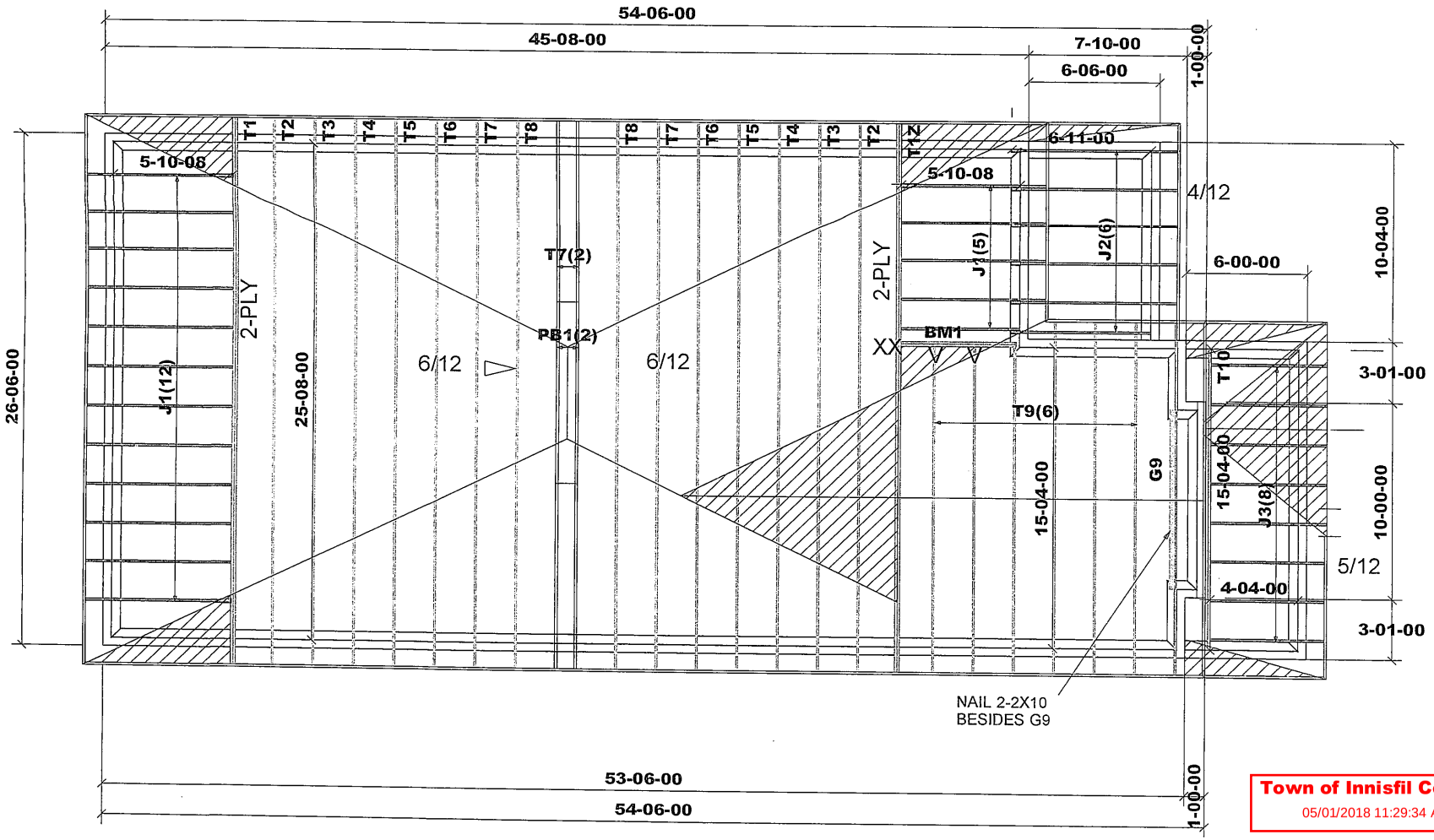
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1:2-2X10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:34 AM kgervais

m11,006

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track: 42067	Builder / Location: BAYVIEW WELLINGTON / INNISFIL		Model / Elevation: S32-4-10G / A
Layout ID: 272288	Project: ALCONA SHORES	THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC., SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTLILZED FOR ANY OTHER PURPOSE.	
Plan Log: 87565	Date: 9/8/2017 Designer: JG		

Mitek ver 7.5.0

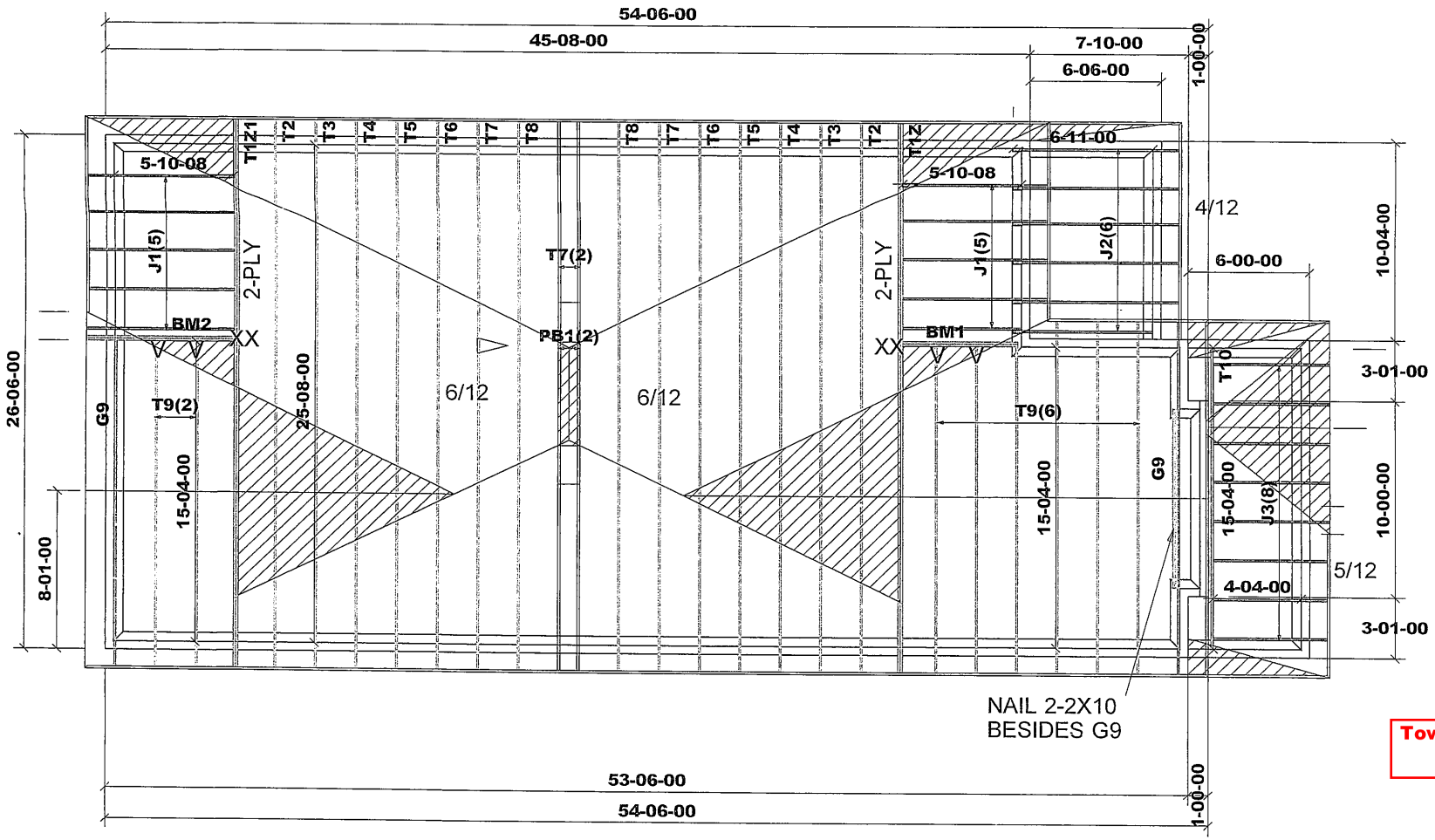
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1,2 :2-2-10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:39 AM kgervais

M11,005

TAMARACK LUMBER INC.	Job Track: **42067**	Builder / Location: **BAYVIEW WELLINGTON / INNISFIL**	Model / Elevation: **S32-4-10G / A-REAR UPGRADE**
	Layout ID: **272289**	Project: **ALCONA SHORES**	
	Plan Log: **87565**	Date: 9/8/2017 Designer: JG	

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

Mitek ver 7.5.0

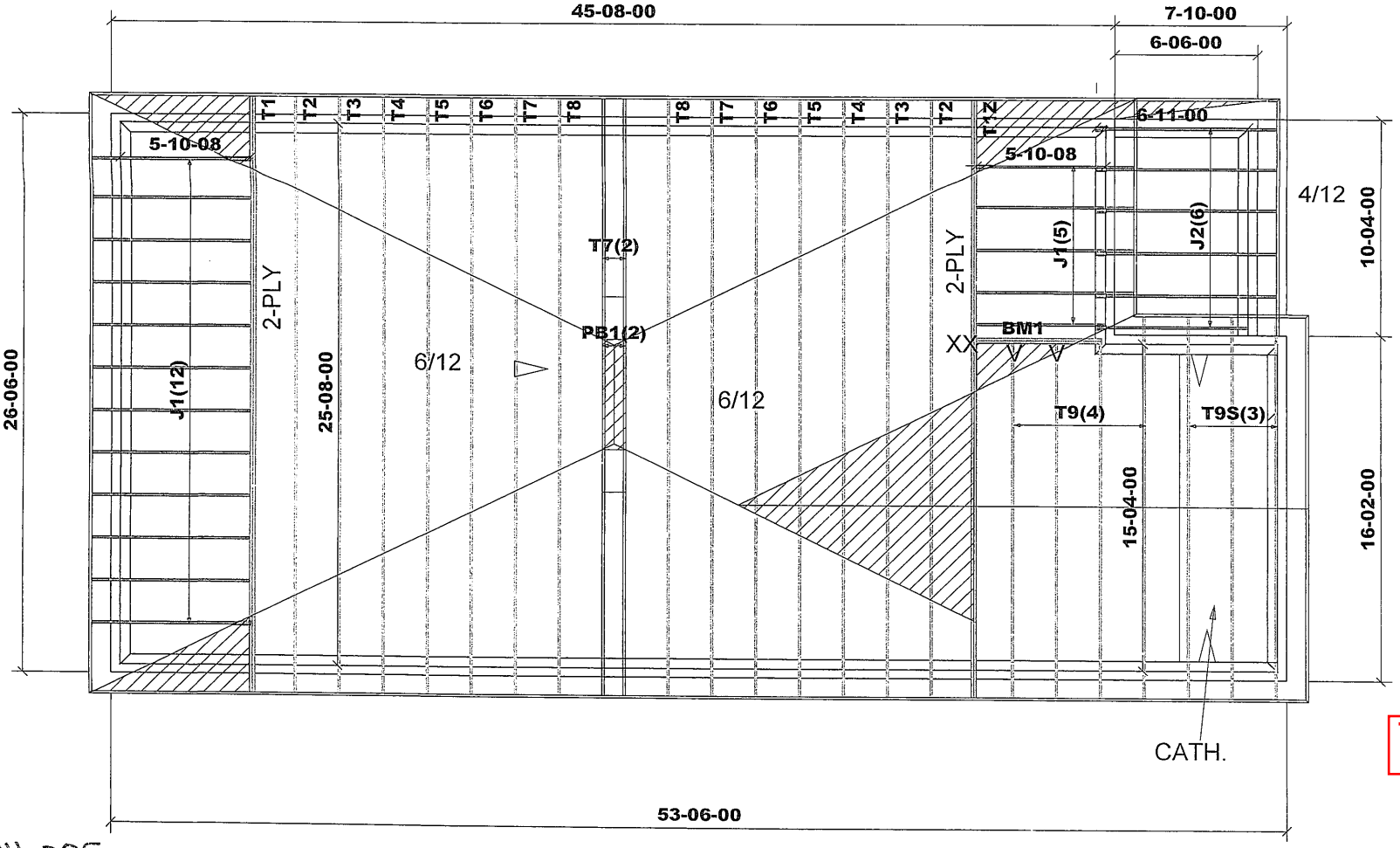
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1:2X2-10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:41 AM kgervais

M11,005

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: **42067**	Builder / Location: **BAYVIEW WELLINGTON / INNISFIL**	Model / Elevation: **S32-4-10G / B**
	Layout ID: **272290**	Project: **ALCONA SHORES**	
	Plan Log: **87565**	Date: 9/8/2017 Designer: JG	

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

Mitek ver 7.5.0

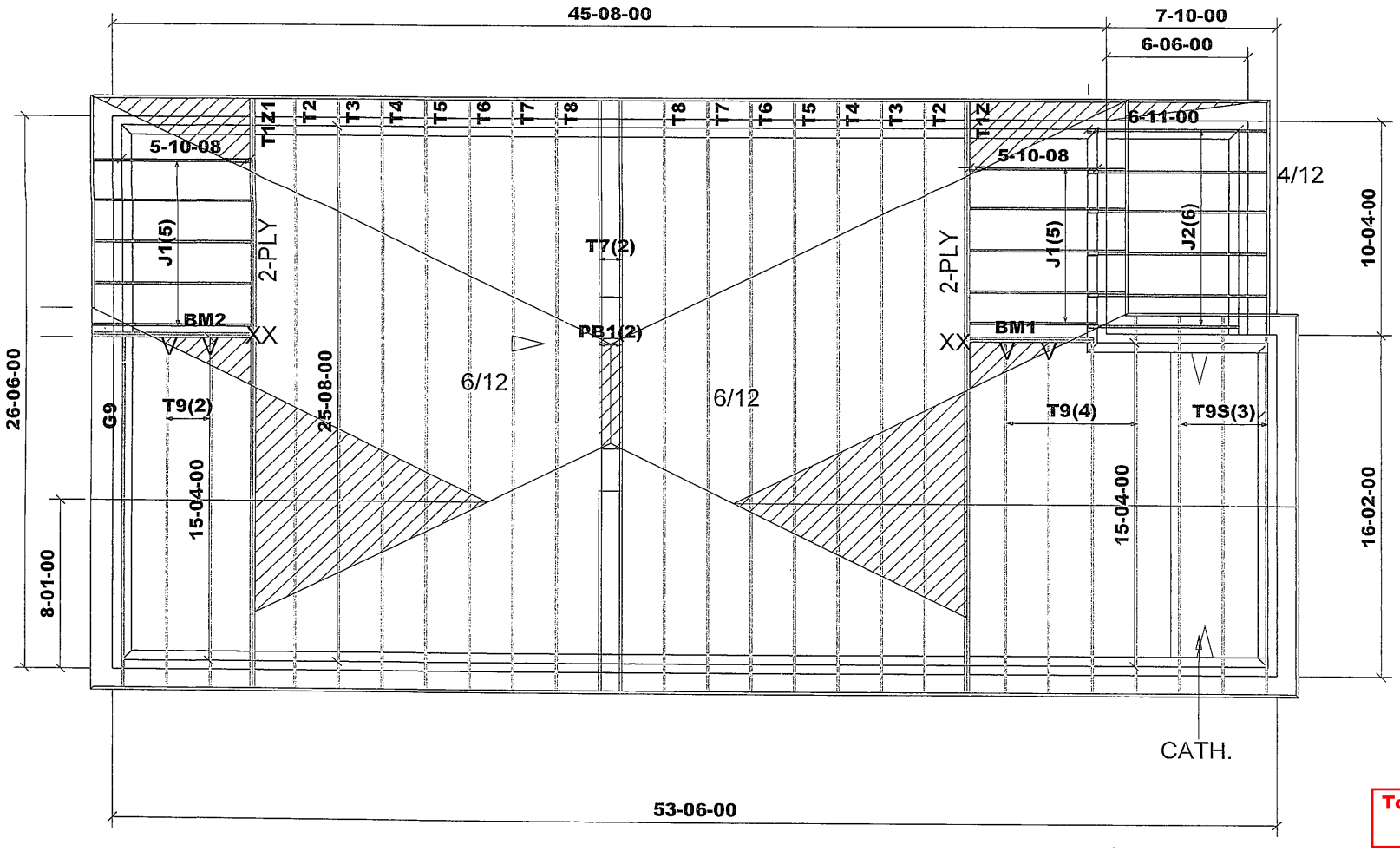
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1,2 :2-2X10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:44 AM kgervais

m11,005

TAMARACK LUMBER INC.	Job Track: 42067	Builder / Location: BAYVIEW WELLINGTON / INNISFIL	Model / Elevation: S32-4-10G / B-REAR UPGRADE
	Layout ID: 272291	Project: ALCONA SHORES	
	Plan Log: 87565	Date: 9/8/2017 Designer: JG	

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

Mitek ver 7.5.0

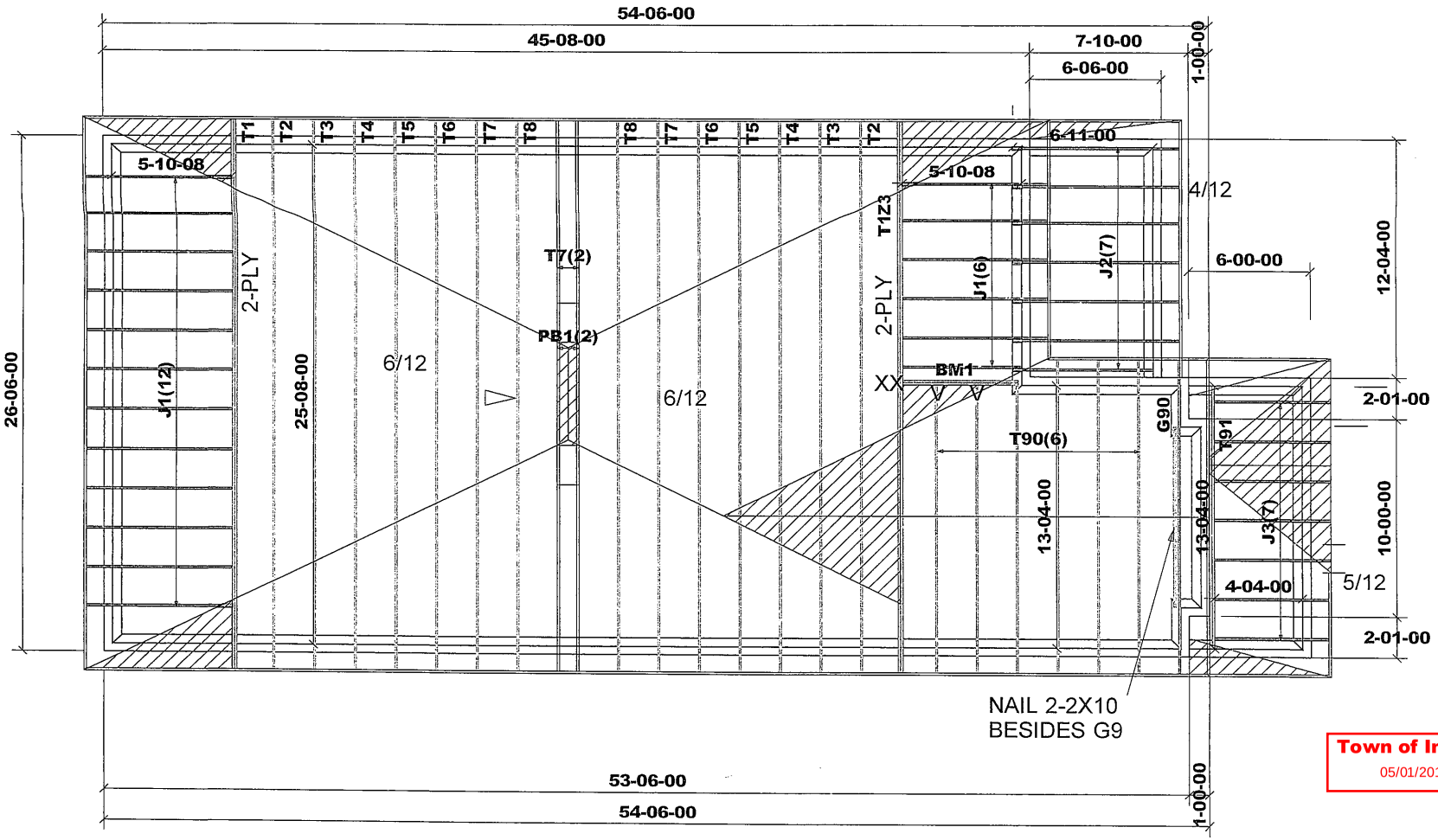
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1:2-2X10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:46 AM kgervais

M11,005

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track: 42067	Builder / Location: BAYVIEW WELLINGTON / INNISFIL		Model / Elevation: S32-4-12G / A
Layout ID: 272327	Project: ALCONA SHORES		
Plan Log: 87565	Date: 9/8/2017	Designer: JG	

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

Mitek ver 7.5.0

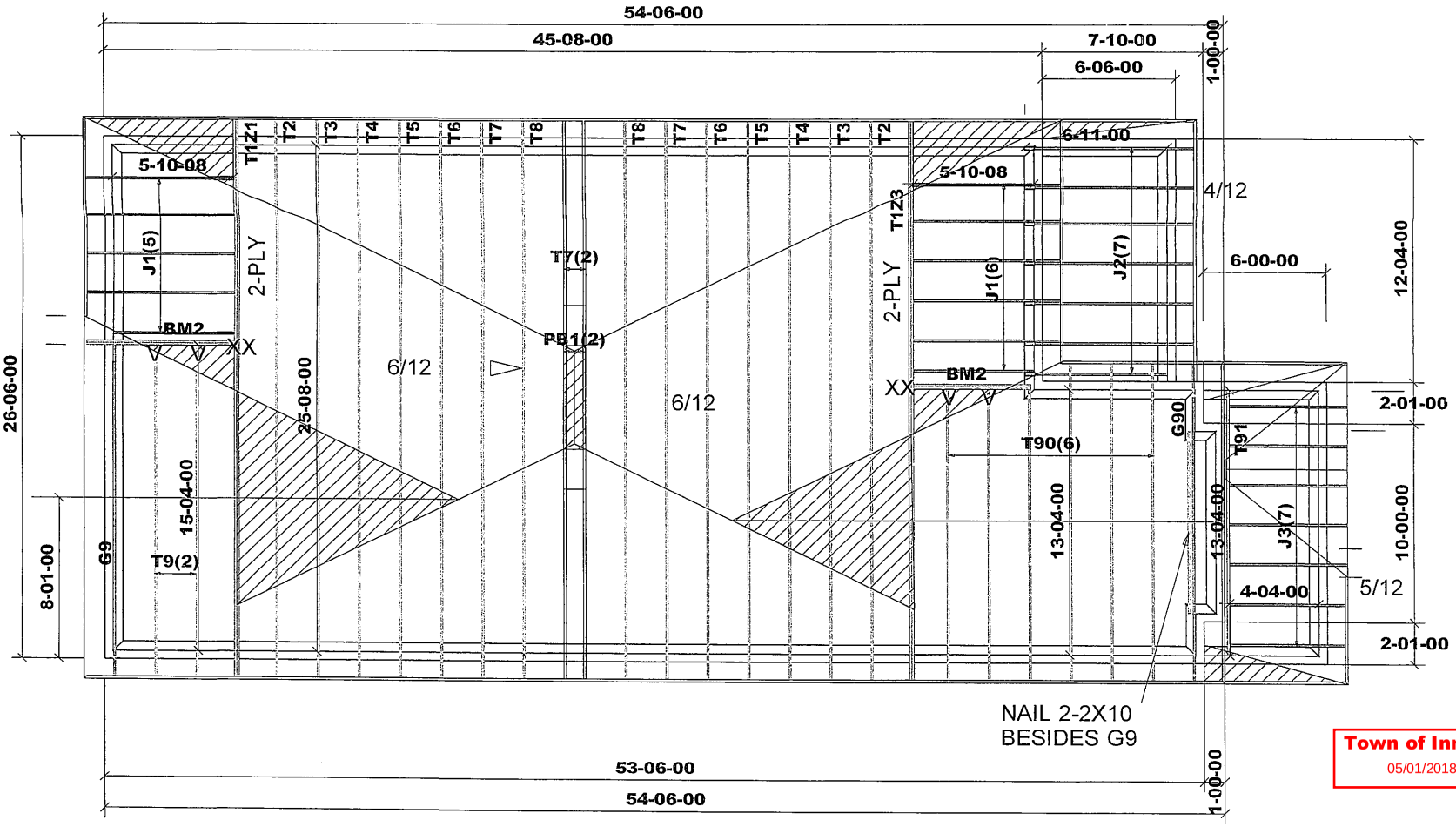
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1:2-2X10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:48 AM kgervais

