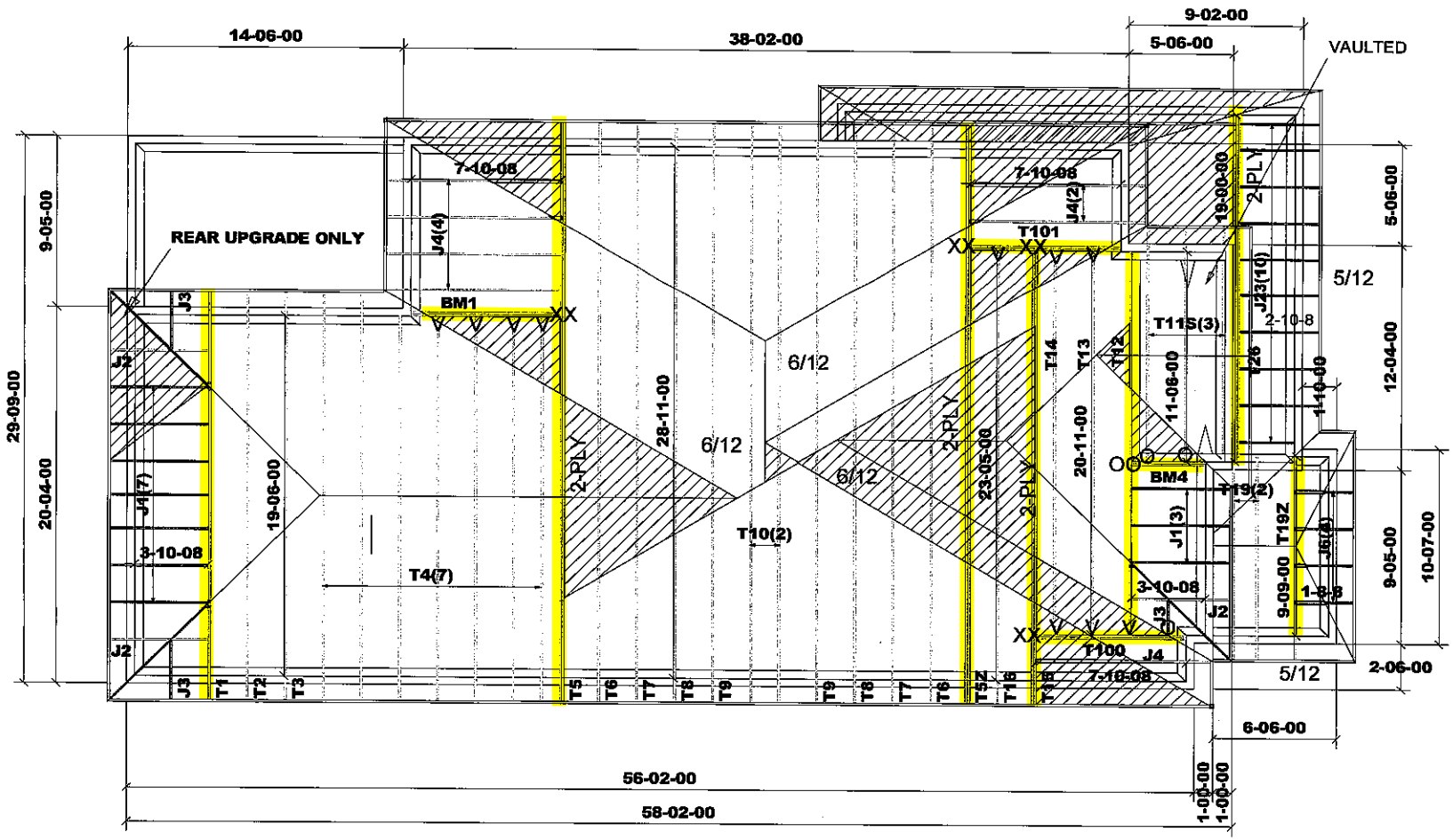
TOWN OF BRADFORD WEST GWILLIMBURY
BUILDING DEPARTMENT
PLANS EXAMINED
ONTARIO BUILDING CODE APPLIES
DATE: 2018-10-25
INSPECTOR: BG

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LUS24(O)
LJS26DS(V)
HGUS26-2(XX)
LUS24-2(OO)

SITE COPY

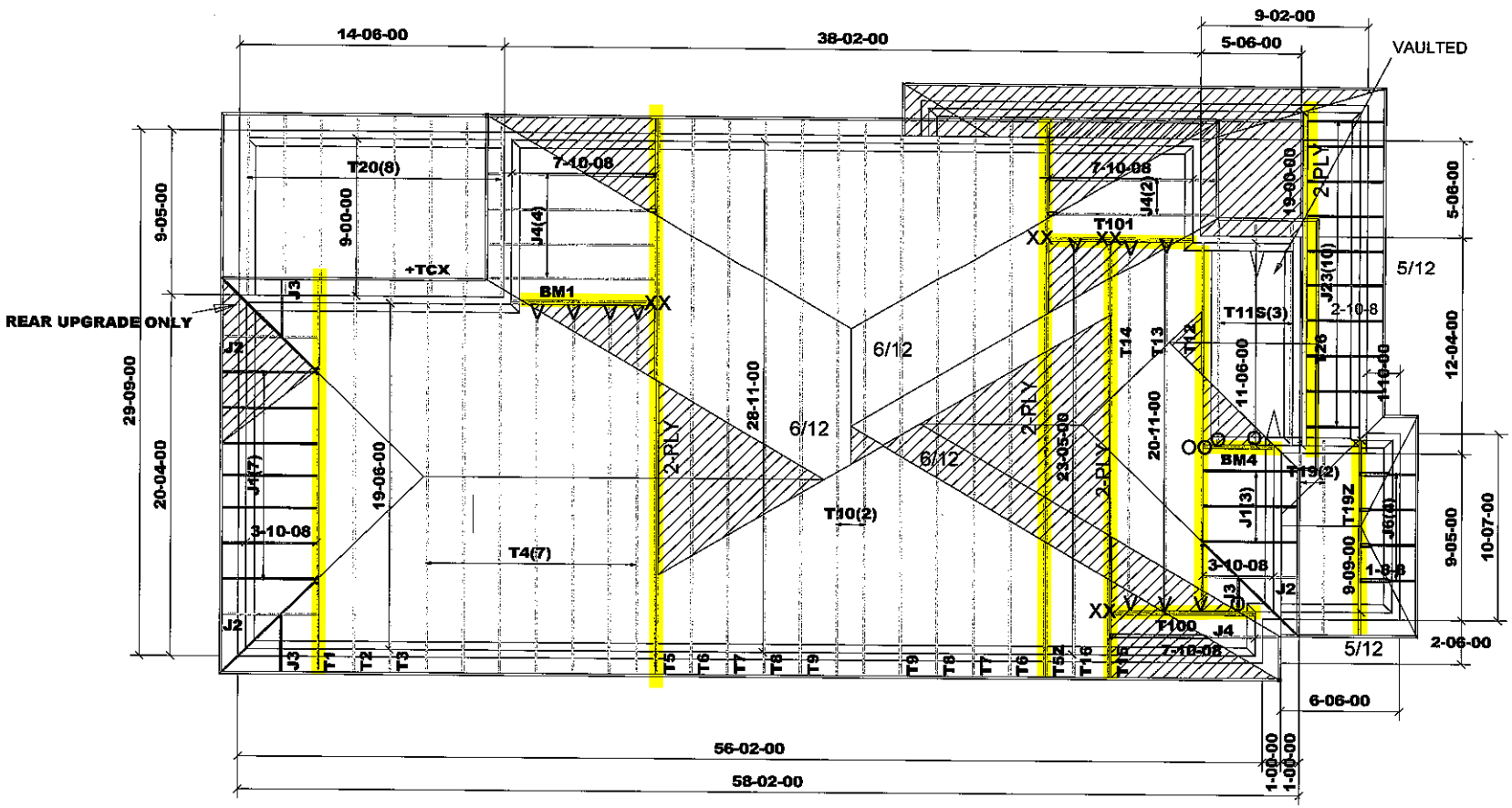
M11,447

Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S38-5 / A
Layout ID: 287484	Project: GREEN VALLEY EAST	
Plan Log: 96660	Date: 2/27/2018 Designer: JG	

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LUS24(O)
LJS26DS(V)
HGUS26-2(XX)
LUS24-2(OO)

SITE COPY

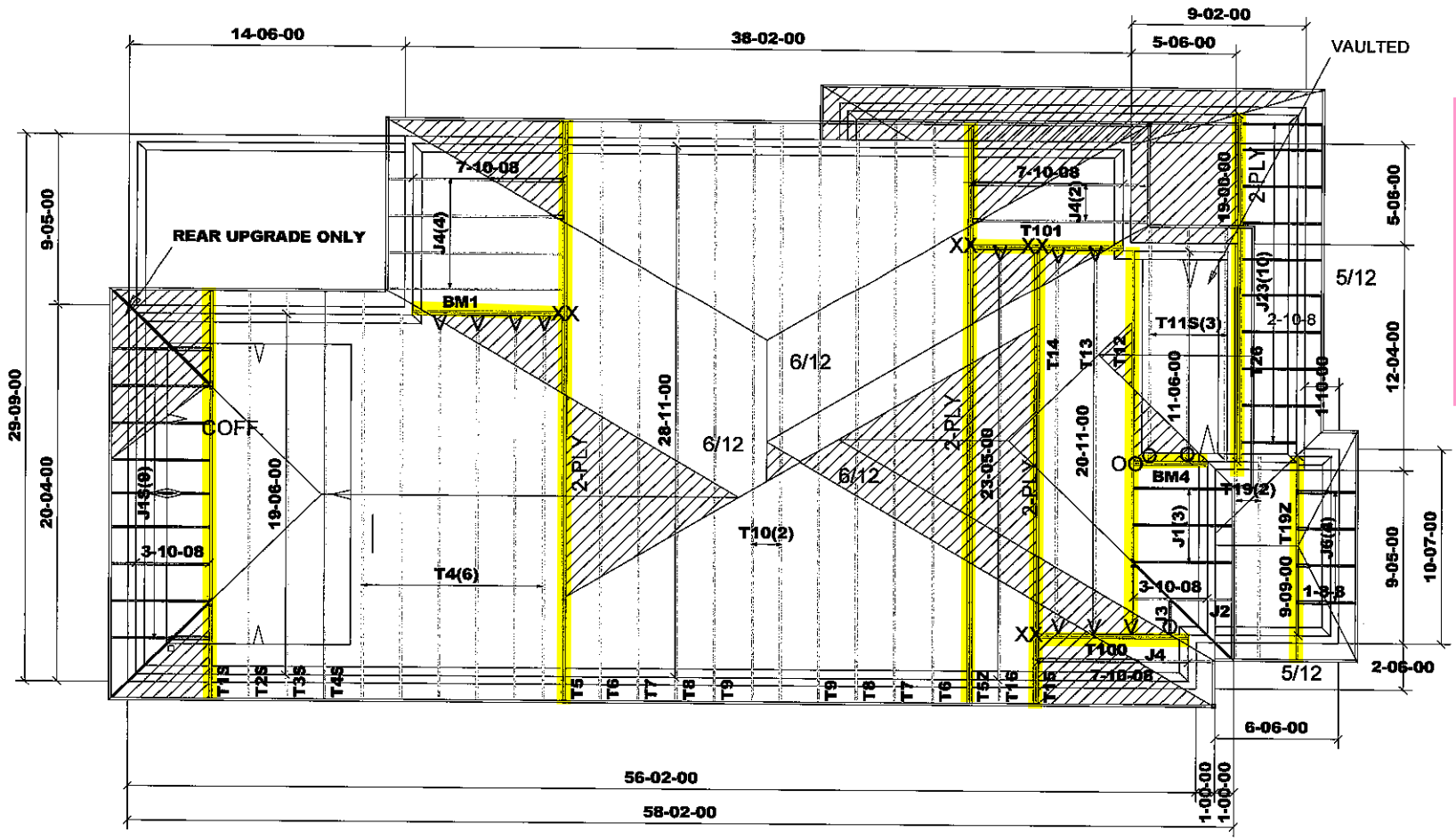
M11,447

TAMARACK LUMBER INC. / ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD
	Layout ID: 295219	Model / Elevation: S38-5 / A-OPT.LOGGIA
	Plan Log: 96660	Project: GREEN VALLEY EAST
		Date: 2/27/2018 Designer: JG

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LUS24(O)
LJS26DS(V)
HGUS26-2(XX)
LUS24-2(OO)

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track: 44755
Layout ID: 295218
Plan Log: 96660

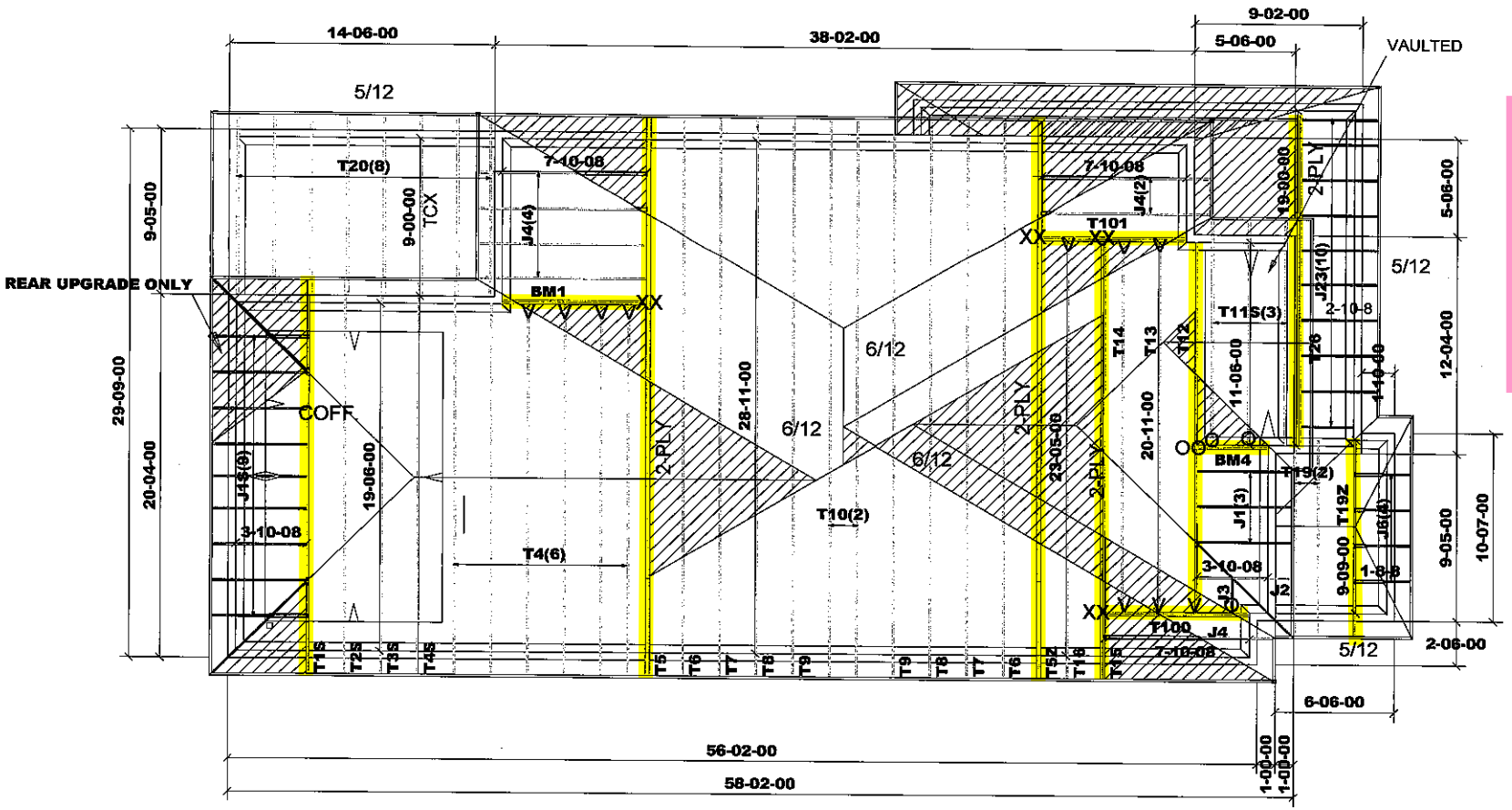
Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD
Project: GREEN VALLEY EAST
Date: 2/27/2018 Designer: JG

Model / Elevation: S38-5 / A-OPT.COFF

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LUS24(O)
LJS26DS(V)
HGUS26-2(XX)
LUS24-2(OO)

SITE COPY

M11,447

TAMARACK LUMBER INC. — ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	287481
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Project: **GREEN VALLEY EAST**

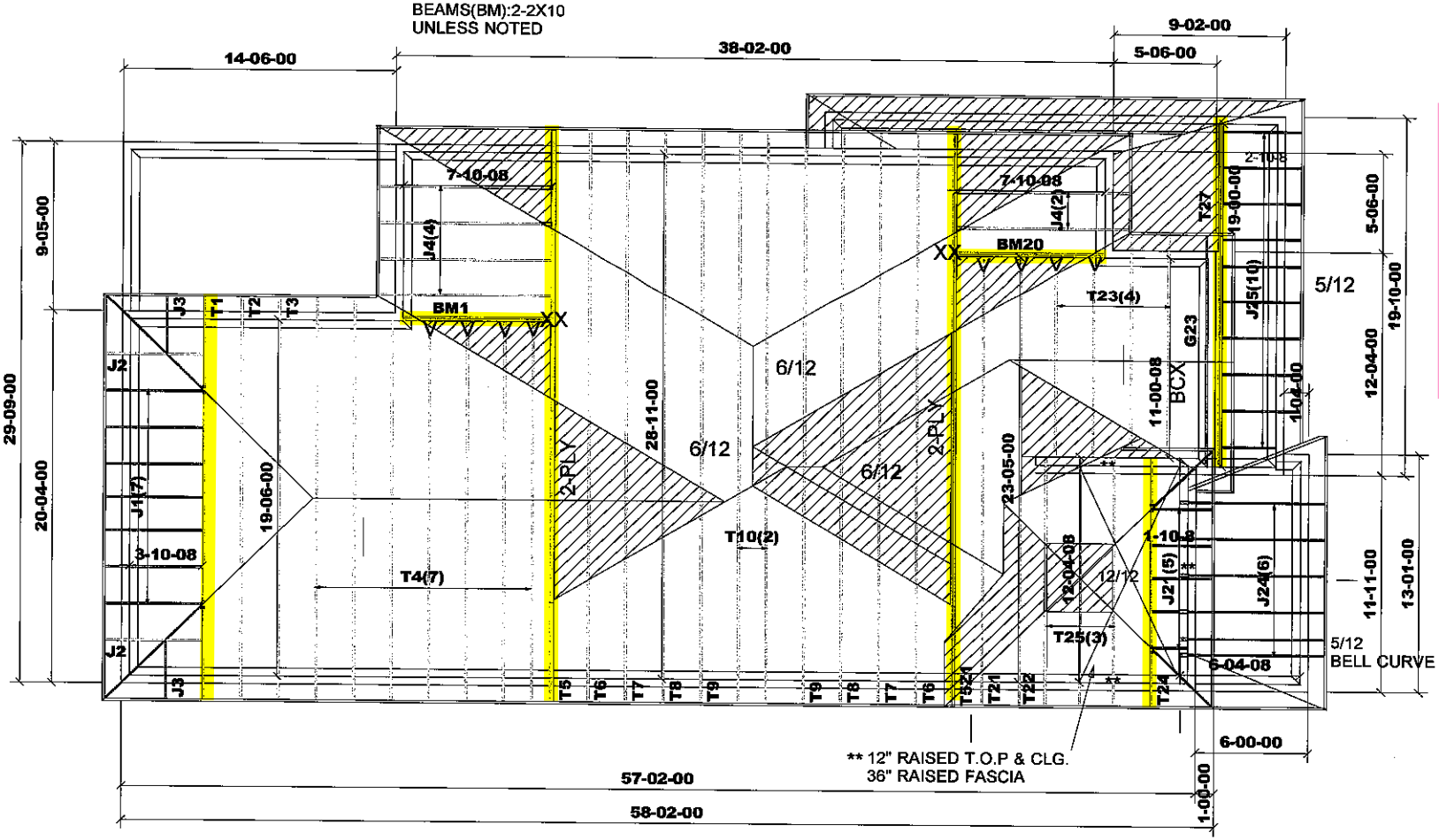
Date: 2/27/2018 Designer: JG

Model / Elevation: **S38-5 / A-OPT.COFF WITH .LOGGIA**

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	287485
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Project: **GREEN VALLEY EAST**

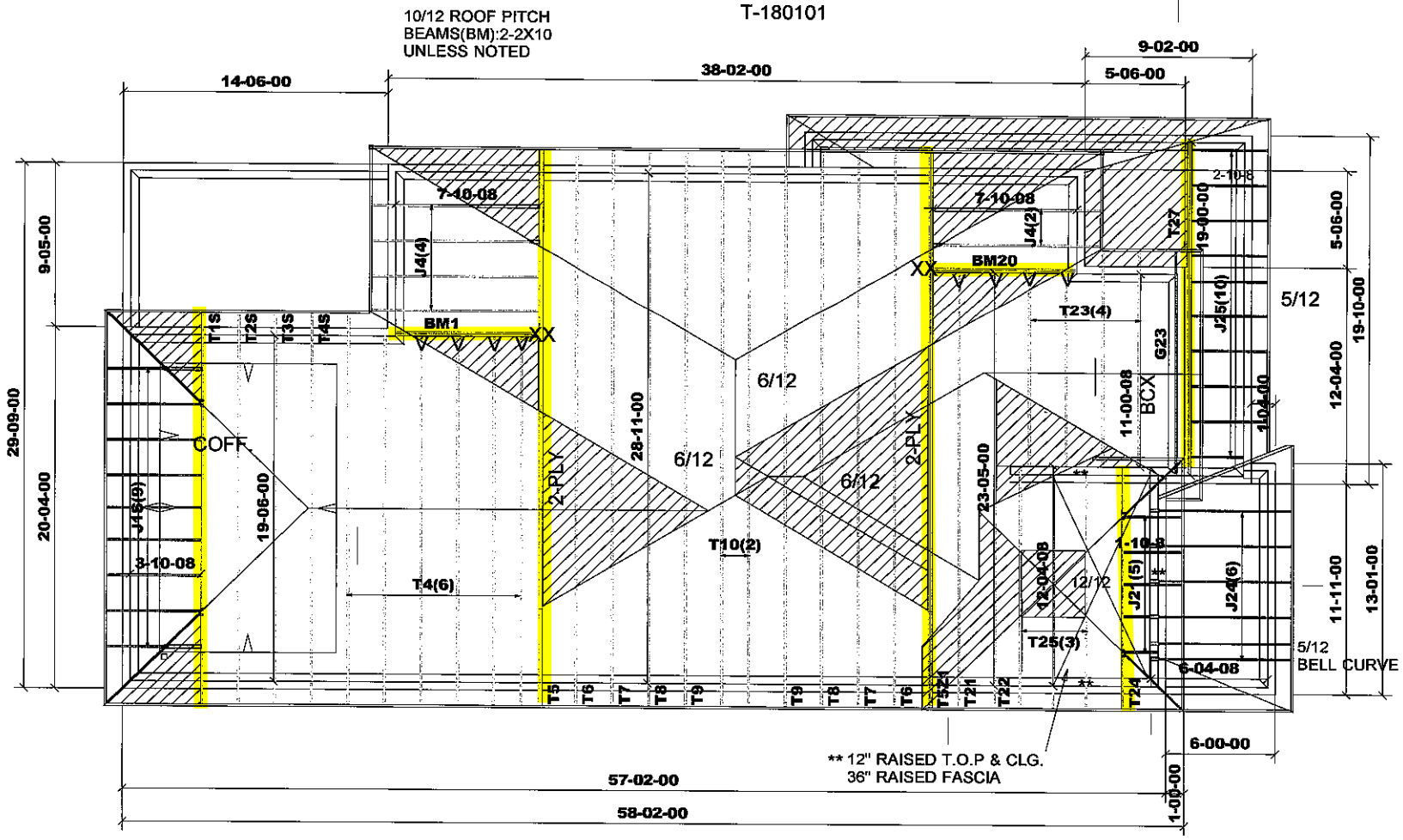
Date: 2/27/2018 Designer: JG

Model / Elevation: **S38-5 / B**

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



** 12" RAISED T.O.P & CLG.
36" RAISED FASCIA

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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC.
APA LUMBER GROUP

Job Track:	44755
Layout ID:	295232
Plan Log:	96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

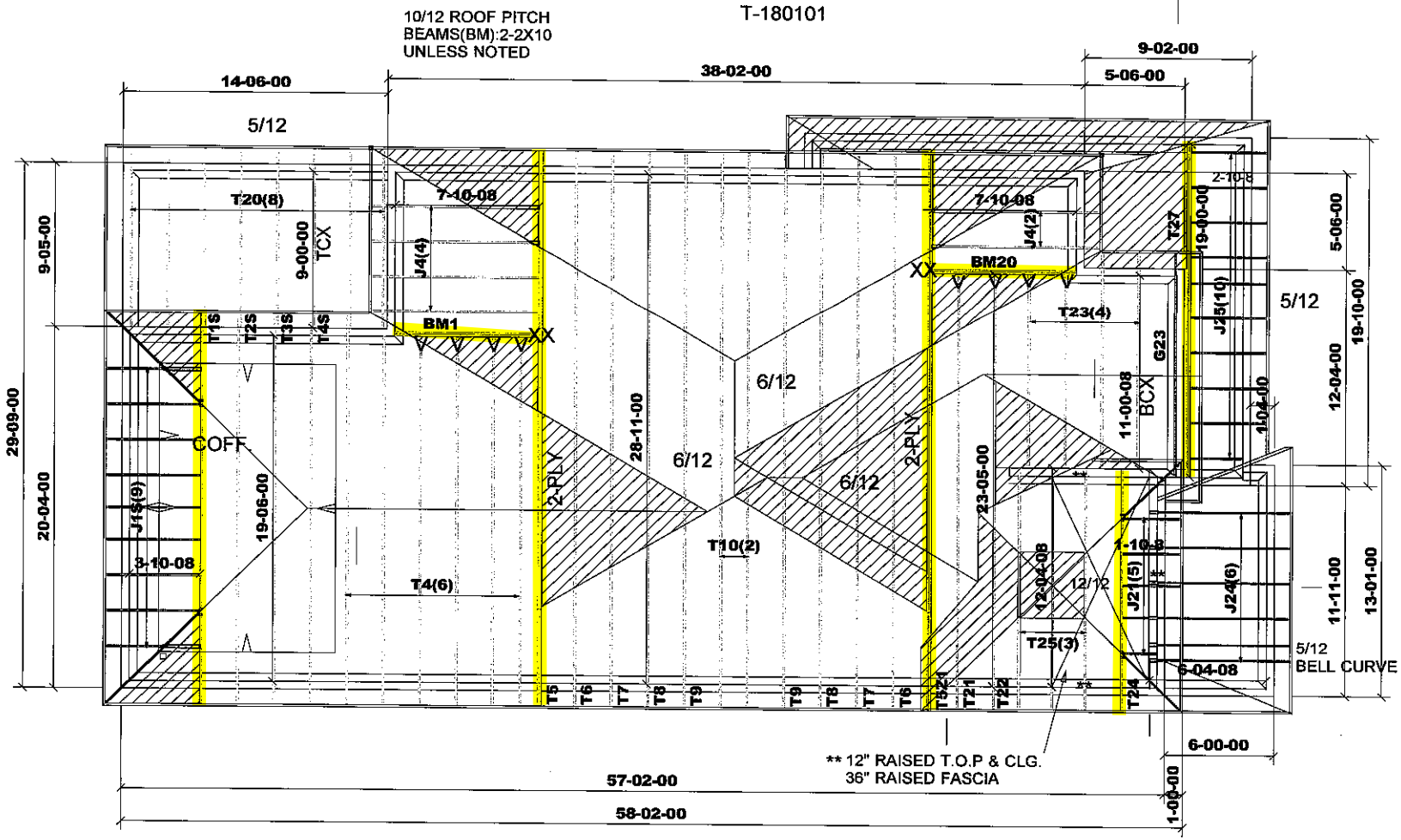
Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B-OPT.COFF .

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

5/12
BELL CURVE

SITE COPY

M11,447

TAMARACK LUMBER INC.

