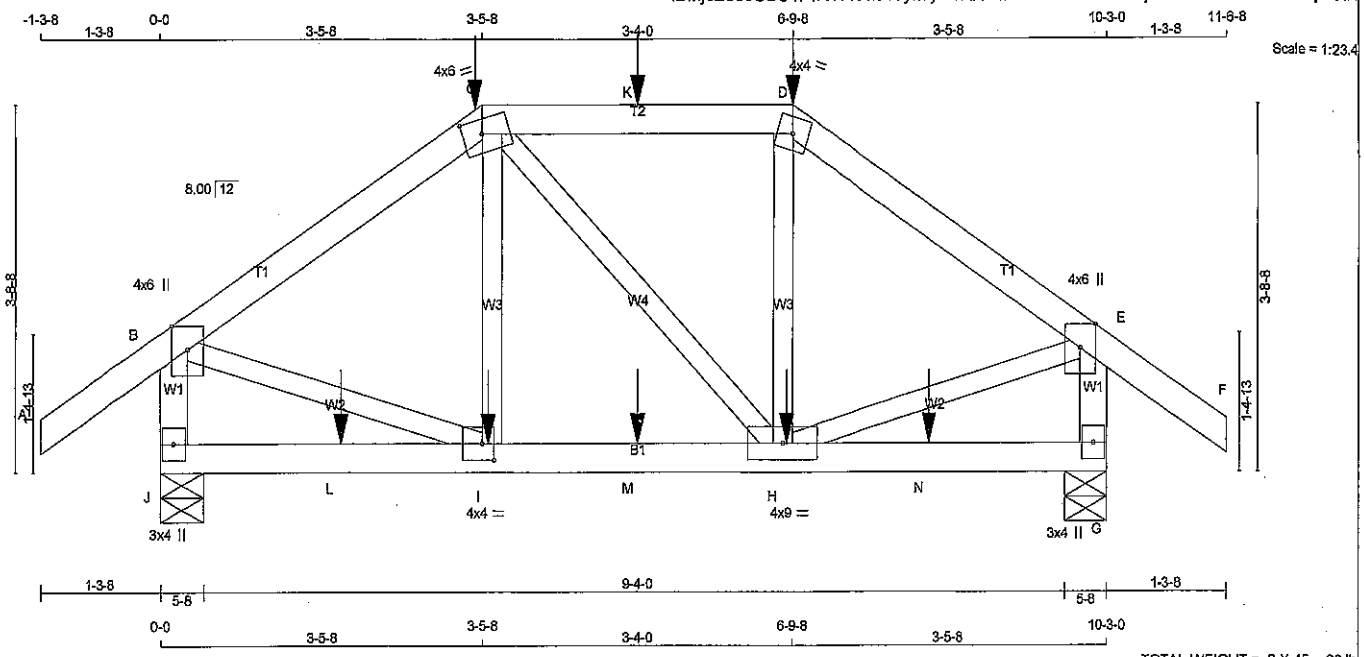
JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.34 (M) (INPUT = 1.00)

DWG NO. TAM 7473-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T35	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:10 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-0AR1mLH3FU6lToBfaiB1qRuHVrUxKfm2i22xSfzpYKR



TOTAL WEIGHT = 2 X 45 = 90 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
J - G	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	TMWW+p	MT20	4.0	6.0	Edge	
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW+p	MT20	4.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0		
I	BMWW-t	MT20	4.0	4.0	2.00	1.50
J	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 232.3 lbs FACTORED DOWN AT 3-5-8, AND 31.3 lbs FACTORED DOWN AT 5-1-8, AND 232.3 lbs FACTORED DOWN AT 6-9-8 ON TOP CHORD, AND 27.2 lbs FACTORED DOWN AT 1-11-4, 24.8 lbs FACTORED DOWN AT 3-6-4, 24.8 lbs FACTORED DOWN AT 5-1-8, AND 24.8 lbs FACTORED DOWN AT 6-8-12, AND 27.2 lbs FACTORED DOWN AT 8-3-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1106	0	1106	0	0	5-8	5-8
G	1106	0	1106	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	852	571 / 0	135 / 0	0 / 0	0 / 0	146 / 0	0 / 0
G	852	571 / 0	135 / 0	0 / 0	0 / 0	146 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.15 (1)	10.00
B- C	-907 / 0	-104.9	-104.9	0.25 (1)	6.11
C- K	-750 / 0	-104.9	-104.9	0.27 (1)	6.25
K- D	-750 / 0	-104.9	-104.9	0.27 (1)	6.25
D- E	-907 / 0	-104.9	-104.9	0.25 (1)	6.11
E- F	0 / 40	-104.9	-104.9	0.15 (1)	10.00
J- B	-1059 / 0	0.0	0.0	0.12 (1)	7.61
G- E	-1059 / 0	0.0	0.0	0.12 (1)	7.62
J- L	0 / 0	-28.0	-28.0	0.10 (2)	10.00
L- I	0 / 0	-28.0	-28.0	0.10 (2)	10.00
I- M	0 / 751	-28.0	-28.0	0.18 (2)	10.00
M- H	0 / 751	-28.0	-28.0	0.18 (2)	10.00
H- N	0 / 0	-28.0	-28.0	0.10 (2)	10.00
N- G	0 / 0	-28.0	-28.0	0.10 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- C	-98 / 146	0.04 (3)
C- H	0 / 0	0.00 (1)
H- D	-99 / 147	0.04 (3)
B- I	0 / 787	0.19 (1)
H- E	0 / 787	0.19 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-5-8	-232	-232	---	FRONT	VERT	TOTAL
D	6-9-8	-232	-232	---	FRONT	VERT	TOTAL
H	6-8-12	-14	-25	---	FRONT	VERT	TOTAL
I	3-6-4	-14	-25	---	FRONT	VERT	TOTAL
K	5-1-8	-31	-31	---	FRONT	VERT	TOTAL
L	1-11-4	-12	-27	---	FRONT	VERT	TOTAL
M	5-1-8	-14	-25	---	FRONT	VERT	TOTAL
N	8-3-12	-12	-27	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/ 998 (0.02")

CSI: TC=0.27/1.00 (C-D:1) , BC=0.18/1.00 (H-I:2) , WB=0.19/1.00 (B-I:1) , SSI=0.16/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2264	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SSI GRIP= 0.61 (B) (INPUT = 0.90)
SSI METAL= 0.28 (I) (INPUT = 1.00)