M11,005

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: **42067**	Builder / Location: **BAYVIEW WELLINGTON / INNISFIL**	Model / Elevation: **S32-4-12G / A-REAR UPGRADE**
	Layout ID: **272328**	Project: **ALCONA SHORES**	THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC., SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTLILZED FOR ANY OTHER PURPOSE.
	Plan Log: **87565**	Date: **9/8/2017** Designer: JG	Mitek ver 7.5.0

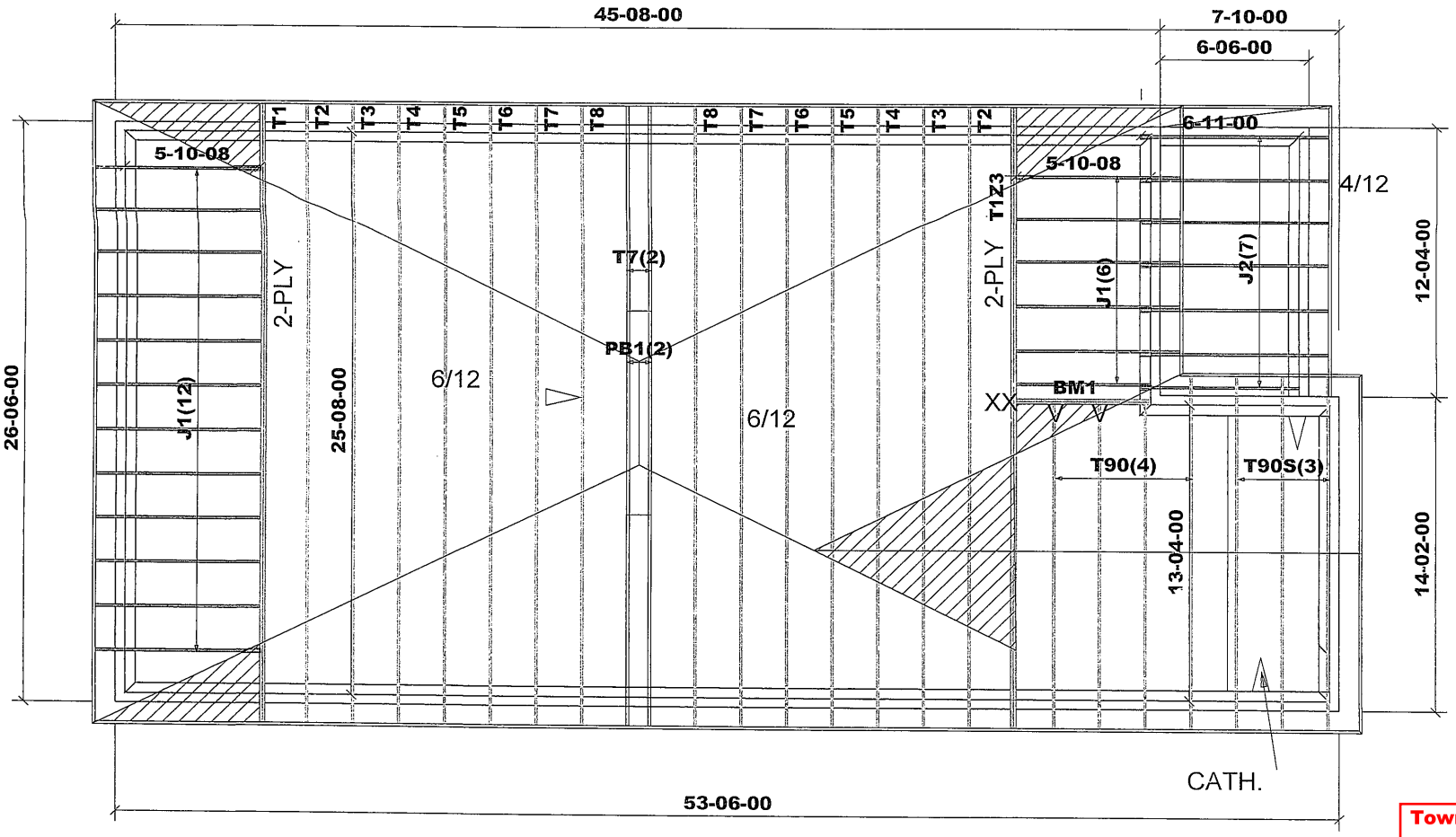
T-170678

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1:2-2X10



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

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 CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa

TC DEAD	3 PSF
BC LIVE	10.5 PSF
BC DEAD	7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:51 AM kgervais

m11,005

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track: 42067	Builder / Location: BAYVIEW WELLINGTON / INNISFIL		Model / Elevation: S32-4-12G / B
Layout ID: 272329	Project: ALCONA SHORES		
Plan Log: 87565	Date: 9/8/2017	Designer: JG	

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

Mitek ver 7.5.0

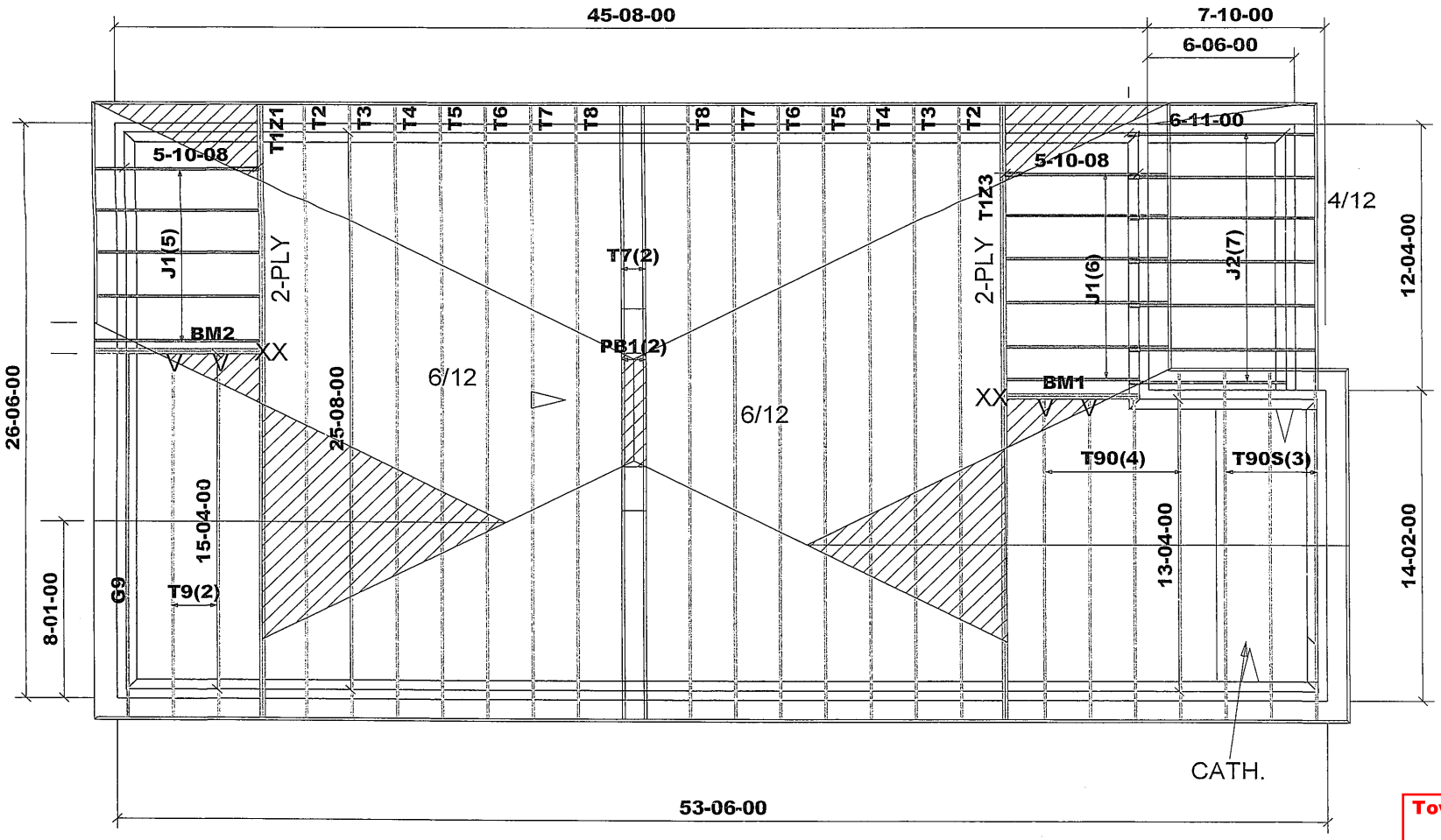
T-160596

12/12 ROOF PITCH
UNLESS NOTED

DENOTES
CONVENTIONAL
FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

BM1,2 :2-2-10



12" FINISH O.H
R.T.M.C
2X6 EXTERIOR WALLS
ASPHALT SHINGLES
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DESIGN CONFORMS WITH THE RELEVANT SECTION OF THE LATEST EDITION OF O.B.C. PART.9

DESIGN LOADS:
GROUND SNOW LOAD
Ss= 2.6 kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

Town of Innisfil Certified Model
05/01/2018 11:29:53 AM kgervais

M11,005

TAMARACK LUMBER INC.
AFG LUMBER GROUP

Job Track: 42067	Builder / Location: BAYVIEW WELLINGTON / INNISFIL		Model / Elevation: S32-4-12G / B-REAR UPGRADE
Layout ID: 272330	Project: ALCONA SHORES		
Plan Log: 87565	Date: 9/8/2017	Designer: JG	

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Mitek ver 7.5.0

DATE	09/08/17
SALES REP	Mario

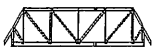
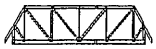
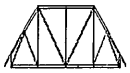
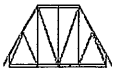
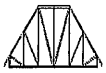
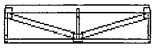
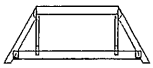
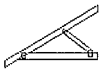
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067 LAYOUT ID: 272288 LOCATION: INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO SUB-BUILDER:
MODEL: S32-4-10G 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 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.82 / 191.34		
	6	T9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	467.16 / 295.02		
	1	G9 GABLE	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	84.89 / 52.17		
	1	T10 HIP GIRDER	0.00 / 0.00	15-04-00	02-03-00	2 X 6	2 X 4	00-00-00 / 00-00-00	00-03-08 / 01-09-08	66.52 / 41.00		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	17	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	285.43 / 181.39		
	6	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	120.90 / 73.02		
	8	J3 JACK-OPEN	5.00 / 0.00	04-04-00	02-03-00	2 X 4	2 X 4	01-05-00 / 00-00-00	00-05-06 / 02-03-00	103.84 / 69.36		

TOTAL # TRUSS= **61.00** TOTAL BFT OF ALL TRUSSES= **2401.32** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3797.42** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	09/08/17
SALES REP	Mario

JOB TRACK: 42067 LAYOUT ID: 272288 LOCATION: INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SH0 SUB-BUILDER:
MODEL: S32-4-10G ELEVATION: A

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **6.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

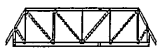
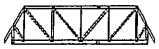
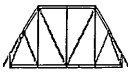
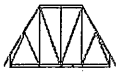
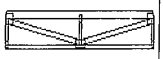
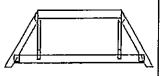
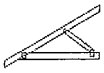
Delivery Shiplist

DATE	09/08/17
SALES REP	Mario

JOB TRACK: 42067 LAYOUT ID: 272289 LOCATION: INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO SUB-BUILDER:
MODEL: S32-4-10G ELEVATION: A-REAR

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	T1Z HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z1 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.82 / 191.34		
	8	T9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	622.88 / 393.36		
	2	G9 GABLE	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	169.78 / 104.34		
	1	T10 HIP GIRDER	0.00 / 0.00	15-04-00	02-03-00	2 X 6	2 X 4	00-00-00 / 00-00-00	00-03-08 / 01-09-08	66.52 / 41.00		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	10	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-05-00 / 00-00-00	01-02-00 / 04-01-04	169.50 / 106.70		
	6	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	120.90 / 73.02		
	8	J3 JACK-OPEN	5.00 / 0.00	04-04-00	02-03-00	2 X 4	2 X 4	01-05-00 / 00-00-00	00-05-06 / 02-03-00	103.84 / 69.36		

TOTAL # TRUSS= **57.00** TOTAL BFT OF ALL TRUSSES= **2477.14** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3922.10** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

DATE	09/08/17
SALES REP	Mario

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK:	42067	LAYOUT ID:	272289	LOCATION:	INNISFIL
BUILDER:	BAYVIEW WELLINGTON/ALCONA SHO			SUB-BUILDER:	
MODEL:	S32-4-10G			ELEVATION:	A-REAR

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **6.00**

DATE	09/08/17
SALES REP	Mario

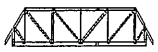
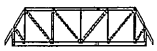
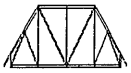
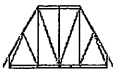
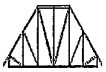
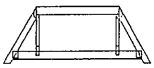
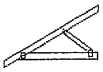
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067	LAYOUT ID: 272290	LOCATION:	INNISFIL
BUILDER:	BAYVIEW WELLINGTON/ALCONA SHO	SUB-BUILDER:	
MODEL:	S32-4-10G	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 / HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z / HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 / HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 / HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 / HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 / HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 / HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 / HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 / HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.82 / 191.34		
	4	T9 / COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	311.44 / 196.68		
	3	T9S / SCISSOR	12.00 / 6.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	223.95 / 141.00		
	2	PB1 / PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	17	J1 / JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	285.43 / 181.39		
	6	J2 / JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	120.90 / 73.02		

TOTAL # TRUSS= **52.00** TOTAL BFT OF ALL TRUSSES= **2281.45** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3610.40** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
2	Hangers	LJS26DS	

TOTAL # ITEMS= **3.00**

DATE	09/08/17
SALES REP	Mario

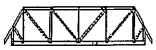
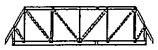
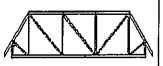
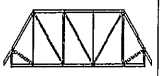
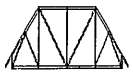
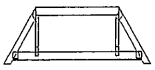
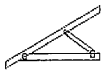
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067 **LAYOUT ID:** 272291 **LOCATION:** INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO **SUB-BUILDER:**
MODEL: S32-4-10G **ELEVATION:** B-REAR

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	T1Z / HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z1 / HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 / HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 / HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 / HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 / HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 / HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 / HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 / HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.82 / 191.34		
	6	T9 / COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	467.16 / 295.02		
	1	G9 / COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	84.89 / 52.17		
	3	T9S / SCISSOR	12.00 / 6.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	223.95 / 141.00		
	2	PB1 / PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	10	J1 / JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-05-00 / 00-00-00	01-02-00 / 04-01-04	169.50 / 106.70		
	6	J2 / JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	120.90 / 73.02		

TOTAL # TRUSS= **48.00** TOTAL BFT OF ALL TRUSSES= **2357.27** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3735.08** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **6.00**

DATE	09/08/17
SALES REP	Mario

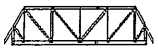
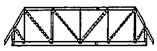
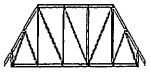
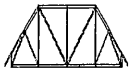
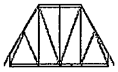
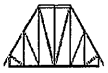
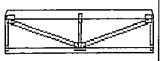
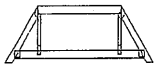
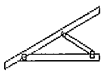
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067 LAYOUT ID: 272327 LOCATION: INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO SUB-BUILDER:
MODEL: S32-4-12G 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 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z3 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.80 / 192.66		
	6	T90 COMMON	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	415.68 / 264.00		
	1	G90 GABLE	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	71.77 / 45.00		
	1	T91 HIP GIRDER	0.00 / 0.00	13-04-00	02-03-00	2 X 6	2 X 4	00-00-00 / 00-00-00	00-03-08 / 01-09-08	54.23 / 34.00		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	18	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	302.22 / 192.06		
	7	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	141.96 / 85.19		
	7	J3 JACK-OPEN	5.00 / 0.00	04-04-00	02-03-00	2 X 4	2 X 4	01-05-00 / 00-00-00	00-05-06 / 02-03-00	90.86 / 60.69		

TOTAL # TRUSS= **62.00** TOTAL BFT OF ALL TRUSSES= **2371.62** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3745.38** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	09/08/17
SALES REP	Mario

JOB TRACK: 42067 **LAYOUT ID:** 272327 **LOCATION:** INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO **SUB-BUILDER:**
MODEL: S32-4-12G **ELEVATION:** A

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
2	Hangers	LJS26DS	

TOTAL # ITEMS= **3.00**

DATE	09/08/17
SALES REP	Mario

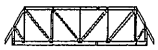
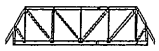
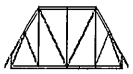
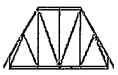
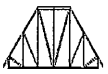
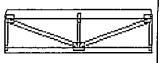
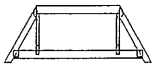
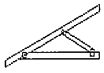
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067	LAYOUT ID: 272328	LOCATION:	INNISFIL
BUILDER:	BAYVIEW WELLINGTON/ALCONA SHO	SUB-BUILDER:	
MODEL:	S32-4-12G	ELEVATION:	A-REAR

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	T1Z1 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	253.10 / 161.66		
	1 / 2 Ply	T1Z3 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	253.10 / 161.66		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.80 / 192.66		
	2	T9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	155.72 / 98.34		
	1	G9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	84.89 / 52.17		
	6	T90 COMMON	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	415.68 / 264.00		
	1	G90 GABLE	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	71.77 / 45.00		
	1	T91 HIP GIRDER	0.00 / 0.00	13-04-00	02-03-00	2 X 6	2 X 4	00-00-00 / 00-00-00	00-03-08 / 01-09-08	54.23 / 34.00		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	11	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	184.69 / 117.37		
	7	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	141.96 / 85.19		
	7	J3 JACK-OPEN	5.00 / 0.00	04-04-00	02-03-00	2 X 4	2 X 4	01-05-00 / 00-00-00	00-05-06 / 02-03-00	90.86 / 60.69		

TOTAL # TRUSS= **58.00** TOTAL BFT OF ALL TRUSSES= **2452.08** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3876.34** LBS.

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	09/08/17
SALES REP	Mario

JOB TRACK: 42067 **LAYOUT ID:** 272328 **LOCATION:** INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO **SUB-BUILDER:**
MODEL: S32-4-12G **ELEVATION:** A-REAR

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **6.00**

DATE	09/08/17
SALES REP	Mario

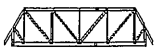
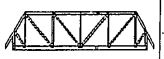
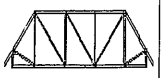
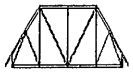
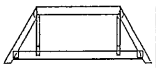
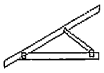
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067 **LAYOUT ID:** 272329 **LOCATION:** INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO **SUB-BUILDER:**
MODEL: S32-4-12G **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 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z3 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.80 / 192.66		
	4	T90 COMMON	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	277.12 / 176.00		
	3	T90S SCISSOR	12.00 / 6.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	199.44 / 131.49		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	18	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	302.22 / 192.06		
	7	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	140.70 / 85.19		

TOTAL # TRUSS= **54.00** TOTAL BFT OF ALL TRUSSES= **2275.42** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3588.14** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
2	Hangers	LJS26DS	

TOTAL # ITEMS= **3.00**

DATE	09/08/17
SALES REP	Mario

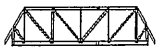
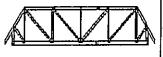
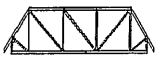
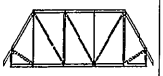
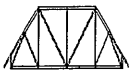
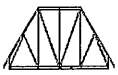
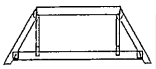
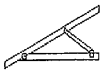
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 42067 LAYOUT ID: 272330 LOCATION: INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO SUB-BUILDER:
MODEL: S32-4-12G ELEVATION: B-REAR

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	T1Z1 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	1 / 2 Ply	T1Z3 HIP GIRDER	12.00 / 0.00	25-08-00	04-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-10-08 / 01-10-08	249.16 / 159.34		
	2	T2 HIP	12.00 / 0.00	25-08-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	216.88 / 137.34		
	2	T3 HIP	12.00 / 0.00	25-08-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	229.00 / 146.00		
	2	T4 HIP	12.00 / 0.00	25-08-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	255.08 / 163.00		
	2	T5 HIP	12.00 / 0.00	25-08-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	248.14 / 156.00		
	2	T6 HIP	12.00 / 0.00	25-08-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	273.24 / 173.00		
	4	T7 HIP	12.00 / 0.00	25-08-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	592.76 / 372.00		
	2	T8 HIP	12.00 / 0.00	25-08-00	11-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	307.80 / 192.66		
	2	T9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	155.72 / 98.34		
	1	G9 COMMON	12.00 / 0.00	15-04-00	09-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	84.89 / 52.17		
	4	T90 COMMON	12.00 / 0.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	277.12 / 176.00		
	3	T90S SCISSOR	12.00 / 6.00	13-04-00	08-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	199.44 / 131.49		
	2	PB1 PIGGYBACK	12.00 / 0.00	08-01-02	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-05-03 / 00-05-03	47.44 / 32.00		
	11	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-05-00 / 00-00-00	01-02-00 / 04-01-04	186.45 / 117.37		
	7	J2 JACK-OPEN	4.00 / 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 00-05-06	140.70 / 85.19		

TOTAL # TRUSS= **50.00** TOTAL BFT OF ALL TRUSSES= **2351.24** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3712.98** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	09/08/17
SALES REP	Mario

JOB TRACK: 42067 **LAYOUT ID:** 272330 **LOCATION:** INNISFIL
BUILDER: BAYVIEW WELLINGTON/ALCONA SHO **SUB-BUILDER:**
MODEL: S32-4-12G **ELEVATION:** B-REAR

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **6.00**

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T1	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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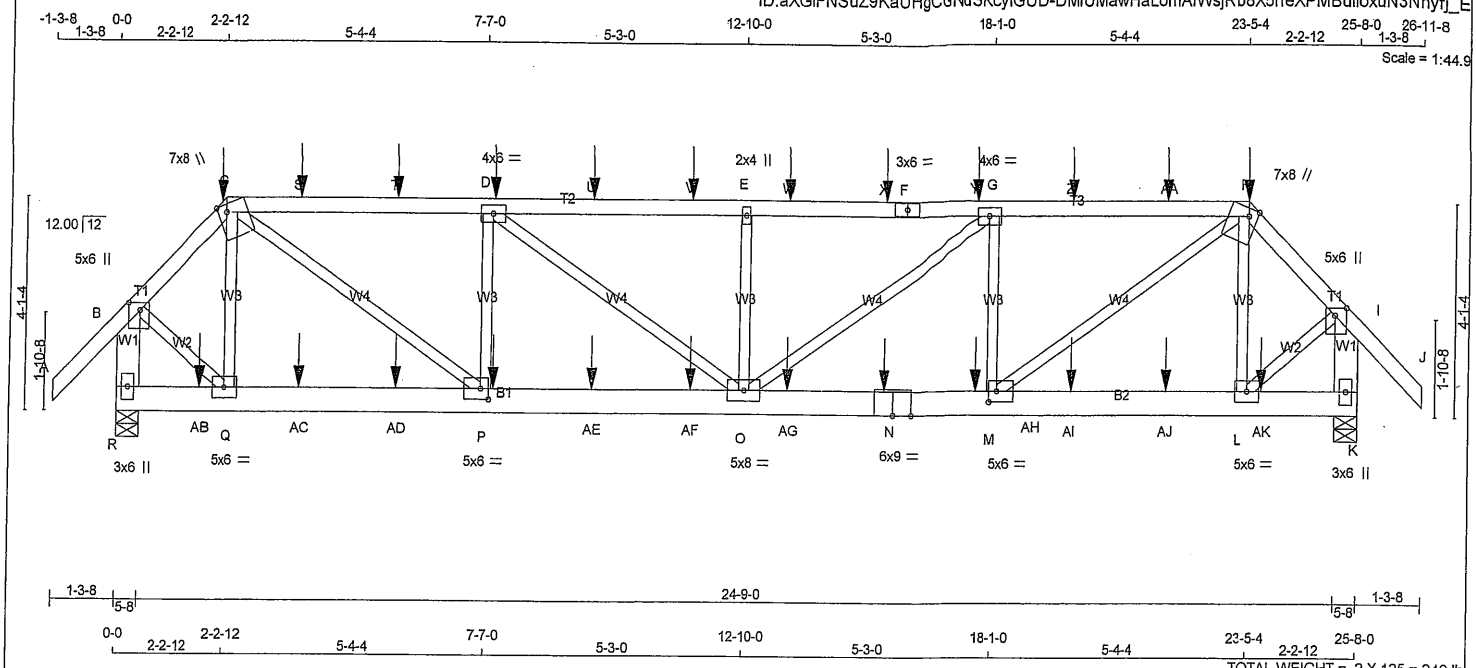