Job Track:	44755
Layout ID:	287482
Plan Log:	96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

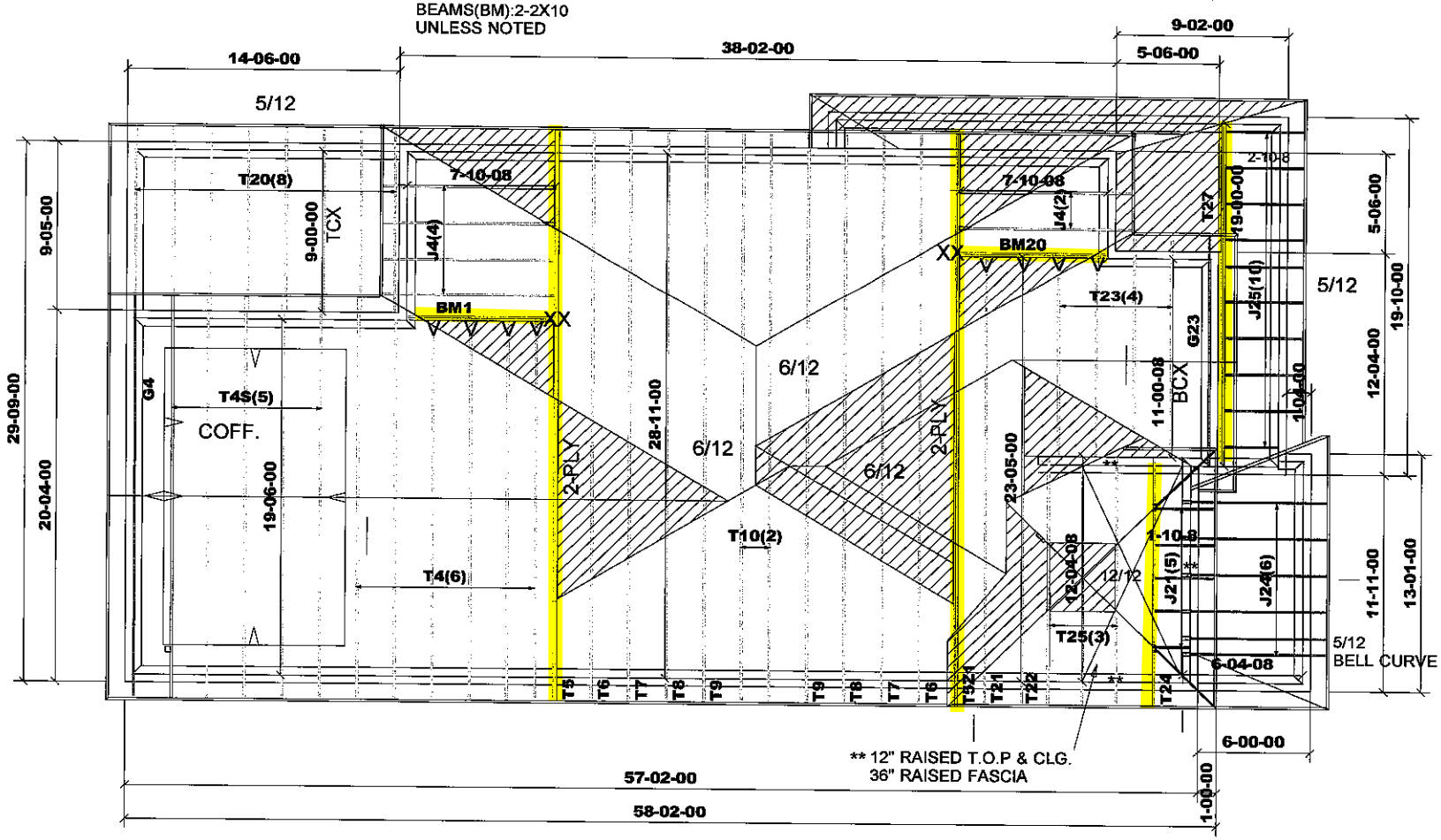
Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B-OPT.COFF . - LOGGIA

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	295229
Plan Log:	96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

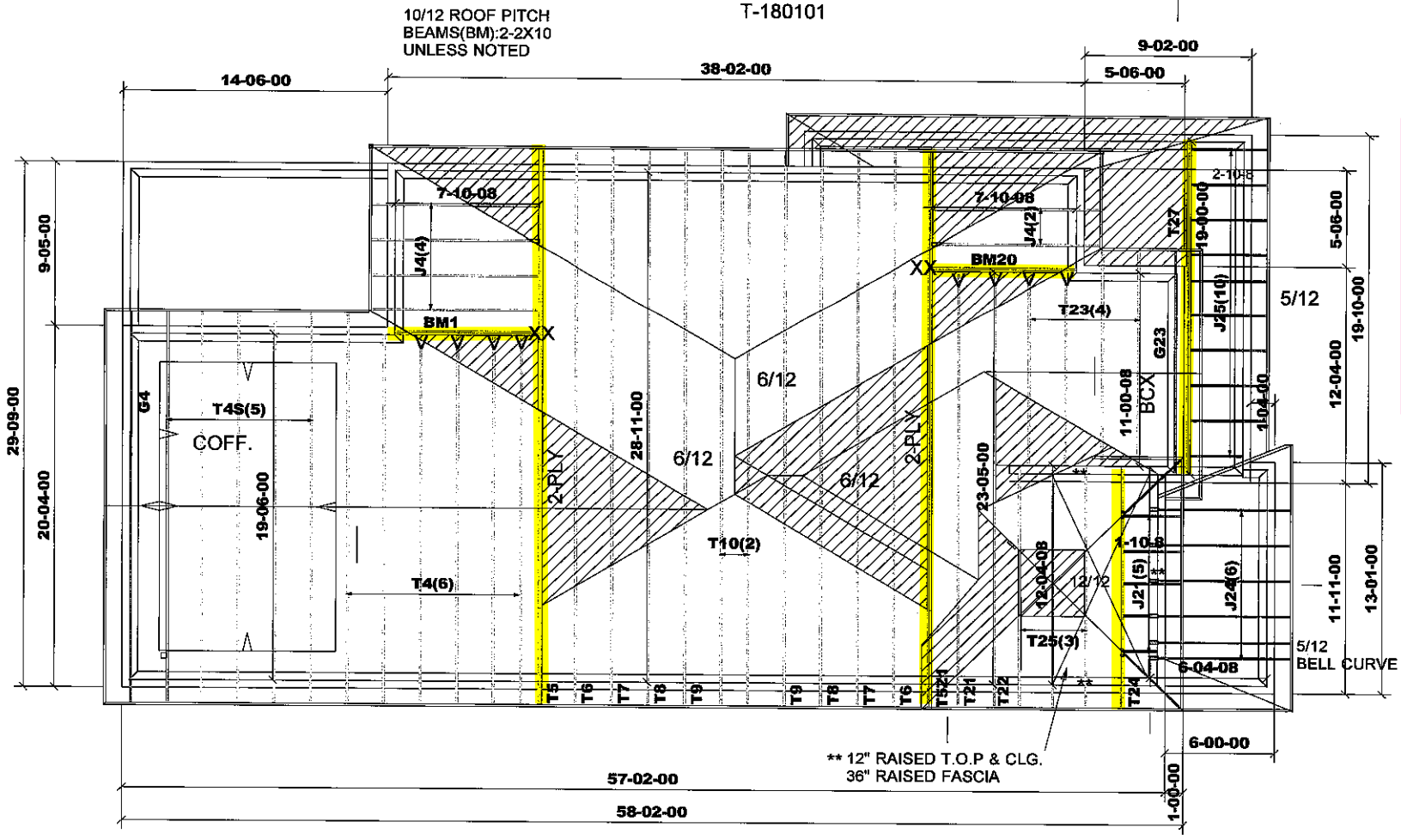
Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B-OPT.COFF -LOGGIA-REAR UPGRADE

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK TRUSS INC. ALPA LUMBER GROUP

Job Track: 44755
Layout ID: 295230
Plan Log: 96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

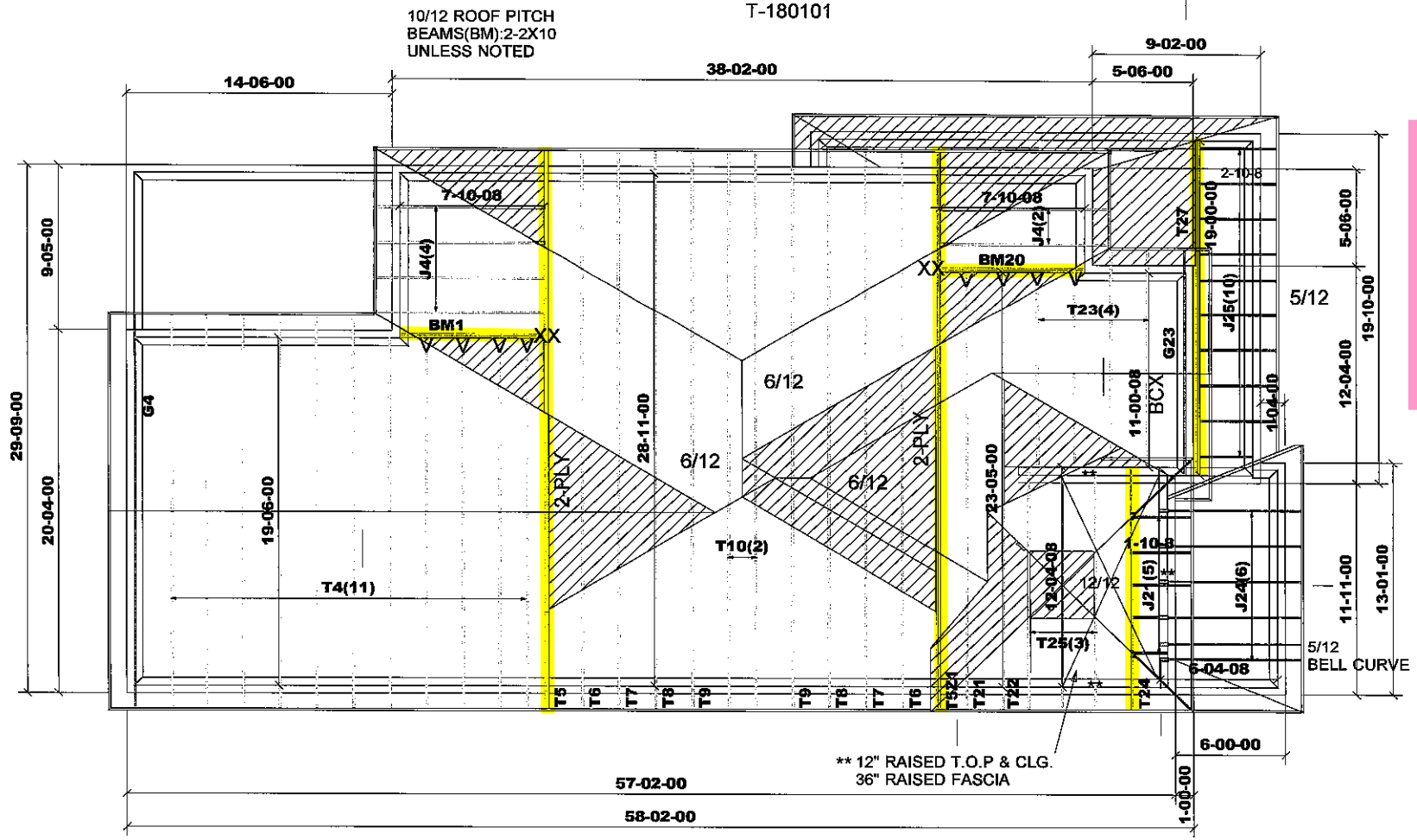
Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B-OPT.COFF --REAR UPGRADE

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



** 12" RAISED T.O.P & CLG.
36" RAISED FASCIA

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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	287523
Plan Log:	96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

Project: **GREEN VALLEY EAST**

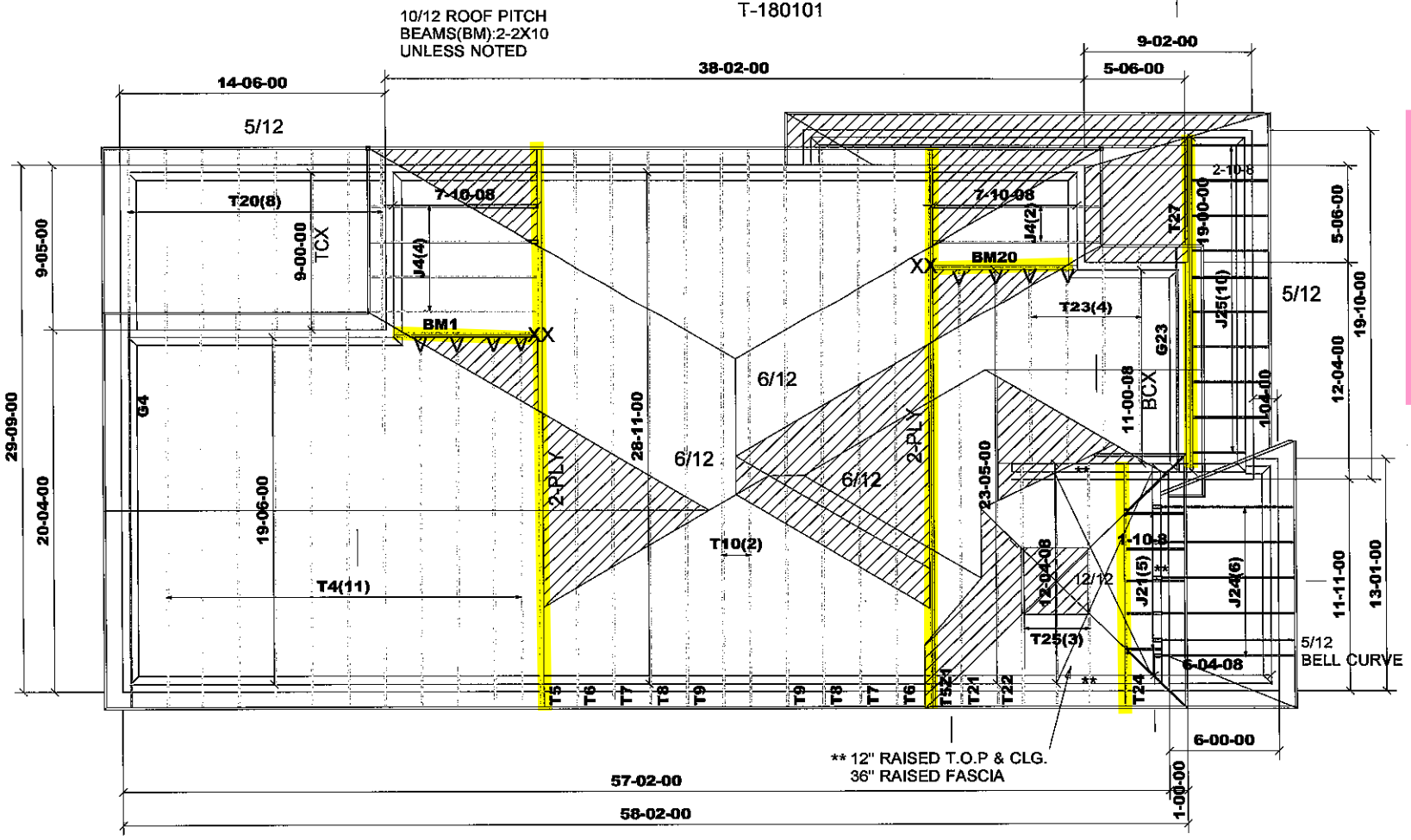
Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B --REAR UPGRADE

Mitek ver 7.5.0

T-180101

10/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED



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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

Job Track:	44755
Layout ID:	295231
Plan Log:	96660

Builder / Location:
BAYVIEW WELLINGTON HOMES / BRADFORD

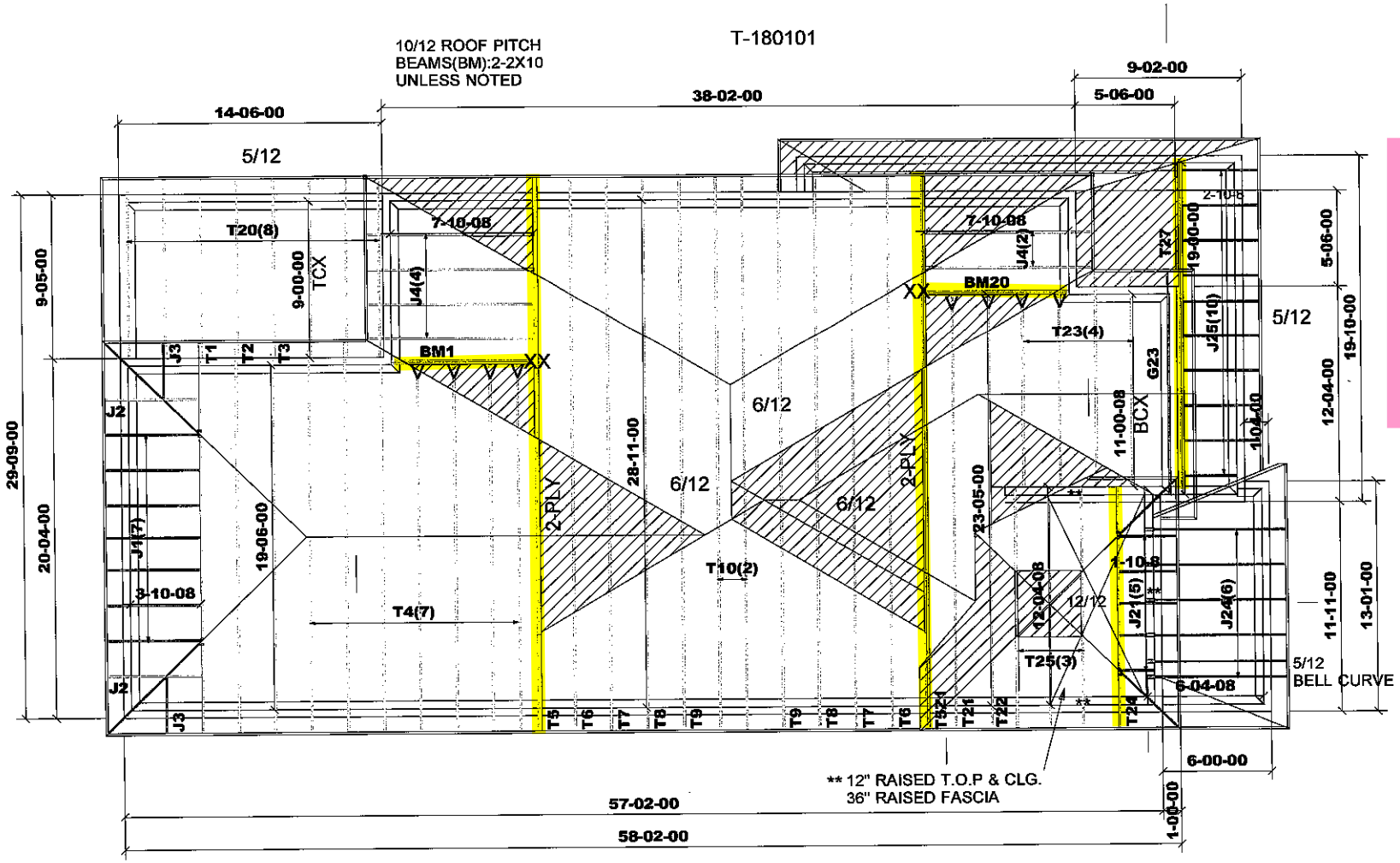
Project: **GREEN VALLEY EAST**

Date: 2/27/2018 Designer: JG

Model / Elevation:
S38-5 / B- OPT.LOGGIA-REAR UPGRADE

Mitek ver 7.5.0

T-180101



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	295233
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Project: **GREEN VALLEY EAST**

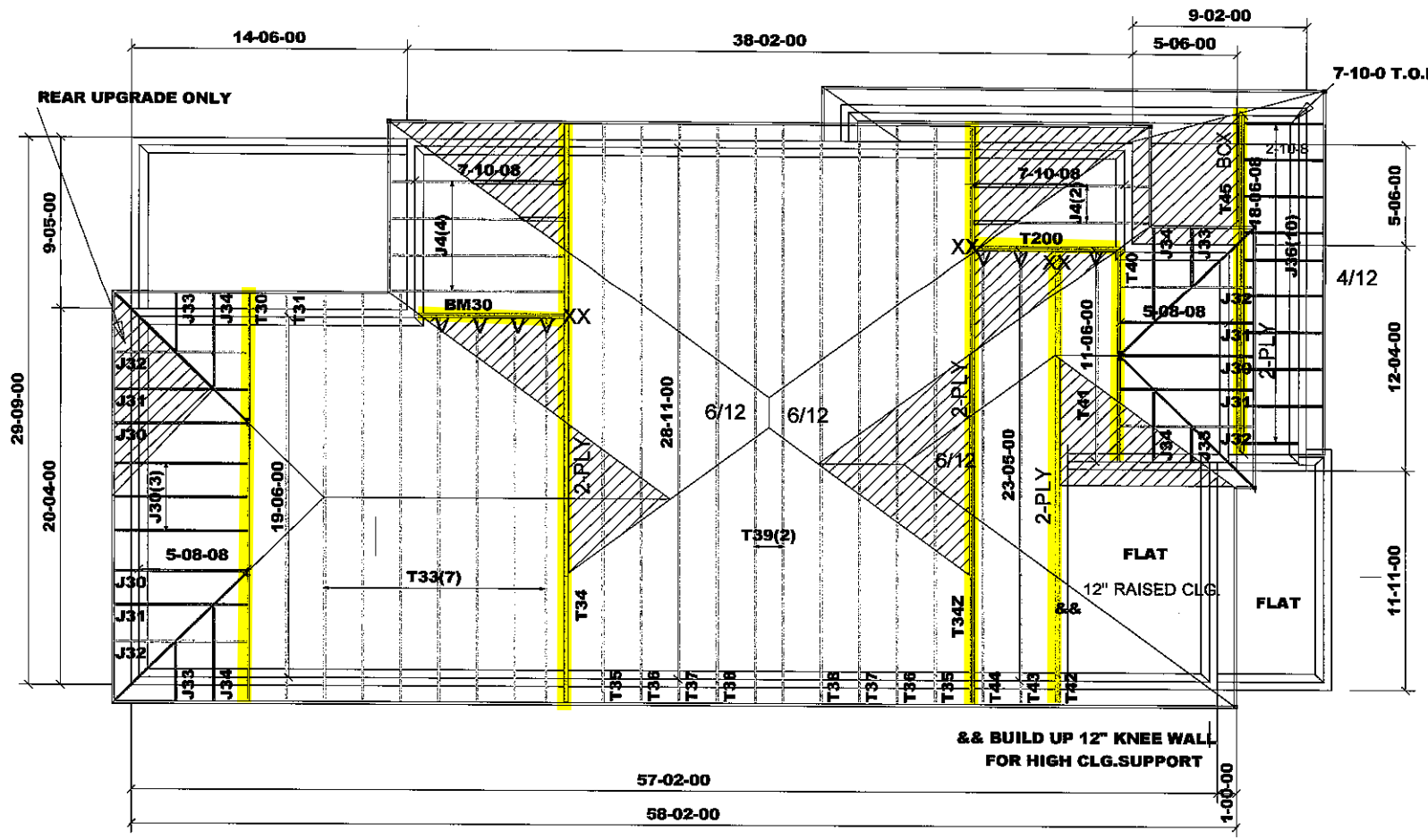
Date: 2/27/2018 Designer: JG

Model / Elevation: **S38-5 / B-OPT.LOGGIA**

Mitek ver 7.5.0

8/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED

T-180101



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

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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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	287486
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Model / Elevation: **S38-5 / C**

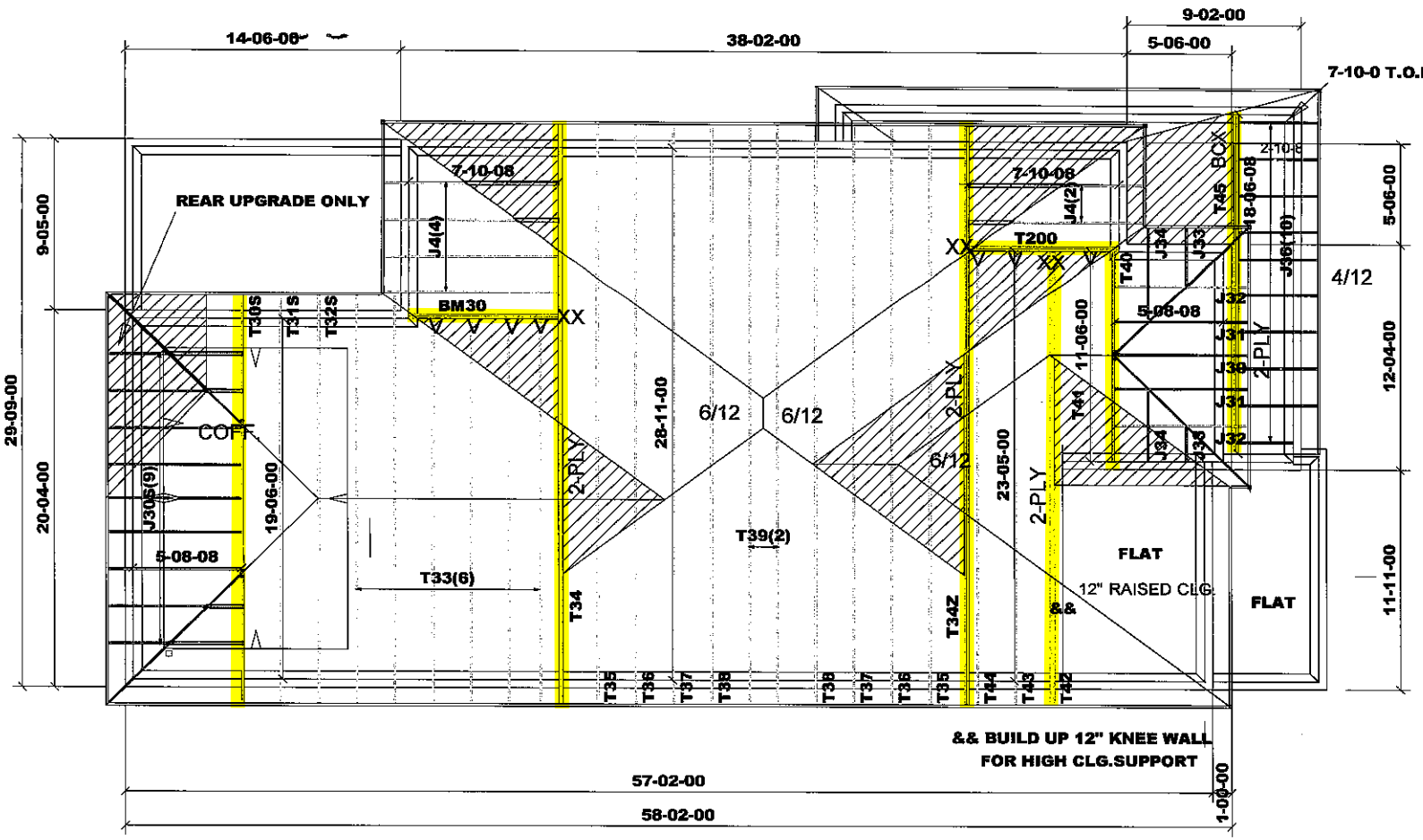
Project: **GREEN VALLEY EAST**

Date: 2/28/2018 Designer: JG

Mitek ver 7.5.0

8/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED

T-180101



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= 2.1kPa

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

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. — AIPA LUMBER GROUP

Job Track:	44755
Layout ID:	295251
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Model / Elevation: **S38-5 / C-OPT.COFF.**

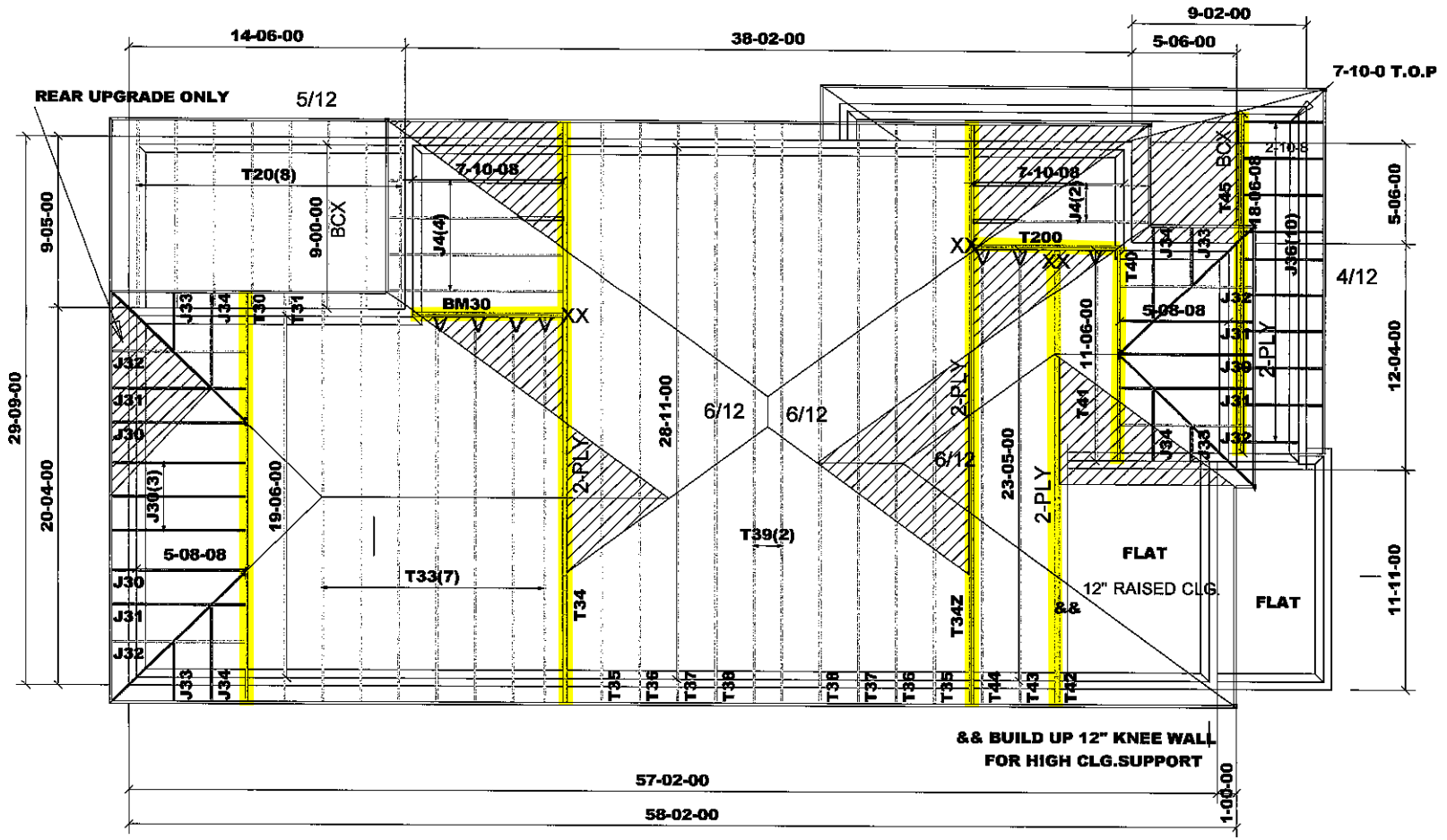
Project: **GREEN VALLEY EAST**

Date: 2/28/2018 Designer: JG

Mitek ver 7.5.0

8/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED

T-180101



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11,447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	295250
Plan Log:	96660