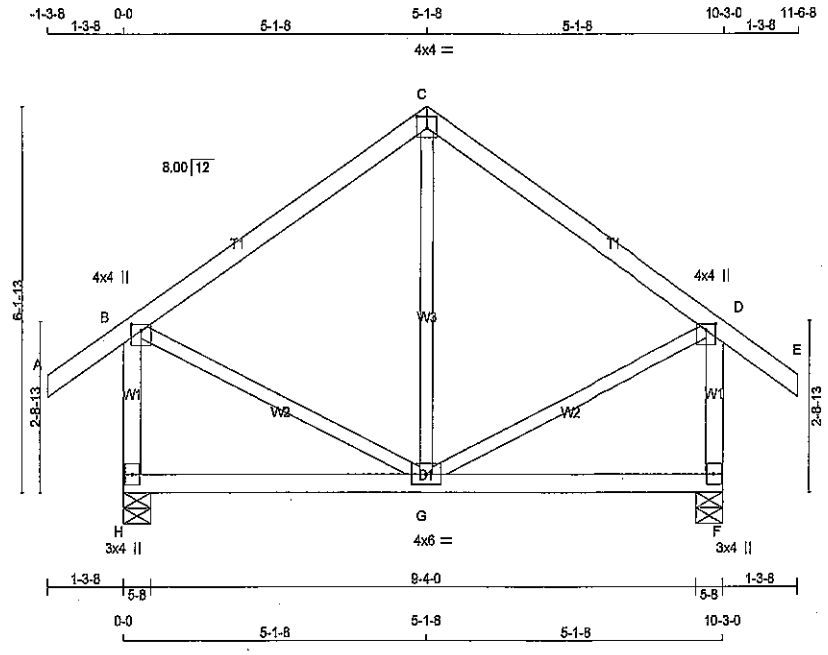
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM7474-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T36	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:10 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-0AR1mLH3FU6lToBfaiB1qRuG9rTNKha2i22xSfzpYKR



TOTAL WEIGHT = 2 X 48 = 96 lb

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	825	0	825	0	0	5-8	5-8
F	825	0	825	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	640	422 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0
F	640	422 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	G- C	-119 / 167	0.07 (1)
B- C	-378 / 0	-104.9	-104.9	0.35 (1)	6.25	B- G	0 / 347	0.08 (1)
C- D	-378 / 0	-104.9	-104.9	0.35 (1)	6.25	G- D	0 / 347	0.08 (1)
D- E	0 / 40	-104.9	-104.9	0.14 (1)	10.00			
H- B	-770 / 0	0.0	0.0	0.11 (1)	7.81			
F- D	-770 / 0	0.0	0.0	0.11 (1)	7.81			
H- G	0 / 0	-28.0	-28.0	0.22 (3)	10.00			
G- F	0 / 0	-28.0	-28.0	0.22 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.35/1.00 (B-C:1) , BC=0.22/1.00 (F-G:3) , WB=0.08/1.00 (B-G:1) , SSI=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

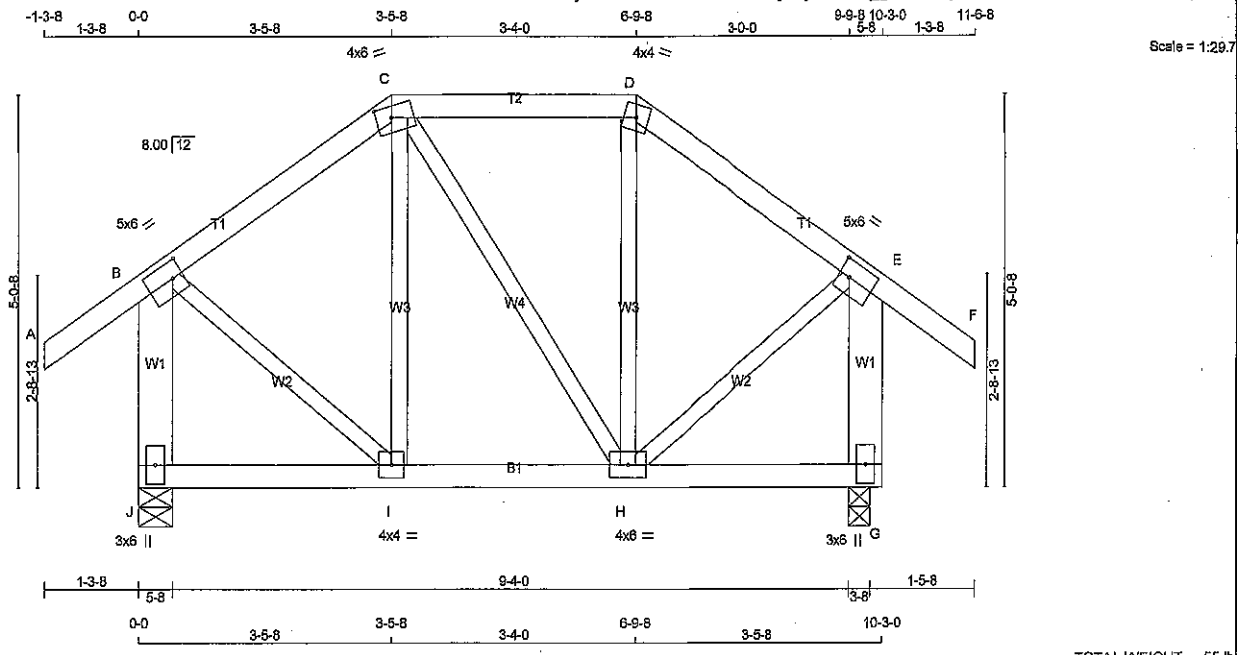
JSI GRIP= 0.54 (D) (INPUT = 0.90)
JSI METAL= 0.14 (B) (INPUT = 1.00)

DWG NO. TAM 2475-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T37	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:11 2018 Page 1
ID:hjoZoo0OBU4F?A41VBhJY3ynays-UN?P_glh0nEc4ymr8PiGNfRTvFrG38cCxinU?8zpYKQ