TOTAL WEIGHT = 2 X 125 = 249 lb

[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
F - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	1650F 1.5E	SPF
N - K	2x6	DRY	1650F 1.5E	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- F	1	12	SIDE(61.0)
F- H	1	12	SIDE(61.0)
H- J	1	12	SIDE(61.0)
R- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
R- N	2	12	SIDE(183.1)
N- K	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	5.0	6.0	1.75	2.75
C	TTWW+m	MT20	7.0	8.0	Edge	2.25
D	TMWW-t	MT20	4.0	6.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	6.0		
H	TTWW+m	MT20	7.0	8.0	Edge	2.25
I	TMVW+p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.00
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.00
Q	BMWW-t	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	3266	0	3266	0	0	5-8	5-8
K	3373	0	3373	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	2568	1648 / 0	475 / 0	0 / 0	0 / 0	446 / 0	0 / 0
K	2638	1715 / 0	472 / 0	0 / 0	0 / 0	451 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.49 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.09 (1)	10.00
B- C	-2615 / 0	-122.2	-122.2	0.08 (1)	5.55
C- S	-4682 / 0	-122.2	-122.2	0.57 (1)	3.84
S- T	-4682 / 0	-122.2	-122.2	0.57 (1)	3.84
T- D	-4682 / 0	-122.2	-122.2	0.57 (1)	3.84
D- U	-5528 / 0	-122.2	-122.2	0.62 (1)	3.52
U- V	-5528 / 0	-122.2	-122.2	0.62 (1)	3.52
V- E	-5528 / 0	-122.2	-122.2	0.62 (1)	3.52
E- W	-5528 / 0	-122.2	-122.2	0.63 (1)	3.49
W- X	-5528 / 0	-122.2	-122.2	0.63 (1)	3.49
X- F	-5528 / 0	-122.2	-122.2	0.63 (1)	3.49
F- Y	-5528 / 0	-122.2	-122.2	0.63 (1)	3.49
Y- G	-5528 / 0	-122.2	-122.2	0.63 (1)	3.49
G- Z	-4713 / 0	-122.2	-122.2	0.59 (1)	3.80
Z-AA	-4713 / 0	-122.2	-122.2	0.59 (1)	3.80
AA- H	-4713 / 0	-122.2	-122.2	0.59 (1)	3.80
H- I	-2708 / 0	-122.2	-122.2	0.08 (1)	5.47
I- J	0 / 60	-122.2	-122.2	0.09 (1)	10.00
R- B	-3301 / 0	0.0	0.0	0.13 (1)	7.64
K- I	-3408 / 0	0.0	0.0	0.13 (1)	7.55
R-AB	0 / 0	-28.0	-28.0	0.05 (2)	10.00
AB- Q	0 / 0	-28.0	-28.0	0.05 (2)	10.00
Q-AC	0 / 1813	-28.0	-28.0	0.12 (1)	10.00
AC-AD	0 / 1813	-28.0	-28.0	0.12 (1)	10.00
AD- P	0 / 1813	-28.0	-28.0	0.12 (1)	10.00
P-AE	0 / 4682	-28.0	-28.0	0.24 (1)	10.00
AE-AF	0 / 4682	-28.0	-28.0	0.24 (1)	10.00
AF- O	0 / 4682	-28.0	-28.0	0.24 (1)	10.00
O-AG	0 / 4713	-28.0	-28.0	0.24 (1)	10.00
AG- N	0 / 4713	-28.0	-28.0	0.24 (1)	10.00
N-AH	0 / 4713	-28.0	-28.0	0.24 (1)	10.00
AH- M	0 / 4713	-28.0	-28.0	0.24 (1)	10.00
M-AI	0 / 1877	-28.0	-28.0	0.12 (1)	10.00
AI-AJ	0 / 1877	-28.0	-28.0	0.12 (1)	10.00
AJ- L	0 / 1877	-28.0	-28.0	0.12 (1)	10.00
L-AK	0 / 0	-28.0	-28.0	0.05 (2)	10.00
AK- K	0 / 0	-28.0	-28.0	0.05 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-838 / 0	0.11 (1)
C- P	0 / 3488	0.43 (1)
P- D	-1762 / 0	0.22 (1)
D- O	0 / 1037	0.13 (1)
O- E	-940 / 0	0.12 (1)
O- G	0 / 999	0.12 (1)
M- G	-1737 / 0	0.22 (1)
M- H	0 / 3448	0.43 (1)
L- H	-884 / 0	0.11 (1)
B- Q	0 / 2158	0.27 (1)
L- I	0 / 2235	0.28 (1)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45545-17
STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.63 (E-G:1) , BC=0.24 (M-O:1) , WB=0.43 (C-P:1) , SSI=0.26 (E-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

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= 0.63 (P) (INPUT = 0.90)
JSI METAL= 0.36 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 171.3 lbs FACTORED DOWN AT 2-2-12, 321.1 lbs FACTORED DOWN AT 23-5-4, 147.1 lbs FACTORED DOWN AT 3-8-12, 147.1 lbs FACTORED DOWN AT 5-8-12, 147.1 lbs FACTORED DOWN AT 7-8-12, 147.1 lbs FACTORED DOWN AT 9-8-12, 147.1 lbs FACTORED DOWN AT 11-8-12, 147.1 lbs FACTORED DOWN AT 13-8-12, 147.1 lbs FACTORED DOWN AT 15-8-12, 147.1 lbs FACTORED DOWN AT 17-8-12, AND 147.1 lbs FACTORED DOWN AT 19-8-12, AND 147.1 lbs FACTORED DOWN AT 21-8-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-8-12, 69.9 lbs FACTORED DOWN AT 3-8-12, 69.9 lbs FACTORED DOWN AT 5-8-12, 69.9 lbs FACTORED DOWN AT 7-8-12, 69.9 lbs FACTORED DOWN AT 9-8-12, 69.9 lbs FACTORED DOWN AT 11-8-12, 69.9 lbs FACTORED DOWN AT 13-8-12, 69.9 lbs FACTORED DOWN AT 15-8-12, 69.9 lbs FACTORED DOWN AT 17-8-12, 69.9 lbs FACTORED DOWN AT 19-8-12, AND 69.9 lbs FACTORED DOWN AT 21-8-12, AND 69.9 lbs FACTORED DOWN AT 23-8-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-2-12	-171	-171	---	FRONT	VERT	TOTAL
D	7-8-12	-147	-147	---	FRONT	VERT	TOTAL
H	23-5-4	-321	-321	---	FRONT	VERT	TOTAL
N	15-8-12	-40	-70	---	FRONT	VERT	TOTAL
P	7-8-12	-40	-70	---	FRONT	VERT	TOTAL
S	3-8-12	-147	-147	---	FRONT	VERT	TOTAL
T	5-8-12	-147	-147	---	FRONT	VERT	TOTAL
U	9-8-12	-147	-147	---	FRONT	VERT	TOTAL
V	11-8-12	-147	-147	---	FRONT	VERT	TOTAL
W	13-8-12	-147	-147	---	FRONT	VERT	TOTAL
X	15-8-12	-147	-147	---	FRONT	VERT	TOTAL
Y	17-8-12	-147	-147	---	FRONT	VERT	TOTAL
Z	19-8-12	-147	-147	---	FRONT	VERT	TOTAL
AA	21-8-12	-147	-147	---	FRONT	VERT	TOTAL
AB	1-8-12	-40	-70	---	FRONT	VERT	TOTAL
AC	3-8-12	-40	-70	---	FRONT	VERT	TOTAL
AD	5-8-12	-40	-70	---	FRONT	VERT	TOTAL
AE	9-8-12	-40	-70	---	FRONT	VERT	TOTAL
AF	11-8-12	-40	-70	---	FRONT	VERT	TOTAL
AG	13-8-12	-40	-70	---	FRONT	VERT	TOTAL
AH	17-8-12	-40	-70	---	FRONT	VERT	TOTAL
AI	19-8-12	-40	-70	---	FRONT	VERT	TOTAL
AJ	21-8-12	-40	-70	---	FRONT	VERT	TOTAL
AK	23-8-12	-40	-70	---	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45545 - 17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T1Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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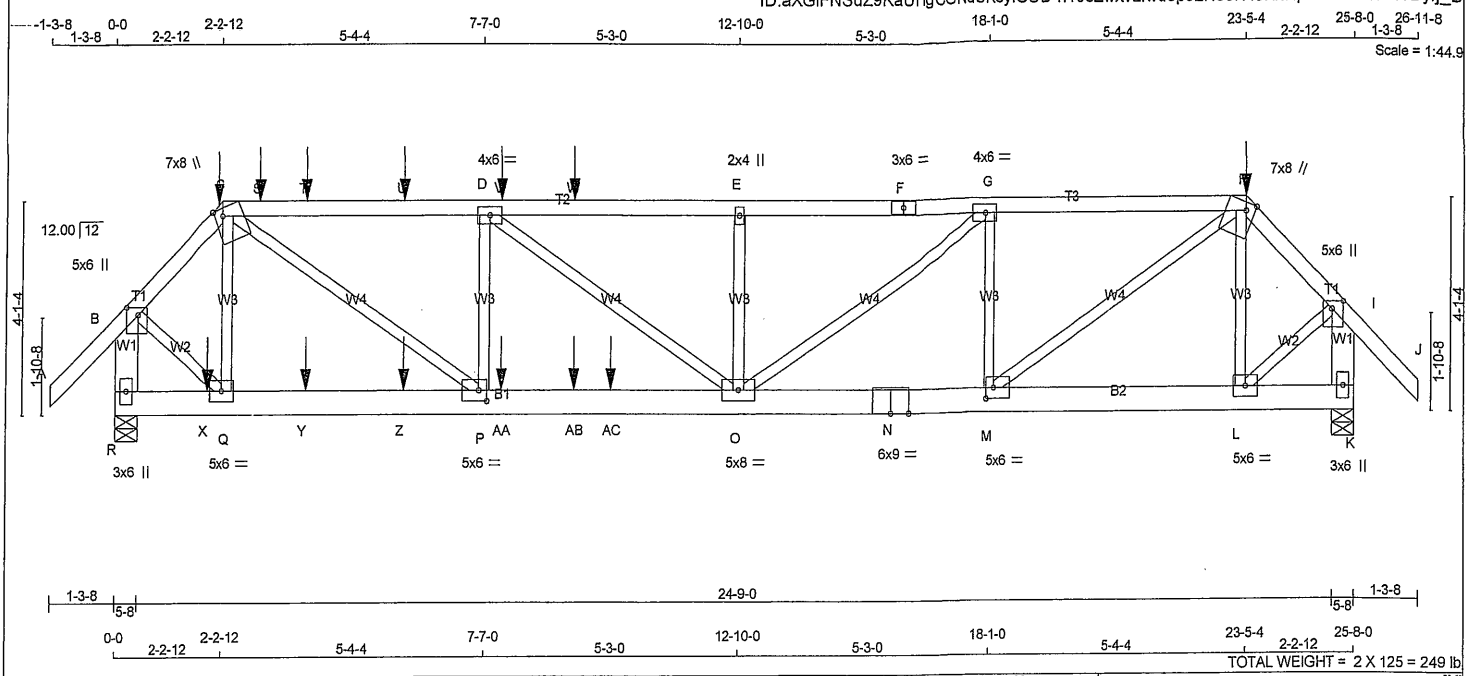

TOTAL WEIGHT = 2 X 125 = 249 lb

[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
F - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	1650F 1.5E	SPF
N - K	2x6	DRY	1650F 1.5E	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- F	1	12	SIDE(61.0)
F- H	1	12	SIDE(61.0)
H- J	1	12	SIDE(61.0)
R- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
R- N	2	12	SIDE(0.0)
N- K	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	1.75	2.75
C	TTWW+m	MT20	7.0	8.0	Edge	2.25
D	TMWW-t	MT20	4.0	6.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	6.0		
H	TTWW+m	MT20	7.0	8.0	Edge	2.25
I	TMVW+p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.00
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.00
Q	BMWW-t	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	4222	0	4222	0	0	5-8	5-8
K	3216	0	3216	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	3267	2186 / 0	544 / 0	0 / 0	0 / 0	536 / 0	0 / 0
K	2481	1674 / 0	406 / 0	0 / 0	0 / 0	402 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.02 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.

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 / 60	-122.2	-122.2	0.09 (1)	10.00
B- C	-3379 / 0	-122.2	-122.2	0.10 (1)	5.01
C- S	-6413 / 0	-122.2	-122.2	0.72 (1)	3.16
S- T	-6413 / 0	-122.2	-122.2	0.72 (1)	3.16
T- U	-6413 / 0	-122.2	-122.2	0.72 (1)	3.16
U- D	-6413 / 0	-122.2	-122.2	0.72 (1)	3.16
D- V	-6894 / 0	-122.2	-122.2	0.75 (1)	3.02
V- W	-6894 / 0	-122.2	-122.2	0.75 (1)	3.02
W- E	-6894 / 0	-122.2	-122.2	0.75 (1)	3.02
E- F	-6894 / 0	-122.2	-122.2	0.54 (1)	3.32
F- G	-6894 / 0	-122.2	-122.2	0.54 (1)	3.32
G- H	-4823 / 0	-122.2	-122.2	0.41 (1)	4.02
H- I	-2589 / 0	-122.2	-122.2	0.08 (1)	5.57
I- J	0 / 60	-122.2	-122.2	0.09 (1)	10.00
R- B	-4177 / 0	0.0	0.0	0.16 (1)	6.99
K- I	-3271 / 0	0.0	0.0	0.13 (1)	7.68
R- X	0 / 0	-28.0	-28.0	0.03 (3)	10.00
X- Q	0 / 0	-28.0	-28.0	0.03 (3)	10.00
Q- Y	0 / 2334	-28.0	-28.0	0.26 (1)	10.00
Y- Z	0 / 2334	-28.0	-28.0	0.26 (1)	10.00
Z- P	0 / 2334	-28.0	-28.0	0.26 (1)	10.00
P-AA	0 / 6413	-28.0	-28.0	0.73 (1)	10.00
AA-AB	0 / 6413	-28.0	-28.0	0.73 (1)	10.00
AB-AC	0 / 6413	-28.0	-28.0	0.73 (1)	10.00
AC- O	0 / 6413	-28.0	-28.0	0.73 (1)	10.00
O- N	0 / 4823	-28.0	-28.0	0.35 (1)	10.00
N- M	0 / 4823	-28.0	-28.0	0.35 (1)	10.00
M- L	0 / 1794	-28.0	-28.0	0.13 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.05 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-1418 / 0	0.18 (1)
C- P	0 / 4959	0.61 (1)
P- D	-1540 / 0	0.20 (1)
D- O	0 / 590	0.07 (1)
O- E	-604 / 0	0.08 (1)
O- G	0 / 2541	0.31 (1)
M- G	-2185 / 0	0.28 (1)
M- H	0 / 3681	0.46 (1)
L- H	-847 / 0	0.11 (1)
B- Q	0 / 2789	0.35 (1)
L- I	0 / 2136	0.26 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-2-12	-171	-171	---	FRONT	VERT	TOTAL
C	2-2-12	-150	-150	---	BACK	VERT	TOTAL
H	23-5-4	-171	-171	---	FRONT	VERT	TOTAL
S	3-0-0	-171	-171	---	FRONT	VERT	TOTAL
T	3-11-4	-147	-147	---	BACK	VERT	TOTAL
U	5-11-4	-147	-147	---	BACK	VERT	TOTAL
V	7-11-4	-147	-147	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER 9162 S. KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 45546

STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 960 (0.32")

CSI: TC=0.75 (D-E:1) , BC=0.73 (O-P:1) , WB=0.61 (C-P:1) , SSI=0.34 (O-P: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= 0.90 (P) (INPUT = 0.90)
JSI METAL= 0.85 (N) (INPUT = 1.00)

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CONTINUED ON PAGE 2

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 171.3 lbs FACTORED DOWN AT 3-0-0, 171.3 lbs FACTORED DOWN AT 2-2-12, 171.3 lbs FACTORED DOWN AT 23-5-4, 149.8 lbs FACTORED DOWN AT 2-2-12, 147.1 lbs FACTORED DOWN AT 3-11-4, 147.1 lbs FACTORED DOWN AT 5-11-4, AND 147.1 lbs FACTORED DOWN AT 7-11-4, AND 147.1 lbs FACTORED DOWN AT 9-5-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-11-4, 69.9 lbs FACTORED DOWN AT 3-11-4, 69.9 lbs FACTORED DOWN AT 5-11-4, 69.9 lbs FACTORED DOWN AT 7-11-4, AND 69.9 lbs FACTORED DOWN AT 9-5-4, AND 1789.5 lbs FACTORED DOWN AT 10-2-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
W	9-5-4	-147	-147	—	BACK	VERT	TOTAL
X	1-11-4	-40	-70	—	BACK	VERT	TOTAL
Y	3-11-4	-40	-70	—	BACK	VERT	TOTAL
Z	5-11-4	-40	-70	—	BACK	VERT	TOTAL
AA	7-11-4	-40	-70	—	BACK	VERT	TOTAL
AB	9-5-4	-40	-70	—	BACK	VERT	TOTAL
AC	10-2-8	-1789	-1789	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45546-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272289	T1Z1	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:aXGiFNSuZ9KaUHgCGNd3KcylGUD-FKYAbXBaYpME6PJoACS_cX1bXn3VDHJJxUASRRyfixJ

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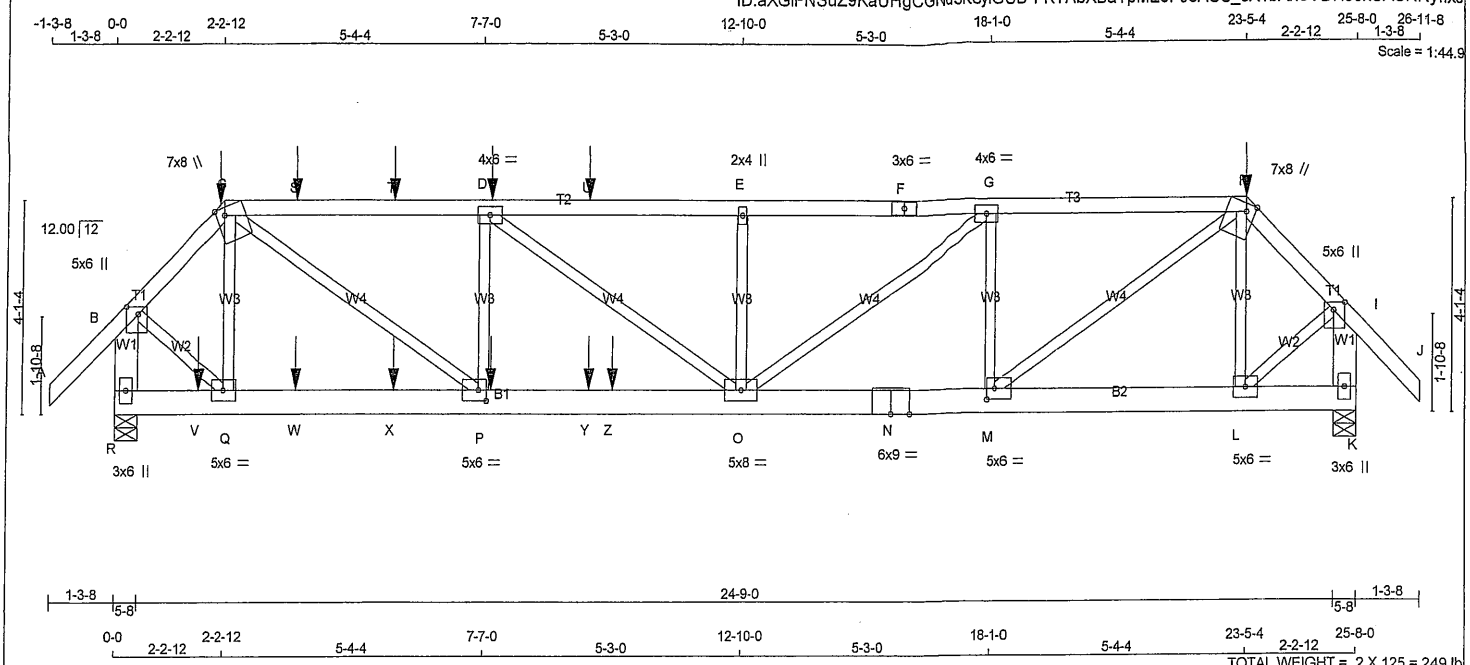

TOTAL WEIGHT = 2 X 125 = 249 lb

[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
F - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	1650F 1.5E	SPF
N - K	2x6	DRY	1650F 1.5E	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- F	1	12	SIDE(61.0)
F- H	1	12	SIDE(61.0)
H- J	1	12	SIDE(61.0)
R- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
R- N	2	12	SIDE(183.1)
N- K	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	1.75	2.75
C	TTWW+m	MT20	7.0	8.0	Edge	2.25
D	TMWW-t	MT20	4.0	6.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	6.0		
H	TTWW+m	MT20	7.0	8.0	Edge	2.25
I	TMVW+p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.00
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.00
Q	BMWW-t	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	3921	0	3921	0	0	5-8	5-8
K	3168	0	3168	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	3047	2018 / 0	522 / 0	0 / 0	0 / 0	507 / 0	0 / 0
K	2446	1648 / 0	401 / 0	0 / 0	0 / 0	397 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.15 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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.09 (1)	10.00
B- C	-3118 / 0	-122.2	-122.2	0.09 (1)	5.18
C- S	-6185 / 0	-122.2	-122.2	0.65 (1)	3.32
S- T	-6185 / 0	-122.2	-122.2	0.65 (1)	3.32
T- D	-6185 / 0	-122.2	-122.2	0.65 (1)	3.32
D- U	-6730 / 0	-122.2	-122.2	0.69 (1)	3.15
U- E	-6730 / 0	-122.2	-122.2	0.69 (1)	3.15
E- F	-6730 / 0	-122.2	-122.2	0.53 (1)	3.37
F- G	-6730 / 0	-122.2	-122.2	0.53 (1)	3.37
G- H	-4727 / 0	-122.2	-122.2	0.40 (1)	4.06
H- I	-2546 / 0	-122.2	-122.2	0.08 (1)	5.61
I- J	0 / 60	-122.2	-122.2	0.09 (1)	10.00
R- B	-3877 / 0	0.0	0.0	0.15 (1)	7.19
K- I	-3222 / 0	0.0	0.0	0.12 (1)	7.71
R- V	0 / 0	-28.0	-28.0	0.03 (3)	10.00
V- Q	0 / 0	-28.0	-28.0	0.03 (3)	10.00
Q- W	0 / 2153	-28.0	-28.0	0.25 (1)	10.00
W- X	0 / 2153	-28.0	-28.0	0.25 (1)	10.00
X- P	0 / 2153	-28.0	-28.0	0.25 (1)	10.00
P- Y	0 / 6186	-28.0	-28.0	0.72 (1)	10.00
Y- Z	0 / 6186	-28.0	-28.0	0.72 (1)	10.00
Z- O	0 / 6186	-28.0	-28.0	0.72 (1)	10.00
O- N	0 / 4727	-28.0	-28.0	0.35 (1)	10.00
N- M	0 / 4727	-28.0	-28.0	0.35 (1)	10.00
M- L	0 / 1765	-28.0	-28.0	0.13 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.05 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- Q	-1296 / 0	0.16 (1)
C- P	0 / 4902	0.61 (1)
P- D	-1528 / 0	0.19 (1)
D- O	0 / 668	0.08 (1)
O- E	-616 / 0	0.08 (1)
O- G	0 / 2458	0.30 (1)
M- G	-2135 / 0	0.27 (1)
M- H	0 / 3600	0.45 (1)
L- H	-831 / 0	0.11 (1)
B- Q	0 / 2573	0.32 (1)
L- I	0 / 2101	0.26 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	2-2-12	-171	-171	---	FRONT	VERT	TOTAL
D	7-8-12	-147	-147	---	FRONT	VERT	TOTAL
H	23-5-4	-171	-171	---	FRONT	VERT	TOTAL
P	7-8-12	-40	-70	---	FRONT	VERT	TOTAL
S	3-8-12	-147	-147	---	FRONT	VERT	TOTAL
T	5-8-12	-147	-147	---	FRONT	VERT	TOTAL
U	9-8-12	-147	-147	---	FRONT	VERT	TOTAL
V	1-8-12	-40	-70	---	FRONT	VERT	TOTAL
W	3-8-12	-40	-70	---	FRONT	VERT	TOTAL
X	5-8-12	-40	-70	---	FRONT	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	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 983 (0.31")