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Project: **GREEN VALLEY EAST**

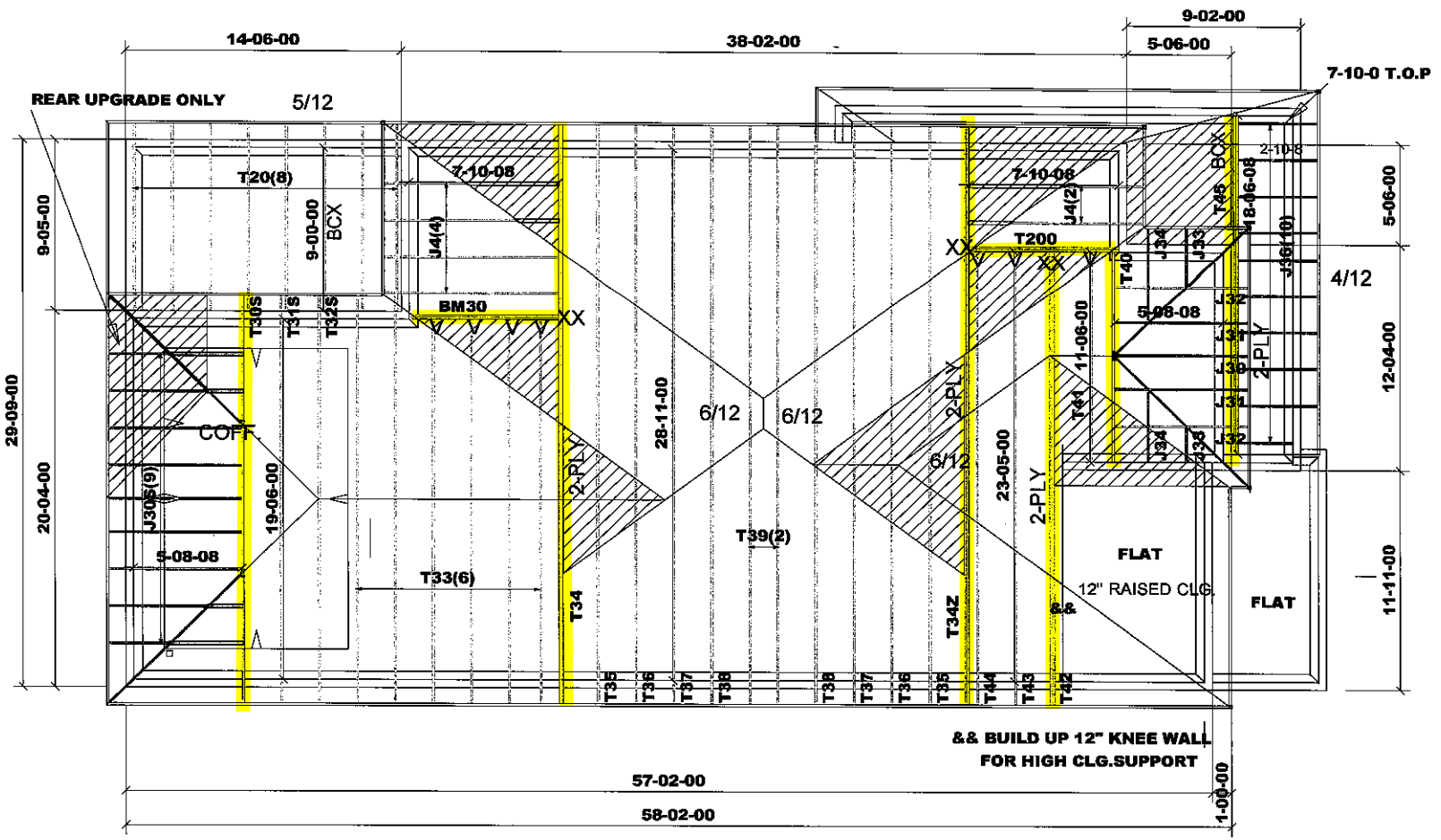
Date: 2/28/2018 Designer: JG

Model / Elevation: **S38-5 / C-OPT.LOGGIA**

Mitek ver 7.5.0

8/12 ROOF PITCH
BEAMS(BM):2-2X10
UNLESS NOTED

T-180101



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= 2.1kPa
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

DENOTES CONVENTIONAL FRAMING

HARDWARE
LJS26DS(V)
HGUS26-2(XX)

SITE COPY

M11447

TAMARACK LUMBER INC. ALPA LUMBER GROUP

Job Track:	44755
Layout ID:	287483
Plan Log:	93767

Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**

Project: **GREEN VALLEY EAST**

Date: 2/28/2018 Designer: JG

Model / Elevation: **S38-5 / C-OPT.COFF WIHT LOGGIA**

Mitek ver 7.5.0

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

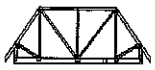
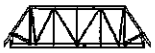
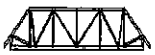
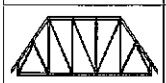
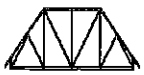
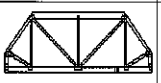
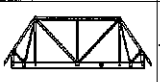
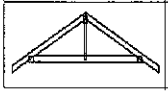
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287484 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 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	T1 HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	95.70 59.83		
	1	T2 HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.18 57.67		
	1	T3 HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.84 60.50		
	7	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	657.65 413.00		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	3	T11S SCISSORS	10.00 4.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	166.62 110.49		
	1	T12 HIP GIRDER	10.00 0.00	20-11-00	04-10-07	2 X 4	2 X 6	00-00-00 00-00-00	01-07-11 01-07-11	105.09 66.00		
	1	T13 HIP	10.00 0.00	20-11-00	06-06-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	95.97 61.00		
	1	T14 HIP	10.00 0.00	20-11-00	08-02-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	94.78 59.83		
	1 2 Ply	T15 HIP GIRDER	10.00 0.00	23-05-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	231.32 147.66		
	1	T16 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	2	T19 COMMON	5.00 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 01-03-08	00-04-01 00-04-01	56.12 34.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

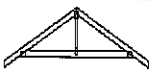
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287484 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 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	T19Z COMMON	5.00 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 01-03-08	00-04-01 00-04-01	28.06 17.00		
	1 2 Ply	T26 FLAT GIRDER	0.00 0.00	19-00-00	01-06-07	2 X 4	2 X 4	00-00-00 00-00-00	01-06-07 01-06-07	125.28 79.00		
	1 2 Ply	T100 HALF HIP	6.00 0.00	07-10-08	03-06-03	2 X 4	2 X 6	00-00-00 00-00-00	01-02-00 03-06-03	78.24 50.34		
	1 2 Ply	T101 JACK-CLOSED	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 6	00-00-00 00-00-00	01-02-00 05-01-04	78.06 48.66		
	10	J1 JACK-OPEN	10.00 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-10-07	155.70 101.70		
	3	J2 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 02-01-01	01-07-11 00-03-08	36.06 24.99		
	3	J3 JACK-OPEN	10.00 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 -00-01-01	01-07-11 00-03-08	23.64 17.01		
	7	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	211.54 135.31		
	4	J6 JACK-OPEN	10.00 0.00	01-08-08	02-04-03	2 X 4	2 X 4	01-03-08 00-00-00	00-11-02 02-04-03	29.00 21.32		
	10	J23 JACK-OPEN	5.00 0.00	02-10-08	01-06-07	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 01-06-07	85.60 53.30		

TOTAL # TRUSS= **79.00** TOTAL BFT OF ALL TRUSSES= **2917.30** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4603.36** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
4	Hangers	HGUS26-2	
10	Hangers	LJS26DS	
3	Hangers	LUS24	
1	Hangers	LUS24-2	

TOTAL # ITEMS= **18.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

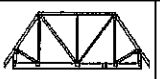
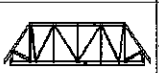
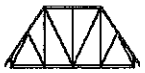
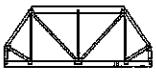
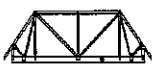
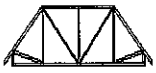
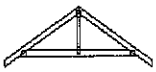
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295219 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.LOGGIA

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	T1 HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	95.70 59.83		
	1	T2 HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.18 57.67		
	1	T3 HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.84 60.50		
	7	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	657.65 413.00		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	3	T11S SCISSORS	10.00 4.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	166.62 110.49		
	1	T12 HIP GIRDER	10.00 0.00	20-11-00	04-10-07	2 X 4	2 X 6	00-00-00 00-00-00	01-07-11 01-07-11	105.09 66.00		
	1	T13 HIP	10.00 0.00	20-11-00	06-06-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	95.97 61.00		
	1	T14 HIP	10.00 0.00	20-11-00	08-02-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	94.78 59.83		
	1 2 Ply	T15 HIP GIRDER	10.00 0.00	23-05-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	231.32 147.66		
	1	T16 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	2	T19 COMMON	5.00 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 01-03-08	00-04-01 00-04-01	56.12 34.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

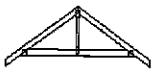
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295219 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.LOGGIA

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	T19Z COMMON	5.00 / 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 / 01-03-08	00-04-01 / 00-04-01	28.06 / 17.00		
	8	T20 MONOPITCH	5.00 / 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 04-01-01	286.64 / 181.36		
	1 / 2 Ply	T26 FLAT GIRDER	0.00 / 0.00	19-00-00	01-06-07	2 X 4	2 X 4	00-00-00 / 00-00-00	01-06-07 / 01-06-07	125.28 / 79.00		
	1 / 2 Ply	T100 HALF HIP	6.00 / 0.00	07-10-08	03-06-03	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 03-06-03	78.24 / 50.34		
	1 / 2 Ply	T101 JACK-CLOSED	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 05-01-04	78.06 / 48.66		
	10	J1 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	155.70 / 101.70		
	3	J2 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	36.06 / 24.99		
	3	J3 JACK-OPEN	10.00 / 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 / -00-01-01	01-07-11 / 00-03-08	23.64 / 17.01		
	7	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	211.54 / 135.31		
	4	J6 JACK-OPEN	10.00 / 0.00	01-08-08	02-04-03	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-02 / 02-04-03	29.00 / 21.32		
	10	J23 JACK-OPEN	5.00 / 0.00	02-10-08	01-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 01-06-07	85.60 / 53.30		

TOTAL # TRUSS= **87.00** TOTAL BFT OF ALL TRUSSES= **3098.66** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4890.00** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
4	Hangers	HGUS26-2	
10	Hangers	LJS26DS	
3	Hangers	LUS24	
1	Hangers	LUS24-2	

TOTAL # ITEMS= **18.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

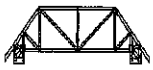
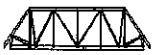
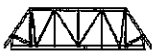
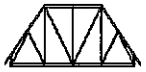
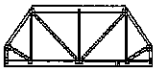
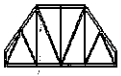
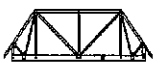
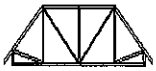
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295218 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.COFF

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	T1S HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	88.58 60.00		
	1	T2S HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.47 61.00		
	1	T3S HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.71 63.33		
	6	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	563.70 354.00		
	1	T4S ROOF	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	100.00 66.83		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	3	T11S SCISSORS	10.00 4.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	166.62 110.49		
	1	T12 HIP GIRDER	10.00 0.00	20-11-00	04-10-07	2 X 4	2 X 6	00-00-00 00-00-00	01-07-11 01-07-11	105.09 66.00		
	1	T13 HIP	10.00 0.00	20-11-00	06-06-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	95.97 61.00		
	1	T14 HIP	10.00 0.00	20-11-00	08-02-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	94.78 59.83		
	1 2 Ply	T15 HIP GIRDER	10.00 0.00	23-05-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	231.32 147.66		
	1	T16 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

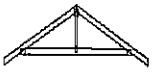
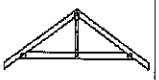
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295218 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.COFF

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
	2	T19 COMMON	5.00 / 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 / 01-03-08	00-04-01 / 00-04-01	56.12 / 34.00		
	1	T19Z COMMON	5.00 / 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 / 01-03-08	00-04-01 / 00-04-01	28.06 / 17.00		
	1 2 Ply	T26 FLAT GIRDER	0.00 / 0.00	19-00-00	01-06-07	2 X 4	2 X 4	00-00-00 / 00-00-00	01-06-07 / 01-06-07	125.28 / 79.00		
	1 2 Ply	T100 HALF HIP	6.00 / 0.00	07-10-08	03-06-03	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 03-06-03	78.24 / 50.34		
	1 2 Ply	T101 JACK-CLOSED	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 05-01-04	78.06 / 48.66		
	3	J1 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	46.71 / 30.51		
	9	J1S JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 03-10-07	170.73 / 123.03		
	1	J2 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	12.02 / 8.33		
	1	J3 JACK-OPEN	10.00 / 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 / -00-01-01	01-07-11 / 00-03-08	7.88 / 5.67		
	7	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	211.54 / 135.31		
	4	J6 JACK-OPEN	10.00 / 0.00	01-08-08	02-04-03	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-02 / 02-04-03	29.00 / 21.32		
	10	J23 JACK-OPEN	5.00 / 0.00	02-10-08	01-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 01-06-07	85.60 / 53.30		

TOTAL # TRUSS= **77.00** TOTAL BFT OF ALL TRUSSES= **2955.30** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4624.39** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
4	Hangers	HGUS26-2	
10	Hangers	LJS26DS	
3	Hangers	LUS24	
1	Hangers	LUS24-2	

TOTAL # ITEMS= **18.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

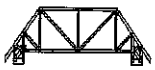
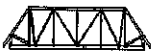
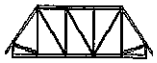
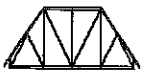
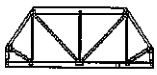
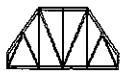
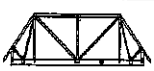
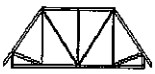
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287481 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.COFF.WITH LOGGIA

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	T1S HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	88.58 60.00		
	1	T2S HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.47 61.00		
	1	T3S HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.71 63.33		
	6	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	563.70 354.00		
	1	T4S ROOF	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	100.00 66.83		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	3	T11S SCISSORS	10.00 4.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	166.62 110.49		
	1	T12 HIP GIRDER	10.00 0.00	20-11-00	04-10-07	2 X 4	2 X 6	00-00-00 00-00-00	01-07-11 01-07-11	105.09 66.00		
	1	T13 HIP	10.00 0.00	20-11-00	06-06-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	95.97 61.00		
	1	T14 HIP	10.00 0.00	20-11-00	08-02-07	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	94.78 59.83		
	1 2 Ply	T15 HIP GIRDER	10.00 0.00	23-05-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	231.32 147.66		
	1	T16 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

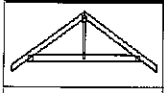
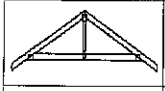
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287481 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: A-OPT.COFF.WITH LOGGIA

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
	2	T19 COMMON	5.00 / 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 / 01-03-08	00-04-01 / 00-04-01	56.12 / 34.00		
	1	T19Z COMMON	5.00 / 0.00	09-09-00	02-04-07	2 X 4	2 X 4	01-03-08 / 01-03-08	00-04-01 / 00-04-01	28.06 / 17.00		
	8	T20 MONOPITCH	5.00 / 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 04-01-01	286.64 / 181.36		
	1 / 2 Ply	T26 FLAT GIRDER	0.00 / 0.00	19-00-00	01-06-07	2 X 4	2 X 4	00-00-00 / 00-00-00	01-06-07 / 01-06-07	125.28 / 79.00		
	1 / 2 Ply	T100 HALF HIP	6.00 / 0.00	07-10-08	03-06-03	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 03-06-03	78.24 / 50.34		
	1 / 2 Ply	T101 JACK-CLOSED	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 05-01-04	78.06 / 48.66		
	3	J1 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	46.71 / 30.51		
	9	J1S JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 03-10-07	170.73 / 123.03		
	1	J2 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	12.02 / 8.33		
	1	J3 JACK-OPEN	10.00 / 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 / -00-01-01	01-07-11 / 00-03-08	7.88 / 5.67		
	7	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	211.54 / 135.31		
	4	J6 JACK-OPEN	10.00 / 0.00	01-08-08	02-04-03	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-02 / 02-04-03	29.00 / 21.32		
	10	J23 JACK-OPEN	5.00 / 0.00	02-10-08	01-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 01-06-07	85.60 / 53.30		

TOTAL # TRUSS= **85.00** TOTAL BFT OF ALL TRUSSES= **3136.66** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4911.03** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
4	Hangers	HGUS26-2	
10	Hangers	LJS26DS	
3	Hangers	LUS24	
1	Hangers	LUS24-2	

TOTAL # ITEMS= **18.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

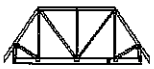
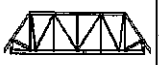
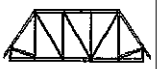
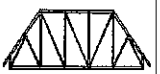
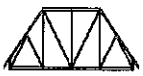
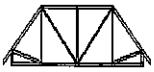
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287485 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 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	T1 HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	95.70 60.83		
	1	T2 HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.18 57.67		
	1	T3 HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.84 60.50		
	7	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	657.65 413.00		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z1 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	1	T21 HIP	10.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	110.08 70.17		
	1	T22 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	4	T23 COMMON	10.00 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 00-03-08	205.64 137.32		
	1	G23 COMMON	10.00 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	55.91 37.00		
	1	T24 HIP GIRDER	12.00 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	68.95 45.33		
	3	T25 HIP	12.00 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	204.96 132.51		
	1 2 Ply	T27 FLAT GIRDER	0.00 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 00-00-00	01-10-15 01-10-15	129.46 84.66		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 287485 **LOCATION:** BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **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
	7	J1 JACK-OPEN	10.00 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-10-07	108.99 71.19		
	2	J2 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 02-01-01	01-07-11 00-03-08	24.04 16.66		
	2	J3 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 00-01-01	01-07-11 00-03-08	16.74 12.00		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	5	J21 JACK-OPEN	12.00 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 05-09-00	72.85 46.65		
	6	J24 JACK-CLOSED	5.00 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 00-04-08	119.70 79.02		
	10	J25 JACK-OPEN	5.00 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 00-00-00	00-08-09 01-10-15	88.30 60.00		

TOTAL # TRUSS= **75.00** TOTAL BFT OF ALL TRUSSES= **2799.18** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4389.22** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

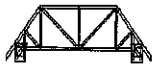
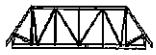
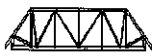
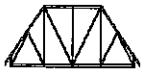
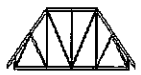
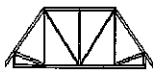
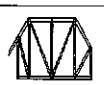
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295232 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF.

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	T1S HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	88.58 60.00		
	1	T2S HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.47 61.00		
	1	T3S HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.71 63.33		
	6	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	563.70 354.00		
	1	T4S ROOF	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	100.00 66.83		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z1 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	1	T21 HIP	10.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	110.08 70.17		
	1	T22 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	4	T23 COMMON	10.00 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 00-03-08	205.64 137.32		
	1	G23 COMMON	10.00 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	55.91 37.00		
	1	T24 HIP GIRDER	12.00 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	68.95 45.33		
	3	T25 HIP	12.00 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	204.96 132.51		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

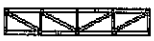
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295232 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF.

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	T27 FLAT GIRDER	0.00 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 00-00-00	01-10-15 01-10-15	129.46 84.66		
	9	J1S JACK-OPEN	10.00 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 03-10-07	170.73 123.03		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	5	J21 JACK-OPEN	12.00 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 05-09-00	72.85 46.65		
	6	J24 JACK-CLOSED	5.00 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 00-04-08	119.70 79.02		
	10	J25 JACK-OPEN	5.00 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 00-00-00	00-08-09 01-10-15	88.30 60.00		

TOTAL # TRUSS= **73.00** TOTAL BFT OF ALL TRUSSES= **2835.52** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4409.27** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

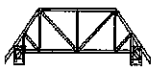
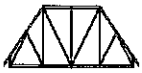
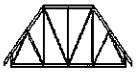
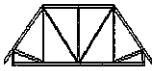
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287482 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF-LOGGIA

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	T1S HIP GIRDER	10.00 / 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	88.58 / 60.00		
	1	T2S HIP	10.00 / 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	91.47 / 61.00		
	1	T3S HIP	10.00 / 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	94.71 / 63.33		
	6	T4 COMMON	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	563.70 / 354.00		
	1	T4S ROOF	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	100.00 / 66.83		
	1 / 2 Ply	T5 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	1 / 2 Ply	T5Z1 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	2	T6 HIP	10.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	245.62 / 153.34		
	2	T7 HIP	10.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	269.56 / 169.66		
	2	T8 HIP	10.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	262.50 / 165.34		
	2	T9 HIP	10.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	283.88 / 178.34		
	2	T10 HIP	10.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	311.04 / 196.00		
	8	T20 MONOPITCH	5.00 / 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 04-01-01	286.64 / 181.36		
	1	T21 HIP	10.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	110.08 / 70.17		
	1	T22 HIP	10.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	99.55 / 63.33		
	4	T23 COMMON	10.00 / 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	205.64 / 137.32		
	1	G23 COMMON	10.00 / 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	55.91 / 37.00		
	1	T24 HIP GIRDER	12.00 / 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	68.95 / 45.33		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287482 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF-LOGGIA

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
	3	T25 HIP	12.00 / 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	204.96 / 132.51		
	1 / 2 Ply	T27 FLAT GIRDER	0.00 / 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 / 00-00-00	01-10-15 / 01-10-15	129.46 / 84.66		
	9	J1S JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 03-10-07	170.73 / 123.03		
	6	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	181.32 / 115.98		
	5	J21 JACK-OPEN	12.00 / 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 05-09-00	72.85 / 46.65		
	6	J24 JACK-CLOSED	5.00 / 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 00-04-08	119.70 / 79.02		
	10	J25 JACK-OPEN	5.00 / 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-08-09 / 01-10-15	88.30 / 60.00		

TOTAL # TRUSS= **81.00** TOTAL BFT OF ALL TRUSSES= **3016.88** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4695.91** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

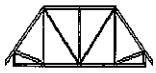
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295229 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF-LOGGIA- 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
	6	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	563.70 354.00		
	1	G4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	101.38 65.00		
	5	T4S ROOF	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	500.00 334.15		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z1 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	8	T20 MONOPITCH	5.00 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 04-01-01	286.64 181.36		
	1	T21 HIP	10.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	110.08 70.17		
	1	T22 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	4	T23 COMMON	10.00 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 00-03-08	205.64 137.32		
	1	G23 COMMON	10.00 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	55.91 37.00		
	1	T24 HIP GIRDER	12.00 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	68.95 45.33		
	3	T25 HIP	12.00 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	204.96 132.51		
	1 2 Ply	T27 FLAT GIRDER	0.00 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 00-00-00	01-10-15 01-10-15	129.46 84.66		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295229 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF-LOGGIA- 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
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	5	J21 JACK-OPEN	12.00 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 05-09-00	72.85 46.65		
	6	J24 JACK-CLOSED	5.00 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 00-04-08	119.70 79.02		
	10	J25 JACK-OPEN	5.00 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 00-00-00	00-08-09 01-10-15	88.30 60.00		

TOTAL # TRUSS= **74.00** TOTAL BFT OF ALL TRUSSES= **3041.84** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4751.80** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

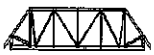
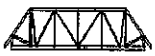
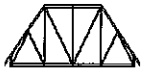
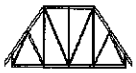
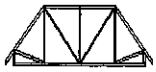
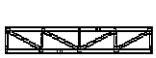
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 295230 **LOCATION:** BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **ELEVATION:** B-OPT.COFF.REAR UPG

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
	6	T4 COMMON	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	563.70 / 354.00		
	1	G4 COMMON	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	101.38 / 65.00		
	5	T4S ROOF	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	500.00 / 334.15		
	1 / 2 Ply	T5 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	1 / 2 Ply	T5Z1 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	2	T6 HIP	10.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	245.62 / 153.34		
	2	T7 HIP	10.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	269.56 / 169.66		
	2	T8 HIP	10.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	262.50 / 165.34		
	2	T9 HIP	10.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	283.88 / 178.34		
	2	T10 HIP	10.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	311.04 / 196.00		
	1	T21 HIP	10.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	110.08 / 70.17		
	1	T22 HIP	10.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	99.55 / 63.33		
	4	T23 COMMON	10.00 / 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	205.64 / 137.32		
	1	G23 COMMON	10.00 / 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	55.91 / 37.00		
	1	T24 HIP GIRDER	12.00 / 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	68.95 / 45.33		
	3	T25 HIP	12.00 / 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	204.96 / 132.51		
	1 / 2 Ply	T27 FLAT GIRDER	0.00 / 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 / 00-00-00	01-10-15 / 01-10-15	129.46 / 84.66		
	6	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	181.32 / 115.98		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295230 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.COFF.REAR UPG

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	5	J21 JACK-OPEN	12.00 / 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 05-09-00	72.85 / 46.65		
	6	J24 JACK-CLOSED	5.00 / 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 00-04-08	119.70 / 79.02		
	10	J25 JACK-OPEN	5.00 / 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-08-09 / 01-10-15	88.30 / 60.00		

TOTAL # TRUSS= **66.00** TOTAL BFT OF ALL TRUSSES= **2860.48** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4465.16** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

SITE COPY

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

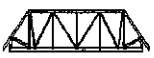
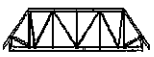
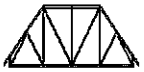
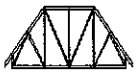
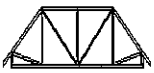
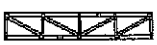
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287523 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-REAR UPGRADE

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
	11	T4 COMMON	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	1033.45 / 649.00		
	1	G4 COMMON	10.00 / 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	101.38 / 65.00		
	1 / 2 Ply	T5 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	1 / 2 Ply	T5Z1 HIP GIRDER	10.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	295.38 / 186.34		
	2	T6 HIP	10.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	245.62 / 153.34		
	2	T7 HIP	10.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	269.56 / 169.66		
	2	T8 HIP	10.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	262.50 / 165.34		
	2	T9 HIP	10.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	283.88 / 178.34		
	2	T10 HIP	10.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	311.04 / 196.00		
	1	T21 HIP	10.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	110.08 / 70.17		
	1	T22 HIP	10.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	99.55 / 63.33		
	4	T23 COMMON	10.00 / 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	205.64 / 137.32		
	1	G23 COMMON	10.00 / 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	55.91 / 37.00		
	1	T24 HIP GIRDER	12.00 / 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	68.95 / 45.33		
	3	T25 HIP	12.00 / 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 03-00-00	204.96 / 132.51		
	1 / 2 Ply	T27 FLAT GIRDER	0.00 / 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 / 00-00-00	01-10-15 / 01-10-15	129.46 / 84.66		
	6	J4 JACK-PARTIAL	6.00 / 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 05-01-04	181.32 / 115.98		
	5	J21 JACK-OPEN	12.00 / 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 05-09-00	72.85 / 46.65		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 287523 **LOCATION:** BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **ELEVATION:** B-REAR UPGRADE

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
	6	J24 JACK-CLOSED	5.00 / 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 00-04-08	119.70 / 79.02		
	10	J25 JACK-OPEN	5.00 / 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-08-09 / 01-10-15	88.30 / 60.00		

TOTAL # TRUSS= **66.00** TOTAL BFT OF ALL TRUSSES= **2821.33** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4434.91** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

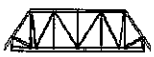
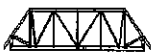
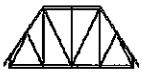
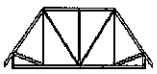
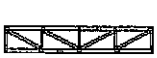
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295231 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B - OPT.LOGGIA WITH 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
	11	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	1033.45 649.00		
	1	G4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	101.38 65.00		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z1 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	8	T20 MONOPITCH	5.00 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 04-01-01	286.64 181.36		
	1	T21 HIP	10.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	110.08 70.17		
	1	T22 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	4	T23 COMMON	10.00 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 00-03-08	205.64 137.32		
	1	G23 COMMON	10.00 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	55.91 37.00		
	1	T24 HIP GIRDER	12.00 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	68.95 45.33		
	3	T25 HIP	12.00 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	204.96 132.51		
	1 2 Ply	T27 FLAT GIRDER	0.00 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 00-00-00	01-10-15 01-10-15	129.46 84.66		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

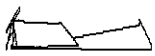
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 295231 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **ELEVATION:** B - OPT.LOGGIA WITH 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
	5	J21 JACK-OPEN	12.00 / 0.00	01-10-08	05-10-04	2 X 4	2 X 4	01-03-08 / 00-00-00	03-10-08 / 05-09-00	72.85 / 46.65		
	6	J24 JACK-CLOSED	5.00 / 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 00-04-08	119.70 / 79.02		
	10	J25 JACK-OPEN	5.00 / 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-08-09 / 01-10-15	88.30 / 60.00		