TOTAL WEIGHT = 55 lb

[M|F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
J - B	2x6	DRY	No.2	SPF
G - E	2x6	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	1.75
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	5.0	6.0	2.50	1.75
G	BMV1+p	MT20	3.0	6.0		
H	BMWWW-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMV1+p	MT20	3.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	825	0	825	0	0	5-8	5-8
G	825	0	825	0	0	3-8	3-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	640	422 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0
G	640	422 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
B- C	-409 / 0	-104.9	-104.9	0.16 (1)	6.25	
C- D	-337 / 0	-104.9	-104.9	0.15 (1)	6.25	
D- E	-409 / 0	-104.9	-104.9	0.16 (1)	6.25	
E- F	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
J- B	-764 / 0	0.0	0.0	0.08 (1)	7.81	
G- E	-783 / 0	0.0	0.0	0.08 (1)	7.81	
J- I	0 / 0	-28.0	-28.0	0.07 (3)	10.00	
I- H	0 / 337	-28.0	-28.0	0.11 (2)	10.00	
H- G	0 / 0	-28.0	-28.0	0.08 (3)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- C	-128 / 76	0.05 (1)
C- H	0 / 0	0.00 (1)
H- D	-129 / 76	0.05 (1)
B- I	0 / 410	0.09 (1)
H- E	0 / 410	0.09 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.16/1.00 (B-C:1) , BC=0.11/1.00 (H-I:2) , WB=0.09/1.00 (B-I:1) , SSI=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.51 (H) (INPUT = 0.90)
JSI METAL= 0.15 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 7416-18
STRUCTURAL COMPONENT ONLY

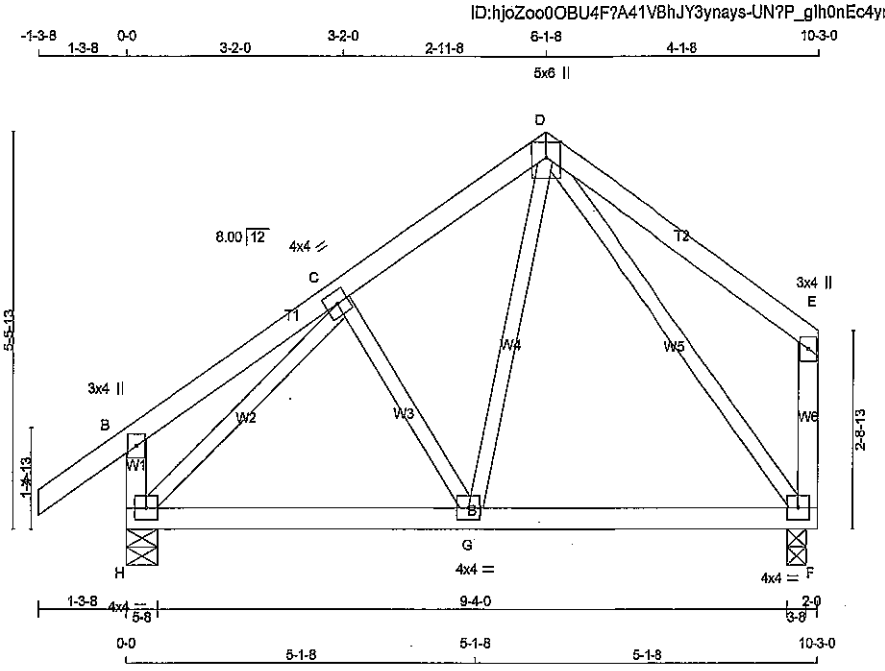
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
286655	T38A	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Thu Feb 1 10:38:11 2018 Page 1

ID:hjoZoo0OBU4F?A41VBhJY3ynays-UN?P_glh0nEc4ymr8PiGNfRRiFoy344CxinU76zpYKQ

Scale: 3/8"=1'



TOTAL WEIGHT = 2 X 47 = 93 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTWW+p	MT20	5.0	6.0	Edge	
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		
G	BMWW-t	MT20	4.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	825	0	825	0	0	5-8	5-8
F	681	0	681	0	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	640	422 / 0	108 / 0	0 / 0	0 / 0	111 / 0	0 / 0
F	543	333 / 0	108 / 0	0 / 0	0 / 0	103 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00		C- G	-182 / 33	0.04 (1)
B- C	0 / 20	-104.9	-104.9	0.15 (1)	10.00		G- D	0 / 345	0.08 (2)
C- D	-491 / 0	-104.9	-104.9	0.12 (1)	6.25		H- C	-703 / 0	0.21 (1)
D- E	0 / 0	-104.9	-104.9	0.30 (1)	10.00		D- F	-523 / 0	0.38 (1)
H- B	-268 / 0	0.0	0.0	0.03 (1)	7.81				
F- E	-216 / 0	0.0	0.0	0.03 (1)	7.81				
H- G	0 / 492	-28.0	-28.0	0.26 (2)	10.00				
G- F	0 / 327	-28.0	-28.0	0.25 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.30/1.00 (D-E:1) , BC=0.26/1.00 (G-H:2) , WB=0.38/1.00 (D-F:1) , SSI=0.14/1.00 (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 = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (C) (INPUT = 0.90)
JSI METAL= 0.26 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 7477 -18
STRUCTURAL
COMPONENT ONLY

LUL/LUS/LJS/HUS/HHUS/HGUS

Standard and Double-Shear Joist Hangers

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

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

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

Material: See table on pp. 258–259.

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

Installation:

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

Options:

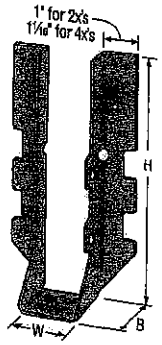
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.


Double-Shear Nailing Top View

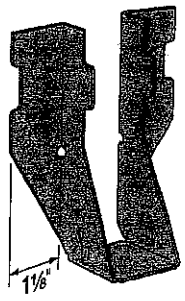

Double-Shear Nailing Side View; Do not bend tab


Dome Double-Shear Nailing Side View *(available on some models)*

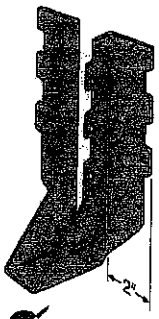
U.S. Patent 5,603,580



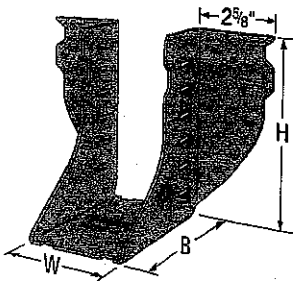
LUS28



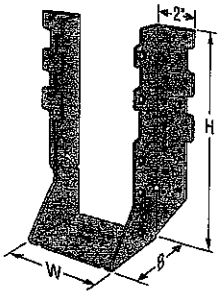
LU26L



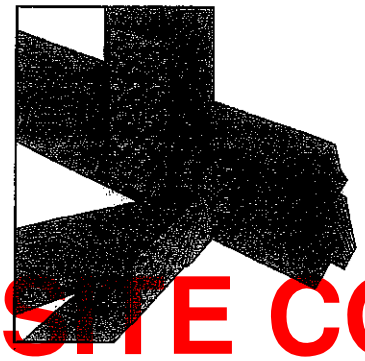
HUS210
(HUS26, HUS28, and HHUS similar)



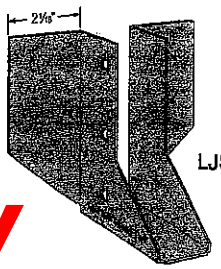
HGUS28-2



HHUS210-2



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



LJS26DS

LUL/LUS/LJS/HUS/HHUS/HGUS

SIMPSON Strong-Tie®

HHUS/HGUS

See Hanger Options information on pp. 125–127.