CSI: TC=0.69 (D-E:1) , BC=0.72 (O-P:1) , WB=0.61 (C-P:1) , SSI=0.33 (O-P: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= 0.89 (P) (INPUT = 0.90)
JSI METAL= 0.83 (N) (INPUT = 1.00)

PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45558-17

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 171.3 lbs FACTORED DOWN AT 2-2-12, 171.3 lbs FACTORED DOWN AT 23-5-4, 147.1 lbs FACTORED DOWN AT 3-8-12, 147.1 lbs FACTORED DOWN AT 5-8-12, AND 147.1 lbs FACTORED DOWN AT 7-8-12, AND 147.1 lbs FACTORED DOWN AT 9-8-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-8-12, 69.9 lbs FACTORED DOWN AT 3-8-12, 69.9 lbs FACTORED DOWN AT 5-8-12, 69.9 lbs FACTORED DOWN AT 7-8-12, AND 69.9 lbs FACTORED DOWN AT 9-8-12, AND 1762.4 lbs FACTORED DOWN AT 10-2-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Y	9-8-12	-40	-70	—	FRONT	VERT	TOTAL
Z	10-2-8	-1762	-1762	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45558-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272327	T1Z3	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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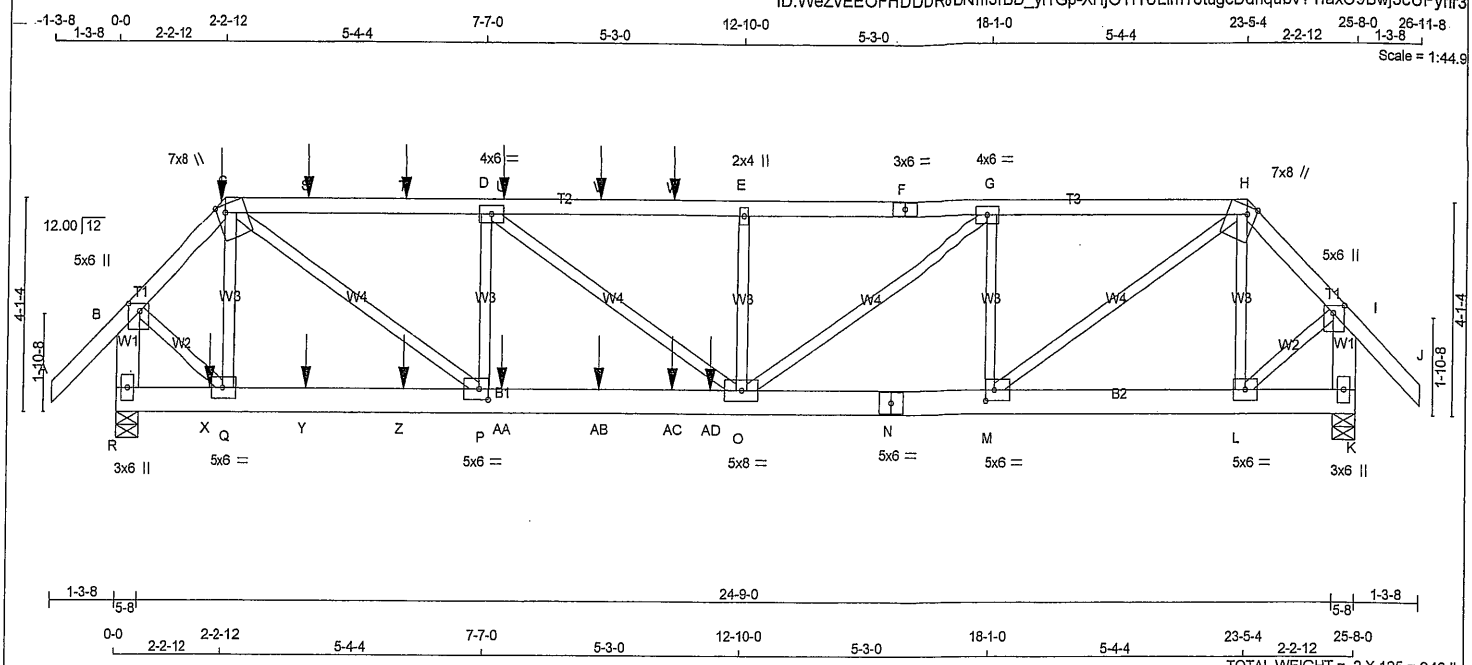

TOTAL WEIGHT = 2 X 125 = 249 lb

[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
F - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	1650F 1.5E	SPF
N - K	2x6	DRY	1650F 1.5E	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- F	1	12	SIDE(61.0)
F- H	1	12	TOP
H- J	1	12	TOP
R- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
R- N	2	12	SIDE(0.0)
N- K	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	1.75	2.75
C	TTWW+m	MT20	7.0	8.0	Edge	2.25
D	TMWW-t	MT20	4.0	6.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	6.0		
H	TTWW+m	MT20	7.0	8.0	Edge	2.25
I	TMVW+p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.25
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.25
Q	BMWW-t	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	3983	0	3983	0	0	5-8	5-8
K	3194	0	3194	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	3085	2059 / 0	518 / 0	0 / 0	0 / 0	509 / 0	0 / 0
K	2462	1665 / 0	400 / 0	0 / 0	0 / 0	397 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.09 (1)	10.00
B- C	-3230 / 0	-122.2	-122.2	0.09 (1)	5.10
C- S	-5923 / 0	-122.2	-122.2	0.69 (1)	3.31
S- T	-5923 / 0	-122.2	-122.2	0.69 (1)	3.31
T- D	-5923 / 0	-122.2	-122.2	0.69 (1)	3.31
D- U	-7223 / 0	-122.2	-122.2	0.79 (1)	2.91
U- V	-7223 / 0	-122.2	-122.2	0.79 (1)	2.91
V- W	-7223 / 0	-122.2	-122.2	0.79 (1)	2.91
W- E	-7223 / 0	-122.2	-122.2	0.79 (1)	2.91
E- F	-7223 / 0	-122.2	-122.2	0.55 (1)	3.25
F- G	-7223 / 0	-122.2	-122.2	0.55 (1)	3.25
G- H	-5044 / 0	-122.2	-122.2	0.41 (1)	3.96
H- I	-2562 / 0	-122.2	-122.2	0.08 (1)	5.60
I- J	0 / 60	-122.2	-122.2	0.09 (1)	10.00
R- B	-4005 / 0	0.0	0.0	0.15 (1)	7.10
K- I	-3241 / 0	0.0	0.0	0.13 (1)	7.70
R- X	0 / 0	-28.0	-28.0	0.04 (2)	10.00
X- Q	0 / 0	-28.0	-28.0	0.04 (2)	10.00
Q- Y	0 / 2236	-28.0	-28.0	0.13 (1)	10.00
Y- Z	0 / 2236	-28.0	-28.0	0.13 (1)	10.00
Z- P	0 / 2236	-28.0	-28.0	0.13 (1)	10.00
P-AA	0 / 5924	-28.0	-28.0	0.43 (1)	10.00
AA-AB	0 / 5924	-28.0	-28.0	0.43 (1)	10.00
AB-AC	0 / 5924	-28.0	-28.0	0.43 (1)	10.00
AC-AD	0 / 5924	-28.0	-28.0	0.43 (1)	10.00
AD- O	0 / 5924	-28.0	-28.0	0.43 (1)	10.00
O- N	0 / 5044	-28.0	-28.0	0.27 (1)	10.00
N- M	0 / 5044	-28.0	-28.0	0.27 (1)	10.00
M- L	0 / 1775	-28.0	-28.0	0.12 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.05 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-1159 / 0	0.15 (1)
C- P	0 / 4483	0.55 (1)
P- D	-2115 / 0	0.27 (1)
D- O	0 / 1594	0.20 (1)
O- E	-753 / 0	0.10 (1)
O- G	0 / 2673	0.33 (1)
M- G	-2241 / 0	0.28 (1)
M- H	0 / 3973	0.49 (1)
L- H	-865 / 0	0.11 (1)
B- Q	0 / 2665	0.33 (1)
L- I	0 / 2115	0.26 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-2-12	-228	-228	---	FRONT	VERT	TOTAL
C	2-2-12	-150	-150	---	BACK	VERT	TOTAL
S	3-11-4	-147	-147	---	BACK	VERT	TOTAL
T	5-11-4	-147	-147	---	BACK	VERT	TOTAL
U	7-11-4	-147	-147	---	BACK	VERT	TOTAL
V	9-11-4	-147	-147	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/1/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

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	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.28")

CSI: TC=0.79 (D-E:1) , BC=0.43 (O-P:1) , WB=0.55 (C-P:1) , SSI=0.52 (O-P: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= 0.85 (M) (INPUT = 0.90)
JSI METAL= 0.61 (N) (INPUT = 1.00)

DWG NO. TAM45560-17
STRUCTURAL

CONTINUED ON PAGE 2

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 227.6 lbs FACTORED DOWN AT 2-2-12, 149.8 lbs FACTORED DOWN AT 2-2-12, 147.1 lbs FACTORED DOWN AT 3-11-4, 147.1 lbs FACTORED DOWN AT 5-11-4, 147.1 lbs FACTORED DOWN AT 7-11-4, AND 147.1 lbs FACTORED DOWN AT 9-11-4, AND 147.1 lbs FACTORED DOWN AT 11-5-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-11-4, 69.9 lbs FACTORED DOWN AT 3-11-4, 69.9 lbs FACTORED DOWN AT 5-11-4, 69.9 lbs FACTORED DOWN AT 7-11-4, 69.9 lbs FACTORED DOWN AT 9-11-4, AND 69.9 lbs FACTORED DOWN AT 11-5-4, AND 1628.1 lbs FACTORED DOWN AT 12-2-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
W	11-5-4	-147	-147	—	BACK	VERT	TOTAL
X	1-11-4	-40	-70	—	BACK	VERT	TOTAL
Y	3-11-4	-40	-70	—	BACK	VERT	TOTAL
Z	5-11-4	-40	-70	—	BACK	VERT	TOTAL
AA	7-11-4	-40	-70	—	BACK	VERT	TOTAL
AB	9-11-4	-40	-70	—	BACK	VERT	TOTAL
AC	11-5-4	-40	-70	—	BACK	VERT	TOTAL
AD	12-2-8	-1628	-1628	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM45560-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T2	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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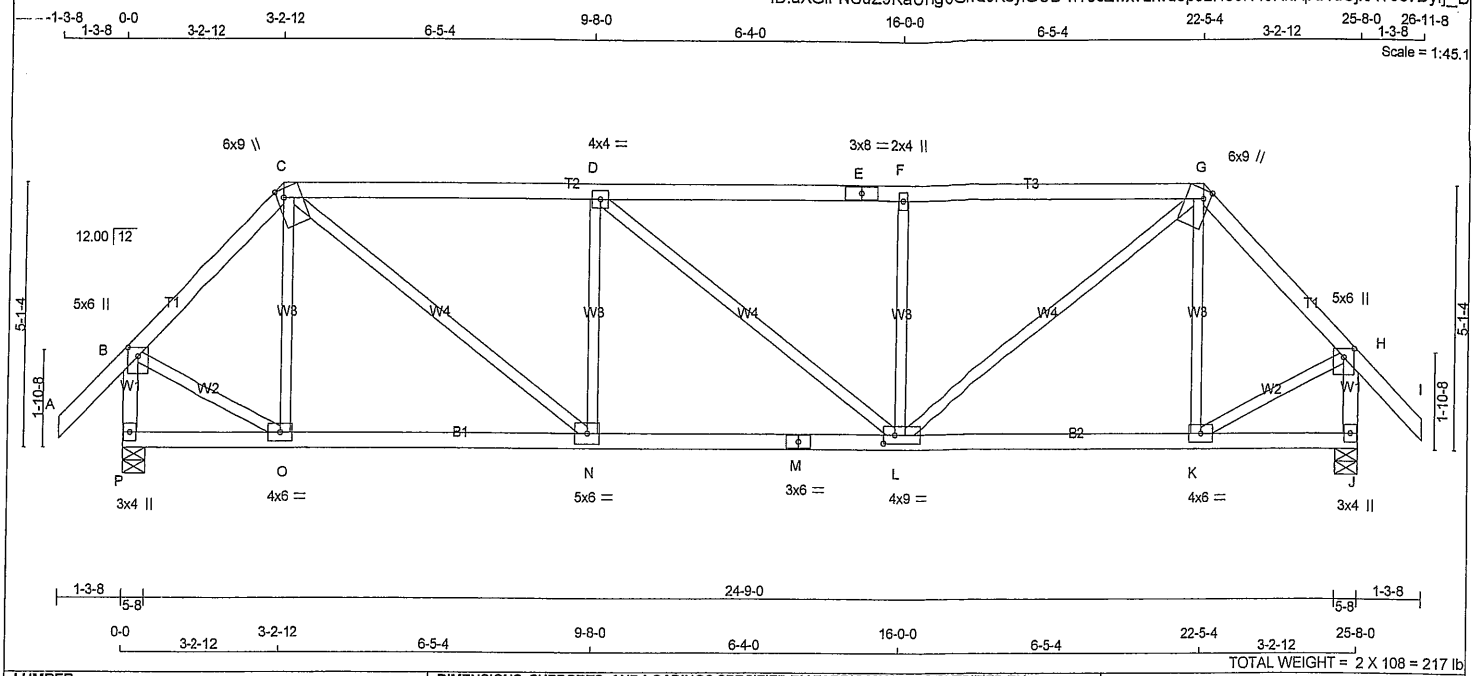

TOTAL WEIGHT = 2 X 108 = 217 lb

[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
G - I	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - J	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	2.00	2.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	8.0		
F	TMW+w	MT20	2.0	4.0		
G	TTWW+m	MT20	6.0	9.0	Edge	1.75
H	TMVW+p	MT20	5.0	6.0	2.00	2.50
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMWWW-t	MT20	4.0	9.0	2.00	2.75
M	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	5.0	6.0		
O	BMWW-t	MT20	4.0	6.0		
P	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
P	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.15 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 (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-1654 / 0	-122.2	-122.2	0.27 (1)	4.88
C- D	-2531 / 0	-122.2	-122.2	0.95 (1)	3.15
D- E	-2530 / 0	-122.2	-122.2	0.94 (1)	3.15
E- F	-2530 / 0	-122.2	-122.2	0.94 (1)	3.15
F- G	-2530 / 0	-122.2	-122.2	0.94 (1)	3.16
G- H	-1655 / 0	-122.2	-122.2	0.27 (1)	4.88
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00
P- B	-2075 / 0	0.0	0.0	0.23 (1)	5.87
J- H	-2075 / 0	0.0	0.0	0.23 (1)	5.87
P- O	0 / 0	-28.0	-28.0	0.18 (2)	10.00
O- N	0 / 1156	-28.0	-28.0	0.34 (2)	10.00
N- M	0 / 2532	-28.0	-28.0	0.52 (1)	10.00
M- L	0 / 2532	-28.0	-28.0	0.52 (1)	10.00
L- K	0 / 1156	-28.0	-28.0	0.34 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.18 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- C	-374 / 61	0.14 (1)
C- N	0 / 1713	0.39 (1)
N- D	-843 / 0	0.32 (1)
D- L	-2 / 0	0.00 (1)
L- F	-843 / 0	0.32 (1)
L- G	0 / 1711	0.38 (1)
K- G	-373 / 61	0.14 (1)
B- O	0 / 1280	0.29 (1)
K- H	0 / 1280	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.95 (C-D:1) , BC=0.52 (L-N:1) , WB=0.39 (C-N:1) , SSI=0.37 (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= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.73 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9117
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45547-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T3	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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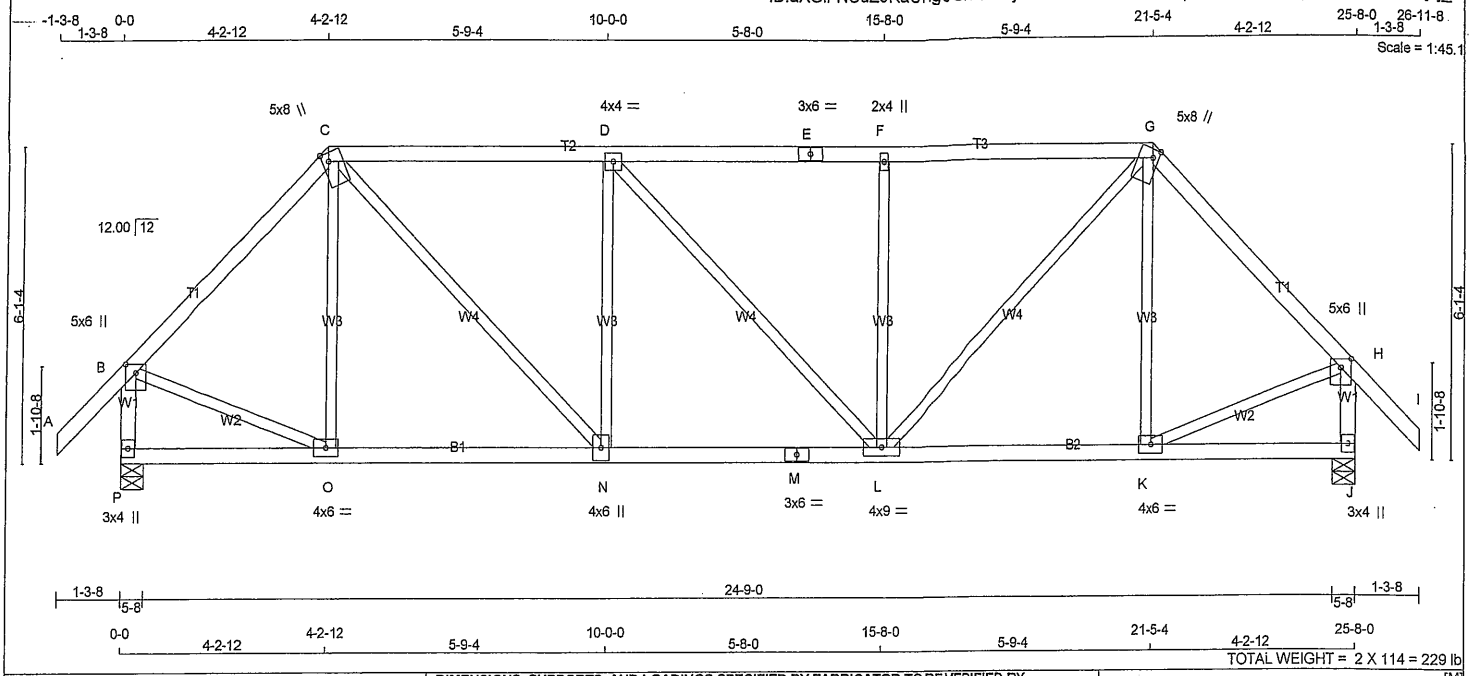

TOTAL WEIGHT = 2 X 114 = 229 lb

[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
G - I	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - J	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	2.00	2.50
C	TTWW+m	MT20	5.0	8.0	2.00	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	TTWW+m	MT20	5.0	8.0	2.00	1.50
H	TMVW+p	MT20	5.0	6.0	2.00	2.50
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BS-t	MT20	3.0	6.0		
N	BMWW+t	MT20	4.0	6.0		
O	BMWW-t	MT20	4.0	6.0		
P	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
P	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.85 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 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-1697 / 0	-122.2	-122.2	0.47 (1)	4.58
C- D	-2103 / 0	-122.2	-122.2	0.69 (1)	3.85
D- E	-2101 / 0	-122.2	-122.2	0.68 (1)	3.85
E- F	-2101 / 0	-122.2	-122.2	0.68 (1)	3.85
F- G	-2101 / 0	-122.2	-122.2	0.68 (1)	3.86
G- H	-1698 / 0	-122.2	-122.2	0.47 (1)	4.57
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00
P- B	-2054 / 0	0.0	0.0	0.23 (1)	5.90
J- H	-2054 / 0	0.0	0.0	0.23 (1)	5.90
P- O	0 / 0	-28.0	-28.0	0.17 (2)	10.00
O- N	0 / 1191	-28.0	-28.0	0.30 (2)	10.00
N- M	0 / 2103	-28.0	-28.0	0.43 (1)	10.00
M- L	0 / 2103	-28.0	-28.0	0.43 (1)	10.00
L- K	0 / 1192	-28.0	-28.0	0.29 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.17 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- C	-263 / 109	0.15 (1)
C- N	0 / 1291	0.29 (1)
N- D	-754 / 0	0.44 (1)
D- L	-3 / 0	0.00 (1)
L- F	-754 / 0	0.44 (1)
L- G	0 / 1287	0.29 (1)
K- G	-262 / 109	0.15 (1)
B- O	0 / 1268	0.29 (1)
K- H	0 / 1268	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.69 (C-D:1) , BC=0.43 (L-N:1) , WB=0.44 (D-N:1) , SSI=0.33 (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= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.60 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45548-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T4	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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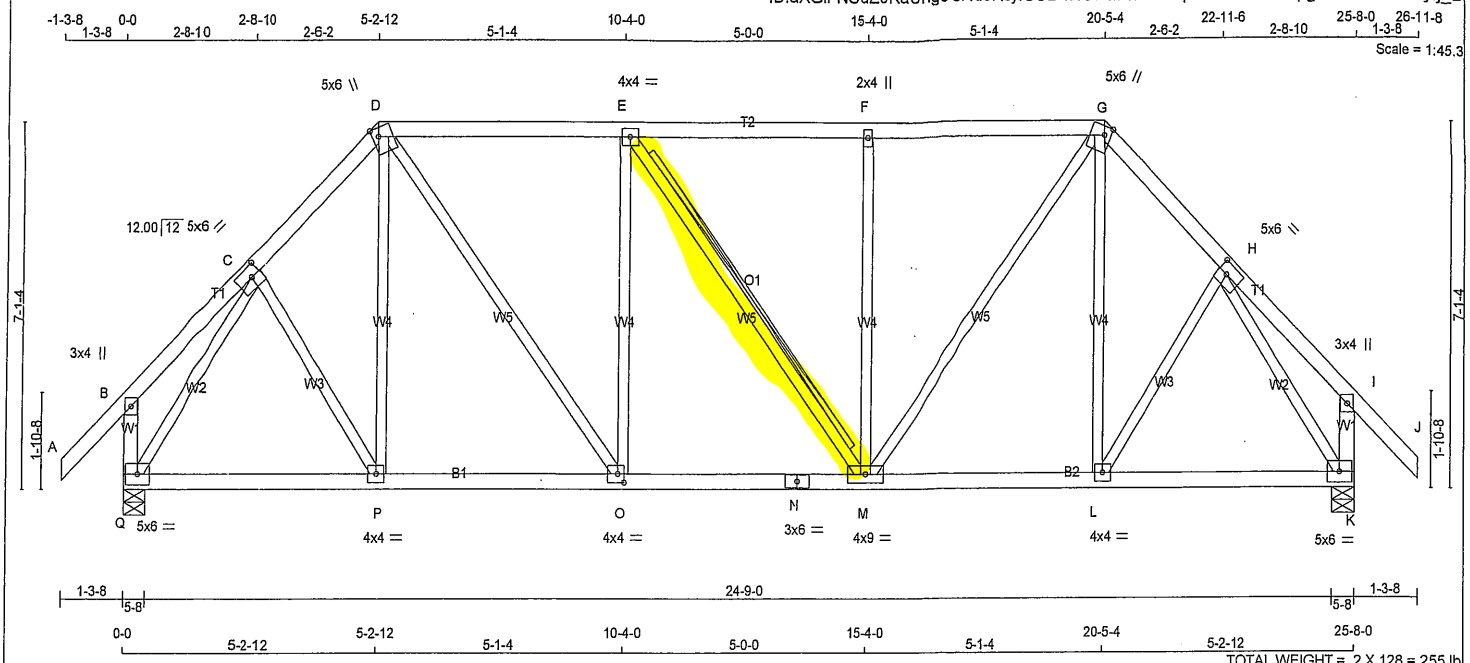