TOTAL # TRUSS= **74.00** TOTAL BFT OF ALL TRUSSES= **3002.69** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4721.55** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

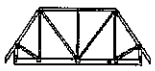
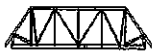
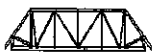
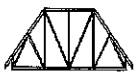
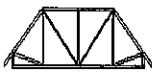
Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295233 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.LOGGIA

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	T1 HIP GIRDER	10.00 0.00	19-06-00	04-10-07	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	95.70 60.83		
	1	T2 HIP	10.00 0.00	19-06-00	06-06-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	91.18 57.67		
	1	T3 HIP	10.00 0.00	19-06-00	08-02-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	94.84 60.50		
	7	T4 COMMON	10.00 0.00	19-06-00	09-09-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	657.65 413.00		
	1 2 Ply	T5 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	1 2 Ply	T5Z1 HIP GIRDER	10.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	295.38 186.34		
	2	T6 HIP	10.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	245.62 153.34		
	2	T7 HIP	10.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.56 169.66		
	2	T8 HIP	10.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	262.50 165.34		
	2	T9 HIP	10.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	283.88 178.34		
	2	T10 HIP	10.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	311.04 196.00		
	8	T20 MONOPITCH	5.00 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 04-01-01	286.64 181.36		
	1	T21 HIP	10.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	110.08 70.17		
	1	T22 HIP	10.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	99.55 63.33		
	4	T23 COMMON	10.00 0.00	11-00-08	06-05-03	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 00-03-08	205.64 137.32		
	1	G23 COMMON	10.00 0.00	11-06-00	06-05-03	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	55.91 37.00		
	1	T24 HIP GIRDER	12.00 0.00	12-04-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	68.95 45.33		
	3	T25 HIP	12.00 0.00	12-04-08	07-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 03-00-00	204.96 132.51		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/27/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295233 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: B-OPT.LOGGIA

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	T27 FLAT GIRDER	0.00 0.00	19-00-00	01-10-15	2 X 4	2 X 4	00-00-00 00-00-00	01-10-15 01-10-15	129.46 84.66		
	7	J1 JACK-OPEN	10.00 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-10-07	108.99 71.19		
	2	J2 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 02-01-01	01-07-11 00-03-08	24.04 16.66		
	2	J3 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 00-01-01	01-07-11 00-03-08	16.74 12.00		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	5	J21 JACK-OPEN	12.00 0.00	01-10-08	05-09-00	2 X 4	2 X 4	01-03-08 00-00-00	03-10-08 05-09-00	72.85 46.65		
	6	J24 JACK-CLOSED	5.00 0.00	06-04-08	02-11-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 00-04-08	119.70 79.02		
	10	J25 JACK-OPEN	5.00 0.00	02-10-08	01-10-15	2 X 4	2 X 4	01-03-08 00-00-00	00-08-09 01-10-15	88.30 60.00		

TOTAL # TRUSS= **83.00** TOTAL BFT OF ALL TRUSSES= **2980.54** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4675.86** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

SITE COPY

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

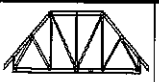
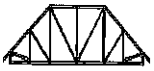
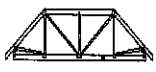
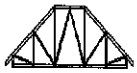
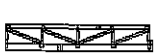
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287486 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T30 HIP GIRDER	8.00 0.00	19-06-00	05-02-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	86.63 54.17		
	1	T31 HIP	8.00 0.00	19-06-00	06-06-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	85.87 54.50		
	7	T33 COMMON	8.00 0.00	19-06-00	07-10-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	595.98 373.31		
	1 2 Ply	T34 HIP GIRDER	8.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	285.86 176.34		
	1 2 Ply	T34Z HIP GIRDER	8.00 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	285.86 176.34		
	2	T35 HIP	8.00 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	252.00 158.66		
	2	T36 HIP	8.00 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	255.52 161.00		
	2	T37 HIP	8.00 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	268.64 166.66		
	2	T38 HIP	8.00 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	263.06 162.68		
	2	T39 HIP	8.00 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	267.64 167.34		
	1	T40 HIP GIRDER	8.00 0.00	11-06-00	05-02-08	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-04-13	50.42 32.50		
	1	T41 COMMON	8.00 0.00	11-06-00	05-02-13	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-04-13	44.09 28.50		
	1 2 Ply	T42 HIP	8.00 0.00	23-05-00	05-01-04	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	254.84 159.00		
	1	T43 HIP	8.00 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	102.75 65.67		
	1	T44 HIP	8.00 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	107.57 69.34		
	1 2 Ply	T45 FLAT GIRDER	0.00 0.00	18-06-08	01-10-11	2 X 4	2 X 6	00-00-00 00-00-00	01-10-11 00-05-08	151.30 98.00		
	1 2 Ply	T200 HALF HIP	6.00 0.00	07-10-08	04-10-13	2 X 4	2 X 6	00-00-00 00-00-00	01-02-00 04-10-13	76.30 47.66		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

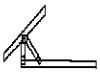
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 287486 **LOCATION:** BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **ELEVATION:** C

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	6	J30 JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-02-08	114.96 73.02		
	4	J31 JACK-OPEN	8.00 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 01-11-01	01-04-13 00-03-08	66.08 43.32		
	4	J32 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 03-11-01	01-04-13 00-03-08	53.12 33.32		
	4	J33 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 00-01-01	01-04-13 00-03-08	30.68 18.68		
	4	J34 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	46.84 30.68		
	10	J36 JACK-OPEN	4.00 0.00	02-10-08	01-10-11	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 01-10-11	88.90 60.00		

TOTAL # TRUSS= **71.00** TOTAL BFT OF ALL TRUSSES= **2526.67** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4016.23** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

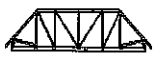
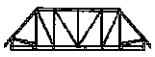
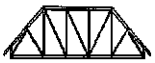
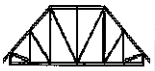
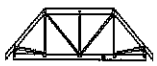
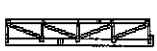
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295251 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C-OP0T.COFF.

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	T30S HIP GIRDER	8.00 / 0.00	19-06-00	05-02-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	86.44 / 58.33		
	1	T31S HIP	8.00 / 0.00	19-06-00	06-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	86.67 / 57.50		
	1	T32S HIP	8.00 / 0.00	19-06-00	07-10-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	90.14 / 59.50		
	6	T33 COMMON	8.00 / 0.00	19-06-00	07-10-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	510.84 / 319.98		
	1 / 2 Ply	T34 HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	1 / 2 Ply	T34Z HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	2	T35 HIP	8.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	252.00 / 158.66		
	2	T36 HIP	8.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	255.52 / 161.00		
	2	T37 HIP	8.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	268.64 / 166.66		
	2	T38 HIP	8.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	263.06 / 162.68		
	2	T39 HIP	8.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	267.64 / 167.34		
	1	T40 HIP GIRDER	8.00 / 0.00	11-06-00	05-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	50.42 / 32.50		
	1	T41 COMMON	8.00 / 0.00	11-06-00	05-02-13	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	44.09 / 28.50		
	1 / 2 Ply	T42 HIP	8.00 / 0.00	23-05-00	05-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	254.84 / 159.00		
	1	T43 HIP	8.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	102.75 / 65.67		
	1	T44 HIP	8.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	107.57 / 69.34		
	1 / 2 Ply	T45 FLAT GIRDER	0.00 / 0.00	18-06-08	01-10-11	2 X 4	2 X 6	00-00-00 / 00-00-00	01-10-11 / 00-05-08	151.30 / 98.00		
	1 / 2 Ply	T200 HALF HIP	6.00 / 0.00	07-10-08	04-10-13	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 04-10-13	76.30 / 47.66		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

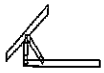
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295251 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C-OP0T.COFF.

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
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	1	J30 JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-02-08	19.16 12.17		
	9	J30S JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 04-02-08	209.52 144.00		
	2	J31 JACK-OPEN	8.00 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 01-11-01	01-04-13 00-03-08	33.04 21.66		
	2	J32 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 03-11-01	01-04-13 00-03-08	26.56 16.66		
	2	J33 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 00-01-01	01-04-13 00-03-08	15.34 9.34		
	2	J34 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	23.42 15.34		
	10	J36 JACK-OPEN	4.00 0.00	02-10-08	01-10-11	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 01-10-11	88.90 60.00		

TOTAL # TRUSS= **67.00** TOTAL BFT OF ALL TRUSSES= **2560.15** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4037.20** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

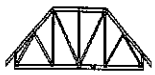
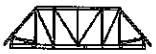
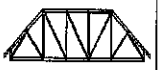
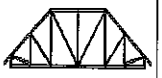
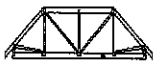
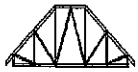
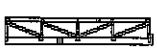
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 295250 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C-OPT.LOGGIA

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
	8	T20 MONOPITCH	5.00 / 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 04-01-01	286.64 / 181.36		
	1	T30 HIP GIRDER	8.00 / 0.00	19-06-00	05-02-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	86.63 / 54.17		
	1	T31 HIP	8.00 / 0.00	19-06-00	06-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	85.87 / 54.50		
	7	T33 COMMON	8.00 / 0.00	19-06-00	07-10-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	595.98 / 373.31		
	1 / 2 Ply	T34 HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	1 / 2 Ply	T34Z HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	2	T35 HIP	8.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	252.00 / 158.66		
	2	T36 HIP	8.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	255.52 / 161.00		
	2	T37 HIP	8.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	268.64 / 166.66		
	2	T38 HIP	8.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	263.06 / 162.68		
	2	T39 HIP	8.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	267.64 / 167.34		
	1	T40 HIP GIRDER	8.00 / 0.00	11-06-00	05-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	50.42 / 32.50		
	1	T41 COMMON	8.00 / 0.00	11-06-00	05-02-13	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	44.09 / 28.50		
	1 / 2 Ply	T42 HIP	8.00 / 0.00	23-05-00	05-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	254.84 / 159.00		
	1	T43 HIP	8.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	102.75 / 65.67		
	1	T44 HIP	8.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	107.57 / 69.34		
	1 / 2 Ply	T45 FLAT GIRDER	0.00 / 0.00	18-06-08	01-10-11	2 X 4	2 X 6	00-00-00 / 00-00-00	01-10-11 / 00-05-08	151.30 / 98.00		
	1 / 2 Ply	T200 HALF HIP	6.00 / 0.00	07-10-08	04-10-13	2 X 4	2 X 6	00-00-00 / 00-00-00	01-02-00 / 04-10-13	76.30 / 47.66		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 295250 **LOCATION:** BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S38-5 **ELEVATION:** C-OPT.LOGGIA

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
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	6	J30 JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-02-08	114.96 73.02		
	4	J31 JACK-OPEN	8.00 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 01-11-01	01-04-13 00-03-08	66.08 43.32		
	4	J32 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 03-11-01	01-04-13 00-03-08	53.12 33.32		
	4	J33 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 00-01-01	01-04-13 00-03-08	30.68 18.68		
	4	J34 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	46.84 30.68		
	10	J36 JACK-OPEN	4.00 0.00	02-10-08	01-10-11	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 01-10-11	88.90 60.00		

TOTAL # TRUSS= **79.00** TOTAL BFT OF ALL TRUSSES= **2708.03** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4302.87** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

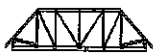
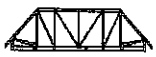
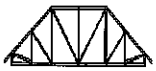
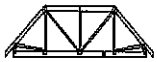
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287483 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C-OPT.COFF.WITH LOGGIA

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
	8	T20 MONOPITCH	5.00 / 0.00	09-00-00	04-05-07	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-01 / 04-01-01	286.64 / 181.36		
	1	T30S HIP GIRDER	8.00 / 0.00	19-06-00	05-02-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	86.44 / 58.33		
	1	T31S HIP	8.00 / 0.00	19-06-00	06-06-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	86.67 / 57.50		
	1	T32S HIP	8.00 / 0.00	19-06-00	07-10-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	90.14 / 59.50		
	6	T33 COMMON	8.00 / 0.00	19-06-00	07-10-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	510.84 / 319.98		
	1 / 2 Ply	T34 HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	1 / 2 Ply	T34Z HIP GIRDER	8.00 / 0.00	28-11-00	05-01-04	2 X 4	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	285.86 / 176.34		
	2	T35 HIP	8.00 / 0.00	28-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	252.00 / 158.66		
	2	T36 HIP	8.00 / 0.00	28-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	255.52 / 161.00		
	2	T37 HIP	8.00 / 0.00	28-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	268.64 / 166.66		
	2	T38 HIP	8.00 / 0.00	28-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	263.06 / 162.68		
	2	T39 HIP	8.00 / 0.00	28-11-00	10-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	267.64 / 167.34		
	1	T40 HIP GIRDER	8.00 / 0.00	11-06-00	05-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	50.42 / 32.50		
	1	T41 COMMON	8.00 / 0.00	11-06-00	05-02-13	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 01-04-13	44.09 / 28.50		
	1 / 2 Ply	T42 HIP	8.00 / 0.00	23-05-00	05-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	254.84 / 159.00		
	1	T43 HIP	8.00 / 0.00	23-05-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	102.75 / 65.67		
	1	T44 HIP	8.00 / 0.00	23-05-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	107.57 / 69.34		
	1 / 2 Ply	T45 FLAT GIRDER	0.00 / 0.00	18-06-08	01-10-11	2 X 4	2 X 6	00-00-00 / 00-00-00	01-10-11 / 00-05-08	151.30 / 98.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

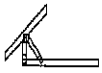
Delivery Shiplist

DATE	02/28/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 287483 LOCATION: BRADFORD
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S38-5 ELEVATION: C-OPT.COFF.WITH LOGGIA

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	T200 HALF HIP	6.00 0.00	07-10-08	04-10-13	2 X 4	2 X 6	00-00-00 00-00-00	01-02-00 04-10-13	76.30 47.66		
	6	J4 JACK-PARTIAL	6.00 0.00	07-10-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 05-01-04	181.32 115.98		
	1	J30 JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-02-08	19.16 12.17		
	9	J30S JACK-OPEN	8.00 0.00	05-08-08	05-02-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 04-02-08	209.52 144.00		
	2	J31 JACK-OPEN	8.00 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 01-11-01	01-04-13 00-03-08	33.04 21.66		
	2	J32 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 03-11-01	01-04-13 00-03-08	26.56 16.66		
	2	J33 JACK-OPEN	8.00 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 00-01-01	01-04-13 00-03-08	15.34 9.34		
	2	J34 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	23.42 15.34		
	10	J36 JACK-OPEN	4.00 0.00	02-10-08	01-10-11	2 X 4	2 X 4	01-03-08 00-00-00	00-11-03 01-10-11	88.90 60.00		

TOTAL # TRUSS= **75.00** TOTAL BFT OF ALL TRUSSES= **2741.51** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4323.84** LBS.

HARDWARE

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

TOTAL # ITEMS= **10.00**

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287484	T1	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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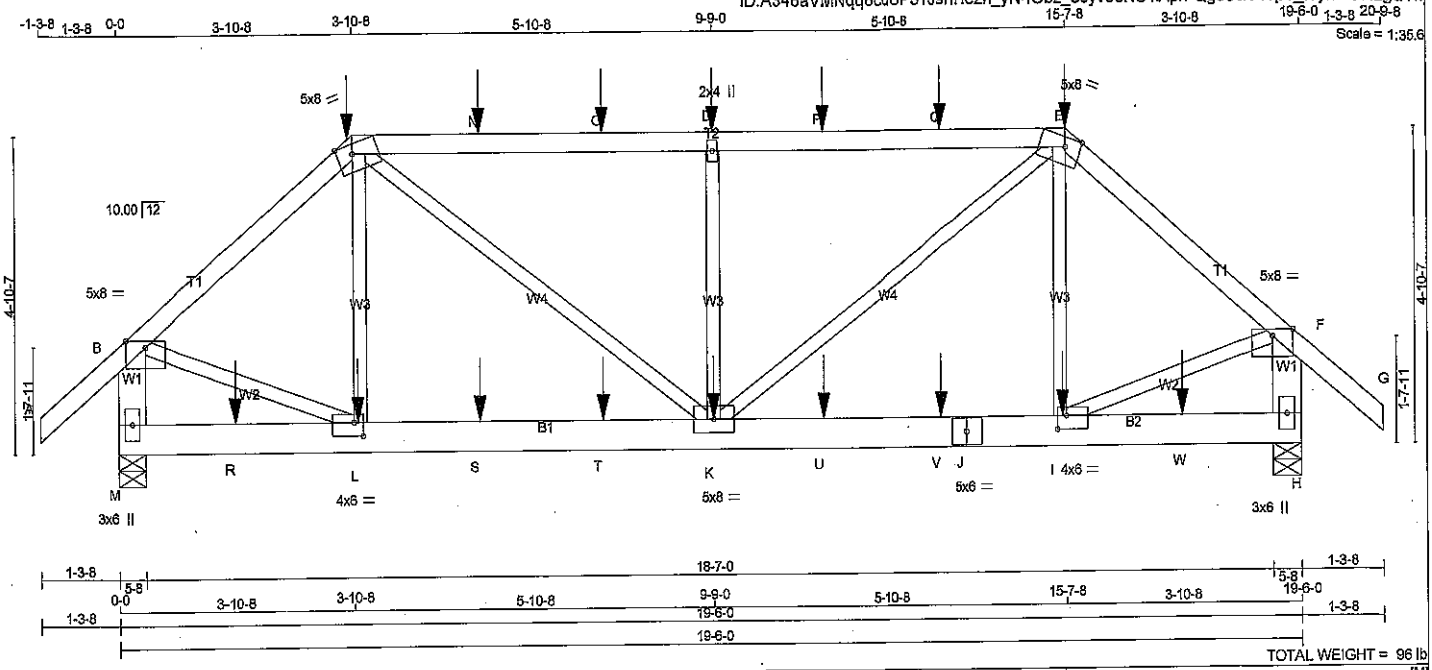

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	2100F 1.8E	SPF
C - E	2x4	DRY	2100F 1.8E	SPF
E - G	2x4	DRY	2100F 1.8E	SPF
M - B	2x6	DRY	No.2	SPF
H - F	2x6	DRY	No.2	SPF
M - J	2x6	DRY	No.2	SPF
J - H	2x6	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	8.0	Edge	
C	TTWW-m	MT20	5.0	8.0	Edge	3.00
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	8.0	Edge	3.00
F	TMVW-p	MT20	5.0	8.0	Edge	
H	BMV1+p	MT20	3.0	6.0		
I	BMWW-t	MT20	4.0	6.0	2.50	1.75
J	BS-t	MT20	5.0	6.0		
K	BMWWW-t	MT20	5.0	8.0		
L	BMWW-t	MT20	4.0	6.0	2.50	1.75
M	BMV1+p	MT20	3.0	6.0		

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) 330.3 lbs FACTORED DOWN AT 3-10-8, 98.4 lbs FACTORED DOWN AT 5-11-4, 98.4 lbs FACTORED DOWN AT 7-11-4, 98.4 lbs FACTORED DOWN AT 9-9-0, 98.4 lbs FACTORED DOWN AT 11-6-12, AND 98.4 lbs FACTORED DOWN AT 13-6-12, AND 330.3 lbs FACTORED DOWN AT 15-7-8 ON TOP CHORD, AND 45.9 lbs FACTORED DOWN AT 1-11-4, 45.9 lbs FACTORED DOWN AT 3-11-4, 45.9 lbs FACTORED DOWN AT 5-11-4, 45.9 lbs FACTORED DOWN AT 7-11-4, 45.9 lbs FACTORED DOWN AT 9-9-0, 45.9 lbs FACTORED DOWN AT 11-6-12, 45.9 lbs FACTORED DOWN AT 13-6-12, AND 45.9 lbs FACTORED DOWN AT 15-6-12, AND 45.9 lbs FACTORED DOWN AT 17-6-12 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
M	2136	0	2136	0	0	5-8	5-8
H	2136	0	2136	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1669	1078 / 0	293 / 0	0 / 0	0 / 0	298 / 0	0 / 0
H	1669	1078 / 0	293 / 0	0 / 0	0 / 0	298 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO						FR-TO		
A- B	0 / 47	-104.9	-104.9	0.10 (1)	10.00	L- C	-229 / 197	0.08 (1)
B- C	-1985 / 0	-104.9	-104.9	0.23 (1)	5.46	C- K	0 / 1097	0.27 (1)
C- N	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27	K- D	-1111 / 0	0.38 (1)
N- O	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27	K- E	0 / 1097	0.27 (1)
O- D	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27	I- E	-229 / 197	0.08 (1)
D- P	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27	B- L	0 / 1591	0.39 (1)
P- Q	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27	I- F	0 / 1591	0.39 (1)
Q- E	-2388 / 0	-104.9	-104.9	0.71 (1)	4.27			
E- F	-1985 / 0	-104.9	-104.9	0.23 (1)	5.46			
F- G	0 / 47	-104.9	-104.9	0.10 (1)	10.00			
M- B	-2092 / 0	0.0	0.0	0.15 (1)	6.98			
H- F	-2092 / 0	0.0	0.0	0.15 (1)	6.98			
M- R	0 / 0	-28.0	-28.0	0.12 (2)	10.00			
R- L	0 / 0	-28.0	-28.0	0.12 (2)	10.00			
L- S	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
S- T	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
T- K	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
K- U	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
U- V	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
V- J	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
J- I	0 / 1516	-28.0	-28.0	0.27 (1)	10.00			
I- W	0 / 0	-28.0	-28.0	0.12 (2)	10.00			
W- H	0 / 0	-28.0	-28.0	0.12 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-10-8	-330	-330	---	BACK	VERT	TOTAL
D	9-9-0	-98	-98	---	BACK	VERT	TOTAL
E	15-7-8	-330	-330	---	BACK	VERT	TOTAL
I	15-6-12	-26	-46	---	BACK	VERT	TOTAL
K	9-9-0	-26	-46	---	BACK	VERT	TOTAL
L	3-11-4	-26	-46	---	BACK	VERT	TOTAL
N	5-11-4	-98	-98	---	BACK	VERT	TOTAL
O	7-11-4	-98	-98	---	BACK	VERT	TOTAL
P	11-6-12	-98	-98	---	BACK	VERT	TOTAL
Q	13-6-12	-98	-98	---	BACK	VERT	TOTAL
R	1-11-4	-26	-46	---	BACK	VERT	TOTAL
S	5-11-4	-26	-46	---	BACK	VERT	TOTAL
T	7-11-4	-26	-46	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.71/1.00 (C-D:1) , BC=0.27/1.00 (K-L:1) , WB=0.39/1.00 (F-I:1) , SSI=0.44/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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.

ISI GRIP= 0.90 (I) (INPUT = 0.90)
ISI METAL= 0.38 (L) (INPUT = 1.00)

DWG NO. TAM 11015 -T1
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287484	T1	1	1	TRUSS DESC.	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
U	11-6-12	-26	-46	—	BACK	VERT	TOTAL
V	13-6-12	-26	-46	—	BACK	VERT	TOTAL
W	17-6-12	-26	-46	—	BACK	VERT	TOTAL

DWG NO. TAM11015-T1
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T1S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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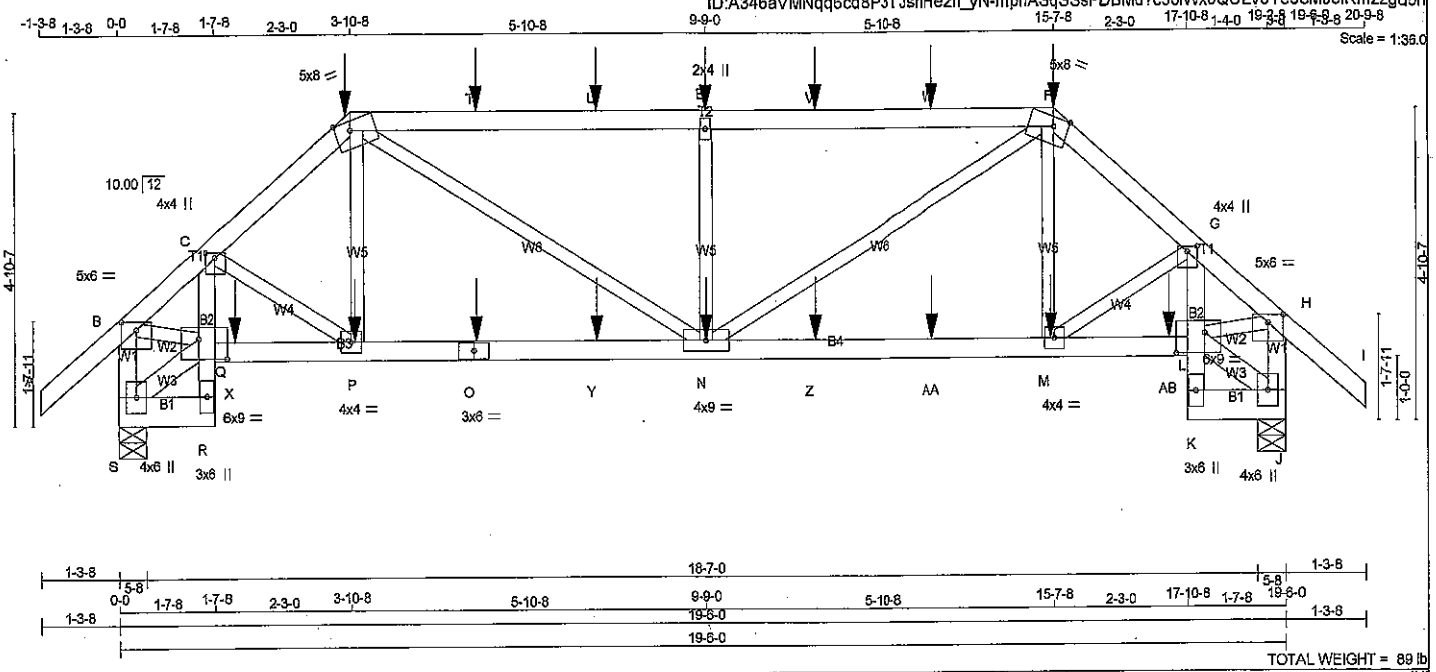

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	2100F 1.8E	SPF
D - F	2x4	DRY	2100F 1.8E	SPF
F - I	2x4	DRY	2100F 1.8E	SPF
S - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
S - R	2x6	DRY	No.2	SPF
R - C	2x4	DRY	No.2	SPF
Q - O	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
K - J	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
S - Q	2x4	DRY	No.2	SPF
L - J	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	1.50	3.00
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	TTWW-m	MT20	5.0	8.0	Edge	3.00
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	8.0	Edge	3.00
G	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	TMVW-p	MT20	5.0	6.0	1.50	3.00
J	BMVW1+p	MT20	4.0	6.0		
K	BMV+p	MT20	3.0	6.0		
L	BVMWW-l	MT20	6.0	9.0	3.75	5.75
M	BMWW-t	MT20	4.0	4.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BS-t	MT20	3.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BVMWW-l	MT20	6.0	9.0	3.75	5.75
R	BMV+p	MT20	3.0	6.0		
S	BMVW1+p	MT20	4.0	6.0		

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

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	1979	0	1979	0	0	5-8	5-8
J	1979	0	1979	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1556	989 / 0	284 / 0	0 / 0	0 / 0	283 / 0	0 / 0
J	1556	989 / 0	283 / 0	0 / 0	0 / 0	283 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.04 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.10 (1)	10.00
B- C	-2267 / 0	-104.9	-104.9	0.12 (1)	5.31
C- D	-2223 / 0	-104.9	-104.9	0.10 (1)	5.38
D- T	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
T- U	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
U- E	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
E- V	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
V- W	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
W- F	-2748 / 0	-104.9	-104.9	0.72 (1)	4.04
F- G	-2223 / 0	-104.9	-104.9	0.10 (1)	5.38
G- H	-2267 / 0	-104.9	-104.9	0.12 (1)	5.31
H- I	0 / 47	-104.9	-104.9	0.10 (1)	10.00
S- B	-1918 / 0	0.0	0.0	0.22 (1)	6.02
J- H	-1918 / 0	0.0	0.0	0.22 (1)	6.02
S- R	0 / 57	-28.0	-28.0	0.02 (7)	10.00
R- Q	0 / 36	0.0	0.0	0.09 (1)	10.00
Q- C	-110 / 10	0.0	0.0	0.09 (1)	7.81
Q- X	0 / 1748	-28.0	-28.0	0.42 (1)	10.00
X- P	0 / 1748	-28.0	-28.0	0.42 (1)	10.00
P- O	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
O- Y	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
Y- N	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
N- Z	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
Z-AA	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
AA- M	0 / 1705	-28.0	-28.0	0.43 (2)	10.00
M-AB	0 / 1748	-28.0	-28.0	0.42 (1)	10.00
AB- L	0 / 1748	-28.0	-28.0	0.42 (1)	10.00
K- L	0 / 36	0.0	0.0	0.09 (1)	10.00
L- G	-110 / 10	0.0	0.0	0.09 (1)	7.81
K- J	0 / 57	-28.0	-28.0	0.02 (7)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- P	-111 / 0	0.02 (5)
P- D	0 / 231	0.07 (7)
M- F	0 / 231	0.07 (7)
M- G	-111 / 0	0.02 (5)
S- Q	-70 / 0	0.01 (1)
B- Q	0 / 1716	0.42 (1)
L- J	-70 / 0	0.01 (1)
L- H	0 / 1716	0.42 (1)
N- F	0 / 1219	0.30 (1)
D- N	0 / 1219	0.30 (1)
N- E	-1066 / 0	0.27 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	3-10-8	-273	-273	100	BACK	VERT	TOTAL
E	9-9-0	-93	-93	103	BACK	VERT	TOTAL
F	15-7-8	-273	-273	100	BACK	VERT	TOTAL
M	15-6-12	-6	-10	—	BACK	VERT	TOTAL
N	9-9-0	-6	-10	—	BACK	VERT	TOTAL
O	5-11-4	-6	-10	—	BACK	VERT	TOTAL
P	3-11-4	-6	-10	—	BACK	VERT	TOTAL