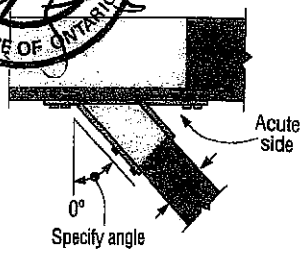
HHUS – Sloped and/or Skewed Seat

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

HGUS – Skewed Seat

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

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



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

Standard and Double-Shear Joist Hangers (cont.)

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

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

Model No.	Ga.	Dimensions (in.) W	H	B	d_e[3]	Fasteners Header	Joist	Factored Resistance D.Fir-L Uplift (K_D = 1.15) lb. / kN	D.Fir-L Normal (K_D = 1.00) lb. / kN	S-P-F Uplift (K_D = 1.15) lb. / kN	S-P-F Normal (K_D = 1.00) lb. / kN
Single 2x Sizes											
LUS24	18	1⅜	3⅛	1¾	2¼	(4) 10d	(2) 10d	710 / 3.16	1625 / 7.23	645 / 2.87	1155 / 5.14
LU24L	22	1⅜	3	1⅝	2⅛	(4) 10d	(2) 10d x 1½"	360 / 1.60	1020 / 4.54	320 / 1.42	725 / 3.22
LU26L	22	1⅜	5	1⅝	4⅝	(6) 10d	(4) 10d x 1½"	720 / 3.20	1605 / 7.14	645 / 2.87	1140 / 5.07
LUS26	18	1⅜	4¾	1¾	3¾	(4) 10d	(4) 10d	1420 / 6.32	2170 / 9.65	1290 / 5.74	1630 / 7.25
HUS26	16	1⅝	5⅞	3	3⅛	(14) 16d	(6) 16d	2705 / 11.30	4940 / 21.97	2065 / 9.20	3875 / 17.24
LUS26DS	18	1⅜	5	3½	4⅝	(16) 16d	(6) 16d	2055 / 9.14	4265 / 18.97	1460 / 6.49	4115 / 18.31
HGUS26	12	1⅝	5⅞	5	4⅛	(20) 16d	(8) 16d	2685 / 11.96	6625 / 29.51	2685 / 11.96	5700 / 25.35
LU28L	20	1⅜	6¾	1⅝	5⅞	(8) 10d	(6) 10d x 1½"	1140 / 5.07	2185 / 9.72	1020 / 4.54	1550 / 6.89
LUS28	18	1⅜	6⅝	1¾	3¾	(6) 10d	(4) 10d	1420 / 6.32	2520 / 11.21	1290 / 5.74	1790 / 7.96
HUS28	16	1⅝	7⅛	3	6⅛	(22) 16d	(8) 16d	3605 / 16.04	5365 / 23.86	2675 / 11.90	4345 / 19.33
HGUS28	12	1⅝	7⅛	5	6⅛	(36) 16d	(12) 16d	3310 / 14.74	7675 / 34.14	3310 / 14.74	6900 / 30.73
LU210L	20	1⅜	8	1⅝	7⅝	(10) 10d	(6) 10d x 1½"	1140 / 5.07	2495 / 11.10	1020 / 4.54	1770 / 7.87
LUS210	18	1⅜	7¹³⁄₁₆	1¾	3⅞	(8) 10d	(4) 10d	1420 / 6.32	2785 / 12.39	1290 / 5.74	2210 / 9.83

1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d_e is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. **Nails:** 16d = 0.162" dia. x 3½" long. See pp. 27–28 for other nail sizes and information.

Face-Mount Hangers

SIMPSON Strong-Tie®

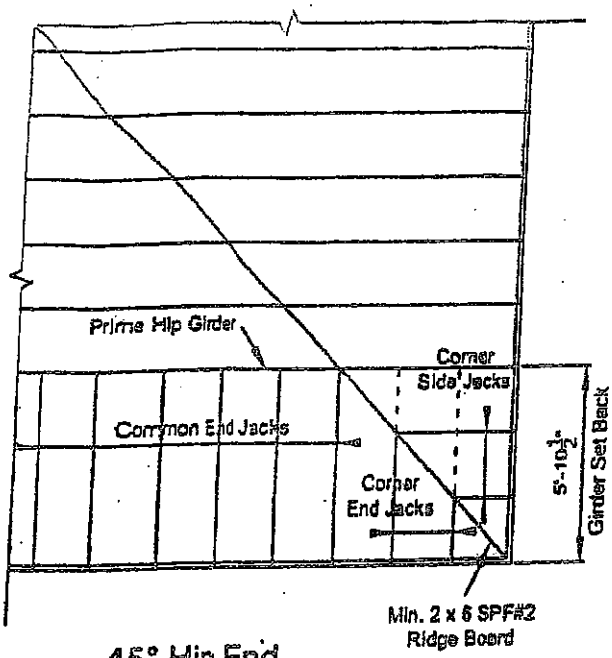
These products are available with additional corrosion protection. For more information, see p. 24.