TOTAL WEIGHT = 2 X 128 = 255 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
Q - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
ALL WEBS 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	2.50	2.25
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMWW-t	MT20	4.0	4.0		
F	TMW+w	MT20	2.0	4.0		
G	TTWW+m	MT20	5.0	6.0	2.00	1.50
H	TMWW-t	MT20	5.0	6.0	2.50	2.25
I	TMV+p	MT20	3.0	4.0		
K	BMVW1-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWWW-t	MT20	4.0	9.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0	2.00	1.50
P	BMWW-t	MT20	4.0	4.0		
Q	BMVW1-t	MT20	5.0	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
Q	2098	0	2098	0	0	5-8	5-8
K	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
K	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

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

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

2x3 DRY SPF No.2 T-BRACE AT E-M

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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 / 60	-122.2	-122.2	0.17 (1)	10.00	
B- C	0 / 22	-122.2	-122.2	0.11 (1)	10.00	
C- D	-1722 / 0	-122.2	-122.2	0.15 (1)	4.94	
D- E	-1798 / 0	-122.2	-122.2	0.50 (1)	4.38	
E- F	-1797 / 0	-122.2	-122.2	0.50 (1)	4.38	
F- G	-1796 / 0	-122.2	-122.2	0.49 (1)	4.41	
G- H	-1722 / 0	-122.2	-122.2	0.15 (1)	4.94	
H- I	0 / 22	-122.2	-122.2	0.11 (1)	10.00	
I- J	0 / 60	-122.2	-122.2	0.17 (1)	10.00	
Q- B	-297 / 0	0.0	0.0	0.03 (1)	7.81	
K- I	-297 / 0	0.0	0.0	0.03 (1)	7.81	
Q- P	0 / 1093	-28.0	-28.0	0.29 (2)	10.00	
P- O	0 / 1196	-28.0	-28.0	0.31 (2)	10.00	
O- N	0 / 1799	-28.0	-28.0	0.36 (1)	10.00	
N- M	0 / 1799	-28.0	-28.0	0.36 (1)	10.00	
M- L	0 / 1196	-28.0	-28.0	0.31 (2)	10.00	
L- K	0 / 1093	-28.0	-28.0	0.29 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- P	0 / 183	0.04 (1)
P- D	0 / 166	0.04 (3)
D- O	0 / 1003	0.23 (1)
O- E	-665 / 0	0.58 (1)
E- M	-4 / 0	0.00 (1)
M- F	-664 / 0	0.58 (1)
M- G	0 / 999	0.22 (1)
L- G	0 / 166	0.04 (3)
L- H	0 / 183	0.04 (1)
Q- C	-2056 / 0	0.78 (1)
H- K	-2056 / 0	0.78 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.50 (D-E:1) , BC=0.36 (M-O:1) , WB=0.78 (H-K:1) , SSI=0.29 (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= 0.90 (H) (INPUT = 0.90)
JSI METAL= 0.51 (H) (INPUT = 0.60)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45549-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T5	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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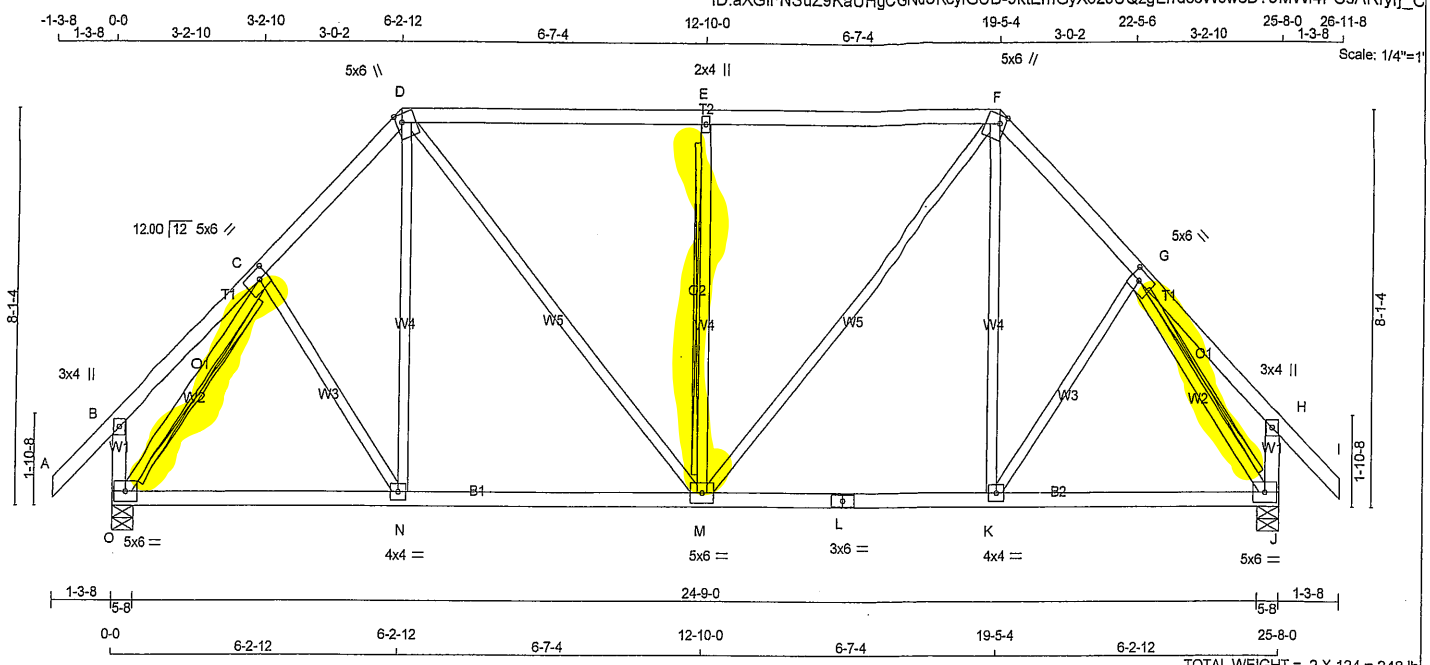

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x4	DRY	1650F 1.5E	SPF
F - I	2x4	DRY	1650F 1.5E	SPF
O - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
L - J	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	2.50	2.25
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.00	1.50
G	TMWW-t	MT20	5.0	6.0	2.50	2.25
H	TMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	5.0	6.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMVW1-t	MT20	5.0	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
O	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.21 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.

2x3 DRY SPF No.2 T-BRACE AT E-M, C-O, G-J

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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 / 60	-122.2	-122.2	0.14 (1)	10.00
B- C	0 / 28	-122.2	-122.2	0.14 (1)	10.00
C- D	-1709 / 0	-122.2	-122.2	0.16 (1)	5.51
D- E	-1676 / 0	-122.2	-122.2	0.85 (1)	4.21
E- F	-1676 / 0	-122.2	-122.2	0.85 (1)	4.21
F- G	-1709 / 0	-122.2	-122.2	0.16 (1)	5.51
G- H	0 / 28	-122.2	-122.2	0.14 (1)	10.00
H- I	0 / 60	-122.2	-122.2	0.14 (1)	10.00
O- B	-318 / 0	0.0	0.0	0.04 (1)	7.81
J- H	-318 / 0	0.0	0.0	0.04 (1)	7.81
O- N	0 / 1143	-28.0	-28.0	0.40 (2)	10.00
N- M	0 / 1185	-28.0	-28.0	0.41 (2)	10.00
M- L	0 / 1185	-28.0	-28.0	0.41 (2)	10.00
L- K	0 / 1185	-28.0	-28.0	0.41 (2)	10.00
K- J	0 / 1143	-28.0	-28.0	0.40 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	0 / 121	0.03 (3)
N- D	0 / 258	0.06 (2)
D- M	0 / 760	0.17 (1)
M- E	-988 / 0	0.98 (1)
M- F	0 / 760	0.17 (1)
K- F	0 / 258	0.06 (2)
K- G	0 / 121	0.03 (3)
O- C	-2057 / 0	0.85 (1)
G- J	-2057 / 0	0.85 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.85 (E-F:1) , BC=0.41 (K-M:2) , WB=0.98 (E-M:1) , SSI=0.39 (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 (J) (INPUT = 0.90)
JSI METAL= 0.50 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/14/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45550-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T6	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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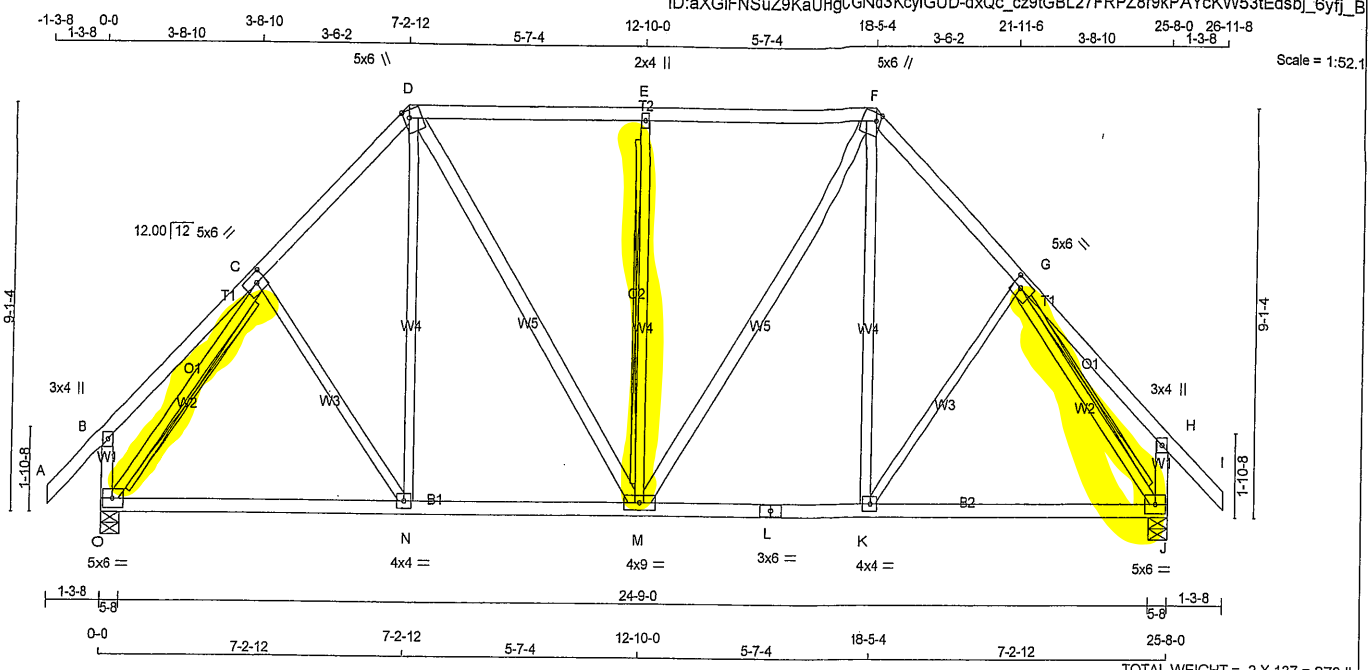

TOTAL WEIGHT = 2 X 137 = 273 lb

[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 - I	2x4	DRY	No.2	SPF
O - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
D - M	2x4	DRY	No.2	SPF
M - F	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	2.50	2.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.00	1.50
G	TMWW-t	MT20	5.0	6.0	2.50	2.50
H	TMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	9.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMVW1-t	MT20	5.0	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
O	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.74 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.

2x4 DRY SPF No.2 T-BRACE AT E-M, C-O, G-J

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	0 / 35	-122.2	-122.2	0.25 (1)	10.00
C- D	-1673 / 0	-122.2	-122.2	0.23 (1)	4.93
D- E	-1459 / 0	-122.2	-122.2	0.52 (1)	4.74
E- F	-1459 / 0	-122.2	-122.2	0.52 (1)	4.74
F- G	-1673 / 0	-122.2	-122.2	0.23 (1)	4.93
G- H	0 / 35	-122.2	-122.2	0.25 (1)	10.00
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00
O- B	-339 / 0	0.0	0.0	0.04 (1)	7.81
J- H	-339 / 0	0.0	0.0	0.04 (1)	7.81
O- N	0 / 1175	-28.0	-28.0	0.45 (2)	10.00
N- M	0 / 1157	-28.0	-28.0	0.46 (2)	10.00
M- L	0 / 1157	-28.0	-28.0	0.46 (2)	10.00
L- K	0 / 1157	-28.0	-28.0	0.46 (2)	10.00
K- J	0 / 1175	-28.0	-28.0	0.45 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	-35 / 98	0.03 (1)
N- D	0 / 328	0.07 (2)
D- M	0 / 564	0.09 (1)
M- E	-835 / 0	0.51 (1)
M- F	0 / 564	0.09 (1)
K- F	0 / 328	0.07 (2)
K- G	-35 / 98	0.03 (1)
O- C	-2046 / 0	0.60 (1)
G- J	-2046 / 0	0.60 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.52 (D-E:1) , BC=0.46 (M-N:2) , WB=0.60 (G-J:1) , SSI=0.33 (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 (C) (INPUT = 0.90)
JSI METAL= 0.50 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9117
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45551 - 17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T7	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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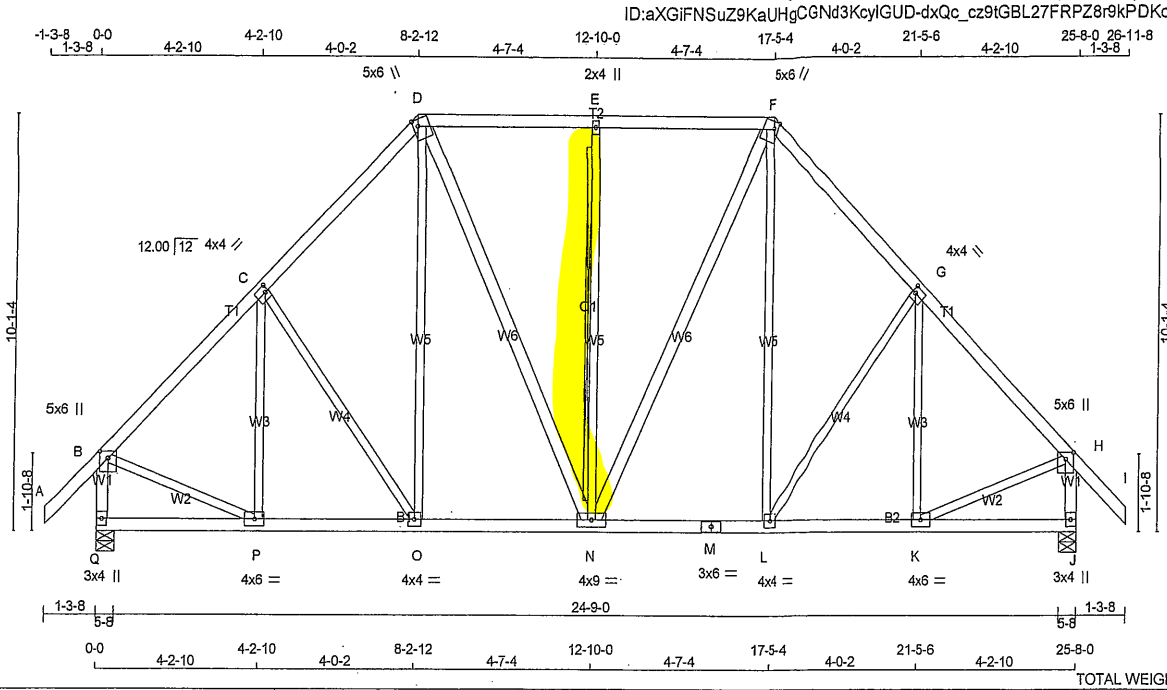

TOTAL WEIGHT = 4 X 148 = 593 lb

[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 - I	2x4	DRY	No.2	SPF
Q - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
Q - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - N	2x4	DRY	No.2	SPF
N - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.00
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.00	1.50
G	TMWW-t	MT20	4.0	4.0	2.00	1.00
H	TMVW+p	MT20	5.0	6.0	2.00	2.50
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	4.0	6.0		
Q	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
Q	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

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

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

2x4 DRY SPF No.2 T-BRACE AT E-N

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-1703 / 0	-122.2	-122.2	0.31 (1)	4.80
C- D	-1610 / 0	-122.2	-122.2	0.30 (1)	4.91
D- E	-1296 / 0	-122.2	-122.2	0.34 (1)	5.27
E- F	-1296 / 0	-122.2	-122.2	0.34 (1)	5.27
F- G	-1610 / 0	-122.2	-122.2	0.30 (1)	4.91
G- H	-1703 / 0	-122.2	-122.2	0.31 (1)	4.80
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00
Q- B	-2048 / 0	0.0	0.0	0.23 (1)	5.91
J- H	-2048 / 0	0.0	0.0	0.23 (1)	5.91
Q- P	0 / 0	-28.0	-28.0	0.11 (3)	10.00
P- O	0 / 1233	-28.0	-28.0	0.25 (1)	10.00
O- N	0 / 1106	-28.0	-28.0	0.24 (1)	10.00
N- M	0 / 1106	-28.0	-28.0	0.24 (1)	10.00
M- L	0 / 1106	-28.0	-28.0	0.24 (1)	10.00
L- K	0 / 1233	-28.0	-28.0	0.25 (1)	10.00
K- J	0 / 0	-28.0	-28.0	0.11 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-320 / 61	0.19 (1)
C- O	-223 / 0	0.21 (1)
O- D	0 / 310	0.07 (2)
D- N	0 / 447	0.07 (1)
N- E	-679 / 0	0.54 (1)
N- F	0 / 447	0.07 (1)
L- F	0 / 310	0.07 (2)
L- G	-223 / 0	0.21 (1)
K- G	-320 / 61	0.19 (1)
B- P	0 / 1311	0.30 (1)
K- H	0 / 1311	0.30 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.34 (E-F:1) , BC=0.25 (O-P:1) , WB=0.54 (E-N:1) , SSI=0.27 (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= 0.86 (J) (INPUT = 0.90)
JSI METAL= 0.36 (H) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45552-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T8	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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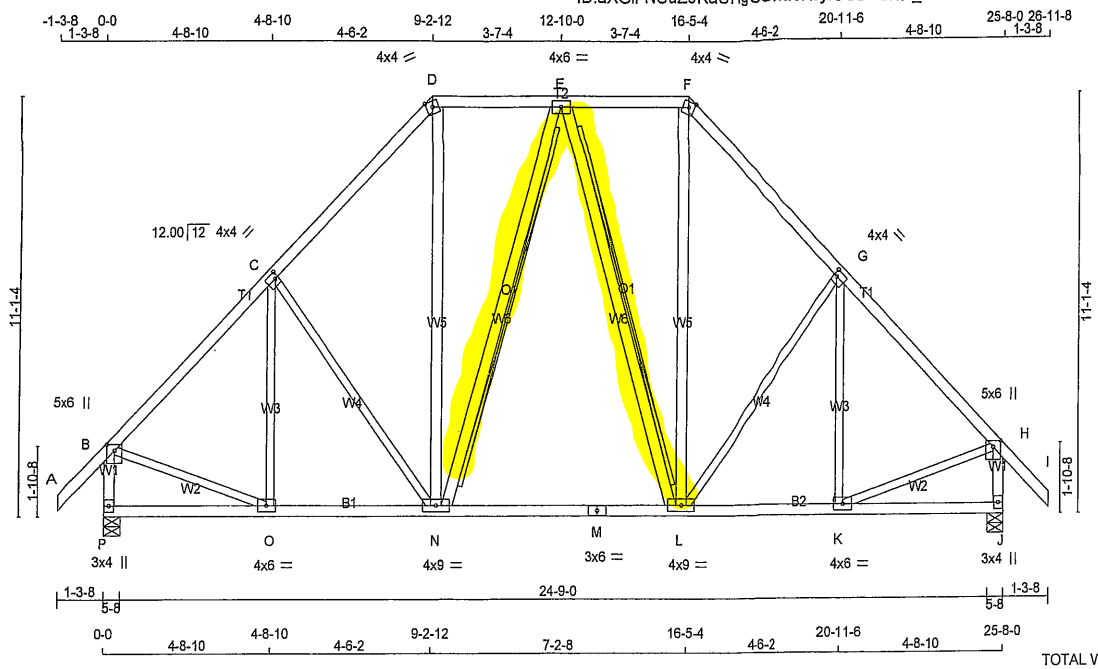

TOTAL WEIGHT = 2 X 154 = 308 lb

[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 - I	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
N - D	2x4	DRY	No.2	SPF
N - E	2x4	DRY	No.2	SPF
E - L	2x4	DRY	No.2	SPF
L - 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	2.00	2.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.00
D	TTW-m	MT20	4.0	4.0	Edge	
E	TMWW-t	MT20	4.0	6.0		
F	TTW-m	MT20	4.0	4.0	Edge	
G	TMWW-t	MT20	4.0	4.0	2.00	1.00
H	TMVW+p	MT20	5.0	6.0	2.00	2.50
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BMWW-t	MT20	4.0	6.0		
P	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
P	2098	0	2098	0	0	5-8	5-8
J	2098	0	2098	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0
J	1623	1088 / 0	270 / 0	0 / 0	0 / 0	265 / 0	0 / 0

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

BRACING

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

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

2x4 DRY SPF No.2 T-BRACE AT E-N, E-L

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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 / 60	-122.2	-122.2	0.17 (1)	10.00	O- C	-273 / 83	0.19 (1)
B- C	-1716 / 0	-122.2	-122.2	0.39 (1)	4.68	C- N	-310 / 0	0.38 (1)
C- D	-1554 / 0	-122.2	-122.2	0.37 (1)	4.88	N- D	0 / 682	0.11 (1)
D- E	-1070 / 0	-122.2	-122.2	0.20 (1)	5.87	N- E	-274 / 0	0.26 (1)
E- F	-1070 / 0	-122.2	-122.2	0.20 (1)	5.87	E- L	-274 / 0	0.26 (1)
F- G	-1554 / 0	-122.2	-122.2	0.37 (1)	4.88	L- F	0 / 682	0.11 (1)
G- H	-1716 / 0	-122.2	-122.2	0.39 (1)	4.68	L- G	-310 / 0	0.38 (1)
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00	K- G	-273 / 83	0.19 (1)
P- B	-2041 / 0	0.0	0.0	0.23 (1)	5.92	B- O	0 / 1310	0.29 (1)
J- H	-2041 / 0	0.0	0.0	0.23 (1)	5.92	K- H	0 / 1310	0.29 (1)
P- O	0 / 0	-28.0	-28.0	0.13 (2)	10.00			
O- N	0 / 1246	-28.0	-28.0	0.34 (2)	10.00			
N- M	0 / 1153	-28.0	-28.0	0.33 (2)	10.00			
M- L	0 / 1153	-28.0	-28.0	0.33 (2)	10.00			
L- K	0 / 1246	-28.0	-28.0	0.34 (2)	10.00			
K- J	0 / 0	-28.0	-28.0	0.13 (2)	10.00			