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.72/1.00 (D-E:1) , BC=0.43/1.00 (N-P:2) , WB=0.42/1.00 (B-Q:1) , SSI=0.44/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 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	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (Q) (INPUT = 0.90)
JSI METAL= 0.52 (Q) (INPUT = 1.00)

DWG NO. TAM 10990-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T1S	1	1	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 272.8 lbs FACTORED DOWN AND 87.3 lbs FACTORED UP AT 3-10-8, 93.1 lbs FACTORED DOWN AND 103.4 lbs FACTORED UP AT 5-11-4, 93.1 lbs FACTORED DOWN AND 103.4 lbs FACTORED UP AT 7-11-4, 93.1 lbs FACTORED DOWN AND 103.4 lbs FACTORED UP AT 9-9-0, 93.1 lbs FACTORED DOWN AND 103.4 lbs FACTORED UP AT 11-6-12, AND 93.1 lbs FACTORED DOWN AND 103.4 lbs FACTORED UP AT 13-6-12, AND 272.8 lbs FACTORED DOWN AND 87.3 lbs FACTORED UP AT 15-7-8 ON TOP CHORD, AND 23.0 lbs FACTORED DOWN AT 1-11-4, 9.7 lbs FACTORED DOWN AT 3-11-4, 9.7 lbs FACTORED DOWN AT 5-11-4, 9.7 lbs FACTORED DOWN AT 7-11-4, 9.7 lbs FACTORED DOWN AT 9-9-0, 9.7 lbs FACTORED DOWN AT 11-6-12, 9.7 lbs FACTORED DOWN AT 13-6-12, AND 9.7 lbs FACTORED DOWN AT 15-6-12, AND 23.0 lbs FACTORED DOWN AT 17-6-12 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
T	5-11-4	-93	-93	103	BACK	VERT	TOTAL
U	7-11-4	-93	-93	103	BACK	VERT	TOTAL
V	11-6-12	-93	-93	103	BACK	VERT	TOTAL
W	13-6-12	-93	-93	103	BACK	VERT	TOTAL
X	1-11-4	-13	-23	—	BACK	VERT	TOTAL
Y	7-11-4	-6	-10	—	BACK	VERT	TOTAL
Z	11-6-12	-6	-10	—	BACK	VERT	TOTAL
AA	13-6-12	-6	-10	—	BACK	VERT	TOTAL
AB	17-6-12	-13	-23	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
2018
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10990-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287484	T2	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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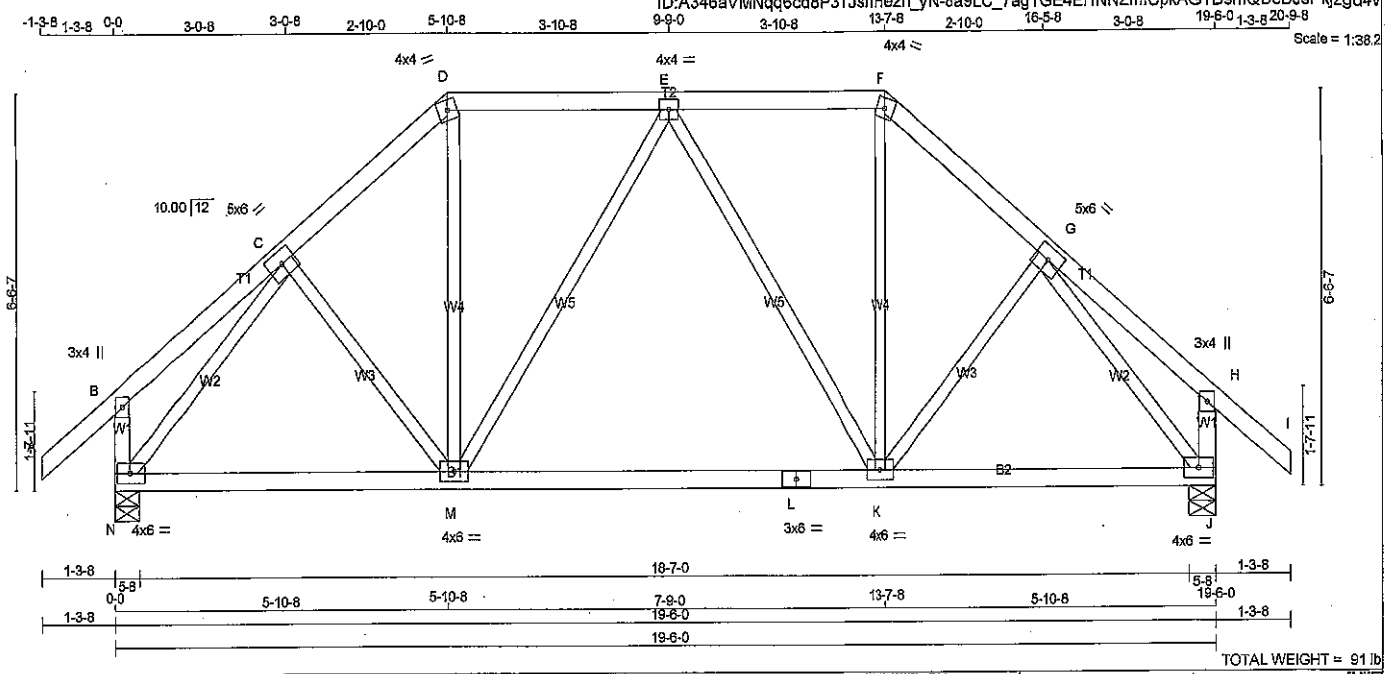

TOTAL WEIGHT = 91 lb [M][F]

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
N - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
N - 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		
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMWW-t	MT20	5.0	6.0		
H	TMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	4.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
N	1441	0	1441	0	0	5-8	5-8
J	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
J	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	C-M	0 / 97	0.02 (3)	
B-C	0 / 20	-104.9	-104.9	0.13 (1)	10.00	M-D	0 / 449	0.10 (1)	
C-D	-1161 / 0	-104.9	-104.9	0.11 (1)	5.80	M-E	-287 / 0	0.30 (1)	
D-E	-880 / 0	-104.9	-104.9	0.20 (1)	6.25	E-K	-287 / 0	0.30 (1)	
E-F	-880 / 0	-104.9	-104.9	0.20 (1)	6.25	K-F	0 / 449	0.10 (1)	
F-G	-1161 / 0	-104.9	-104.9	0.11 (1)	5.80	K-G	0 / 97	0.02 (3)	
G-H	0 / 20	-104.9	-104.9	0.13 (1)	10.00	N-C	-1410 / 0	0.50 (1)	
H-I	0 / 47	-104.9	-104.9	0.14 (1)	10.00	G-J	-1410 / 0	0.50 (1)	
N-B	-266 / 0	0.0	0.0	0.03 (1)	7.81				
J-H	-266 / 0	0.0	0.0	0.03 (1)	7.81				
N-M	0 / 867	-28.0	-28.0	0.39 (2)	10.00				
M-L	0 / 1029	-28.0	-28.0	0.41 (2)	10.00				
L-K	0 / 1029	-28.0	-28.0	0.41 (2)	10.00				
K-J	0 / 867	-28.0	-28.0	0.39 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.20/1.00 (D-E:1) , BC=0.41/1.00 (K-M:2) , WB=0.50/1.00 (G-J:1) , SSI=0.20/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (N) (INPUT = 0.90)
JSI METAL= 0.34 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2496 S. KATSOULAKOS PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11016-17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T2S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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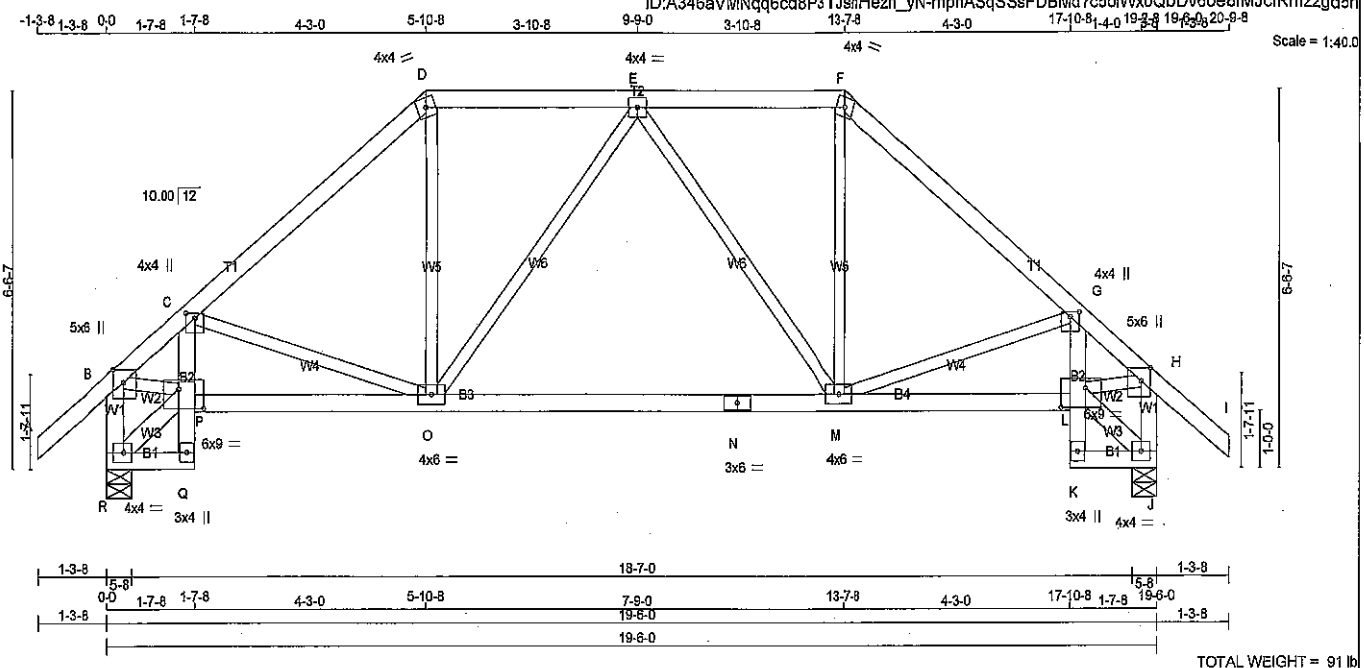

TOTAL WEIGHT = 91 lb [M][F]

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
R - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
R - Q	2x4	DRY	No.2	SPF
Q - C	2x4	DRY	No.2	SPF
P - N	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
K - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
R - P	2x4	DRY	No.2	SPF
L - J	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	2.75	2.00
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	TMVW+p	MT20	5.0	6.0	2.75	2.00
J	BMVW1-t	MT20	4.0	4.0		
K	BMV+p	MT20	3.0	4.0		
L	BVMWW-I	MT20	6.0	9.0	4.00	5.50
M	BMWWW-t	MT20	4.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BVMWW-I	MT20	6.0	9.0	4.00	5.50
Q	BMV+p	MT20	3.0	4.0		
R	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
R	1441	0	1441	0	0	5-8	5-8
J	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
J	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
B- C	-1668 / 0	-104.9	-104.9	0.19 (1)	4.96	
C- D	-1350 / 0	-104.9	-104.9	0.28 (1)	5.29	
D- E	-1027 / 0	-104.9	-104.9	0.20 (1)	5.95	
E- F	-1027 / 0	-104.9	-104.9	0.20 (1)	5.95	
F- G	-1350 / 0	-104.9	-104.9	0.28 (1)	5.29	
G- H	-1668 / 0	-104.9	-104.9	0.19 (1)	4.96	
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
R- B	-1386 / 0	0.0	0.0	0.15 (1)	6.91	
J- H	-1386 / 0	0.0	0.0	0.15 (1)	6.91	
R- Q	0 / 43	-28.0	-28.0	0.02 (2)	10.00	
Q- P	0 / 36	0.0	0.0	0.07 (1)	10.00	
P- C	-40 / 62	0.0	0.0	0.05 (1)	7.81	
P- O	0 / 1336	-28.0	-28.0	0.41 (2)	10.00	
O- N	0 / 1203	-28.0	-28.0	0.40 (2)	10.00	
N- M	0 / 1203	-28.0	-28.0	0.40 (2)	10.00	
M- L	0 / 1336	-28.0	-28.0	0.41 (2)	10.00	
K- L	0 / 36	0.0	0.0	0.07 (1)	10.00	
L- G	-40 / 62	0.0	0.0	0.05 (1)	7.81	
K- J	0 / 43	-28.0	-28.0	0.02 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- O	-336 / 0	0.13 (1)
O- D	0 / 495	0.11 (1)
O- E	-301 / 0	0.23 (1)
E- M	-301 / 0	0.23 (1)
M- F	0 / 495	0.11 (1)
M- G	-336 / 0	0.13 (1)
R- P	-55 / 0	0.01 (1)
B- P	0 / 1304	0.29 (1)
L- J	-55 / 0	0.01 (1)
L- H	0 / 1304	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.28/1.00 (C-D:1) , BC=0.41/1.00 (O-P:2) , WB=0.29/1.00 (B-P:1) , SSI=0.20/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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= 0.84 (O) (INPUT = 0.90)
JSI METAL= 0.39 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2016
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10991-17B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287484	T3	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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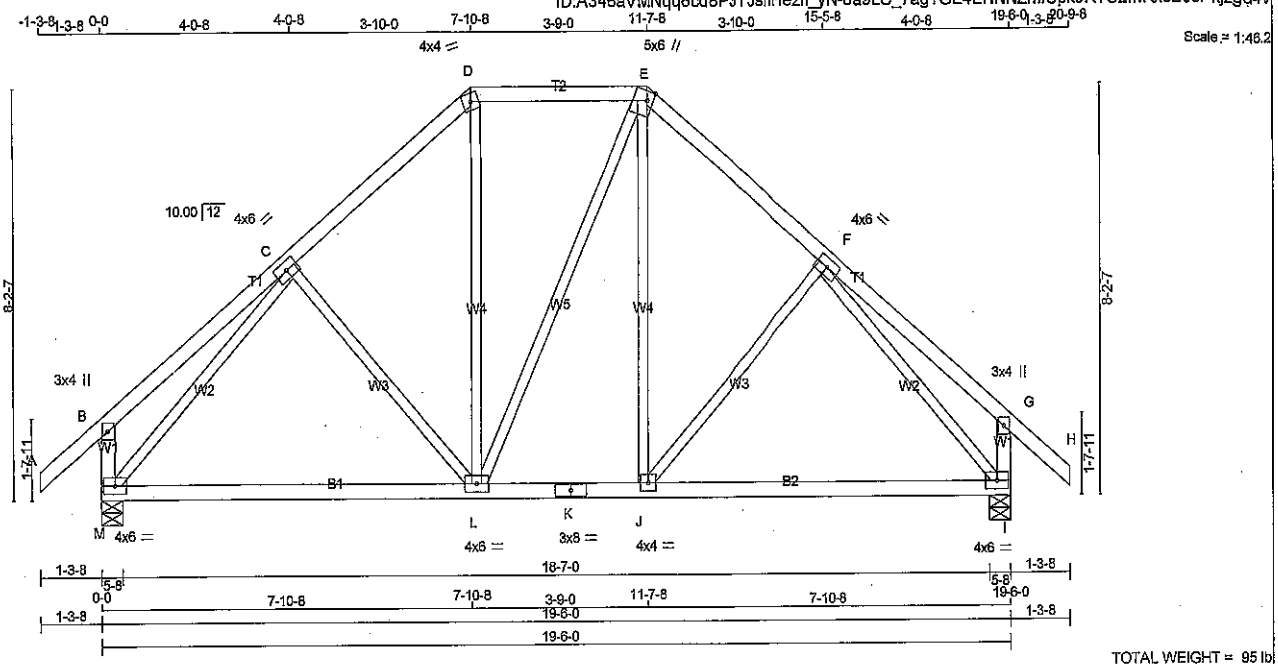

TOTAL WEIGHT = 95 lb

[M|F

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1441	0	1441	0	0	5-8	5-8
I	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
I	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.88 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 LC1 FROM	TO	MAX (PLF) CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B-C	0 / 31	-104.9	-104.9	0.26 (1)	10.00
C-D	-1056 / 0	-104.9	-104.9	0.21 (1)	5.88
D-E	-790 / 0	-104.9	-104.9	0.20 (1)	6.25
E-F	-1055 / 0	-104.9	-104.9	0.21 (1)	5.88
F-G	0 / 31	-104.9	-104.9	0.26 (1)	10.00
G-H	0 / 47	-104.9	-104.9	0.14 (1)	10.00
M-B	-302 / 0	0.0	0.0	0.03 (1)	7.81
I-G	-302 / 0	0.0	0.0	0.03 (1)	7.81
M-L	0 / 895	-28.0	-28.0	0.46 (2)	10.00
L-K	0 / 789	-28.0	-28.0	0.43 (2)	10.00
K-J	0 / 789	-28.0	-28.0	0.43 (2)	10.00
J-I	0 / 895	-28.0	-28.0	0.46 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C-L	-185 / 55	0.11 (1)
L-D	0 / 320	0.07 (2)
L-E	0 / 1	0.00 (2)
J-E	0 / 318	0.07 (2)
J-F	-185 / 55	0.11 (1)
M-C	-1376 / 0	0.84 (1)
F-I	-1375 / 0	0.84 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 811 (0.29")

CSI: TC=0.26/1.00 (F-G:1) , BC=0.46/1.00 (I-J:2) , WB=0.84/1.00 (C-M:1) , SSI=0.18/1.00 (L-M: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= 0.54 (K) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
22818
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11017-13
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T3S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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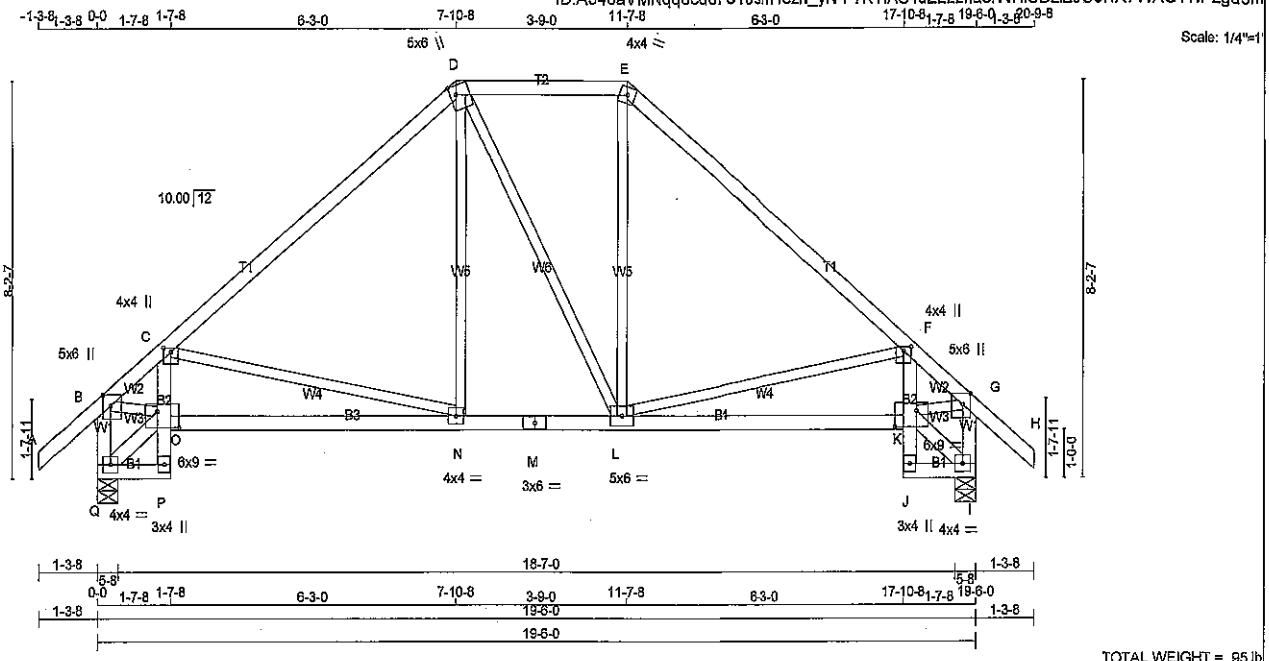

TOTAL WEIGHT = 95 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.75	2.00
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
G	TMVW+p	MT20	5.0	6.0	2.75	2.00
I	BMVW1-t	MT20	4.0	4.0		
J	BMV+p	MT20	3.0	4.0		
K	BVMWW-I	MT20	6.0	9.0	4.00	5.75
L	BMWWW-t	MT20	5.0	6.0		
M	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	4.0	4.0		
O	BVMWW-I	MT20	6.0	9.0	4.00	5.75
P	BMV+p	MT20	3.0	4.0		
Q	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
Q	1441	0	1441	0	0	5-8	5-8
I	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
I	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.47 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
B- C	-1792 / 0	-104.9	-104.9	0.45 (1)	4.47	
C- D	-1185 / 0	-104.9	-104.9	0.56 (1)	5.13	
D- E	-884 / 0	-104.9	-104.9	0.20 (1)	6.25	
E- F	-1184 / 0	-104.9	-104.9	0.56 (1)	5.13	
F- G	-1792 / 0	-104.9	-104.9	0.45 (1)	4.47	
G- H	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
Q- B	-1383 / 0	0.0	0.0	0.15 (1)	6.91	
I- G	-1383 / 0	0.0	0.0	0.15 (1)	6.91	
Q- P	0 / 47	-28.0	-28.0	0.02 (2)	10.00	
P- O	0 / 36	0.0	0.0	0.08 (1)	10.00	
O- C	-30 / 122	0.0	0.0	0.08 (2)	7.81	
O- N	0 / 1515	-28.0	-28.0	0.40 (2)	10.00	
N- M	0 / 882	-28.0	-28.0	0.33 (2)	10.00	
M- L	0 / 882	-28.0	-28.0	0.33 (2)	10.00	
L- K	0 / 1515	-28.0	-28.0	0.40 (2)	10.00	
J- K	0 / 36	0.0	0.0	0.08 (1)	10.00	
K- F	-31 / 123	0.0	0.0	0.06 (2)	7.81	
J- I	0 / 47	-28.0	-28.0	0.02 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	-654 / 0	0.54 (1)
N- D	0 / 322	0.07 (2)
D- L	0 / 4	0.00 (2)
L- E	0 / 325	0.07 (2)
L- F	-655 / 0	0.54 (1)
Q- O	-60 / 0	0.01 (1)
B- O	0 / 1480	0.33 (1)
K- I	-60 / 0	0.01 (1)
K- G	0 / 1480	0.33 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.16")

CSI: TC=0.56/1.00 (C-D:1) , BC=0.40/1.00 (K-L:2) , WB=0.54/1.00 (F-L:1) , SSI=0.24/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (G) (INPUT = 0.90)
JSI METAL= 0.36 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 29070 S. KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 10992-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T4	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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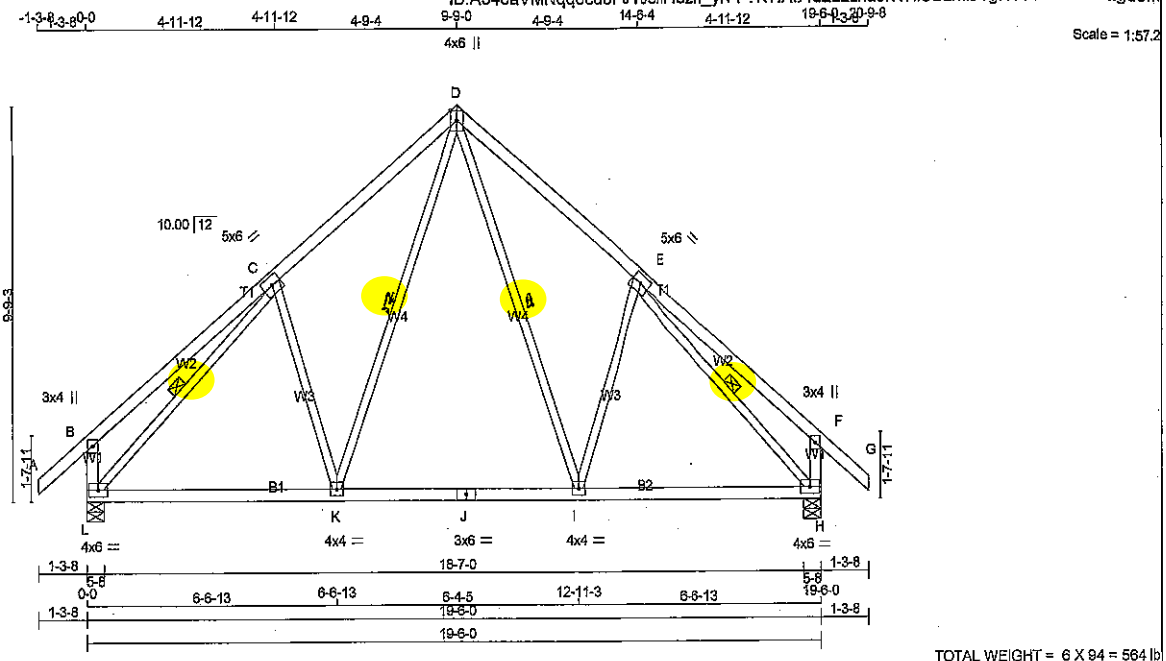


TOTAL WEIGHT = 6 X 94 = 564 lb [M][F]

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	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	4.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
L	1441	0	1441	0	0	5-8	5-8
H	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
H	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 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 = 5.58 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00
B- C	0 / 39	-104.9	-104.9	0.41 (1)		10.00
C- D	-1124 / 0	-104.9	-104.9	0.33 (1)		5.58
D- E	-1124 / 0	-104.9	-104.9	0.33 (1)		5.58
E- F	0 / 39	-104.9	-104.9	0.41 (1)		10.00
F- G	0 / 47	-104.9	-104.9	0.14 (1)		10.00
L- B	-338 / 0	0.0	0.0	0.04 (1)		7.81
H- F	-338 / 0	0.0	0.0	0.04 (1)		7.81
L- K	0 / 932	-28.0	-28.0	0.37 (2)		10.00
K- J	0 / 667	-28.0	-28.0	0.34 (2)		10.00
J- I	0 / 667	-28.0	-28.0	0.34 (2)		10.00
I- H	0 / 932	-28.0	-28.0	0.37 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
D- I	0 / 525	0.12 (1)
I- E	-315 / 47	0.18 (1)
K- D	0 / 525	0.12 (1)
C- K	-315 / 47	0.18 (1)
L- C	-1388 / 0	0.48 (1)
E- H	-1388 / 0	0.48 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.41/1.00 (E-F:1) , BC=0.37/1.00 (K-L:2) , WB=0.48/1.00 (C-L:1) , SSI=0.19/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

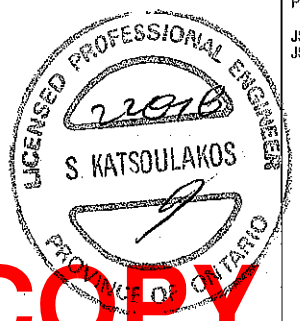
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (E) (INPUT = 0.90)
JSI METAL= 0.37 (E) (INPUT = 1.00)



DWG NO. TAM 10993-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
295229	G4	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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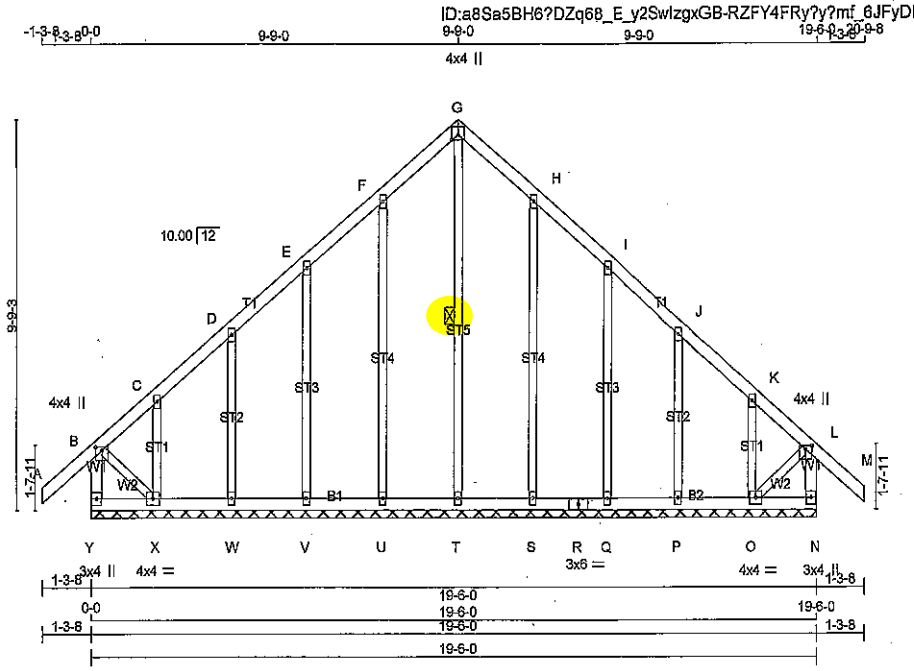