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

Model No.	Ga.	Dimensions (in.) W	H	B	d_e[3]	Fasteners Header	Joist	Factored Resistance D.Fir-L Uplift (K_D = 1.15) lb. / kN	D.Fir-L Normal (K_D = 1.00) lb. / kN	S-P-F Uplift (K_D = 1.15) lb. / kN	S-P-F Normal (K_D = 1.00) lb. / kN
Double 2x Sizes											
LUS24-2	18	3⅛	3⅛	2	1½	(4) 16d	(2) 16d	835 / 3.71	2020 / 8.99	590 / 2.62	1435 / 6.38
SS LUS26-2	18	3⅛	4⅞	2	4	(4) 16d	(4) 16d	1720 / 7.65	2595 / 11.54	1545 / 6.87	1920 / 8.54
HHUS26-2	14	3⁵⁄₁₆	5⅜	3	3¹⁵⁄₁₆	(14) 16d	(6) 16d	2850 / 12.68	7335 / 32.63	2065 / 9.20	5205 / 23.15
HGUS26-2	12	3⁵⁄₁₆	5⁷⁄₁₆	4	4⅛	(20) 16d	(8) 16d	4385 / 19.51	8950 / 39.81	3110 / 13.83	6355 / 28.27
SS LUS28-2	18	3⅛	7	2	4	(6) 16d	(4) 16d	1720 / 7.65	3325 / 14.79	1545 / 6.87	2575 / 11.45
HHUS28-2	14	3⁵⁄₁₆	7⅝	3	6⅛	(22) 16d	(8) 16d	3765 / 16.75	8940 / 39.77	2675 / 11.90	6345 / 28.22
HGUS28-2	12	3⁵⁄₁₆	7¹⁵⁄₁₆	4	6⅛	(36) 16d	(12) 16d	6070 / 27.00	12980 / 57.74	4310 / 19.17	9215 / 40.99
SS LUS210-2	18	3⅛	9	2	6	(8) 16d	(6) 16d	2580 / 11.48	4500 / 20.02	2320 / 10.32	3195 / 14.21
HHUS210-2	14	3⁵⁄₁₆	9³⁄₁₆	3	8	(30) 16d	(10) 16d	4670 / 20.77	9660 / 42.97	4235 / 18.84	7000 / 31.14
HGUS210-2	12	3⁵⁄₁₆	9³⁄₁₆	4	8⅛	(46) 16d	(16) 16d	6840 / 30.43	14015 / 62.34	4855 / 21.60	10270 / 45.69
Triple 2x Sizes											
HGUS26-3	12	4¹⁵⁄₁₆	5½	4	4⅛	(20) 16d	(8) 16d	4385 / 19.51	8950 / 39.81	3110 / 13.83	6355 / 28.27
HGUS28-3	12	4¹⁵⁄₁₆	7¼	4	6⅛	(36) 16d	(12) 16d	6070 / 27.00	12980 / 57.74	4310 / 19.17	9215 / 40.99
HHUS210-3	14	4¹⁵⁄₁₆	9	3	7¹⁵⁄₁₆	(30) 16d	(10) 16d	4670 / 20.77	9670 / 43.02	4235 / 18.84	6865 / 30.54
HGUS210-3	12	4¹⁵⁄₁₆	9¼	4	8⅛	(46) 16d	(16) 16d	6840 / 30.43	14645 / 65.14	4855 / 21.60	10400 / 46.26
Quadruple 2x Sizes											
HGUS26-4	12	6⁹⁄₁₆	5⁷⁄₁₆	4	4⅛	(20) 16d	(8) 16d	4385 / 19.51	8950 / 39.81	3110 / 13.83	6355 / 28.27
HGUS28-4	12	6⁹⁄₁₆	7¹⁵⁄₁₆	4	6⅛	(36) 16d	(12) 16d	6070 / 27.00	12980 / 57.74	4310 / 19.17	9215 / 40.99
HHUS210-4	14	6⅛	8⅞	3	7¹³⁄₁₆	(30) 16d	(10) 16d	4670 / 20.77	10155 / 45.17	4235 / 18.84	7210 / 32.07
HGUS210-4	12	6⁹⁄₁₆	9³⁄₁₆	4	8⅛	(46) 16d	(16) 16d	6840 / 30.43	14645 / 65.14	4855 / 21.60	10400 / 46.26
HGUS212-4	12	6⁹⁄₁₆	10⅝	4	10⅛	(56) 16d	(20) 16d	7640 / 33.98	14995 / 66.70	5425 / 24.13	10645 / 47.35
HGUS214-4	12	6⁹⁄₁₆	12⅝	4	11⅛	(66) 16d	(22) 16d	10130 / 45.06	16400 / 72.95	7195 / 32.00	11645 / 51.80
4x Sizes											
LUS46	18	3⁹⁄₁₆	4¾	2	3⅛	(4) 16d	(4) 16d	1720 / 7.65	2595 / 11.54	1545 / 6.87	1920 / 8.54
HHUS46	14	3⅝	5¼	3	3¹⁵⁄₁₆	(14) 16d	(6) 16d	2540 / 11.30	7335 / 32.63	2065 / 9.20	5205 / 23.15
HGUS46	12	3⅝	5¼	4	4⅛	(20) 16d	(8) 16d	4385 / 19.51	8950 / 39.81	3110 / 13.83	6355 / 28.27
LUS48	18	3⁹⁄₁₆	6¾	2	3⅛	(6) 16d	(4) 16d	1720 / 7.65	3325 / 14.79	1545 / 6.87	2575 / 11.45
HHUS48	14	3⅝	7⅛	3	6⅛	(22) 16d	(8) 16d	3765 / 16.75	8940 / 39.77	2675 / 11.90	6345 / 28.22
HGUS48	12	3⅝	7⅛	4	6⅛	(36) 16d	(12) 16d	6070 / 27.00	12980 / 57.74	4310 / 19.17	9215 / 40.99
LUS410	18	3⁹⁄₁₆	8¾	2	5⁹⁄₁₆	(8) 16d	(6) 16d	2580 / 11.48	4500 / 20.02	2320 / 10.32	3195 / 14.21
HGUS410	12	3⅝	9	4	8⅛	(46) 16d	(16) 16d	6840 / 30.43	14015 / 62.34	4855 / 21.60	10270 / 45.69
HGUS412	12	3⅝	10⅞	4	10⅛	(56) 16d	(20) 16d	7640 / 33.98	14995 / 66.70	5425 / 24.13	10645 / 47.35
HGUS414	12	3⅝	12⅞	4	11⅛	(66) 16d	(22) 16d	10130 / 45.06	16400 / 72.95	7195 / 32.00	11645 / 51.80

See footnotes on p. 258.

MICRO CITY
ENGINEERING SERVICES INC.
TEL: (519) 287 - 2242



45° Hip End

LUMBER SPECIFICATION

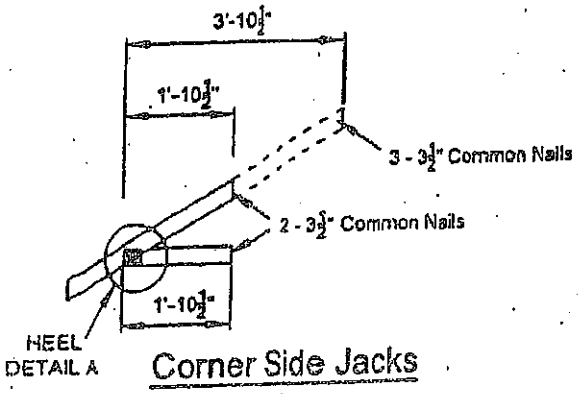
TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

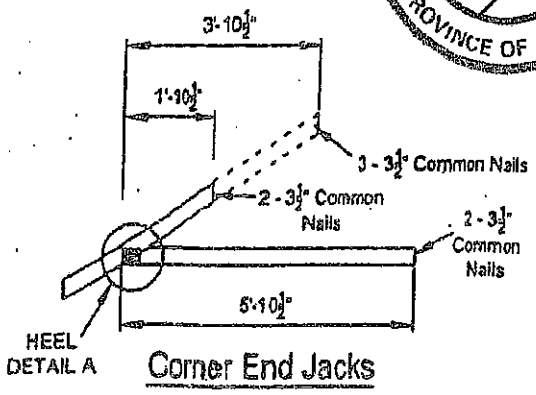
TOP CHORD LIVE LOAD	: 34.8 P.S.F.
TOP CHORD DEAD LOAD	: 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	: 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	: 7.0 P.S.F.
TOTAL LOAD	: 44.8 P.S.F.