LICENSED PROFESSIONAL ENGINEER
9112
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TRM-15553-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.39 (B-C:1) , BC=0.34 (N-O:2) , WB=0.38 (C-N:1) , SSI=0.21 (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= 0.85 (J) (INPUT = 0.90)
JSI METAL= 0.43 (M) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T9	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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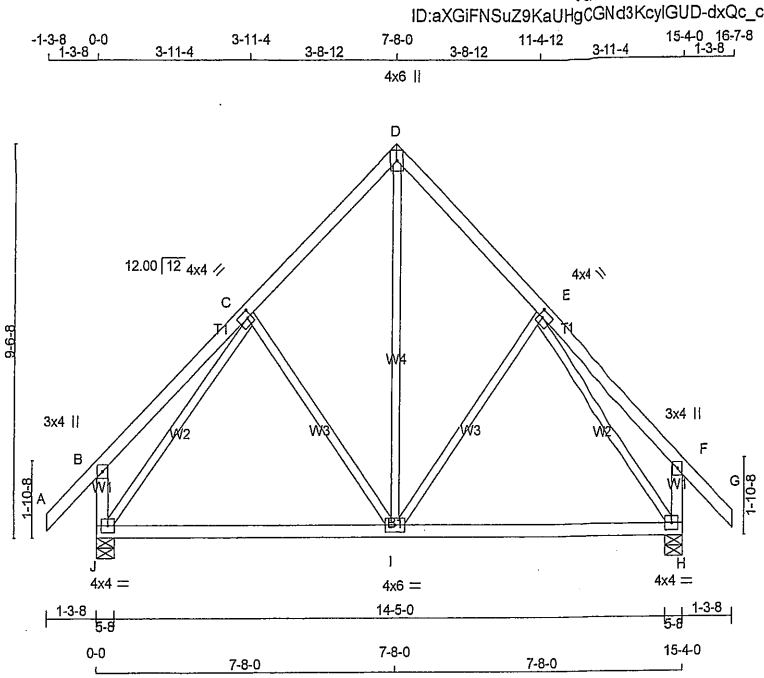

TOTAL WEIGHT = 6 X 78 = 467 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS 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	1.25
D	TTW+p	MT20	4.0	6.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.25
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	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
J	1322	0	1322	0	0	5-8	5-8
H	1322	0	1322	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1016	693 / 0	161 / 0	0 / 0	0 / 0	162 / 0	0 / 0
H	1016	693 / 0	161 / 0	0 / 0	0 / 0	162 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	0 / 39	-122.2	-122.2	0.29 (1)	10.00
C- D	-748 / 0	-122.2	-122.2	0.23 (1)	6.25
D- E	-748 / 0	-122.2	-122.2	0.23 (1)	6.25
E- F	0 / 39	-122.2	-122.2	0.29 (1)	10.00
F- G	0 / 60	-122.2	-122.2	0.17 (1)	10.00
J- B	-347 / 0	0.0	0.0	0.04 (1)	7.81
H- F	-347 / 0	0.0	0.0	0.04 (1)	7.81
J- I	0 / 637	-28.0	-28.0	0.54 (2)	10.00
I- H	0 / 637	-28.0	-28.0	0.54 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- D	0 / 638	0.14 (1)
I- E	-230 / 34	0.18 (1)
C- I	-230 / 34	0.18 (1)
J- C	-1098 / 0	0.84 (1)
E- H	-1098 / 0	0.84 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.29 (E-F:1) , BC=0.54 (I-J:2) , WB=0.84 (E-H:1) , SSI=0.18 (H-I:3)

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 (C) (INPUT = 0.90)
JSI METAL= 0.42 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45554-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	G9	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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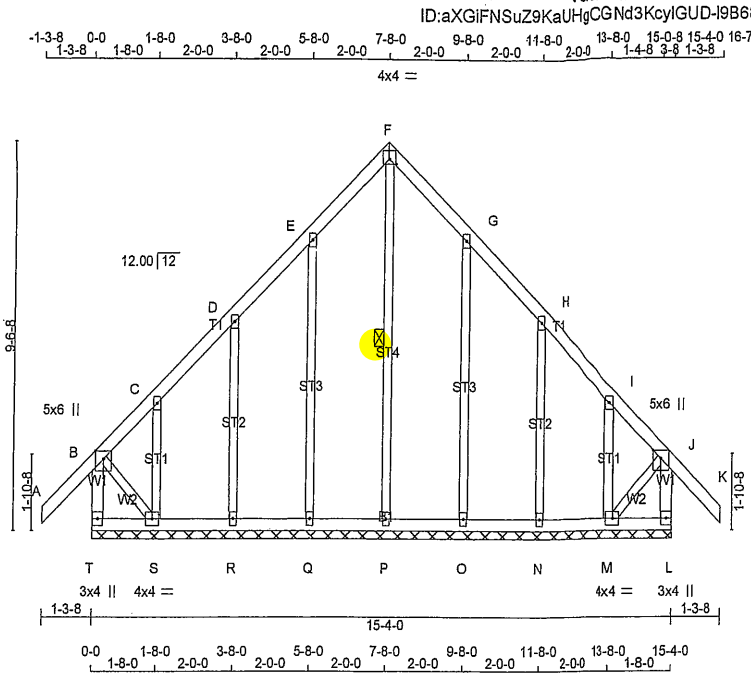

TOTAL WEIGHT = 85 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
T - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
T - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C, D, E, G, H, I						
C	TMW+w	MT20	2.0	4.0		
F	TTW-p	MT20	4.0	4.0	1.50	2.00
J	TMVW+p	MT20	5.0	6.0	Edge	
L	BMV1+p	MT20	3.0	4.0		
M	BMWW1-t	MT20	4.0	4.0		
N, O, P, Q, R						
N	BMW1+w	MT20	2.0	4.0		
S	BMWW1-t	MT20	4.0	4.0		
T	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

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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-93 / 0	-122.2	-122.2	0.16 (1)	6.25
C- D	-29 / 0	-122.2	-122.2	0.06 (1)	6.25
D- E	-30 / 0	-122.2	-122.2	0.07 (1)	6.25
E- F	-44 / 0	-122.2	-122.2	0.07 (1)	6.25
F- G	-44 / 0	-122.2	-122.2	0.07 (1)	6.25
G- H	-30 / 0	-122.2	-122.2	0.07 (1)	6.25
H- I	-29 / 0	-122.2	-122.2	0.06 (1)	6.25
I- J	-93 / 0	-122.2	-122.2	0.16 (1)	6.25
J- K	0 / 60	-122.2	-122.2	0.17 (1)	10.00
T- B	-395 / 0	0.0	0.0	0.04 (1)	7.81
L- J	-395 / 0	0.0	0.0	0.04 (1)	7.81
T- S	0 / 0	-28.0	-28.0	0.02 (2)	10.00
S- R	0 / 28	-28.0	-28.0	0.02 (2)	10.00
R- Q	0 / 23	-28.0	-28.0	0.02 (2)	10.00
Q- P	0 / 19	-28.0	-28.0	0.02 (2)	10.00
P- O	0 / 19	-28.0	-28.0	0.02 (2)	10.00
O- N	0 / 23	-28.0	-28.0	0.02 (2)	10.00
N- M	0 / 28	-28.0	-28.0	0.02 (2)	10.00
M- L	0 / 0	-28.0	-28.0	0.02 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- F	-170 / 0	0.10 (1)
Q- E	-274 / 0	0.28 (1)
R- D	-251 / 0	0.12 (1)
S- C	-132 / 0	0.03 (1)
O- G	-274 / 0	0.28 (1)
N- H	-251 / 0	0.12 (1)
M- I	-132 / 0	0.03 (1)
B- S	0 / 44	0.01 (1)
M- J	0 / 44	0.01 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17 (A-B:1) , BC=0.02 (M-N:2) , WB=0.28 (G-O:1) , SSI=0.09 (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= 0.34 (F) (INPUT = 0.90)
JSI METAL= 0.08 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45555-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272290	T9S	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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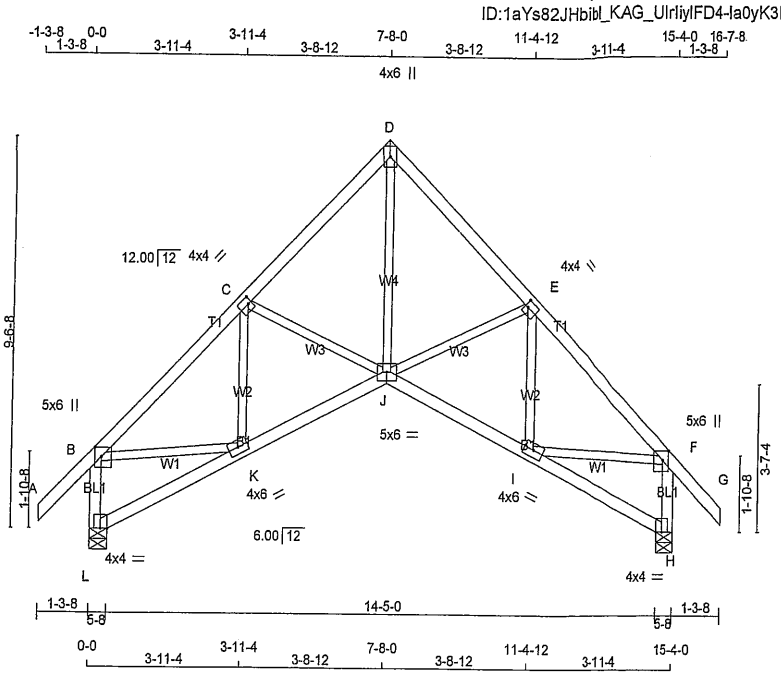

TOTAL WEIGHT = 3 X 75 = 224 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

BEARING BLOCKS

BL1	2 - 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	TMKW+p	MT20	5.0	6.0	2.75	2.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.00
D	TTW+p	MT20	4.0	6.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.00
F	TMKW+p	MT20	5.0	6.0	2.75	2.00
H	BKM1-p	MT20	4.0	4.0		
I	BMWW-t	MT20	4.0	6.0		
J	BBWWW-p	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BKM1-p	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
L	1322	0	1322	0	0	5-8	5-8
H	1322	0	1322	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1016	693 / 0	161 / 0	0 / 0	0 / 0	162 / 0	0 / 0
H	1016	693 / 0	161 / 0	0 / 0	0 / 0	162 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-1343 / 0	-122.2	-122.2	0.25 (1)	5.33
C- D	-1161 / 0	-122.2	-122.2	0.24 (1)	5.65
D- E	-1161 / 0	-122.2	-122.2	0.24 (1)	5.65
E- F	-1343 / 0	-122.2	-122.2	0.25 (1)	5.33
F- G	0 / 60	-122.2	-122.2	0.17 (1)	10.00
L- B	-1277 / 0	0.0	0.0	0.15 (1)	7.13
H- F	-1277 / 0	0.0	0.0	0.15 (1)	7.13
L- K	0 / 10	-28.0	-28.0	0.12 (3)	10.00
K- J	0 / 1087	-28.0	-28.0	0.23 (1)	10.00
J- I	0 / 1087	-28.0	-28.0	0.23 (1)	10.00
I- H	0 / 10	-28.0	-28.0	0.12 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- D	0 / 1241	0.28 (1)
J- E	-205 / 0	0.06 (1)
I- E	-303 / 70	0.08 (1)
C- J	-205 / 0	0.06 (1)
K- C	-303 / 70	0.08 (1)
B- K	0 / 978	0.22 (1)
I- F	0 / 978	0.22 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.25 (E-F:1) , BC=0.23 (I-J:1) , WB=0.28 (D-J:1) , SSI=0.16 (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

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= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.42 (H) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM45559-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	T10	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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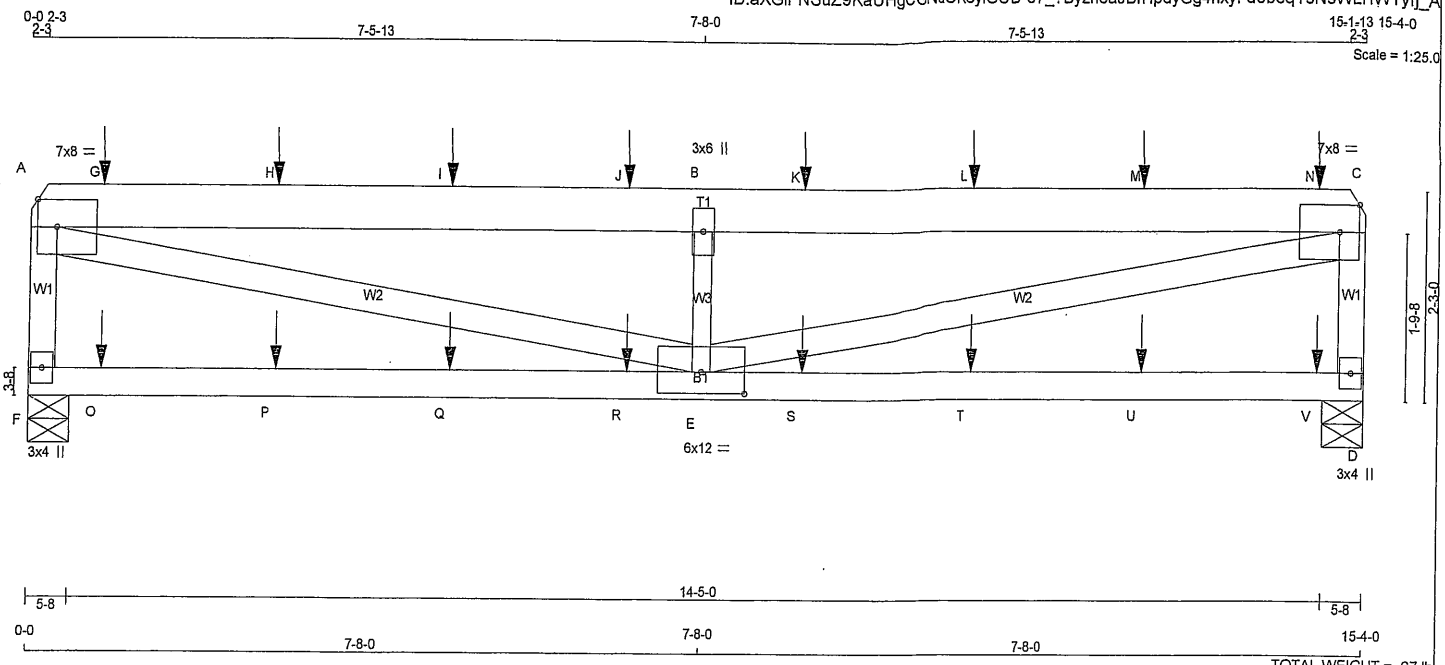

TOTAL WEIGHT = 67 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	7.0	8.0		Edge
B	TMW+w	MT20	3.0	6.0		
C	TMVW-t	MT20	7.0	8.0		Edge
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	6.0	12.0	2.75	6.00
F	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) 115.5 lbs FACTORED DOWN AT 9-12, 104.0 lbs FACTORED DOWN AT 2-9-12, 104.0 lbs FACTORED DOWN AT 4-9-12, 104.0 lbs FACTORED DOWN AT 6-9-12, 104.0 lbs FACTORED DOWN AT 8-9-12, 104.0 lbs FACTORED DOWN AT 10-9-12, AND 104.0 lbs FACTORED DOWN AT 12-9-12, AND 133.3 lbs FACTORED DOWN AT 14-9-12 ON TOP CHORD, AND 73.8 lbs FACTORED DOWN AT 9-12, 71.2 lbs FACTORED DOWN AT 2-9-12, 71.2 lbs FACTORED DOWN AT 4-9-12, 71.2 lbs FACTORED DOWN AT 6-9-12, 71.2 lbs FACTORED DOWN AT 8-9-12, 71.2 lbs FACTORED DOWN AT 10-9-12, AND 71.2 lbs FACTORED DOWN AT 12-9-12, AND 77.9 lbs FACTORED DOWN AT 14-9-12 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
F	1854	0	1854	0	0	5-8	5-8
D	1901	0	1901	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1450	944 / 0	259 / 0	0 / 0	0 / 0	247 / 0	0 / 0
D	1487	968 / 0	266 / 0	0 / 0	0 / 0	253 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- G	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
G- H	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
H- I	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
I- J	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
J- B	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
B- K	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
K- L	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
L- M	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
M- N	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
N- C	-4444 / 0	-122.2	-122.2	0.95 (1)	2.78
F- A	-1652 / 0	0.0	0.0	0.20 (1)	6.41
D- C	-1684 / 0	0.0	0.0	0.21 (1)	6.36
F- O	0 / 0	-28.0	-28.0	0.78 (2)	10.00
O- P	0 / 0	-28.0	-28.0	0.78 (2)	10.00
P- Q	0 / 0	-28.0	-28.0	0.78 (2)	10.00
Q- R	0 / 0	-28.0	-28.0	0.78 (2)	10.00
R- E	0 / 0	-28.0	-28.0	0.78 (2)	10.00
E- S	0 / 0	-28.0	-28.0	0.78 (2)	10.00
S- T	0 / 0	-28.0	-28.0	0.78 (2)	10.00
T- U	0 / 0	-28.0	-28.0	0.78 (2)	10.00
U- V	0 / 0	-28.0	-28.0	0.78 (2)	10.00
V- D	0 / 0	-28.0	-28.0	0.78 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- C	0 / 4575	0.81 (1)
A- E	0 / 4575	0.81 (1)
E- B	-1587 / 0	0.26 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	9-12	-115	-115	---	BACK	VERT	TOTAL
H	2-9-12	-104	-104	---	BACK	VERT	TOTAL
I	4-9-12	-104	-104	---	BACK	VERT	TOTAL
J	6-9-12	-104	-104	---	BACK	VERT	TOTAL
K	8-9-12	-104	-104	---	BACK	VERT	TOTAL
L	10-9-12	-104	-104	---	BACK	VERT	TOTAL
M	12-9-12	-104	-104	---	BACK	VERT	TOTAL
N	14-9-12	-133	-133	---	BACK	VERT	TOTAL
O	9-12	-74	-74	---	BACK	VERT	TOTAL
P	2-9-12	-71	-71	---	BACK	VERT	TOTAL
Q	4-9-12	-71	-71	---	BACK	VERT	TOTAL
R	6-9-12	-71	-71	---	BACK	VERT	TOTAL
S	8-9-12	-71	-71	---	BACK	VERT	TOTAL
T	10-9-12	-71	-71	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45556-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 626 (0.29")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 378 (0.49")

CSI: TC=0.95 (A-B:1) , BC=0.78 (E-F:2) , WB=0.81 (C-E:1) , SSI=0.53 (A-B: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= 0.90 (E) (INPUT = 0.90)
JSI METAL= 0.83 (A) (INPUT = 1.00)

CONTINUED ON PAGE 2

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
U	12-9-12	-71	-71	—	BACK	VERT	TOTAL
V	14-9-12	-78	-78	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9662
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45556-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272288	PB1	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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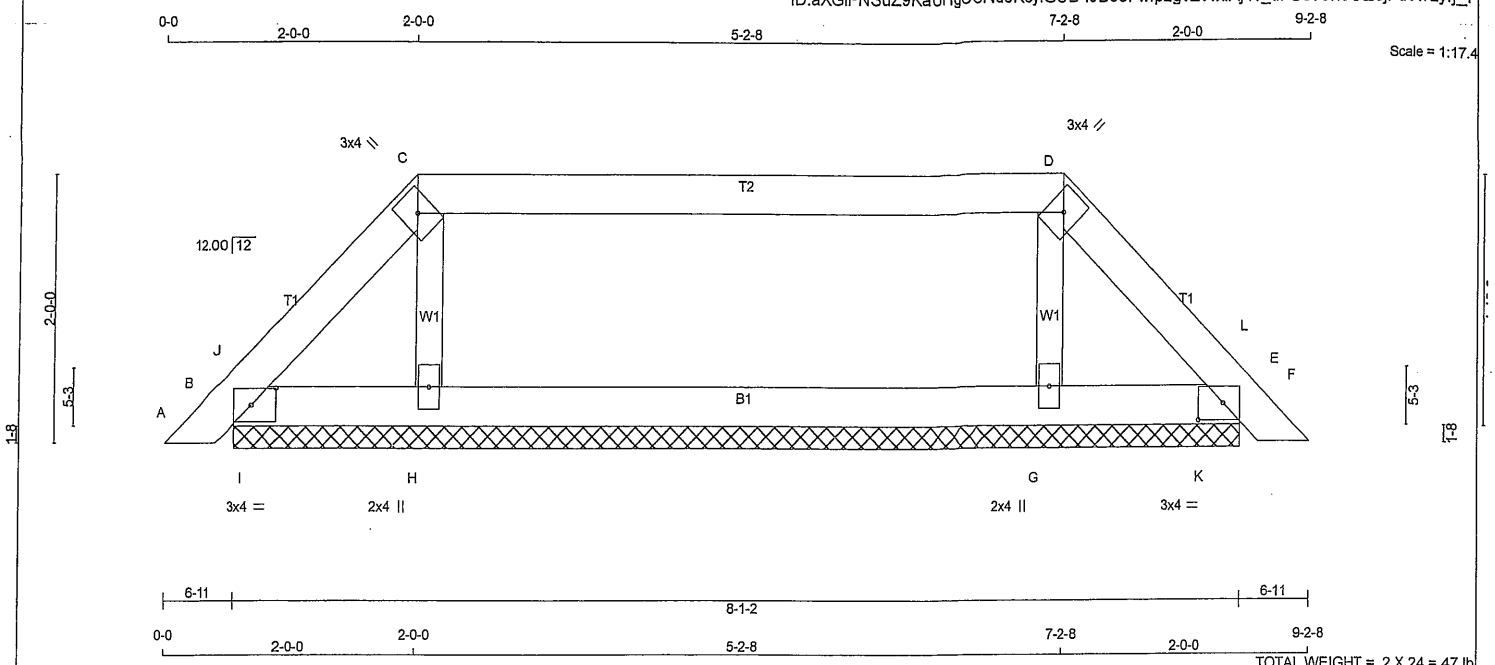

TOTAL WEIGHT = 2 X 24 = 47 lb

[M]

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
B - E	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	1.50	2.50
C	TTW+h	MT20	3.0	4.0		
D	TTW+h	MT20	3.0	4.0		
E	TMB1-I	MT20	3.0	4.0	1.50	2.50
G	BMW1+w	MT20	2.0	4.0		
H	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	213	0	213	0	-12	8-1-2	8-1-2
E	213	0	213	0	-12	8-1-2	8-1-2
H	451	0	451	0	0	8-1-2	8-1-2
G	451	0	451	0	0	8-1-2	8-1-2