TOTAL WEIGHT = 101 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
Y - B	2x4	DRY	No.2	SPF
A - G	2x4	DRY	No.2	SPF
G - M	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
Y - R	2x4	DRY	No.2	SPF
R - N	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, F, H, I, J, K						
C	TMW+w	MT20	2.0	4.0		
G	TTW+p	MT20	4.0	4.0	1.50	2.00
L	TMVW+p	MT20	4.0	4.0	1.00	2.00
N	BMV1+p	MT20	3.0	4.0		
O	BMWW1-t	MT20	4.0	4.0		
P, Q, S, T, U, V, W						
P	BMW1+w	MT20	2.0	4.0		
R	BS-t	MT20	3.0	6.0		
X	BMWW1-t	MT20	4.0	4.0		
Y	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF)	CSI (LC)	MAX. UNBRAC LENGTH
Y- B	-336 / 0	0.0	0.0	0.04 (1)	7.81	
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
B- C	-76 / 0	-104.9	-104.9	0.14 (1)	6.25	
C- D	-28 / 0	-104.9	-104.9	0.05 (1)	6.25	
D- E	-32 / 0	-104.9	-104.9	0.05 (1)	6.25	
E- F	-22 / 0	-104.9	-104.9	0.06 (1)	6.25	
F- G	-36 / 0	-104.9	-104.9	0.06 (1)	6.25	
G- H	-36 / 0	-104.9	-104.9	0.06 (1)	6.25	
H- I	-22 / 0	-104.9	-104.9	0.06 (1)	6.25	
I- J	-32 / 0	-104.9	-104.9	0.05 (1)	6.25	
J- K	-28 / 0	-104.9	-104.9	0.05 (1)	6.25	
K- L	-76 / 0	-104.9	-104.9	0.14 (1)	6.25	
L- M	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
N- L	-336 / 0	0.0	0.0	0.04 (1)	7.81	
Y- X	0 / 0	-28.0	-28.0	0.02 (2)	10.00	
X- W	0 / 28	-28.0	-28.0	0.03 (2)	10.00	
W- V	0 / 23	-28.0	-28.0	0.02 (2)	10.00	
V- U	0 / 20	-28.0	-28.0	0.02 (2)	10.00	
U- T	0 / 17	-28.0	-28.0	0.02 (2)	10.00	
T- S	0 / 17	-28.0	-28.0	0.02 (2)	10.00	
S- R	0 / 20	-28.0	-28.0	0.02 (2)	10.00	
R- Q	0 / 20	-28.0	-28.0	0.02 (2)	10.00	
Q- P	0 / 23	-28.0	-28.0	0.02 (2)	10.00	
P- O	0 / 28	-28.0	-28.0	0.03 (2)	10.00	
O- N	0 / 0	-28.0	-28.0	0.02 (2)	10.00	

WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- G	-149 / 0	0.09 (1)
U- F	-239 / 0	0.30 (1)
V- E	-198 / 0	0.13 (1)
W- D	-223 / 0	0.07 (1)
X- C	-122 / 0	0.02 (1)
S- H	-239 / 0	0.30 (1)
Q- I	-198 / 0	0.13 (1)
P- J	-223 / 0	0.07 (1)
O- K	-122 / 0	0.02 (1)
B- X	0 / 40	0.01 (1)
O- L	0 / 40	0.01 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

CSI: TC=0.14/1.00 (L-M:1) , BC=0.03/1.00 (W-X:2) , WB=0.30/1.00 (F-U:1) , SSI=0.09/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

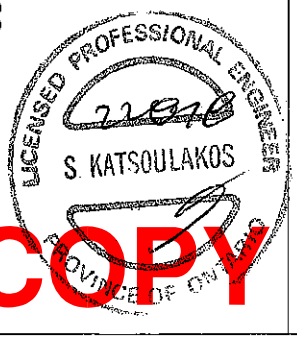
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (G) (INPUT = 0.90)
JSI METAL= 0.06 (H) (INPUT = 1.00)



DWG NO. TAM 11025-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T4S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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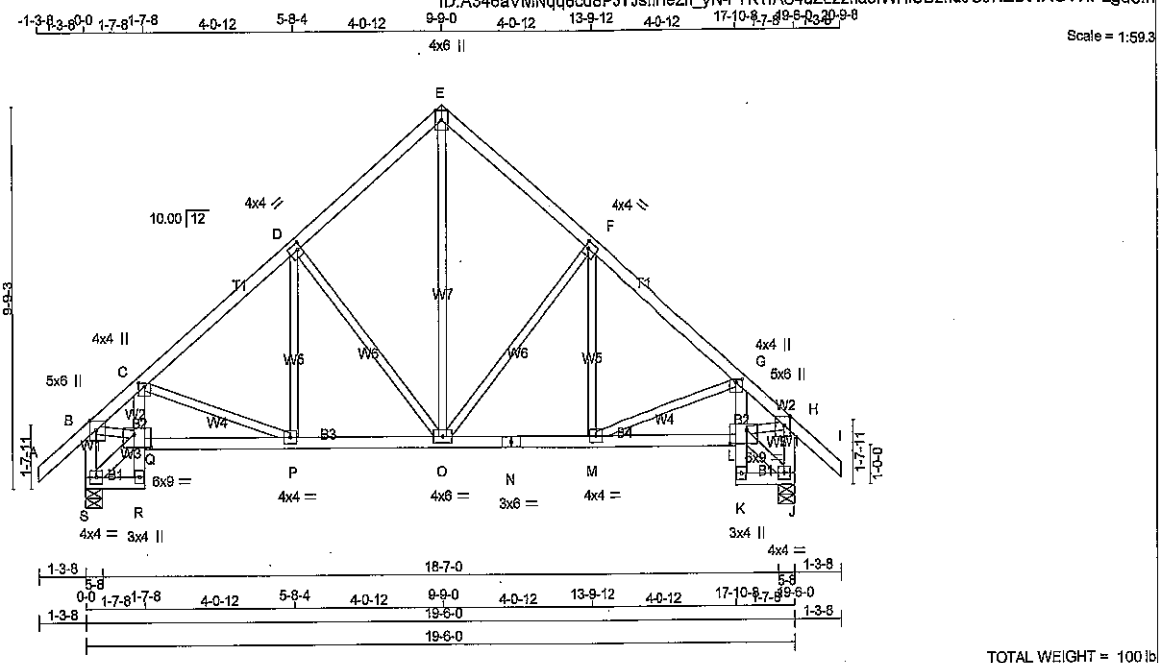

TOTAL WEIGHT = 100 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
S - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
S - R	2x4	DRY	No.2	SPF
R - C	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
K - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
S - Q	2x4	DRY	No.2	SPF
L - J	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	2.75	2.00
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	TMWW-t	MT20	4.0	4.0	2.00	1.25
E	TTW+p	MT20	4.0	6.0	Edge	
F	TMWW-t	MT20	4.0	4.0	2.00	1.25
G	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	TMVW+p	MT20	5.0	6.0	2.75	2.00
J	BMVW1-t	MT20	4.0	4.0		
K	BMV+p	MT20	3.0	4.0		
L	BVMWW-t	MT20	6.0	9.0	4.00	5.50
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BVMWW-t	MT20	6.0	9.0	4.00	5.50
R	BMV+p	MT20	3.0	4.0		
S	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	1441	0	1441	0	0	5-8	5-8
J	1441	0	1441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
J	1131	723 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-1624 / 0	-104.9	-104.9	0.13 (1)	5.08
C- D	-1362 / 0	-104.9	-104.9	0.23 (1)	5.32
D- E	-996 / 0	-104.9	-104.9	0.22 (1)	6.01
E- F	-996 / 0	-104.9	-104.9	0.22 (1)	6.01
F- G	-1362 / 0	-104.9	-104.9	0.23 (1)	5.32
G- H	-1624 / 0	-104.9	-104.9	0.13 (1)	5.08
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00
S- B	-1387 / 0	0.0	0.0	0.15 (1)	6.90
J- H	-1387 / 0	0.0	0.0	0.15 (1)	6.90
S- R	0 / 42	-28.0	-28.0	0.02 (2)	10.00
R- Q	0 / 36	0.0	0.0	0.07 (1)	10.00
Q- C	-21 / 80	0.0	0.0	0.05 (2)	7.81
Q- P	0 / 1273	-28.0	-28.0	0.26 (1)	10.00
P- O	0 / 1062	-28.0	-28.0	0.23 (2)	10.00
O- N	0 / 1062	-28.0	-28.0	0.23 (2)	10.00
N- M	0 / 1062	-28.0	-28.0	0.23 (2)	10.00
M- L	0 / 1273	-28.0	-28.0	0.26 (1)	10.00
K- L	0 / 36	0.0	0.0	0.07 (1)	10.00
L- G	-21 / 80	0.0	0.0	0.05 (2)	7.81
K- J	0 / 42	-28.0	-28.0	0.02 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- E	0 / 906	0.20 (1)
O- F	-511 / 0	0.39 (1)
M- F	0 / 243	0.05 (2)
M- G	-224 / 0	0.07 (1)
D- O	-511 / 0	0.39 (1)
P- D	0 / 243	0.05 (2)
C- P	-224 / 0	0.07 (1)
S- Q	-54 / 0	0.01 (1)
B- Q	0 / 1241	0.28 (1)
L- J	-54 / 0	0.01 (1)
L- H	0 / 1241	0.28 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.23/1.00 (C-D:1) , BC=0.26/1.00 (P-Q:1) , WB=0.39/1.00 (D-O:1) , SSI=0.16/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (H) (INPUT = 0.90)
JSI METAL= 0.31 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2016 S KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 10994-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T5	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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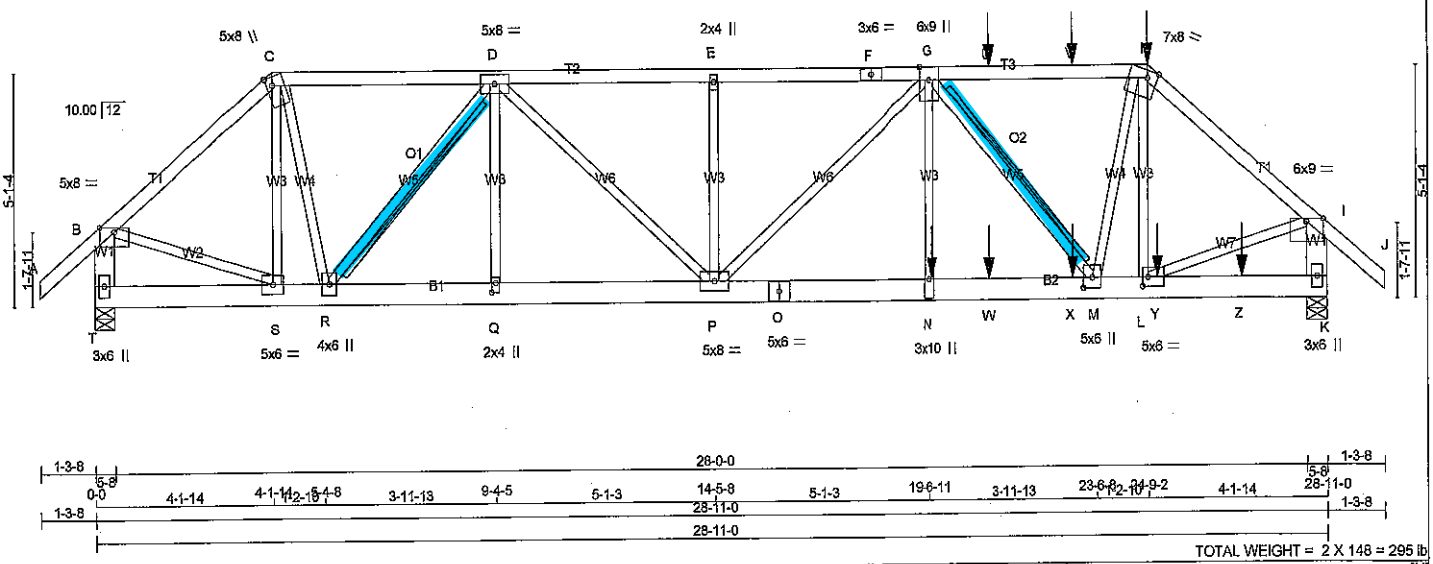


TOTAL WEIGHT = 2 X 148 = 295 lb

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
T - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
T - O	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS		SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- F	1	12	TOP
F- H	1	12	SIDE(61.0)
H- J	1	12	SIDE(61.0)
T- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
T- O	2	12	TOP
O- K	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
H- L	1	6	SIDE(15.5)
G- N	1	3	SIDE(754.0)
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	8.0	Edge	
C	TTWW+m	MT20	5.0	8.0	2.25	1.50
D	TMWWW-t	MT20	5.0	8.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWWW+t	MT20	6.0	9.0	Edge	
H	TTWW-m	MT20	7.0	8.0	Edge	2.75
I	TMVW-p	MT20	6.0	9.0	Edge	
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0	2.50	1.50
M	BMWW+t	MT20	5.0	6.0	2.75	2.50
N	BMW+w	MT20	3.0	10.0		
O	BS-t	MT20	5.0	8.0		
P	BMWWW-t	MT20	5.0	8.0		
Q	BMW+w	MT20	2.0	4.0	2.50	1.00
R	BMWW+t	MT20	4.0	6.0		
S	BMWW-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
T	3570	0	3570	0	0	5-8	5-8
K	6195	0	6195	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	2603	1790 / 0	508 / 0	0 / 0	0 / 0	504 / 0	0 / 0
K	4873	3096 / 0	893 / 0	0 / 0	0 / 0	883 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x4 DRY SPF No.2 T-BRACE AT D-R, G-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.

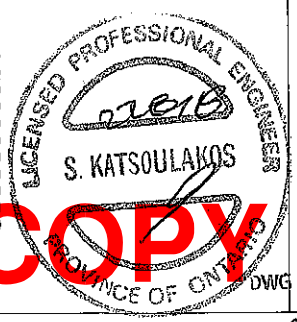
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF)	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.08 (1)	10.00	
B- C	-3696 / 0	-104.9	-104.9	0.25 (1)	4.68	
C- D	-3451 / 0	-104.9	-104.9	0.29 (1)	4.75	
D- E	-7567 / 0	-104.9	-104.9	0.53 (1)	3.20	
E- F	-7567 / 0	-104.9	-104.9	0.53 (1)	3.20	
F- G	-7567 / 0	-104.9	-104.9	0.53 (1)	3.20	
G- U	-6004 / 0	-104.9	-104.9	0.44 (1)	3.63	
U- V	-6004 / 0	-104.9	-104.9	0.44 (1)	3.63	
V- H	-6004 / 0	-104.9	-104.9	0.44 (1)	3.63	
H- I	-6570 / 0	-104.9	-104.9	0.40 (1)	3.55	
I- J	0 / 47	-104.9	-104.9	0.08 (1)	10.00	
T- B	-3551 / 0	0.0	0.0	0.13 (1)	7.43	
K- I	-6029 / 0	0.0	0.0	0.22 (1)	6.02	
T- S	0 / 0	-28.0	-28.0	0.06 (1)	10.00	
S- R	0 / 2823	-28.0	-28.0	0.25 (1)	10.00	
R- Q	0 / 5611	-28.0	-28.0	0.42 (1)	10.00	
Q- P	0 / 5611	-28.0	-28.0	0.39 (1)	10.00	
P- O	0 / 8811	-28.0	-28.0	0.64 (1)	10.00	
O- N	0 / 8811	-28.0	-28.0	0.64 (1)	10.00	
N- W	0 / 8811	-28.0	-28.0	0.75 (1)	10.00	
W- X	0 / 8811	-28.0	-28.0	0.75 (1)	10.00	
X- M	0 / 8811	-28.0	-28.0	0.75 (1)	10.00	
M- L	0 / 5023	-28.0	-28.0	0.49 (1)	10.00	
L- Y	0 / 0	-28.0	-28.0	0.18 (1)	10.00	
Y- Z	0 / 0	-28.0	-28.0	0.18 (1)	10.00	
Z- K	0 / 0	-28.0	-28.0	0.16 (1)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- D	0 / 253	0.03 (2)
D- P	0 / 2668	0.33 (1)
P- E	-481 / 0	0.09 (1)
P- G	-1697 / 0	0.76 (1)
N- G	0 / 3871	0.48 (1)
B- S	0 / 2946	0.36 (1)
R- D	-3376 / 0	0.61 (1)
G- M	-4388 / 0	0.79 (1)
S- C	-409 / 0	0.08 (1)
C- R	0 / 2417	0.30 (1)
L- H	-520 / 0	0.10 (1)
M- H	0 / 3777	0.47 (1)
L- I	0 / 5237	0.65 (1)



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DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.29")

CSI: TC=0.53/1.00 (E-G:1) , BC=0.75/1.00 (M-N:1) , WB=0.79/1.00 (G-M:1) , SSI=0.21/1.00 (K-L:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 (G) (INPUT = 0.90)
JSI METAL= 0.72 (N) (INPUT = 1.00)

DWG NO. TAM 10995-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T5	1	2	TRUSS DESC.	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
T	BMV1+p	MT20	3.0	6.0		

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) 526.9 lbs FACTORED DOWN AT 24-9-2, 53.9 lbs FACTORED DOWN AT 20-11-12, AND 53.9 lbs FACTORED DOWN AT 22-11-12, AND 58.9 lbs FACTORED DOWN AT 24-9-2 ON TOP CHORD, AND 3592.2 lbs FACTORED DOWN AT 19-7-8, 336.6 lbs FACTORED DOWN AT 20-11-12, 336.6 lbs FACTORED DOWN AT 22-11-12, AND 336.6 lbs FACTORED DOWN AT 24-11-12, AND 336.6 lbs FACTORED DOWN AT 26-11-12 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
H	24-9-2	-527	-527	--	FRONT	VERT	TOTAL
H	24-9-2	-57	-57	--	BACK	VERT	TOTAL
N	19-7-8	-3592	-3592	--	BACK	VERT	TOTAL
U	20-11-12	-54	-54	--	BACK	VERT	TOTAL
V	22-11-12	-54	-54	--	BACK	VERT	TOTAL
W	20-11-12	-337	-337	--	BACK	VERT	TOTAL
X	22-11-12	-337	-337	--	BACK	VERT	TOTAL
Y	24-11-12	-337	-337	--	BACK	VERT	TOTAL
Z	26-11-12	-337	-337	--	BACK	VERT	TOTAL

DWG NO. TAM10995-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T5Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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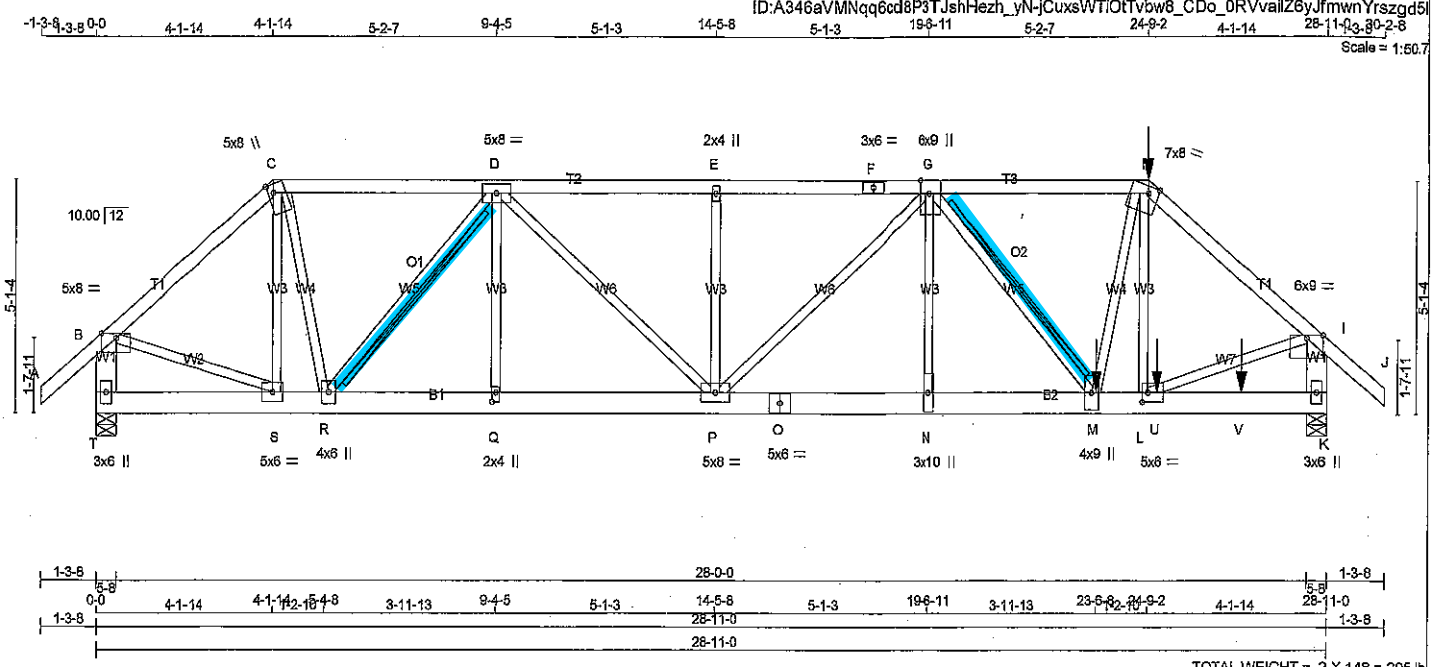

TOTAL WEIGHT = 2 X 148 = 295 lb

[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
T - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
T - O	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- F	1	12	TOP
F- H	1	12	SIDE(61.0)
H- J	1	12	SIDE(61.0)
T- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
T- O	2	12	TOP
O- K	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
H- L	1	6	SIDE(30.3)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT 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	8.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMWWW-t	MT20	5.0	8.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWWW+t	MT20	6.0	9.0	Edge	
H	TTWW-m	MT20	7.0	8.0	Edge	2.75
I	TMVW-p	MT20	6.0	9.0	Edge	
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0	2.50	1.50
M	BMWW+t	MT20	4.0	9.0		
N	BMW+w	MT20	3.0	10.0		
O	BS-t	MT20	5.0	6.0		
P	BMWWW-t	MT20	5.0	8.0		
Q	BMW+w	MT20	2.0	4.0	2.50	1.00
R	BMWW+t	MT20	4.0	6.0		
S	BMWW-t	MT20	5.0	6.0		
T	BMV1+p	MT20	3.0	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
T	2954	0	2954	0	0	5-8	5-8
K	6355	0	6355	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	2325	1475 / 0	428 / 0	0 / 0	0 / 0	422 / 0	0 / 0
K	5001	3174 / 0	919 / 0	0 / 0	0 / 0	908 / 0	0 / 0

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

2x4 DRY SPF No.2 T-BRACE AT D-R, G-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	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.08 (1)		10.00
B- C	-2973 / 0	-104.9	-104.9	0.22 (1)		5.13
C- D	-2750 / 0	-104.9	-104.9	0.27 (1)		5.22
D- E	-5674 / 0	-104.9	-104.9	0.40 (1)		3.77
E- F	-5674 / 0	-104.9	-104.9	0.38 (1)		3.78
F- G	-5674 / 0	-104.9	-104.9	0.38 (1)		3.78
G- H	-6075 / 0	-104.9	-104.9	0.41 (1)		3.65
H- I	-6752 / 0	-104.9	-104.9	0.41 (1)		3.49
I- J	0 / 47	-104.9	-104.9	0.08 (1)		10.00
T- B	-2927 / 0	0.0	0.0	0.11 (1)		7.81
K- I	-6185 / 0	0.0	0.0	0.23 (1)		5.96
T- S	0 / 0	-28.0	-28.0	0.05 (1)		10.00
S- R	0 / 2271	-28.0	-28.0	0.20 (1)		10.00
R- Q	0 / 4398	-28.0	-28.0	0.33 (1)		10.00
Q- P	0 / 4398	-28.0	-28.0	0.32 (1)		10.00
P- O	0 / 6316	-28.0	-28.0	0.44 (1)		10.00
O- N	0 / 6316	-28.0	-28.0	0.44 (1)		10.00
N- M	0 / 6316	-28.0	-28.0	0.58 (1)		10.00
M- L	0 / 5172	-28.0	-28.0	0.51 (1)		10.00
L- U	0 / 0	-28.0	-28.0	0.15 (1)		10.00
U- V	0 / 0	-28.0	-28.0	0.15 (1)		10.00
V- K	0 / 0	-28.0	-28.0	0.15 (1)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- D	0 / 261	0.03 (2)
D- P	0 / 1741	0.22 (1)
P- E	-491 / 0	0.09 (1)
P- G	-875 / 0	0.39 (1)
N- G	0 / 327	0.04 (2)
B- S	0 / 2370	0.29 (1)
R- D	-2575 / 0	0.47 (1)
G- M	-371 / 0	0.07 (1)
S- C	-319 / 0	0.06 (1)
C- R	0 / 1846	0.23 (1)
L- H	-81 / 134	0.02 (3)
M- H	0 / 3491	0.43 (1)
L- I	0 / 5382	0.67 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC	MAX-	MAX+	FACE	DIR	TYPE
H	24-9-2	-584	-584		FRONT	VERT	TOTAL
M	23-6-8	-3918	-3918		FRONT	VERT	TOTAL
U	24-11-12	-337	-337		FRONT	VERT	TOTAL
V	26-11-12	-337	-337		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 =	32.5	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.41/1.00 (G-H:1) , BC=0.58/1.00 (M-N:1) , WB=0.67/1.00 (I-L:1) , SSI=0.26/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 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	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (L) (INPUT = 0.90)
JSI METAL= 0.65 (L) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2016 S. KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 10996-12

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T5Z	1	2	TRUSS DESC.	