DWG NO TAM 3495.14 R1
STRUCTURAL COMPONENT ONLY

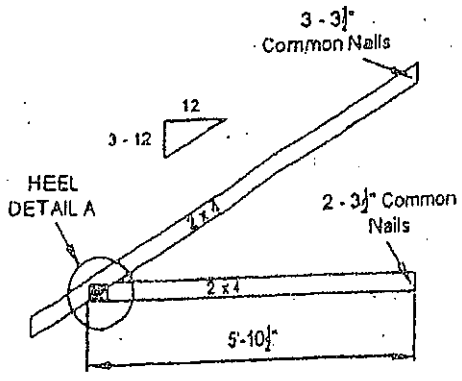
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



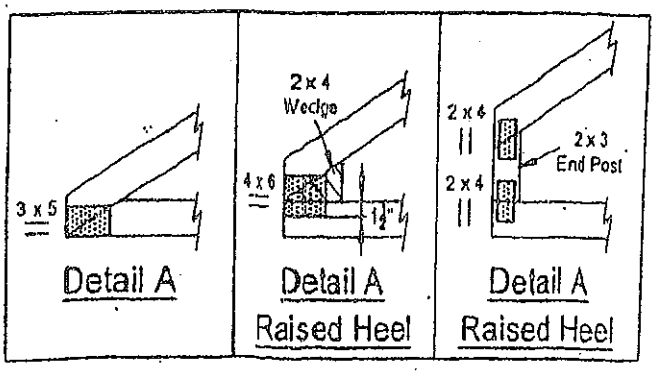
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

MICRO CITY ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

LUMBER SPECIFICATION

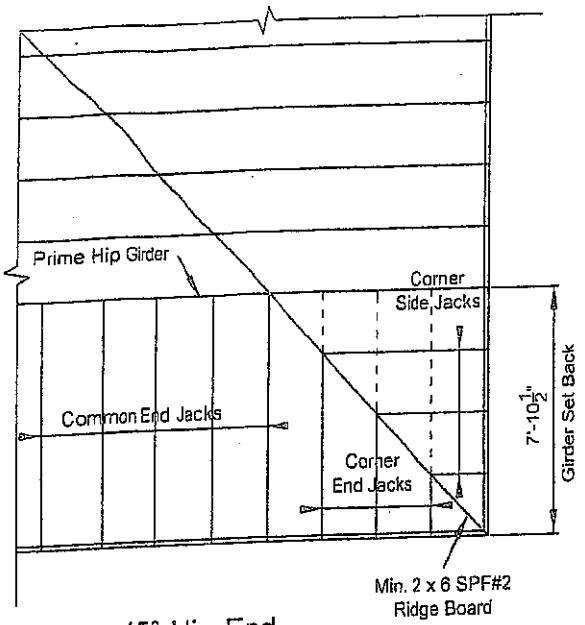
TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

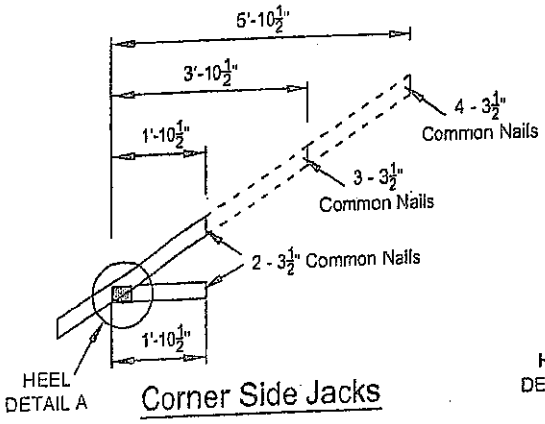
TOP CHORD LIVE LOAD	: 40.5 P.S.F.
TOP CHORD DEAD LOAD	: 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	: 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	: 7.0 P.S.F.
TOTAL LOAD	: 50.5 P.S.F.

DWG NO TAM 3504.1
STRUCTURAL COMPONENT ONLY

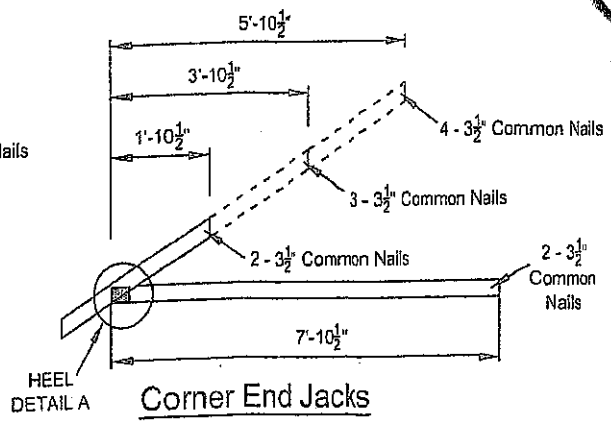
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