PROVIDE ANCHORAGE AT BEARING JOINT B FOR 150 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT E FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	135	142 / 0	0 / -11	0 / 0	0 / 0	4 / 0	0 / 0
E	135	142 / 0	0 / -11	0 / 0	0 / 0	4 / 0	0 / 0
H	378	202 / 0	96 / 0	0 / 0	0 / 0	80 / 0	0 / 0
G	378	202 / 0	96 / 0	0 / 0	0 / 0	80 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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 LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 18	-122.2	-122.2	0.02 (1)	10.00
B- J	-60 / 58	-122.2	-122.2	0.03 (3)	6.25
J- C	-115 / 0	-122.2	-122.2	0.02 (1)	6.25
C- D	-53 / 4	-122.2	-122.2	0.57 (1)	6.25
D- L	-115 / 0	-122.2	-122.2	0.02 (1)	6.25
L- E	-60 / 58	-122.2	-122.2	0.03 (3)	6.25
E- F	0 / 18	-122.2	-122.2	0.02 (1)	10.00
B- I	-2 / 74	-28.0	-28.0	0.05 (1)	10.00
I- H	-2 / 74	-28.0	-28.0	0.12 (2)	10.00
H- G	-4 / 53	-28.0	-28.0	0.12 (2)	10.00
G- K	-2 / 74	-28.0	-28.0	0.12 (2)	10.00
K- E	-2 / 74	-28.0	-28.0	0.05 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-305 / 0	0.04 (1)
G- D	-305 / 0	0.04 (1)
I- J	-156 / 0	0.00 (1)
K- L	-156 / 0	0.00 (1)

LICENSED PROFESSIONAL ENGINEER
9/11/7
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45557-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.57 (C-D:1) , BC=0.12 (H-I:2) , WB=0.04 (D-G:1) , SSI=0.25 (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= 0.86 (C) (INPUT = 0.90)
JSI METAL= 0.06 (H) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272327	T90	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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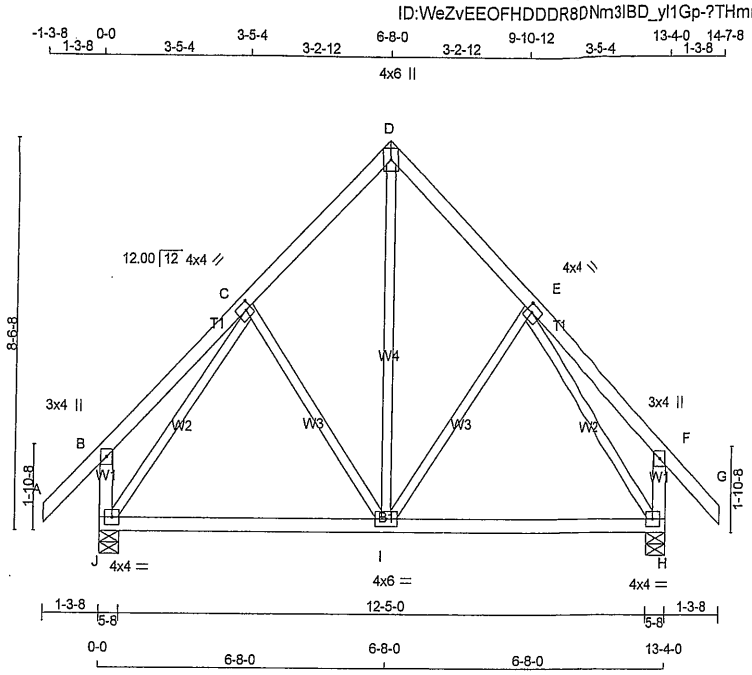

TOTAL WEIGHT = 6 X 69 = 416 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS 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	1.50
D	TTW+p	MT20	4.0	6.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	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
J	1172	0	1172	0	0	5-8	5-8
H	1172	0	1172	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	898	616 / 0	140 / 0	0 / 0	0 / 0	142 / 0	0 / 0
H	898	616 / 0	140 / 0	0 / 0	0 / 0	142 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	0 / 33	-122.2	-122.2	0.22 (1)	10.00
C- D	-634 / 0	-122.2	-122.2	0.17 (1)	6.25
D- E	-634 / 0	-122.2	-122.2	0.17 (1)	6.25
E- F	0 / 33	-122.2	-122.2	0.22 (1)	10.00
F- G	0 / 60	-122.2	-122.2	0.17 (1)	10.00
J- B	-324 / 0	0.0	0.0	0.04 (1)	7.81
H- F	-324 / 0	0.0	0.0	0.04 (1)	7.81
J- I	0 / 531	-28.0	-28.0	0.41 (2)	10.00
I- H	0 / 531	-28.0	-28.0	0.41 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- D	0 / 530	0.12 (1)
I- E	-183 / 35	0.11 (1)
C- I	-183 / 35	0.11 (1)
J- C	-940 / 0	0.54 (1)
E- H	-940 / 0	0.54 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.22 (E-F:1) , BC=0.41 (I-J:2) , WB=0.54 (E-H:1) , SSI=0.16 (H-I:3)

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 (C) (INPUT = 0.90)
JSI METAL= 0.36 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 4556/-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272327	G90	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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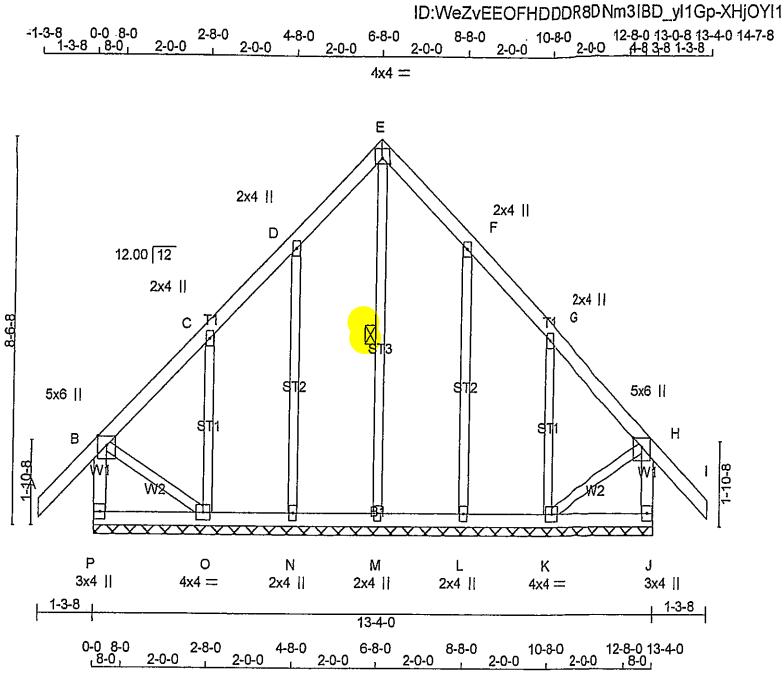

TOTAL WEIGHT = 72 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
P - B	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	5.0	6.0	Edge	
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	5.0	6.0	Edge	
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		

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

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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-36 / 0	-122.2	-122.2	0.10 (1)	6.25
C- D	-54 / 0	-122.2	-122.2	0.10 (1)	6.25
D- E	-54 / 0	-122.2	-122.2	0.06 (1)	6.25
E- F	-54 / 0	-122.2	-122.2	0.06 (1)	6.25
F- G	-54 / 0	-122.2	-122.2	0.10 (1)	6.25
G- H	-36 / 0	-122.2	-122.2	0.10 (1)	6.25
H- I	0 / 60	-122.2	-122.2	0.17 (1)	10.00
P- B	-361 / 0	0.0	0.0	0.04 (1)	7.81
J- H	-361 / 0	0.0	0.0	0.04 (1)	7.81
P- O	0 / 0	-28.0	-28.0	0.04 (2)	10.00
O- N	0 / 31	-28.0	-28.0	0.05 (2)	10.00
N- M	0 / 27	-28.0	-28.0	0.03 (2)	10.00
M- L	0 / 27	-28.0	-28.0	0.03 (2)	10.00
L- K	0 / 31	-28.0	-28.0	0.05 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.04 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	-159 / 0	0.07 (1)
N- D	-255 / 0	0.18 (1)
O- C	-313 / 0	0.09 (1)
L- F	-255 / 0	0.18 (1)
K- G	-313 / 0	0.09 (1)
B- O	0 / 45	0.01 (1)
K- H	0 / 45	0.01 (1)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 4556217
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17 (H-I:1) , BC=0.05 (K-L:2) , WB=0.18 (F-L:1) , SSI=0.10 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 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= 0.32 (E) (INPUT = 0.90)
JSI METAL= 0.09 (G) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272327	T91	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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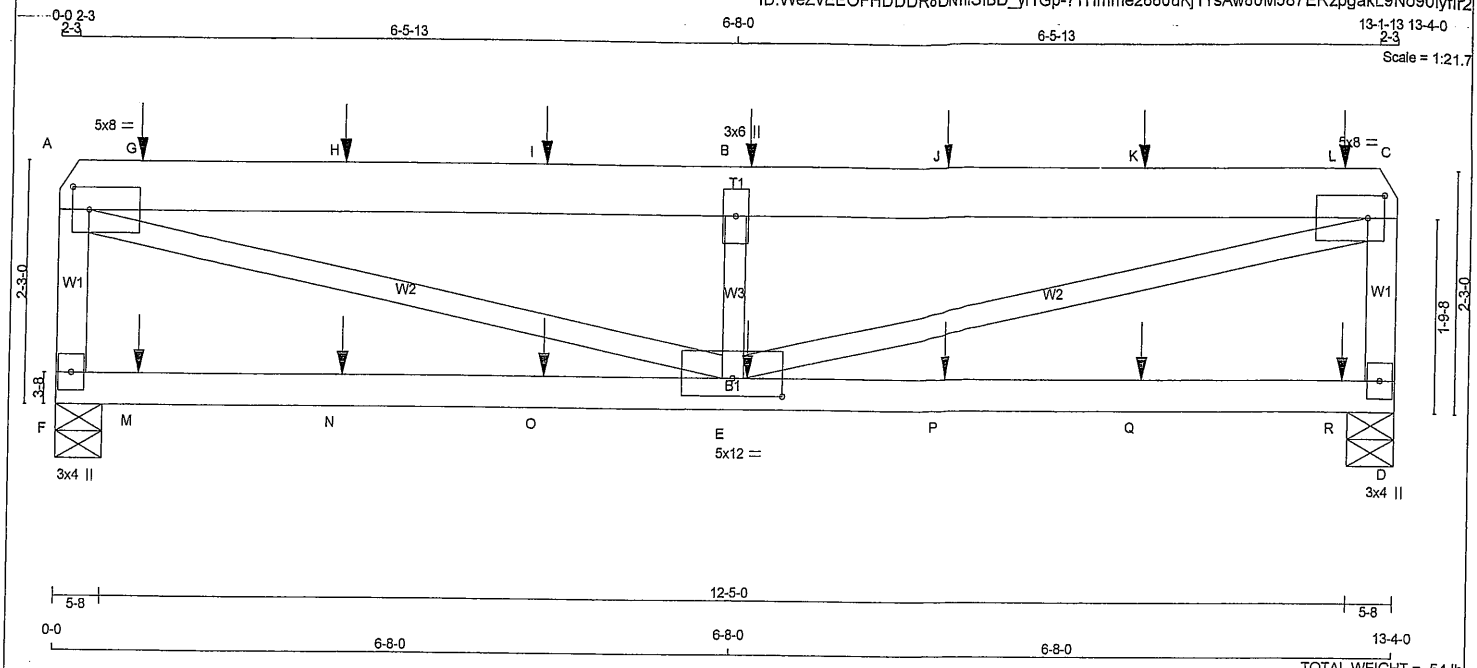

TOTAL WEIGHT = 54 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
F - A	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	8.0	2.50	2.00
B	TMW+w	MT20	3.0	6.0		
C	TMVW-t	MT20	5.0	8.0	2.50	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	5.0	12.0	2.00	6.00
F	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 115.5 lbs FACTORED DOWN AT 9-12, 104.0 lbs FACTORED DOWN AT 2-9-12, 104.0 lbs FACTORED DOWN AT 4-9-12, 104.0 lbs FACTORED DOWN AT 6-9-12, 104.0 lbs FACTORED DOWN AT 8-9-12, AND 104.0 lbs FACTORED DOWN AT 10-9-12, AND 133.3 lbs FACTORED DOWN AT 12-9-12 ON TOP CHORD, AND 73.8 lbs FACTORED DOWN AT 9-12, 71.2 lbs FACTORED DOWN AT 2-9-12, 71.2 lbs FACTORED DOWN AT 4-9-12, 71.2 lbs FACTORED DOWN AT 6-9-12, 71.2 lbs FACTORED DOWN AT 8-9-12, AND 71.2 lbs FACTORED DOWN AT 10-9-12, AND 77.9 lbs FACTORED DOWN AT 12-9-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 45563-17
STRUCTURAL
COMPONENT ONLY

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	1618	0	1618	0	0	5-8	5-8
D	1662	0	1662	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1265	824 / 0	226 / 0	0 / 0	0 / 0	215 / 0	0 / 0
D	1300	846 / 0	232 / 0	0 / 0	0 / 0	221 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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- G	-3319 / 0	-122.2	-122.2	0.63 (1)	3.88
G- H	-3319 / 0	-122.2	-122.2	0.63 (1)	3.88
H- I	-3319 / 0	-122.2	-122.2	0.63 (1)	3.88
I- B	-3319 / 0	-122.2	-122.2	0.63 (1)	3.88
B- J	-3319 / 0	-122.2	-122.2	0.62 (1)	3.89
J- K	-3319 / 0	-122.2	-122.2	0.62 (1)	3.89
K- L	-3319 / 0	-122.2	-122.2	0.62 (1)	3.89
L- C	-3319 / 0	-122.2	-122.2	0.62 (1)	3.89
F- A	-1438 / 0	0.0	0.0	0.18 (1)	6.77
D- C	-1468 / 0	0.0	0.0	0.18 (1)	6.71
F- M	0 / 0	-28.0	-28.0	0.56 (2)	10.00
M- N	0 / 0	-28.0	-28.0	0.56 (2)	10.00
N- O	0 / 0	-28.0	-28.0	0.56 (2)	10.00
O- E	0 / 0	-28.0	-28.0	0.56 (2)	10.00
E- P	0 / 0	-28.0	-28.0	0.56 (2)	10.00
P- Q	0 / 0	-28.0	-28.0	0.56 (2)	10.00
Q- R	0 / 0	-28.0	-28.0	0.56 (2)	10.00
R- D	0 / 0	-28.0	-28.0	0.56 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- C	0 / 3448	0.85 (1)
A- E	0 / 3448	0.85 (1)
E- B	-1361 / 0	0.22 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	6-9-12	-104	-104	---	BACK	VERT	TOTAL
E	6-9-12	-71	-71	---	BACK	VERT	TOTAL
G	9-12	-115	-115	---	BACK	VERT	TOTAL
H	2-9-12	-104	-104	---	BACK	VERT	TOTAL
I	4-9-12	-104	-104	---	BACK	VERT	TOTAL
J	8-9-12	-104	-104	---	BACK	VERT	TOTAL
K	10-9-12	-104	-104	---	BACK	VERT	TOTAL
L	12-9-12	-133	-133	---	BACK	VERT	TOTAL
M	9-12	-74	-74	---	BACK	VERT	TOTAL
N	2-9-12	-71	-71	---	BACK	VERT	TOTAL
O	4-9-12	-71	-71	---	BACK	VERT	TOTAL
P	6-9-12	-71	-71	---	BACK	VERT	TOTAL
Q	10-9-12	-71	-71	---	BACK	VERT	TOTAL
R	12-9-12	-78	-78	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 808 (0.20")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 496 (0.32")

CSI: TC=0.63 (A-B:1) , BC=0.56 (E-F:2) , WB=0.85 (C-E:1) , SSI=0.42 (A-B: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= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.67 (C) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 42067	DRWG NO.
272329	T90S	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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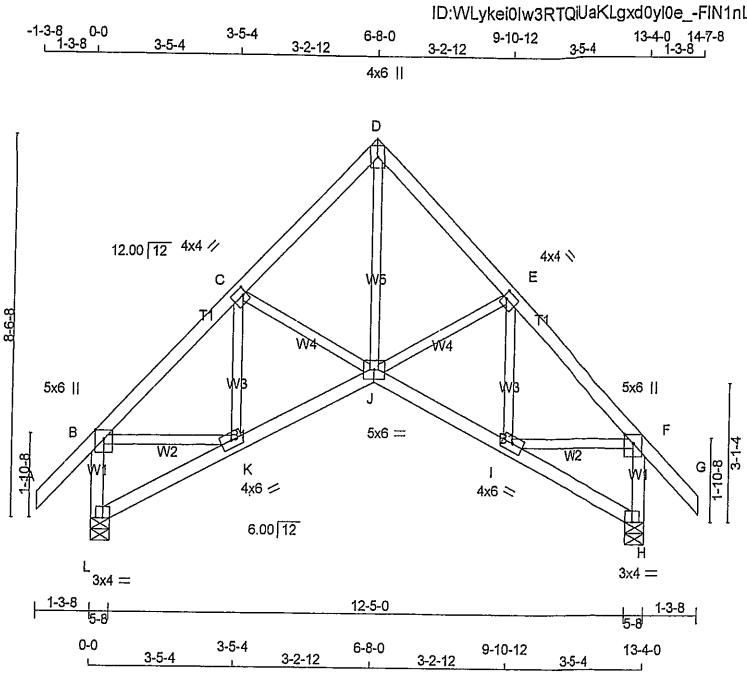


TOTAL WEIGHT = 3 X 66 = 199 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS 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	TMWW-t	MT20	4.0	4.0	2.00	1.00
D	TTW+p	MT20	4.0	6.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.00
F	TMVW+p	MT20	5.0	6.0	Edge	
H	BVM1-p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	6.0		
J	BBWWW-p	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BVM1-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	1172	0	1172	0	0	5-8	5-8
H	1172	0	1172	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	898	616 / 0	140 / 0	0 / 0	0 / 0	142 / 0	0 / 0
H	898	616 / 0	140 / 0	0 / 0	0 / 0	142 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

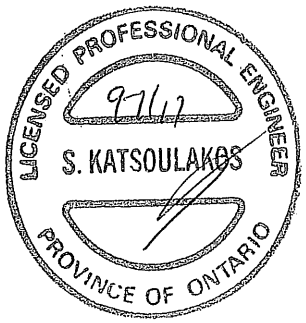
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 60	-122.2	-122.2	0.17 (1)	10.00
B- C	-1089 / 0	-122.2	-122.2	0.18 (1)	5.86
C- D	-965 / 0	-122.2	-122.2	0.17 (1)	6.13
D- E	-965 / 0	-122.2	-122.2	0.17 (1)	6.13
E- F	-1089 / 0	-122.2	-122.2	0.18 (1)	5.86
F- G	0 / 60	-122.2	-122.2	0.17 (1)	10.00
L- B	-1132 / 0	0.0	0.0	0.14 (1)	7.46
H- F	-1132 / 0	0.0	0.0	0.14 (1)	7.46
L- K	0 / 8	-28.0	-28.0	0.09 (3)	10.00
K- J	0 / 882	-28.0	-28.0	0.18 (1)	10.00
J- I	0 / 882	-28.0	-28.0	0.18 (1)	10.00
I- H	0 / 8	-28.0	-28.0	0.09 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- D	0 / 1018	0.23 (1)
J- E	-154 / 0	0.04 (1)
I- E	-290 / 51	0.07 (1)
C- J	-154 / 0	0.04 (1)
K- C	-290 / 51	0.07 (1)
B- K	0 / 792	0.18 (1)
I- F	0 / 792	0.18 (1)



DWG NO. TAM45564-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	38.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	58.7	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 54.4 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 38.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.05")

CSI: TC=0.18 (E-F:1) , BC=0.18 (I-J:1) , WB=0.23 (D-J:1) , SSI=0.14 (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

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= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.49 (L) (INPUT = 1.00)

TECHNICAL BULLETIN

HGUS – Double Shear Joist Hangers

SIMPSON Strong-Tie®

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

MATERIAL: 12 gauge

FINISH: G90 galvanized

DESIGN:

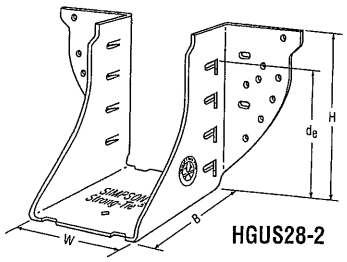
- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

INSTALLATION:

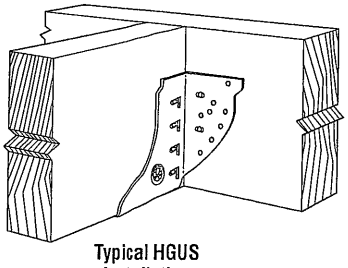
- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

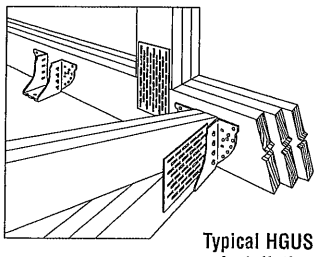
- See current catalogue for options



HGUS28-2



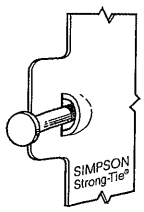
Typical HGUS Installation



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

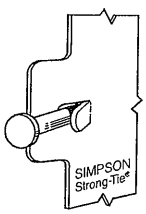
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
HGUS26	12	1⅝	5⅜	5	4 5/32	20-16d	8-16d	2685	6625	2685	5700
HGUS26-2	12	3 5/16	5 7/16	4	4⅛	20-16d	8-16d	4385	8950	3100	6355
HGUS26-3	12	4 15/16	5½	4	4⅛	20-16d	8-16d	4385	8950	3100	6355
HGUS26-4	12	6 9/16	5 7/16	4	4⅛	20-16d	8-16d	4385	8950	3100	6355
HGUS28	12	1⅝	7⅛	5	6⅛	36-16d	12-16d	3310	7675	3100	6900
HGUS28-2	12	3 5/16	7 3/16	4	6⅛	36-16d	12-16d	6070	12980	4310	9215
HGUS28-3	12	4 15/16	7¼	4	6⅜	36-16d	12-16d	6070	12980	4310	9215
HGUS28-4	12	6 9/16	7 3/16	4	6⅛	36-16d	12-16d	6070	12980	4310	9215
HGU210-2	12	3 5/16	9 3/16	4	8⅛	46-16d	16-16d	6840	14645	4855	10400
HGUS210-3	12	4 15/16	9¼	4	8⅜	46-16d	16-16d	6840	14645	4855	10400
HGUS210-4	12	6 9/16	9 3/16	4	8⅛	46-16d	16-16d	6840	14645	4855	10400
HGUS212-4	12	6 9/16	10⅝	4	10⅛	56-16d	20-16d	7640	14995	5425	10645
HGUS214-4	12	6 9/16	12⅝	4	11⅛	66-16d	22-16d	10130	16400	7195	11645

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

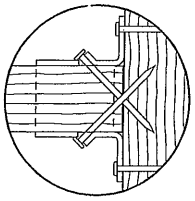


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

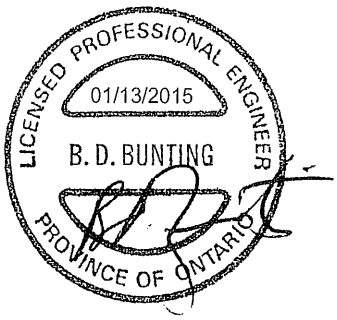
U.S. Patent 5,603,580



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



Double Shear Nailing Top View.