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) 583.8 lbs FACTORED DOWN AT 24-9-2 ON TOP CHORD, AND 3918.4 lbs FACTORED DOWN AT 23-6-8, AND 336.6 lbs FACTORED DOWN AT 24-11-12, AND 336.6 lbs FACTORED DOWN AT 26-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM10996-17B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T6	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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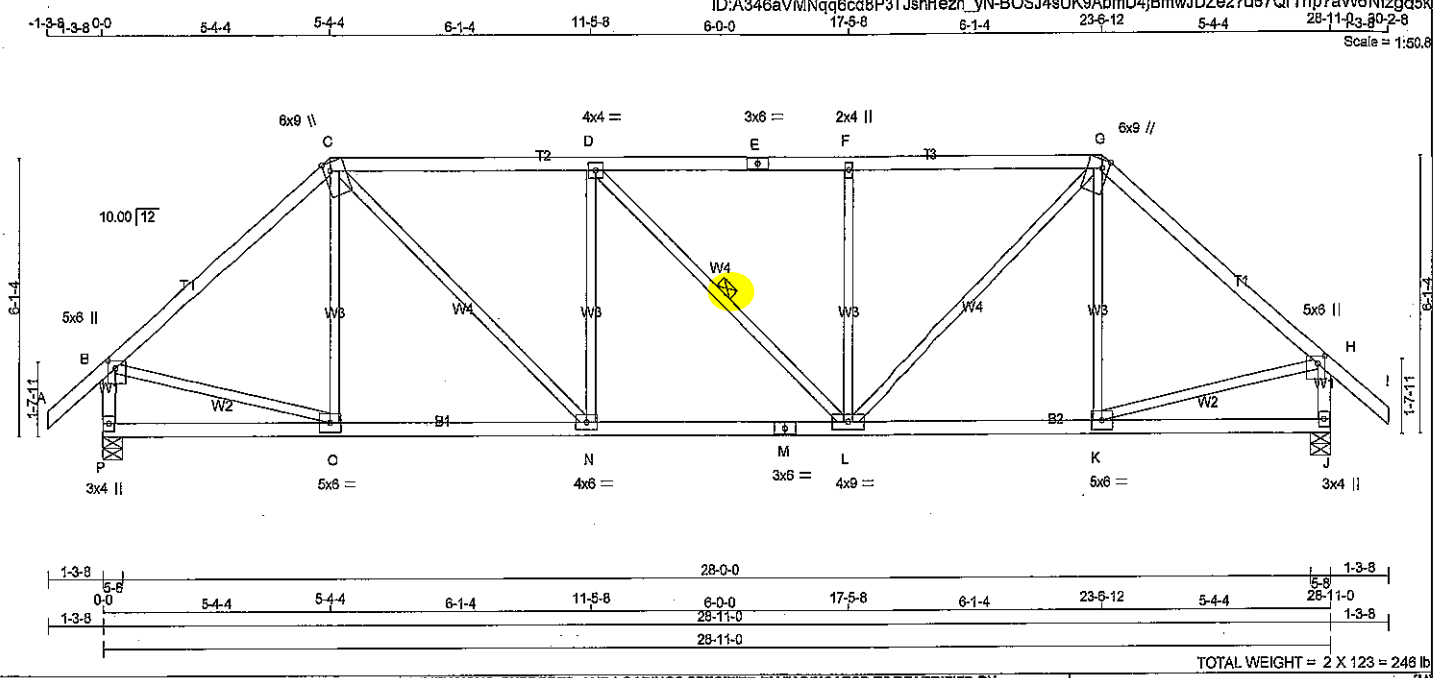


TOTAL WEIGHT = 2 X 123 = 246 lb

[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	2.00
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	6.0		
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	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	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	5.0	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	2067	0	2067	0	0	5-8	5-8
J	2067	0	2067	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 3.67 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX. (PLF) CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-1916 / 0	-104.9	-104.9	0.70 (1)	4.06
C- D	-2364 / 0	-104.9	-104.9	0.71 (1)	3.67
D- E	-2363 / 0	-104.9	-104.9	0.71 (1)	3.67
E- F	-2363 / 0	-104.9	-104.9	0.71 (1)	3.67
F- G	-2363 / 0	-104.9	-104.9	0.71 (1)	3.69
G- H	-1916 / 0	-104.9	-104.9	0.70 (1)	4.06
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00
P- B	-2007 / 0	0.0	0.0	0.21 (1)	5.96
J- H	-2008 / 0	0.0	0.0	0.21 (1)	5.96
P- O	0 / 0	-28.0	-28.0	0.22 (3)	10.00
O- N	0 / 1466	-28.0	-28.0	0.38 (2)	10.00
N- M	0 / 2364	-28.0	-28.0	0.46 (1)	10.00
M- L	0 / 2364	-28.0	-28.0	0.46 (1)	10.00
L- K	0 / 1466	-28.0	-28.0	0.38 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.22 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- C	-171 / 160	0.10 (1)
C- N	0 / 1239	0.28 (1)
N- D	-687 / 0	0.40 (1)
D- L	-2 / 0	0.00 (1)
L- F	-686 / 0	0.40 (1)
L- G	0 / 1236	0.28 (1)
K- G	-170 / 160	0.10 (1)
B- O	0 / 1510	0.34 (1)
K- H	0 / 1510	0.34 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA O86-09
- TPIC 2011

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

ALLOWABLE DEFL.(LL)= L/360 (0.95")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.95")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.71/1.00 (C-D:1) , BC=0.46/1.00 (L-N:1) , WB=0.40/1.00 (D-N:1) , SSI=0.30/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

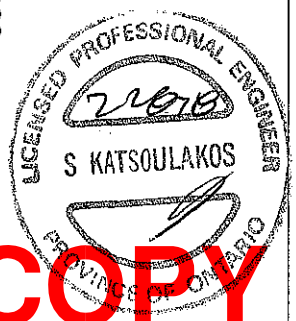
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.64 (M) (INPUT = 1.00)



SITE COPY

DWG NO. TAM 10997-17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T7	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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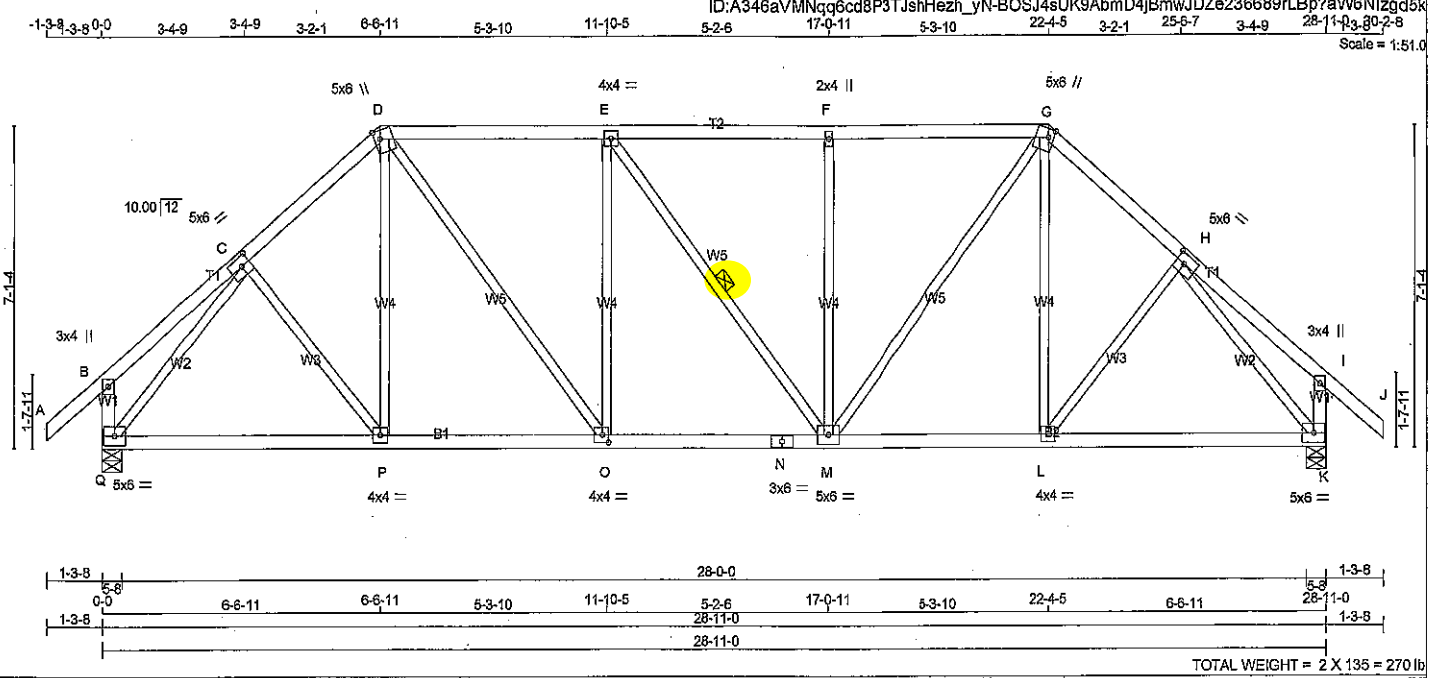

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	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	2.50
D	TTWW+m	MT20	5.0	6.0	2.25	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	2.25	1.50
H	TMWW-t	MT20	5.0	6.0	2.50	2.50
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	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0	2.00	1.75
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

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Q	2067	0	2067	0	0	5-8	5-8
K	2067	0	2067	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
K	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.22 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF 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 (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00
B- C	0 / 23	-104.9	-104.9	0.16 (1)		10.00
C- D	-1917 / 0	-104.9	-104.9	0.21 (1)		4.66
D- E	-2022 / 0	-104.9	-104.9	0.49 (1)		4.22
E- F	-2020 / 0	-104.9	-104.9	0.49 (1)		4.22
F- G	-2020 / 0	-104.9	-104.9	0.48 (1)		4.23
G- H	-1917 / 0	-104.9	-104.9	0.21 (1)		4.66
H- I	0 / 23	-104.9	-104.9	0.16 (1)		10.00
I- J	0 / 47	-104.9	-104.9	0.14 (1)		10.00
Q- B	-280 / 0	0.0	0.0	0.03 (1)		7.81
K- I	-280 / 0	0.0	0.0	0.03 (1)		7.81
Q- P	0 / 1385	-28.0	-28.0	0.41 (2)		10.00
P- O	0 / 1452	-28.0	-28.0	0.43 (2)		10.00
O- N	0 / 2022	-28.0	-28.0	0.39 (1)		10.00
N- M	0 / 2022	-28.0	-28.0	0.39 (1)		10.00
M- L	0 / 1453	-28.0	-28.0	0.43 (2)		10.00
L- K	0 / 1385	-28.0	-28.0	0.42 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- P	0 / 152	0.03 (2)
P- D	0 / 231	0.05 (3)
D- O	0 / 925	0.21 (1)
O- E	-594 / 0	0.52 (1)
E- M	-3 / 0	0.00 (1)
M- F	-594 / 0	0.52 (1)
M- G	0 / 922	0.21 (1)
L- G	0 / 231	0.05 (3)
L- H	0 / 152	0.03 (2)
Q- C	-2201 / 0	0.95 (1)
H- K	-2201 / 0	0.95 (1)

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.49/1.00 (D-E:1) , BC=0.43/1.00 (L-M:2) , WB=0.95/1.00 (H-K:1) , SSI=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (K) (INPUT = 0.90)
JSI METAL= 0.54 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2846
S KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 10998 -17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T8	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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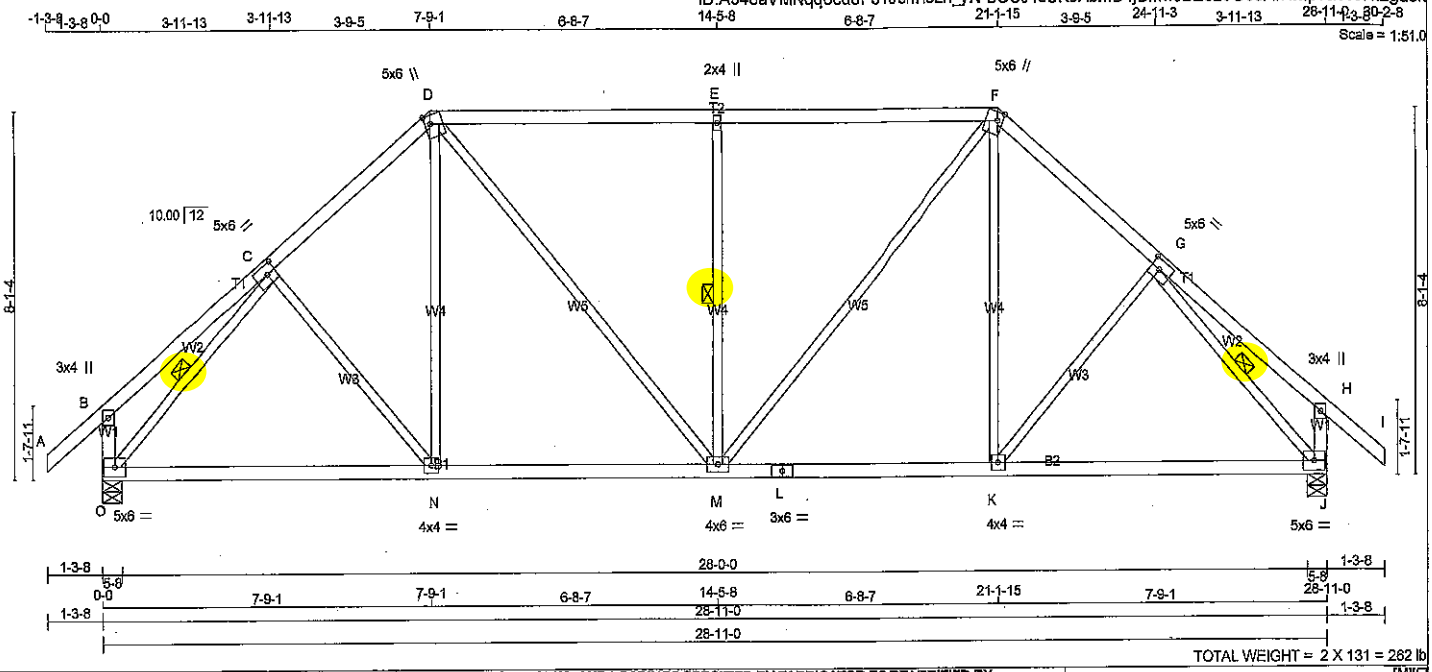

TOTAL WEIGHT = 2 X 131 = 262 lb

[MiTek]

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 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	2.50
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMWW-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	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	2067	0	2067	0	0	5-8	5-8
J	2067	0	2067	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.04 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, C-O, G-J.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00
B- C	0 / 29	-104.9	-104.9	0.24 (1)		10.00
C- D	-1882 / 0	-104.9	-104.9	0.23 (1)		4.69
D- E	-1859 / 0	-104.9	-104.9	0.67 (1)		4.04
E- F	-1859 / 0	-104.9	-104.9	0.67 (1)		4.04
F- G	-1882 / 0	-104.9	-104.9	0.23 (1)		4.69
G- H	0 / 29	-104.9	-104.9	0.24 (1)		10.00
H- I	0 / 47	-104.9	-104.9	0.14 (1)		10.00
O- B	-302 / 0	0.0	0.0	0.03 (1)		7.81
J- H	-302 / 0	0.0	0.0	0.03 (1)		7.81
O- N	0 / 1430	-28.0	-28.0	0.55 (2)		10.00
N- M	0 / 1423	-28.0	-28.0	0.56 (2)		10.00
M- L	0 / 1423	-28.0	-28.0	0.56 (2)		10.00
L- K	0 / 1423	-28.0	-28.0	0.56 (2)		10.00
K- J	0 / 1430	-28.0	-28.0	0.55 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	-16 / 117	0.03 (3)
N- D	0 / 351	0.08 (2)
D- M	0 / 670	0.15 (1)
M- E	-862 / 0	0.36 (1)
M- F	0 / 670	0.15 (1)
K- F	0 / 351	0.08 (2)
K- G	-16 / 117	0.03 (3)
O- C	-2203 / 0	0.55 (1)
G- J	-2203 / 0	0.55 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.26")

CSI: TC=0.67/1.00 (D-E:1) , BC=0.56/1.00 (M-N:2) , WB=0.55/1.00 (G-J:1) , SSI=0.34/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (O) (INPUT = 0.90)
JSI METAL= 0.54 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEERS
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DWG NO. TAM 10999-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T9	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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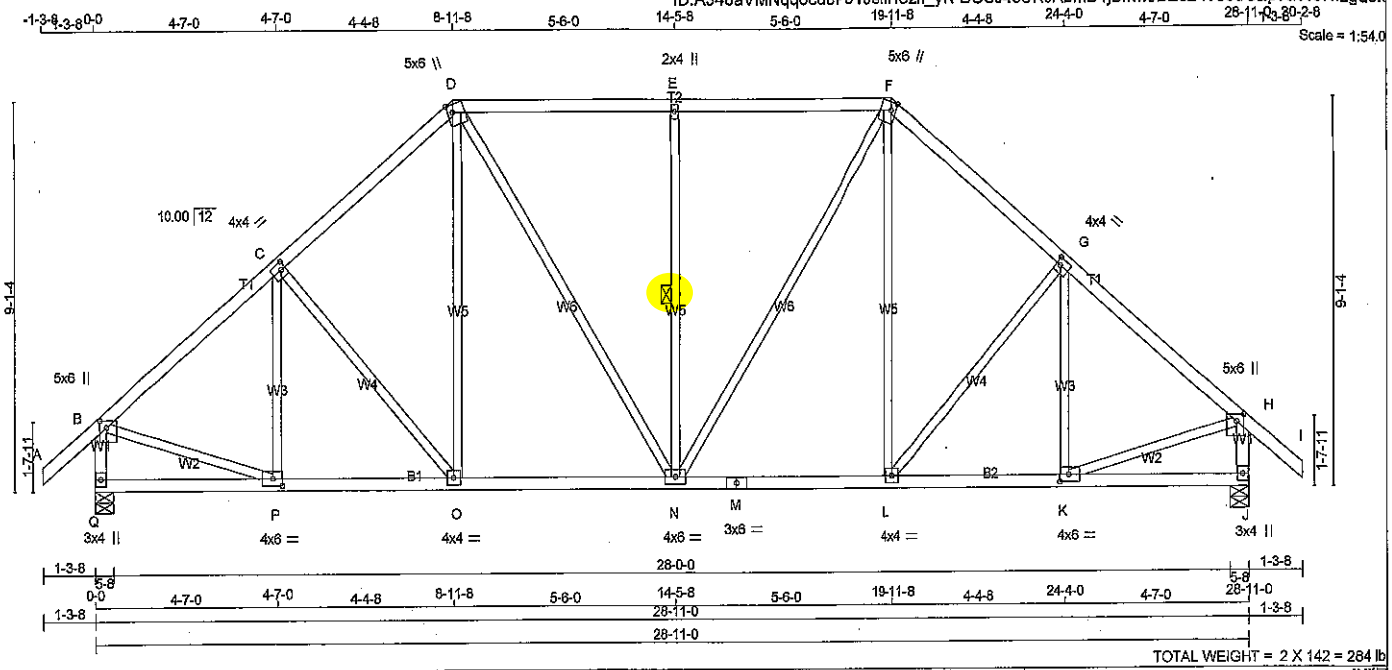

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	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

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	2.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMWW-t	MT20	4.0	4.0	2.00	1.25
H	TMVW+p	MT20	5.0	6.0	2.00	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0	2.00	2.75
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	6.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	4.0	6.0	2.00	2.75
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	2067	0	2067	0	0	5-8	5-8
J	2067	0	2067	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-1922 / 0	-104.9	-104.9	0.32 (1)	4.56
C- D	-1805 / 0	-104.9	-104.9	0.31 (1)	4.68
D- E	-1627 / 0	-104.9	-104.9	0.44 (1)	4.68
E- F	-1627 / 0	-104.9	-104.9	0.44 (1)	4.68
F- G	-1805 / 0	-104.9	-104.9	0.31 (1)	4.68
G- H	-1922 / 0	-104.9	-104.9	0.32 (1)	4.56
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00
Q- B	-2012 / 0	0.0	0.0	0.21 (1)	5.95
J- H	-2012 / 0	0.0	0.0	0.21 (1)	5.95
Q- P	0 / 0	-28.0	-28.0	0.13 (3)	10.00
P- O	0 / 1503	-28.0	-28.0	0.32 (1)	10.00
O- N	0 / 1359	-28.0	-28.0	0.32 (2)	10.00
N- M	0 / 1359	-28.0	-28.0	0.32 (2)	10.00
M- L	0 / 1359	-28.0	-28.0	0.32 (2)	10.00
L- K	0 / 1503	-28.0	-28.0	0.32 (1)	10.00
K- J	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-295 / 62	0.13 (1)
C- O	-225 / 0	0.19 (1)
O- D	0 / 340	0.08 (2)
D- N	0 / 506	0.11 (1)
N- E	-703 / 0	0.36 (1)
N- F	0 / 506	0.11 (1)
L- F	0 / 340	0.08 (2)
L- G	-225 / 0	0.19 (1)
K- G	-295 / 62	0.13 (1)
B- P	0 / 1563	0.35 (1)
K- H	0 / 1563	0.35 (1)

[M][F]

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.44/1.00 (D-E:1) , BC=0.32/1.00 (N-O:2) , WB=0.38/1.00 (E-N:1) , SSI=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.42 (H) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEERS
28/2/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11000 -1T
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T10	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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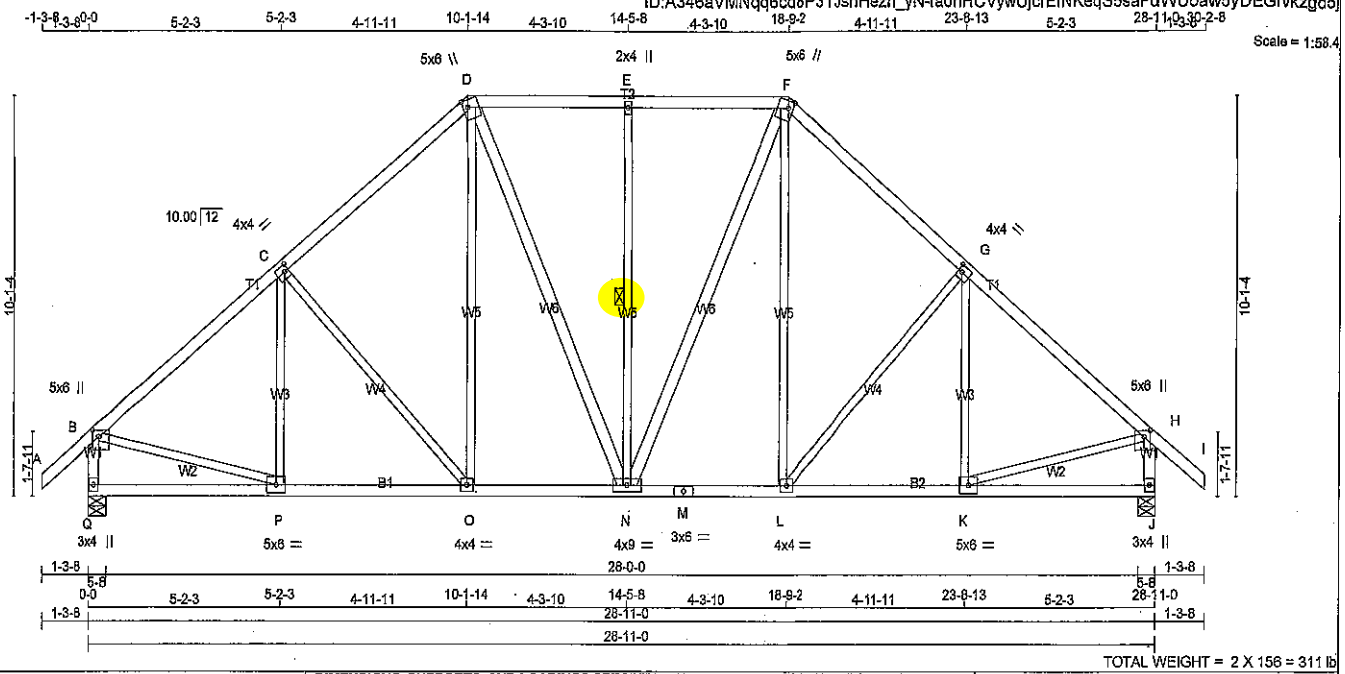

[M|F]

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	2.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMWW-t	MT20	4.0	4.0	2.00	1.25
H	TMVW+p	MT20	5.0	6.0	2.00	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	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	5.0	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	2067	0	2067	0	0	5-8	5-8
J	2067	0	2067	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1630	1029 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.42 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
B- C	-1943 / 0	-104.9	-104.9	0.42 (1)	4.42	
C- D	-1731 / 0	-104.9	-104.9	0.40 (1)	4.65	
D- E	-1443 / 0	-104.9	-104.9	0.26 (1)	5.16	
E- F	-1443 / 0	-104.9	-104.9	0.26 (1)	5.16	
F- G	-1731 / 0	-104.9	-104.9	0.40 (1)	4.65	
G- H	-1943 / 0	-104.9	-104.9	0.42 (1)	4.42	
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
Q- B	-2007 / 0	0.0	0.0	0.21 (1)	5.96	
J- H	-2007 / 0	0.0	0.0	0.21 (1)	5.96	
Q- P	0 / 0	-28.0	-28.0	0.18 (3)	10.00	
P- O	0 / 1523	-28.0	-28.0	0.34 (2)	10.00	
O- N	0 / 1299	-28.0	-28.0	0.27 (1)	10.00	
N- M	0 / 1299	-28.0	-28.0	0.27 (1)	10.00	
M- L	0 / 1299	-28.0	-28.0	0.27 (1)	10.00	
L- K	0 / 1523	-28.0	-28.0	0.34 (2)	10.00	
K- J	0 / 0	-28.0	-28.0	0.18 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI
P- C	-223 / 126	0.12 (1)
C- O	-341 / 0	0.39 (1)
O- D	0 / 382	0.09 (2)
D- N	0 / 358	0.08 (1)
N- E	-542 / 0	0.38 (1)
N- F	0 / 358	0.08 (1)
L- F	0 / 382	0.09 (2)
L- G	-341 / 0	0.39 (1)
K- G	-223 / 126	0.12 (1)
B- P	0 / 1571	0.35 (1)
K- H	0 / 1571	0.35 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.42/1.00 (G-H:1) , BC=0.34/1.00 (K-L:2) , WB=0.39/1.00 (C-O:1) , SSI=0.22/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

LICENSED PROFESSIONAL ENGINEER
2230
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11001 -T10
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T11S	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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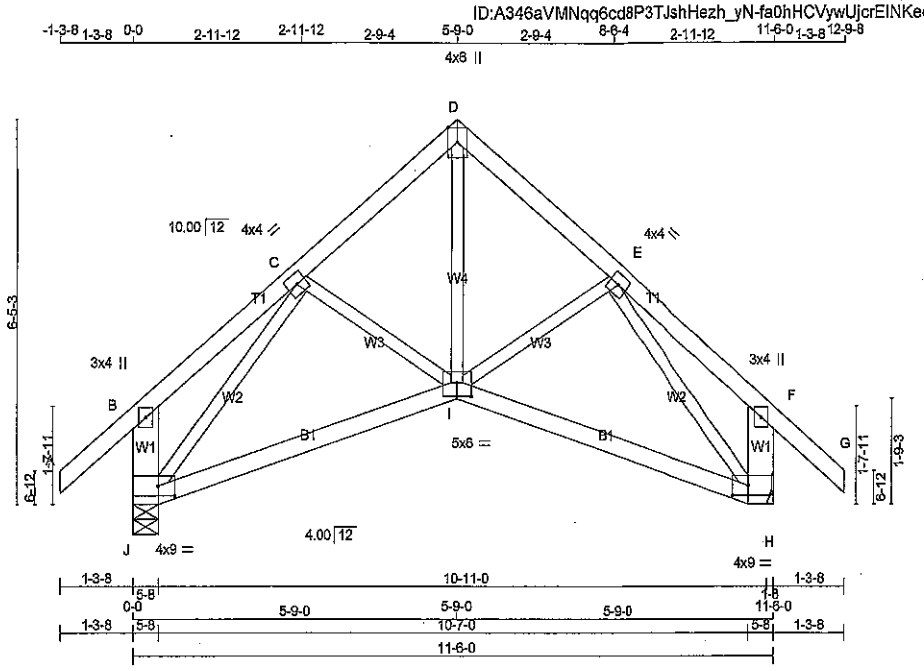

TOTAL WEIGHT = 3 X 56 = 167 lb

[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	2x6	DRY	No.2	SPF
H - F	2x6	DRY	No.2	SPF
J - I	2x4	DRY	No.2	SPF
I - 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		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
H	BVMW1-p	MT20	4.0	9.0	2.00	3.50
I	BBWWW-p	MT20	5.0	6.0	2.75	3.00
J	BVMW1-p	MT20	4.0	9.0	2.00	3.50

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
J	910	0	910	0	0	5-8	5-8
H	910	0	910	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	708	463 / 0	121 / 0	0 / 0	0 / 0	123 / 0	0 / 0
H	708	463 / 0	121 / 0	0 / 0	0 / 0	123 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 47	-104.9	-104.9	0.14 (1)		10.00	I- D	0 / 605	0.14 (1)
B- C	0 / 20	-104.9	-104.9	0.12 (1)		10.00	I- E	-63 / 52	0.01 (1)
C- D	-681 / 0	-104.9	-104.9	0.10 (1)		6.25	C- I	-63 / 52	0.01 (1)
D- E	-681 / 0	-104.9	-104.9	0.10 (1)		6.25	J- C	-938 / 0	0.31 (1)
E- F	0 / 20	-104.9	-104.9	0.12 (1)		10.00	E- H	-938 / 0	0.31 (1)
F- G	0 / 47	-104.9	-104.9	0.14 (1)		10.00			
J- B	-264 / 0	0.0	0.0	0.02 (1)		7.81			
H- F	-264 / 0	0.0	0.0	0.02 (1)		7.81			
J- I	0 / 591	-28.0	-28.0	0.33 (2)		10.00			
I- H	0 / 591	-28.0	-28.0	0.33 (2)		10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.38")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.14/1.00 (A-B:1) , BC=0.33/1.00 (H-I:2) , WB=0.31/1.00 (C-J:1) , SSI=0.11/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (H) (INPUT = 0.90)
JSI METAL= 0.34 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
1206
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11002-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T12	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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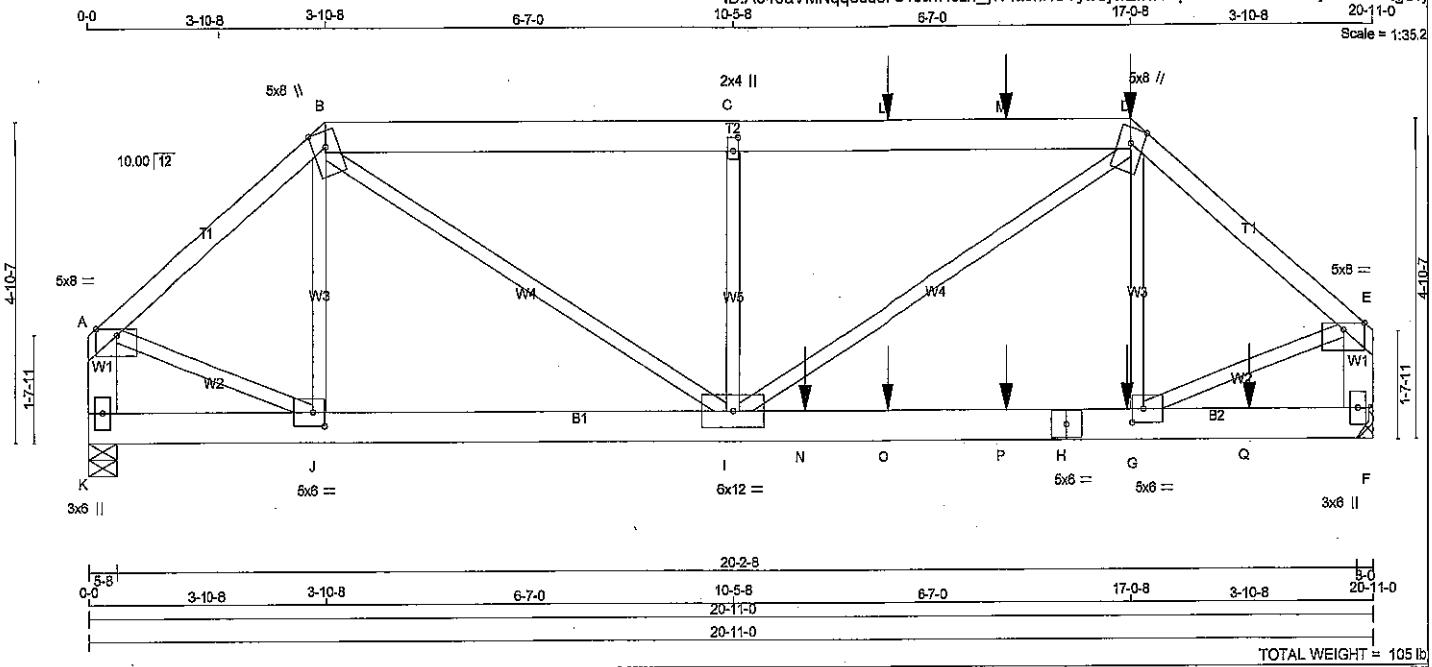

TOTAL WEIGHT = 105 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge	
B	TTWW+m	MT20	5.0	8.0	Edge	
C	TMW+w	MT20	2.0	4.0	2.50	1.00
D	TTWW+m	MT20	5.0	8.0	Edge	
E	TMVW-p	MT20	5.0	8.0	Edge	
F	BMV1+p	MT20	3.0	6.0		
G	BMWW-t	MT20	5.0	6.0	2.50	2.25
H	BS-t	MT20	5.0	6.0		
I	BMWWW-t	MT20	6.0	12.0		
J	BMWW-t	MT20	5.0	6.0	2.50	2.25
K	BMV1+p	MT20	3.0	6.0		

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) 98.4 lbs FACTORED DOWN AT 12-11-12, AND 98.4 lbs FACTORED DOWN AT 14-11-12, AND 330.3 lbs FACTORED DOWN AT 17-0-8 ON TOP CHORD, AND 1170.2 lbs FACTORED DOWN AT 11-7-8, 45.9 lbs FACTORED DOWN AT 12-11-12, 45.9 lbs FACTORED DOWN AT 14-11-12, AND 45.9 lbs FACTORED DOWN AT 16-11-12, AND 45.9 lbs FACTORED DOWN AT 18-11-12 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	REQRD BRG
K	2061	0	2061	0	0	5-8	5-8
F	2522	0	2522	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1619	1032 / 0	295 / 0	0 / 0	0 / 0	292 / 0	0 / 0
F	1974	1270 / 0	351 / 0	0 / 0	0 / 0	353 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.78 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 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-2024 / 0	-104.9	-104.9	0.39 (1)	4.32	J- B	-448 / 37	0.15 (1)
B- C	-3474 / 0	-104.9	-104.9	0.51 (1)	4.00	B- I	0 / 2295	0.57 (1)
C- L	-3474 / 0	-104.9	-104.9	0.51 (1)	4.00	I- C	-969 / 0	0.31 (1)
L- M	-3474 / 0	-104.9	-104.9	0.51 (1)	4.00	I- D	0 / 1715	0.42 (1)
M- D	-3474 / 0	-104.9	-104.9	0.51 (1)	4.00	G- D	-153 / 248	0.06 (3)
D- E	-2658 / 0	-104.9	-104.9	0.45 (1)	3.78	A- J	0 / 1638	0.41 (1)
K- A	-1999 / 0	0.0	0.0	0.15 (1)	7.10	G- E	0 / 2152	0.53 (1)
F- E	-2562 / 0	0.0	0.0	0.19 (1)	6.44			
K- J	0 / 0	-28.0	-28.0	0.07 (3)	10.00			
J- I	0 / 1569	-28.0	-28.0	0.56 (1)	10.00			
I- N	0 / 2051	-28.0	-28.0	0.83 (1)	10.00			
N- O	0 / 2051	-28.0	-28.0	0.83 (1)	10.00			
O- P	0 / 2051	-28.0	-28.0	0.83 (1)	10.00			
P- H	0 / 2051	-28.0	-28.0	0.83 (1)	10.00			
H- G	0 / 2051	-28.0	-28.0	0.83 (1)	10.00			
G- Q	0 / 0	-28.0	-28.0	0.29 (1)	10.00			
Q- F	0 / 0	-28.0	-28.0	0.29 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	17-0-8	-330	-330	—	BACK	VERT	TOTAL
G	16-11-12	-26	-46	—	BACK	VERT	TOTAL
L	12-11-12	-98	-98	—	BACK	VERT	TOTAL
M	14-11-12	-98	-98	—	BACK	VERT	TOTAL
N	11-7-8	-1170	-1170	—	BACK	VERT	TOTAL
O	12-11-12	-26	-46	—	BACK	VERT	TOTAL
P	14-11-12	-26	-46	—	BACK	VERT	TOTAL
Q	16-11-12	-26	-46	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.24")

CSI: TC=0.51/1.00 (C-D:1) , BC=0.83/1.00 (G-I:1) , WB=0.57/1.00 (B-I:1) , SSI=0.73/1.00 (G-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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.