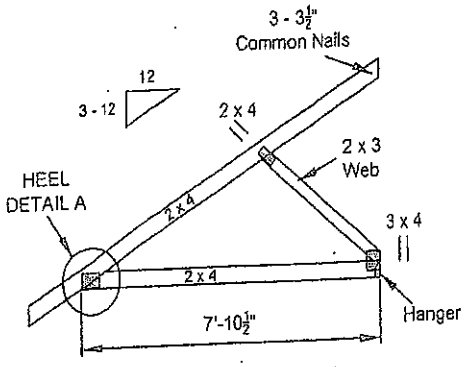
45° Hip End



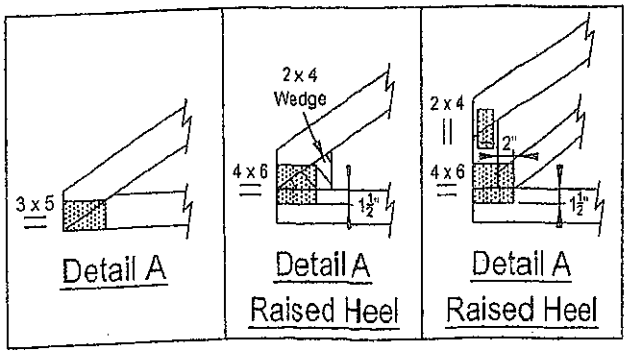
Corner Side Jacks



Corner End Jacks



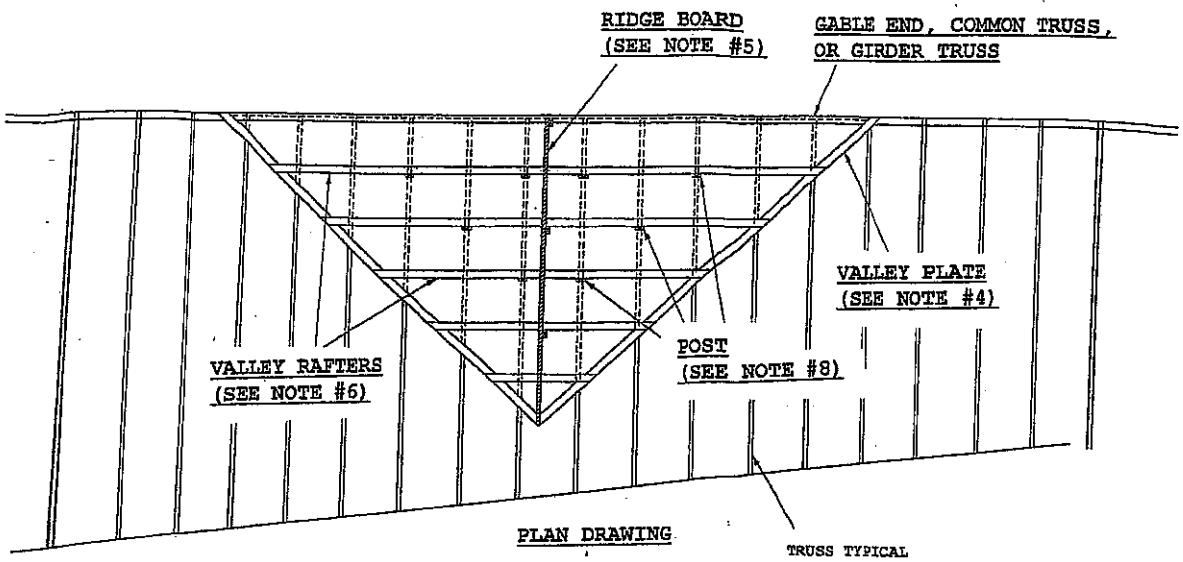
Common End Jacks



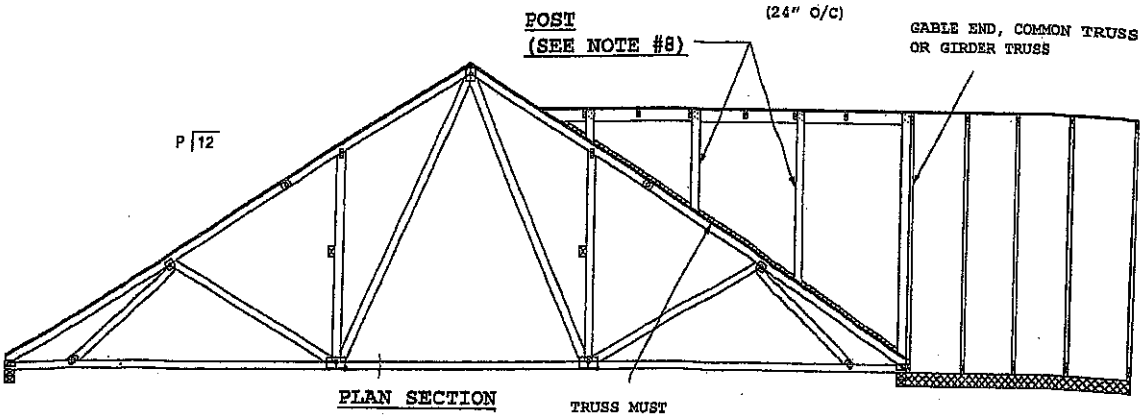
NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

MICRO CITY
ENGINEERING SERVICES INC.
TEL: (519) 287 - 2242
R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

CONVENTIONAL VALLEY FRAMING DETAIL



PLAN DRAWING



PLAN SECTION

GENERAL SPECIFICATIONS:

(1) WITH THE BASE TRUSSES ERECTED (INSTALLED), APPLY SHEATHING TOP CHORD OF SUPPORTING (BASE) TRUSSES.
(2) BRACE BOTTOM CHORD AND WEB MEMBERS AS PER PRE-ENGINEERED TRUSS DESIGNS.
(3) DEFINE VALLEY RIDGE BY RUNNING A LEVEL STRING FROM THE INTERSECTING RIDGE OF THE (a) GABLE END, (b) GIRDER TRUSS OR (c) COMMON TRUSS TO THE ROOF SHEATHING.
(4) INSTALL 2 X 6 VALLEY PLATES ON FLAT. FASTEN TO EACH SUPPORTING TRUSS WITH (2) 16d (3.5" X 0.131") NAILS.
(5) SET A 2 X 6 #2 RIDGE BOARD (MAX. 10'-0" RIDGE) OR 2 X 8 #2 SPF RIDGE BOARD (MAX. 20'-0" RIDGE). SUPPORT RIDGE BOARD WITH 2 X 4 POSTS SPACED 48" O/C. BEVEL BOTTOM OF POST TO SET EVENLY ON THE SHEATHING. FASTEN POST TO RIDGE WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST TO ROOF SHEATHING WITH (3) 10d (3" X 0.131") TOE-NAILS.
(6) FRAME VALLEY RAFTERS FROM VALLEY PLATE TO RIDGE BOARD. MAXIMUM RAFTER SPACING IS 24" O/C. FASTEN VALLEY RAFTER TO RIDGE BEAM WITH (3) 16d (3.5" X 0.131") TOE-NAILS. FASTEN VALLEY RAFTER TO VALLEY PLATE WITH (3) 16d (3.5" X 0.131") TOE-NAILS.
(7) SUPPORT THE VALLEY RAFTERS WITH 2 X 4 POSTS AT 48" O/C (OR LESS) ALONG EACH RAFTER. INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING. ALIGN POSTS WITH TRUSSES BELOW. FASTEN VALLEY RAFTER TO POST WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST THROUGH SHEATHING TO SUPPORTING TRUSSES WITH (2) 16d (3.5" X 0.131") NAILS.
(8) POSTS SHALL BE 2 X 4 #2 SPF OR BETTER. POSTS EXCEEDING 75" IN HEIGHT SHALL BE INCREASED TO 4 X 4 #2 SPF, OR BETTER, OR BE PRE-ASSEMBLED TWO (2) PLY 2 X 4 #2 SPF OR BETTER FASTENED TOGETHER WITH 2 ROWS OF 10d (3" X 0.131") NAILS AT 6" O/C.
(9) MAINTAIN A MINIMUM 3/4" LUMBER EDGE DISTANCE WHEN NAILING. NAIL SPACING SHOULD APPROXIMATE A MINIMUM 1-3/4" O/C OR MORE UNLESS NOTED OTHERWISE. ALL CONSTRUCTION TO CONFORM TO ONTARIO BUILDING CODE (CURRENT ADDITION) AT ALL TIMES.