LIMIT STATES DESIGN

This technical bulletin is effective until December 31, 2016, and reflects information available as of January 1, 2015. This information is updated periodically and should not be relied upon after December 31, 2016; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

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TECHNICAL BULLETIN

HUS/LJS – Double Shear Joist Hangers

SIMPSON Strong-Tie®

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

MATERIAL: See table

FINISH: G90 galvanized

DESIGN:

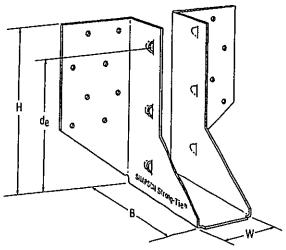
- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15% No further increase is permitted
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

INSTALLATION:

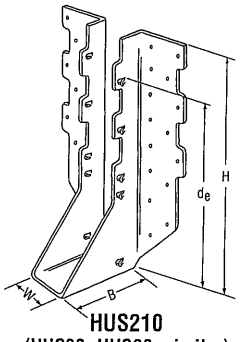
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

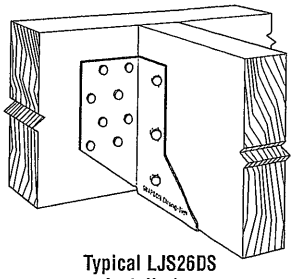
- See current catalogue for options



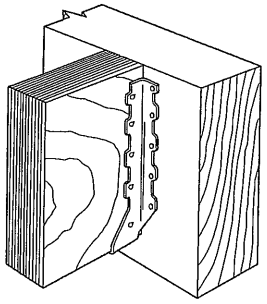
LJS26DS



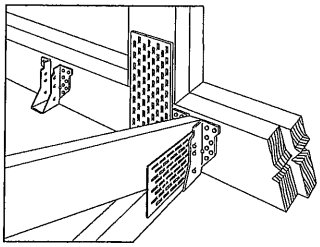
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS Installation



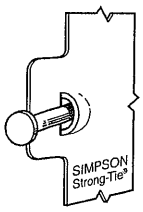
Typical HUS Installation



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

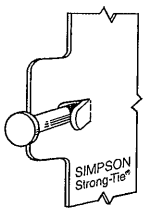
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
LJS26DS	18	1 9/16	5	3½	4⅝	16-16d	6-16d	2055	4265	1460	4115
HUS26	16	1⅝	5⅜	3	3 15/16	14-16d	6-16d	2705	4940	2065	3875
HUS28	16	1⅝	7 3/32	3	6 3/32	22-16d	8-16d	3605	5365	2675	4345
HUS210	16	1⅝	9 3/32	3	7 31/32	30-16d	10-16d	4505	5795	4010	4740
HUS1.81/10	16	1 13/16	9	3	8	30-16d	10-16d	4505	6450	4010	5200

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

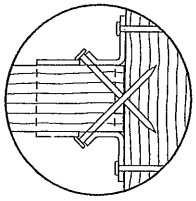


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

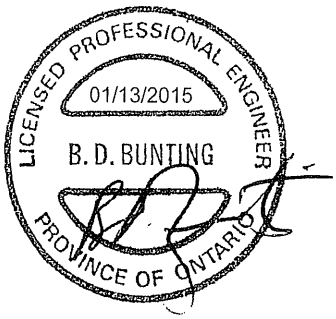
U.S. Patent 5,603,580



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



Double Shear Nailing Top View.



LIMIT STATES DESIGN

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TECHNICAL BULLETIN

LUS – Double Shear Joist Hangers

SIMPSON Strong-Tie®

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

MATERIAL: 18 gauge

FINISH: G90 galvanized

DESIGN:

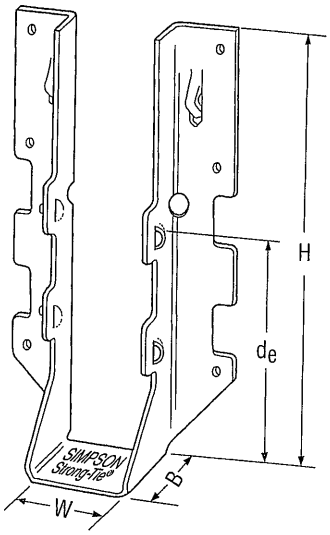
- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

INSTALLATION:

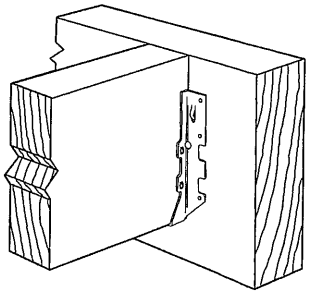
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire, 10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

- These hangers cannot be modified.



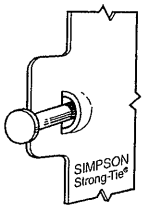
LUS28



Typical LUS Installation

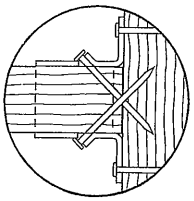
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
LUS24	18	1 9/16	3 1/8	1 3/4	1 15/16	4-10d	2-10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/8	2	1 13/16	4-16d	2-16d	835	2020	590	1435
LUS26	18	1 9/16	4 3/4	1 3/4	3 5/8	4-10d	4-10d	1420	2170	1290	1630
LUS26-2	18	3 1/8	4 7/8	2	4	4-16d	4-16d	1720	2595	1545	1920
LUS26-3	18	4 5/8	4 3/16	2	3 1/4	4-16d	4-16d	1720	2595	1545	2340
LUS28	18	1 9/16	6 5/8	1 3/4	3 3/4	6-10d	4-10d	1420	2520	1290	1790
LUS28-2	18	3 1/8	7	2	4	6-16d	4-16d	1720	3325	1545	2575
LUS28-3	18	4 5/8	6 1/4	2	3 1/4	6-16d	4-16d	1720	3325	1545	2375
LUS210	18	1 9/16	7 13/16	1 3/4	3 7/8	8-10d	4-10d	1420	2785	1290	2210
LUS210-2	18	3 1/8	9	2	6	8-16d	6-16d	2580	4500	2320	3195
LUS210-3	18	4 5/8	8 3/16	2	5 1/4	8-16d	6-16d	2580	3345	2320	2375

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

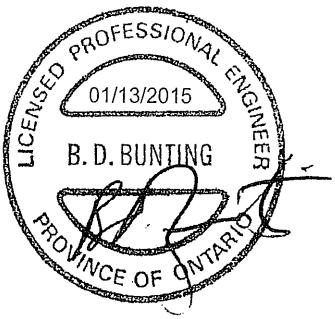


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,603,580



Double Shear Nailing Top View.



LIMIT STATES DESIGN

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ONTARIO WOOD TRUSS
FABRICATORS ASSOCIATION

TECH-NOTES

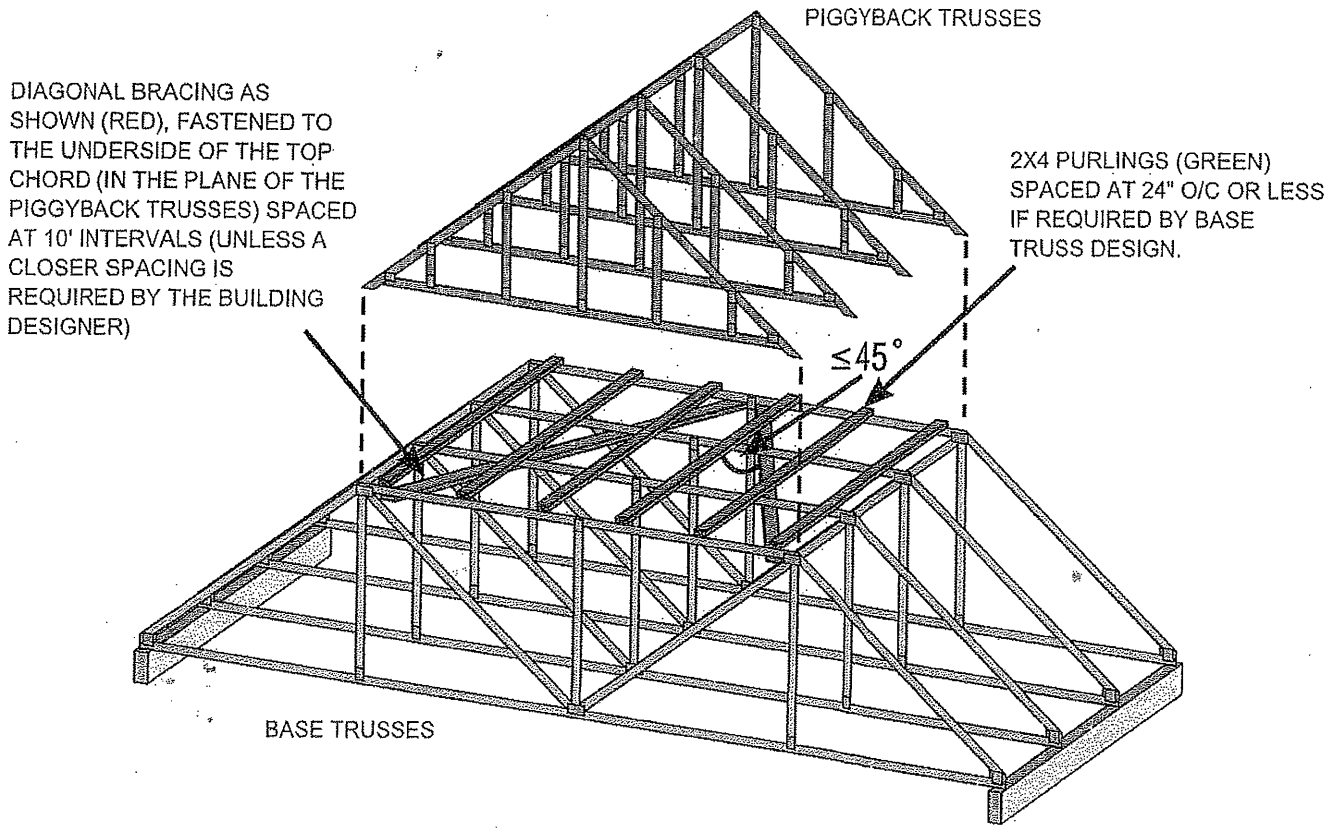
TN 15-001
Piggyback Bracing

Overview:

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

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

Detail:



NOTE: THE SLOPED PORTION OF THE TOP CHORD OF THE BASE TRUSS AND PIGGYBACK TRUSS IN THIS SKETCH IS ASSUMED TO BE SHEATHED IN ACCORDANCE WITH THE OBC.

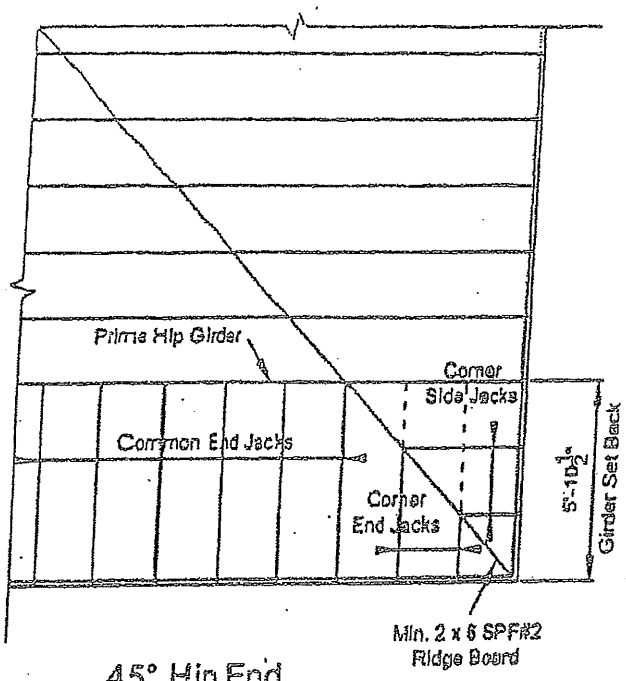
SKETCH FROM BCSI-CANADA 2013

Disclaimer:

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

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.

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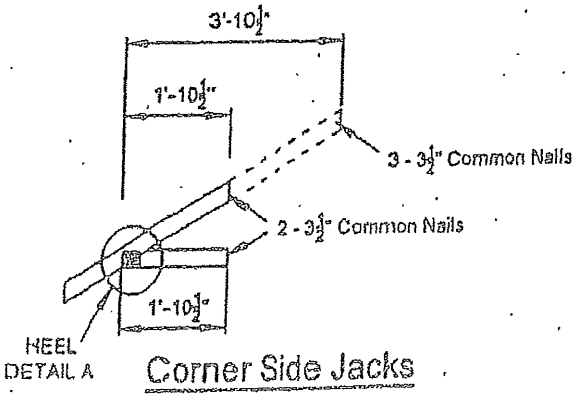
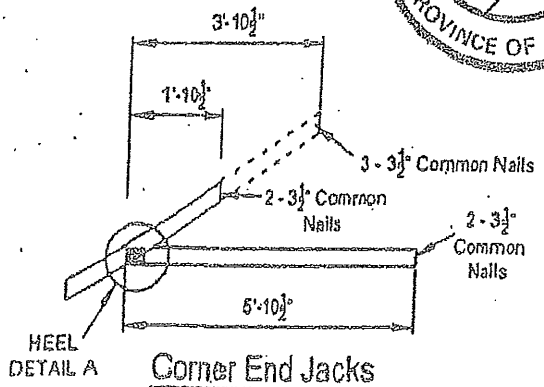
COMPONENT ONLY

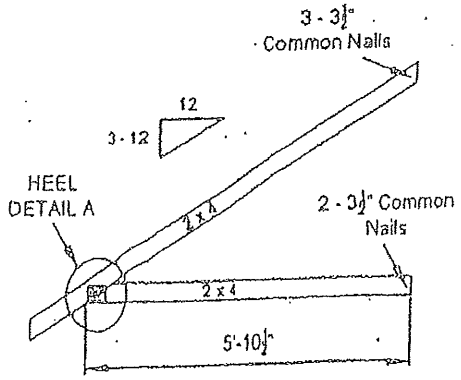
LICENSED PROFESSIONAL ENGINEER
1-20-14
S. KATSOULAKOS
PROVINCE OF ONTARIO



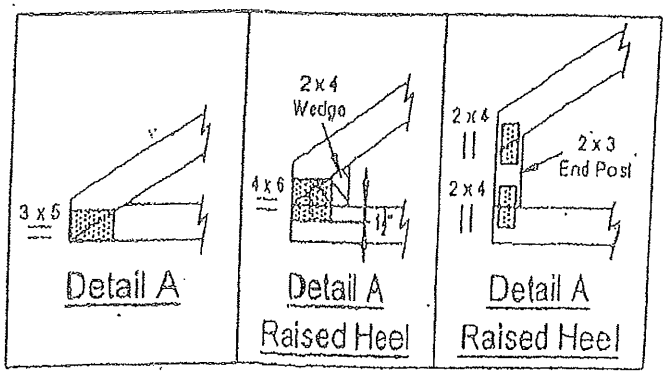
Corner Side Jacks



Corner End Jacks



Common End Jacks



Detail A

Detail A Raised Heel

Detail A Raised Heel

NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

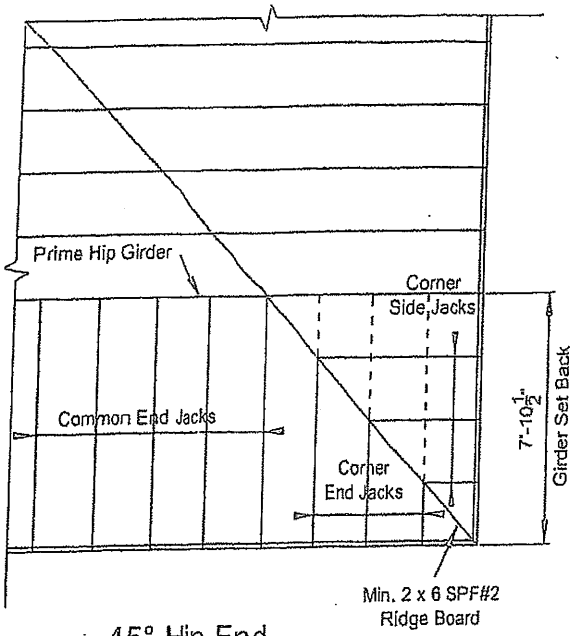
MICRO CITY ENGINEERING SERVICES INC.

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



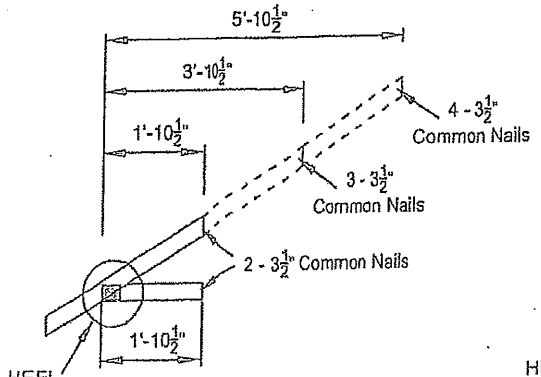
45° Hip End

DESIGN LOAD:

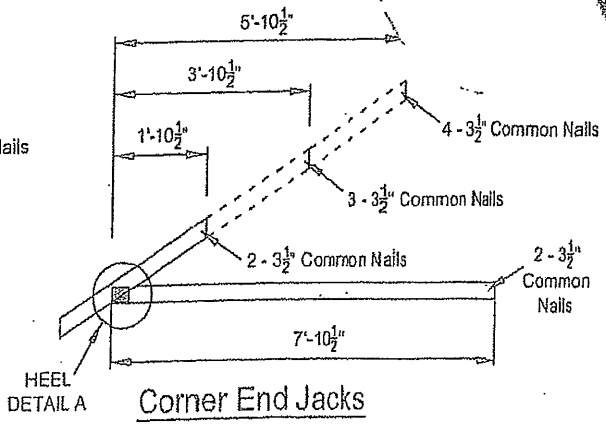
TOP CHORD LIVE LOAD	:	34.8 P.S.F.
TOP CHORD DEAD LOAD	:	3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	:	0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	:	7.0 P.S.F.
TOTAL LOAD	:	44.8 P.S.F.

DWG NO TAM 3503.14
STRUCTURAL
COMPONENT ONLY

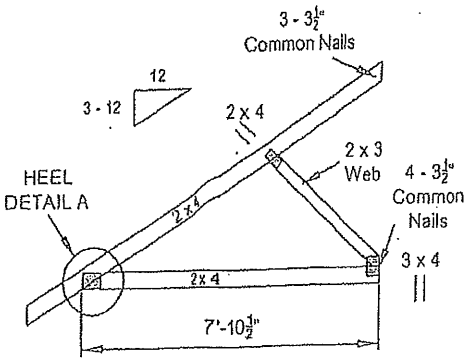
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



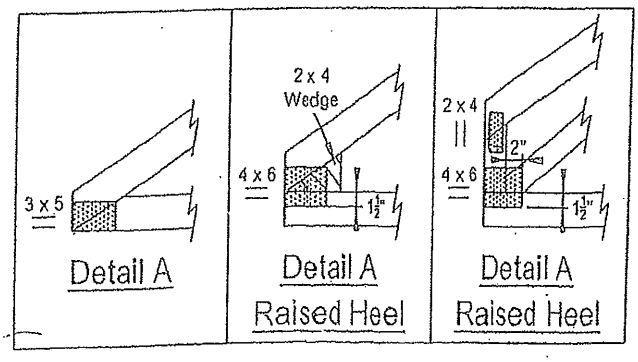
Corner Side Jacks



Corner End Jacks



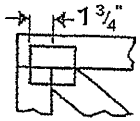
Common End Jacks



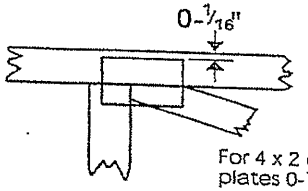
NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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

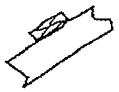
*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 X 4

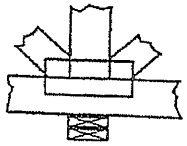
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

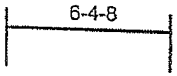
Industry Standards:

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

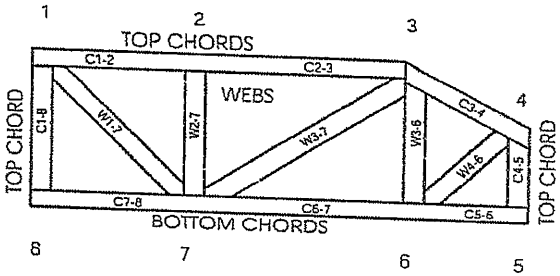
DSB-89: Design Standard for Bracing.

BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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



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

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

PRODUCT CODE APPROVALS

· CCMC Reports:

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

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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.

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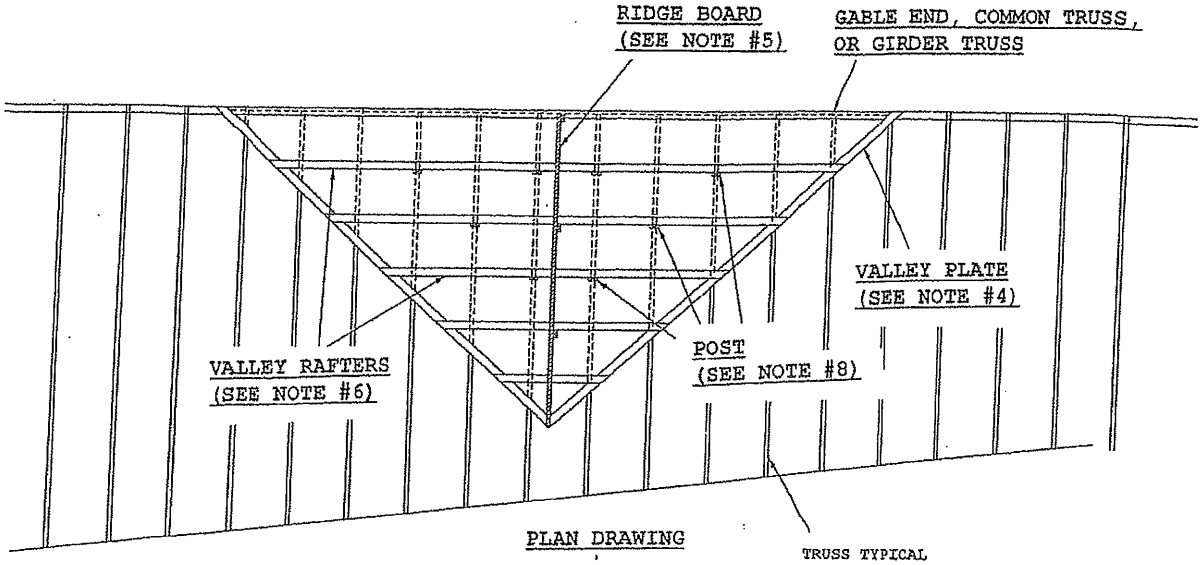
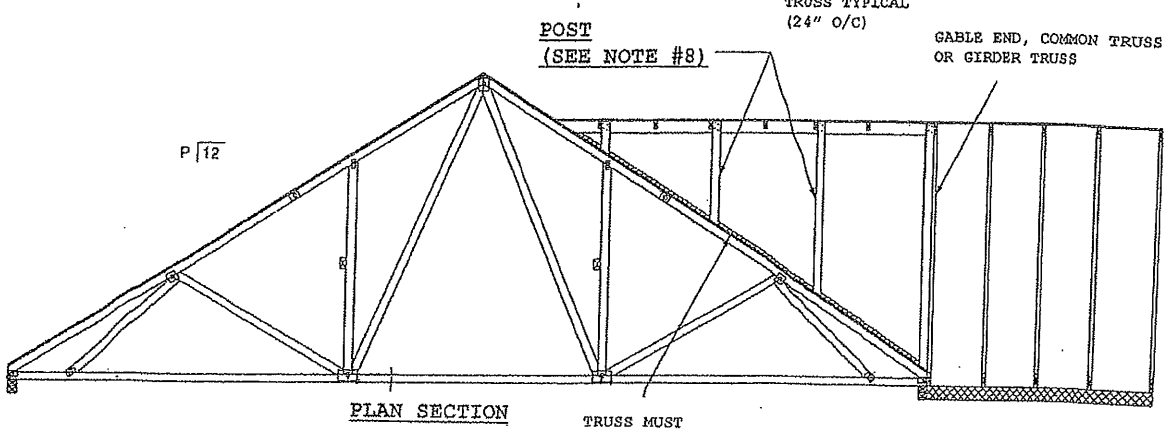
CONVENTIONAL VALLEY FRAMING DETAIL



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
3-5-74
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO TAM 6305.14
STRUCTURAL
COMPONENT ONLY

Micro City Engineering Services Inc.
(BCIN: 26064; FIRM BCIN: 29991)
RR #1, Po Box 61
Glencoe, Ontario
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LICENSED PROFESSIONAL ENGINEER
1-2079
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO [illegible] 14
STRUCTURAL
COMPONENT ONLY

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.