NOTES:

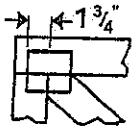
(10) 48" O/C (MAXIMUM POST SPACING.
(11) ROOF LIVE LOAD = 34.8 PSF (MAX.)
(12) ROOF DEAD LOAD = 10.0 PSF (MAX.)
(13) PART 9 APPLICATION ONLY (ONTARIO BUILDING CODE)
(14) PART 4 APPLICATION ONLY (ONTARIO BUILDING CODE) WITH APPROVED REVIEW BY LICENSED PROFESSIONAL ENGINEER.
(15) BASE TRUSS SPACING (24" O/C MAX.)
(16) ALL PRE-ENGINEERED BASE TRUSS COMPONENTS TO BE SEALED BY LICENSED PROFESSIONAL ENGINEER AND THIS DETAIL TO BE VERIFIED AND APPROVED BY SAME WHEN RIDGE BOARD LENGTH EXCEEDS 12'-0",
(17) ALL BASE TRUSSES: P = 4 (4/12) - MINIMUM.
(18) ALL VALLEY RAFTERS: P = 4 (4/12) - MINIMUM.

LICENSED PROFESSIONAL ENGINEER
3-574
S. KATSOULAKOS
PROVINCE OF ONTARIO

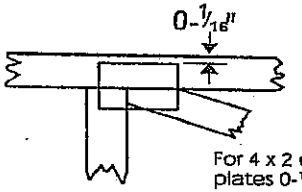
DWG NO TAM6305.14
STRUCTURAL
COMPONENT ONLY

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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

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

PLATE SIZE

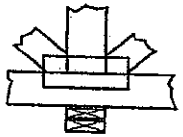
4 X 4

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

LATERAL BRACING LOCATION

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

BEARING



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

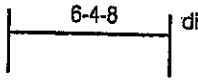
Industry Standards:

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

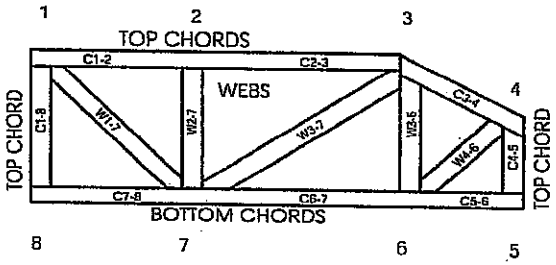
DSB-89: Design Standard for Bracing.

BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

MiTek®

POWER TO PERFORM.™

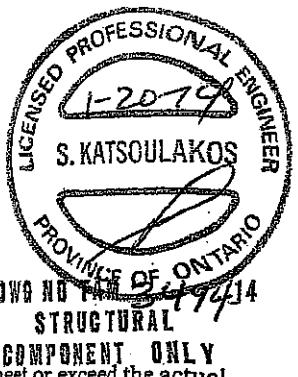
MiTek Engineering Reference Sheet: MII-7473C rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See 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.

Micro City Engineering Services Inc.
(BCIN: 26064; FIRM BCIN: 29991)
RR #1, Po Box 61
Glencoe, Ontario
N0L 1M0
(519) 287 - 2242; Fax: (519) 287 - 5750 (Call)



DWG NO [illegible]-4794-14

Responsibilities:

Micro City Engineering Services is responsible for the design of trusses as individual components.

It is the responsibilities of others to ascertain that the design loads utilized on this (these) drawing(s) 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 jurisdiction over such decisions.

All dimensions are to be verified by the owner, contractor, architect, or other authority having input over such decisions prior to truss component manufacture. At no time shall Micro City Engineering Services Inc. or its employees be responsible for dimension errors.

Micro City Engineering Services Inc. bears no responsibility for the erection of any truss components. Persons erecting truss components are cautioned to seek professional advice regarding temporary and permanent bracing systems and to be **totally** familiar with all aspects of truss erection prior to proceeding on **any** truss component erection job. Any bracing shown on Micro City Engineering Services Inc. or Tamarack Roof Trusses Inc. sealed or unsealed truss component drawings is specified for the single truss component in question and is identified as an integral part of the design for that particular truss component but is **not** meant to represent the only required bracing for that particular truss component when installed as a component in a series of truss components in a roof truss system.

It is the truss manufacturer's responsibility to ensure that trusses are manufactured in accordance with Micro City Engineering Services Inc. specifications outlined below:

SPECIFICATIONS:

Truss components sealed by Micro City Engineering Services Inc. must conform to the relevant sections of the current Building Code of Ontario and Canada (Part 4 or Part 9) or the current Farm Building Code of Canada 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 unit lumber and nailing stresses identified on truss component design drawings and/or used in the design of individual truss components shall conform to the current CSA Wood Design standard identified in the current Building Code and TPIC Design Standards.

The lumber used to manufacture any truss component is to conform to the specified size and grade identified on the truss drawing.

The lumber used in the manufacture of any truss component is not to exceed 19% during its service use unless specifically noted on the truss drawing.

The lumber used in the manufacture of any truss component is not to be treated with any chemicals during its service life unless specifically noted on the truss drawing.

Connector plates shall be applied to both faces of the truss component at each joint and shall be positioned exactly as specified.

The top chord of any truss component is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the sealed truss component drawing but not exceeding 24" o/c (Part 9 design) and not exceeding 48" o/c (Part 4 or Agricultural design).

When a truss component is to be installed with no rigid ceiling attached directly to the bottom chord, then the bottom chord is to be laterally braced at intervals not exceeding 3m (or 10'-0").

All sealed or unsealed truss component drawings provided by Micro City Engineering Services Inc. Or Tamarack Roof Trusses Inc. should be read in conjunction with the following:

Warning-Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473C rev 10-'08 BEFORE USE. Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for individual building component. Applicability of design parameters and proper incorporation of component is the responsibility of the building designer - not the truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection, and bracing, consult TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component Safety Information available from the Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA, 22314.