LSI GRIP= 0.88 (E) (INPUT = 0.90)
LSI METAL= 0.51 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM11003 -12B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T13	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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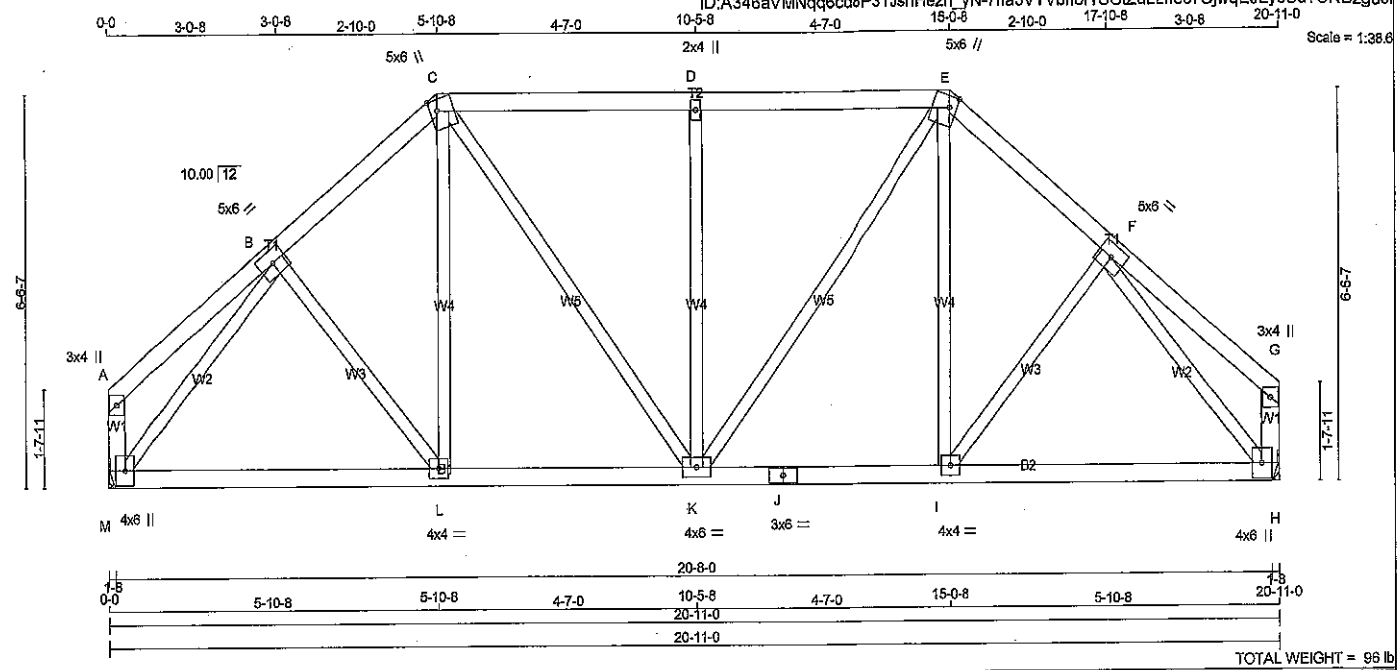

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1390	0	1390	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
H	1390	0	1390	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX /MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1108	679 / 0	220 / 0	0 / 0	0 / 0	209 / 0	0 / 0
H	1108	679 / 0	220 / 0	0 / 0	0 / 0	209 / 0	0 / 0

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.48 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 20	-104.9	-104.9	0.13 (1)	10.00
B- C	-1271 / 0	-104.9	-104.9	0.12 (1)	5.60
C- D	-1208 / 0	-104.9	-104.9	0.29 (1)	5.48
D- E	-1208 / 0	-104.9	-104.9	0.29 (1)	5.48
E- F	-1271 / 0	-104.9	-104.9	0.12 (1)	5.60
F- G	0 / 20	-104.9	-104.9	0.13 (1)	10.00
M- A	-121 / 0	0.0	0.0	0.01 (1)	7.81
H- G	-121 / 0	0.0	0.0	0.01 (1)	7.81
M- L	0 / 937	-28.0	-28.0	0.32 (2)	10.00
L- K	0 / 960	-28.0	-28.0	0.33 (2)	10.00
K- J	0 / 960	-28.0	-28.0	0.33 (2)	10.00
J- I	0 / 960	-28.0	-28.0	0.33 (2)	10.00
I- H	0 / 937	-28.0	-28.0	0.32 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- L	0 / 105	0.02 (3)
L- C	0 / 238	0.05 (2)
C- K	0 / 419	0.09 (1)
K- D	-583 / 0	0.41 (1)
K- E	0 / 419	0.09 (1)
I- E	0 / 238	0.05 (2)
I- F	0 / 105	0.02 (3)
M- B	-1523 / 0	0.55 (1)
F- H	-1523 / 0	0.55 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.29/1.00 (C-D:1) , BC=0.33/1.00 (K-L:2) , WB=0.55/1.00 (B-M:1) , SSI=0.23/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (H) (INPUT = 0.90)
JSI METAL= 0.37 (F) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2208
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11004-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T14	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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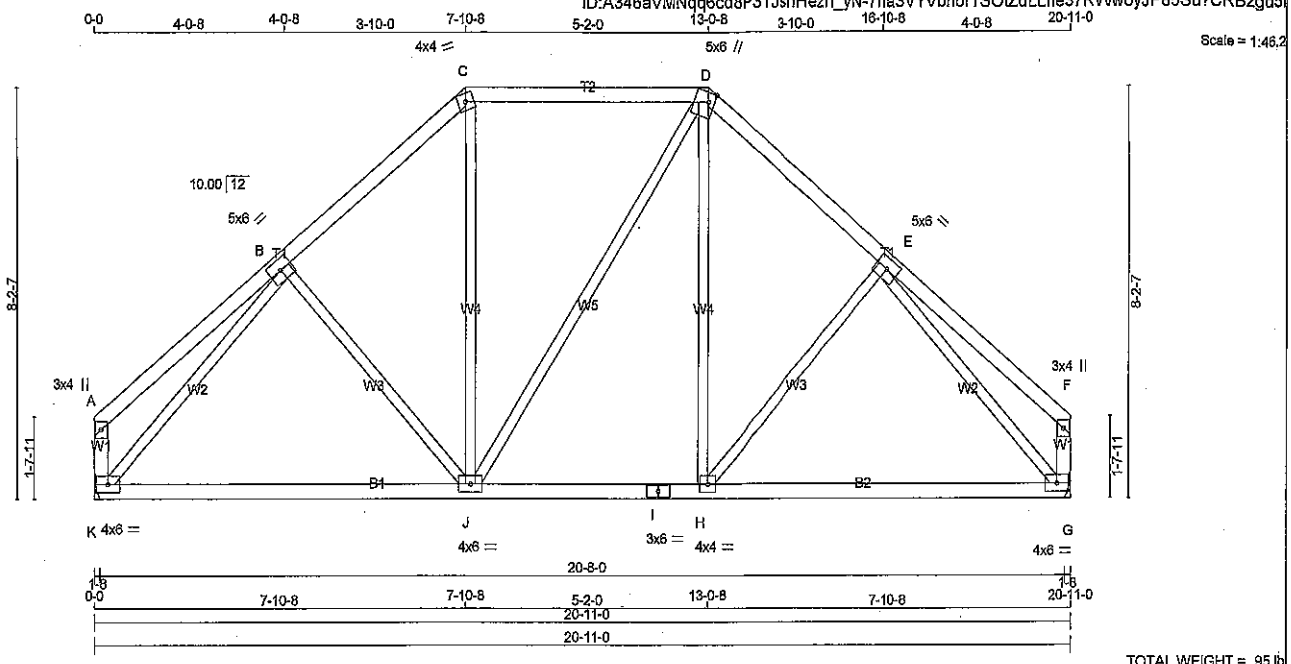

TOTAL WEIGHT = 95 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
K	1390	0	1390	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
G	1390	0	1390	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1108	679 / 0	220 / 0	0 / 0	0 / 0	209 / 0	0 / 0
G	1108	679 / 0	220 / 0	0 / 0	0 / 0	209 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.65 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 31	-104.9	-104.9	0.26 (1)	10.00		B- J	-144 / 64	0.09 (1)
B- C	-1178 / 0	-104.9	-104.9	0.22 (1)	5.65		J- C	0 / 344	0.08 (2)
C- D	-884 / 0	-104.9	-104.9	0.37 (1)	6.04		J- D	0 / 0	0.00 (1)
D- E	-1178 / 0	-104.9	-104.9	0.22 (1)	5.65		H- D	0 / 343	0.08 (2)
E- F	0 / 31	-104.9	-104.9	0.26 (1)	10.00		H- E	-144 / 63	0.09 (1)
K- A	-157 / 0	0.0	0.0	0.02 (1)	7.81		K- B	-1499 / 0	0.92 (1)
G- F	-157 / 0	0.0	0.0	0.02 (1)	7.81		E- G	-1499 / 0	0.92 (1)
K- J	0 / 975	-28.0	-28.0	0.47 (2)	10.00				
J- I	0 / 883	-28.0	-28.0	0.43 (2)	10.00				
I- H	0 / 883	-28.0	-28.0	0.43 (2)	10.00				
H- G	0 / 975	-28.0	-28.0	0.47 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/ 857 (0.29")

CSI: TC=0.37/1.00 (C-D:1) , BC=0.47/1.00 (G-H:2) , WB=0.92/1.00 (B-K:1) , SSI=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 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 (I) (INPUT = 0.90)
JSI METAL= 0.50 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM11005-TB
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T15	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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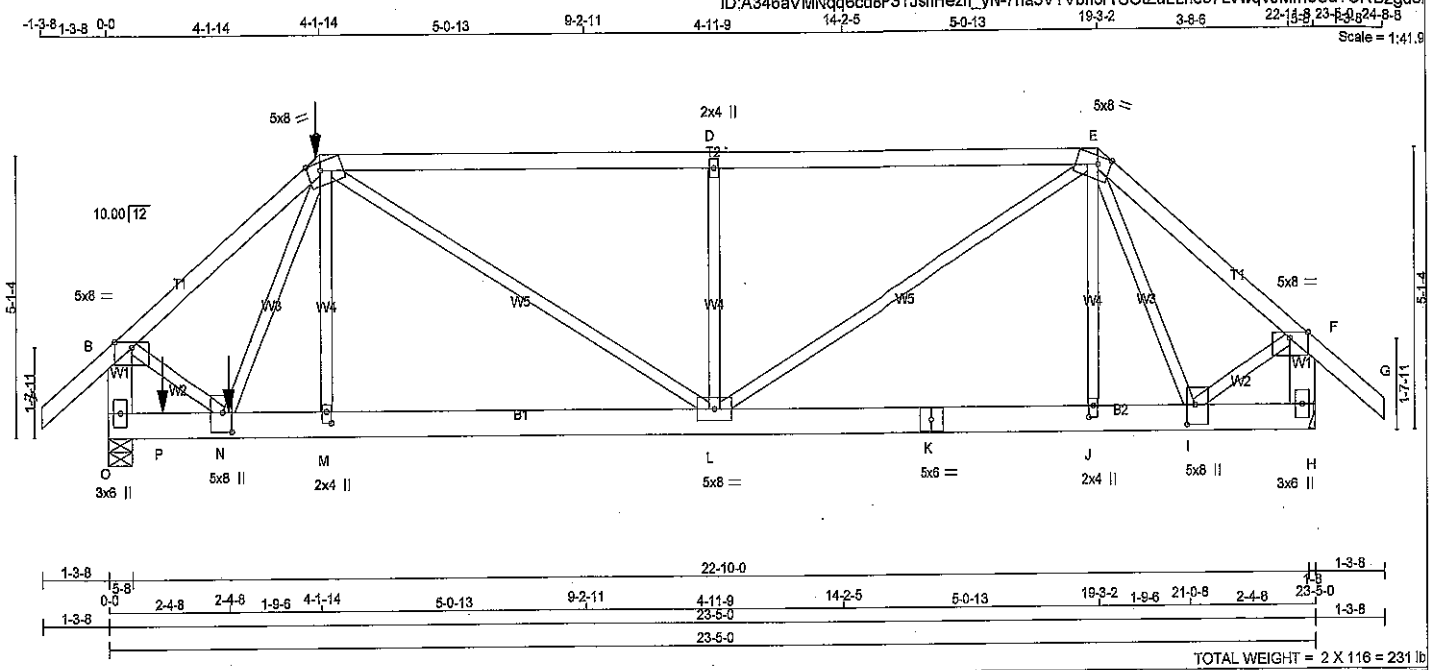

LUMBER

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
O - B	2x6	DRY	No.2	SPF
H - F	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
K - H	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	SIDE(61.0)
C- E	1	12	SIDE(61.0)
E- G	1	12	TOP
O- B	2	12	TOP
H- F	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
O- K	2	12	SIDE(0.0)
K- H	2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
M- C	1	6	SIDE(15.5)
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	8.0	Edge	
C	TTWWW-m	MT20	5.0	8.0	Edge	3.00
D	TMW+w	MT20	2.0	4.0		
E	TTWWW-m	MT20	5.0	8.0	Edge	3.00
F	TMVW-p	MT20	5.0	8.0	Edge	
H	BMV1+p	MT20	3.0	6.0		
I	BMWW+t	MT20	5.0	8.0	4.25	2.00
J	BMW+w	MT20	2.0	4.0	2.50	1.00
K	BS-t	MT20	5.0	6.0		
L	BMWWW-t	MT20	5.0	8.0		
M	BMW+w	MT20	2.0	4.0	2.50	1.00
N	BMWW+t	MT20	5.0	8.0	4.25	2.00
O	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 VERT	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	5587	0	5587	0	0	5-8	5-8
H	2148	0	2148	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	4395	2792 / 0	807 / 0	0 / 0	0 / 0	797 / 0	0 / 0
H	1690	1074 / 0	310 / 0	0 / 0	0 / 0	306 / 0	0 / 0

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

BRACING

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

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

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 / 47	-104.9	-104.9	0.08 (1)	10.00
B- C	-4583 / 0	-104.9	-104.9	0.29 (1)	4.25
C- D	-3188 / 0	-104.9	-104.9	0.73 (1)	4.31
D- E	-3188 / 0	-104.9	-104.9	0.73 (1)	4.31
E- F	-1649 / 0	-104.9	-104.9	0.19 (1)	6.25
F- G	0 / 47	-104.9	-104.9	0.08 (1)	10.00
O- B	-5190 / 0	0.0	0.0	0.19 (1)	6.41
H- F	-2100 / 0	0.0	0.0	0.08 (1)	7.81
O- P	0 / 0	-28.0	-28.0	0.16 (1)	10.00
P- N	0 / 0	-28.0	-28.0	0.16 (1)	10.00
N- M	0 / 2991	-28.0	-28.0	0.35 (1)	10.00
M- L	0 / 3001	-28.0	-28.0	0.27 (1)	10.00
L- K	0 / 1560	-28.0	-28.0	0.16 (1)	10.00
K- J	0 / 1560	-28.0	-28.0	0.16 (1)	10.00
J- I	0 / 1554	-28.0	-28.0	0.16 (1)	10.00
I- H	0 / 0	-28.0	-28.0	0.02 (2)	10.00

WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- C	0 / 462	0.06 (2)
C- L	0 / 220	0.03 (1)
L- D	-965 / 0	0.16 (1)
L- E	0 / 1919	0.24 (1)
J- E	0 / 344	0.04 (2)
N- C	0 / 1405	0.17 (1)
B- N	0 / 3984	0.49 (1)
E- I	-766 / 0	0.17 (1)
I- F	0 / 1433	0.18 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-1-14	-527	-527	---	FRONT	VERT	TOTAL
N	2-4-8	-3468	-3468	---	FRONT	VERT	TOTAL
P	1-0-12	-337	-337	---	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	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.76")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.73/1.00 (D-E:1) , BC=0.35/1.00 (M-N:1) , WB=0.49/1.00 (B-N:1) , SSI=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 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 (F) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)

[M]

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11006 -17B

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T15	1	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 526.9 lbs FACTORED DOWN AT 4-1-14 ON TOP CHORD, AND 336.6 lbs FACTORED DOWN AT 1-0-12, AND 3468.1 lbs FACTORED DOWN AT 2-4-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM11006-12
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T16	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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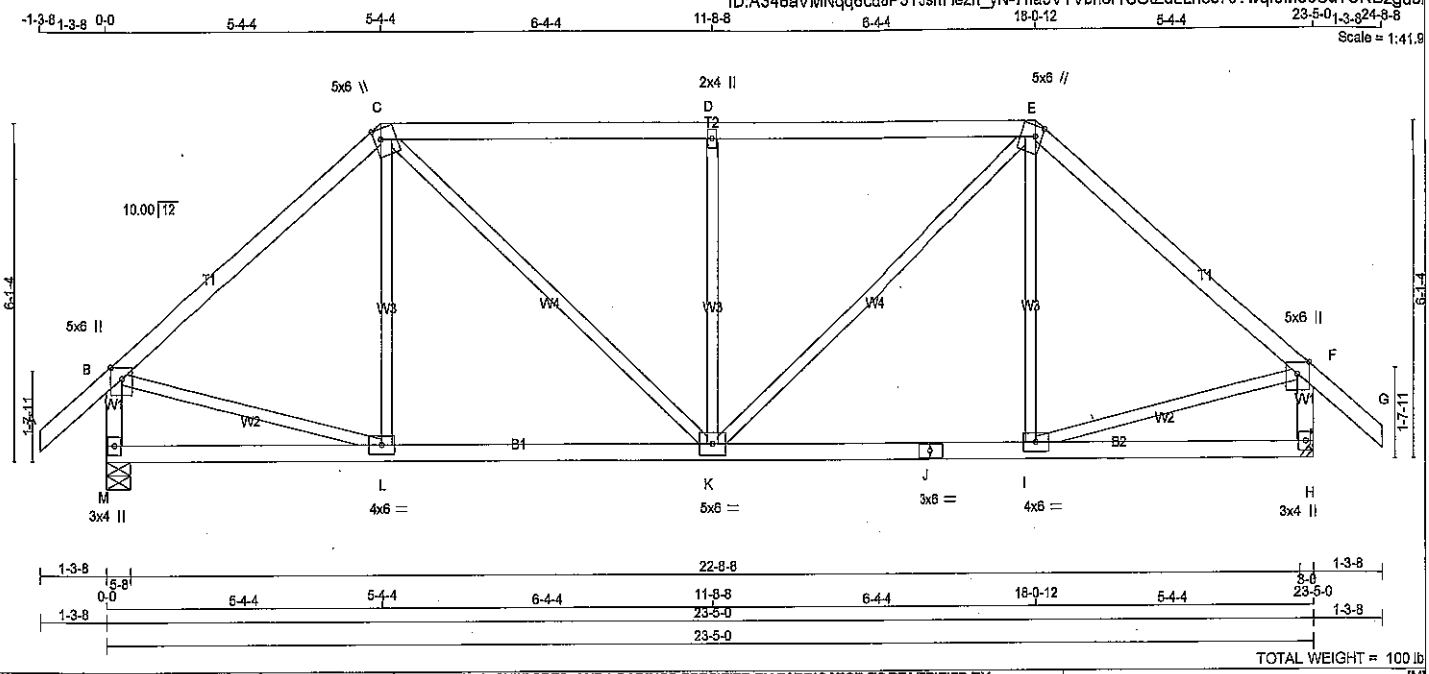

LUMBER

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
M - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1702	0	1702	0	0	5-8	5-8
H	1702	0	1702	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0
H	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO						FR-TO		
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	L- C	-85 / 201	0.05 (1)
B- C	-1474 / 0	-104.9	-104.9	0.64 (1)	4.57	C- K	0 / 731	0.16 (1)
C- D	-1668 / 0	-104.9	-104.9	0.85 (1)	3.81	K- D	-816 / 0	0.48 (1)
D- E	-1668 / 0	-104.9	-104.9	0.85 (1)	3.81	K- E	0 / 731	0.16 (1)
E- F	-1474 / 0	-104.9	-104.9	0.64 (1)	4.57	I- E	-85 / 201	0.05 (1)
F- G	0 / 47	-104.9	-104.9	0.14 (1)	10.00	B- L	0 / 1162	0.26 (1)
M- B	-1643 / 0	0.0	0.0	0.17 (1)	6.46	I- F	0 / 1162	0.26 (1)
H- F	-1643 / 0	0.0	0.0	0.17 (1)	6.46			
M- L	0 / 0	-28.0	-28.0	0.23 (3)	10.00			
L- K	0 / 1129	-28.0	-28.0	0.35 (2)	10.00			
K- J	0 / 1129	-28.0	-28.0	0.35 (2)	10.00			
J- I	0 / 1129	-28.0	-28.0	0.35 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.23 (3)	10.00			

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.85/1.00 (C-D:1) , BC=0.35/1.00 (K-L:2) , WB=0.48/1.00 (D-K:1) , SSI=0.32/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

(S) GRIP= 0.82 (I) (INPUT = 0.90)
(S) METAL= 0.35 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2026 S. KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 11007 -123
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T19	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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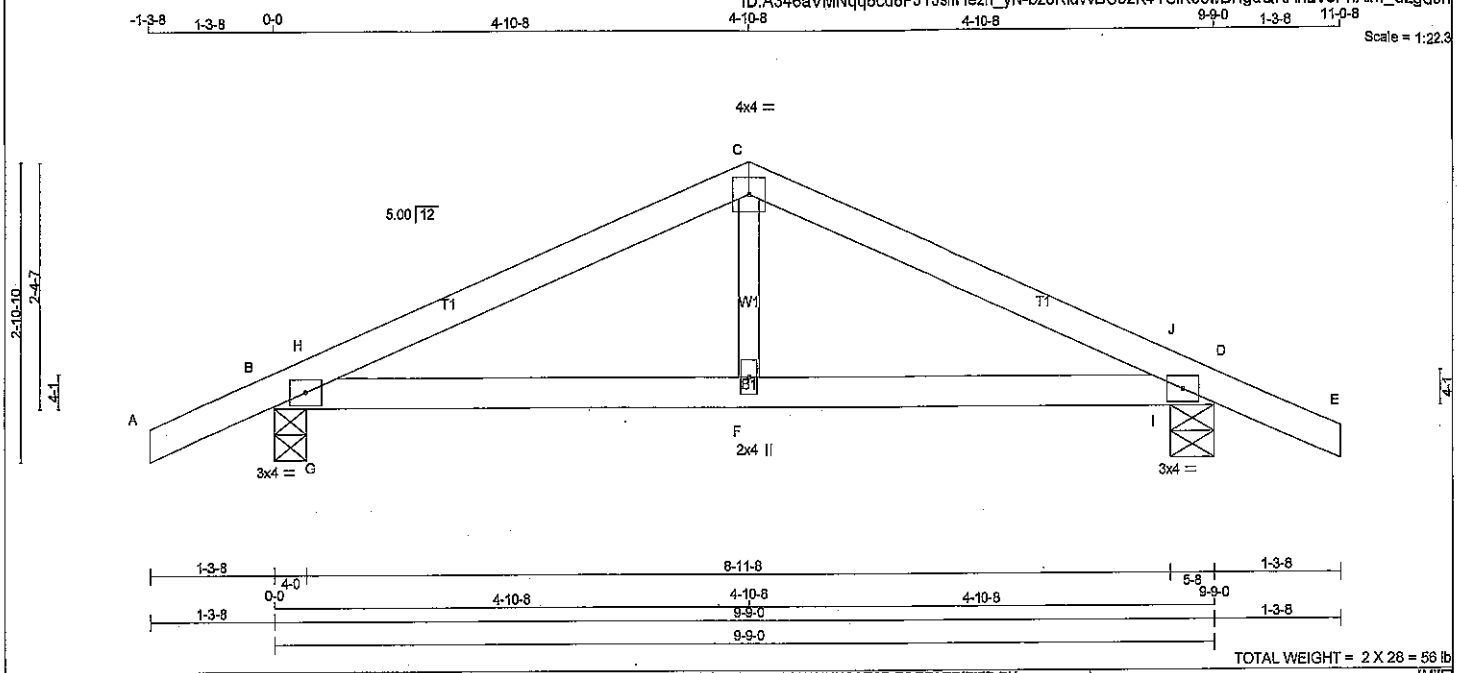

TOTAL WEIGHT = 2 X 28 = 56 lb

[MiTek]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-p	MT20	4.0	4.0		
D	TMB1-I	MT20	3.0	4.0		
F	BMW+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	789	0	789	0	0	4-0	4-0
D	769	0	789	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	612	404 / 0	102 / 0	0 / 0	0 / 0	106 / 0	0 / 0
D	612	404 / 0	102 / 0	0 / 0	0 / 0	106 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.08 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 / 26	-104.9	-104.9	0.13 (1)	10.00
B- H	-868 / 0	-104.9	-104.9	0.08 (1)	6.25
H- C	-916 / 0	-104.9	-104.9	0.29 (1)	6.08
C- J	-916 / 0	-104.9	-104.9	0.29 (1)	6.08
J- D	-868 / 0	-104.9	-104.9	0.08 (1)	6.25
D- E	0 / 26	-104.9	-104.9	0.13 (1)	10.00
B- G	0 / 839	-28.0	-28.0	0.37 (1)	10.00
G- F	0 / 839	-28.0	-28.0	0.37 (1)	10.00
F- I	0 / 839	-28.0	-28.0	0.37 (1)	10.00
I- D	0 / 839	-28.0	-28.0	0.37 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	0 / 307	0.07 (2)
G- H	-364 / 89	0.00 (1)
I- J	-364 / 89	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.32")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.32")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.29/1.00 (C-H:1) , BC=0.37/1.00 (B-G:1) , WB=0.07/1.00 (C-F:2) , SSI=0.28/1.00 (B-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.72 (B) (INPUT = 0.90)
JSI METAL= 0.32 (B) (INPUT = 1.00)

DWG NO. TAM 11008-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T19Z	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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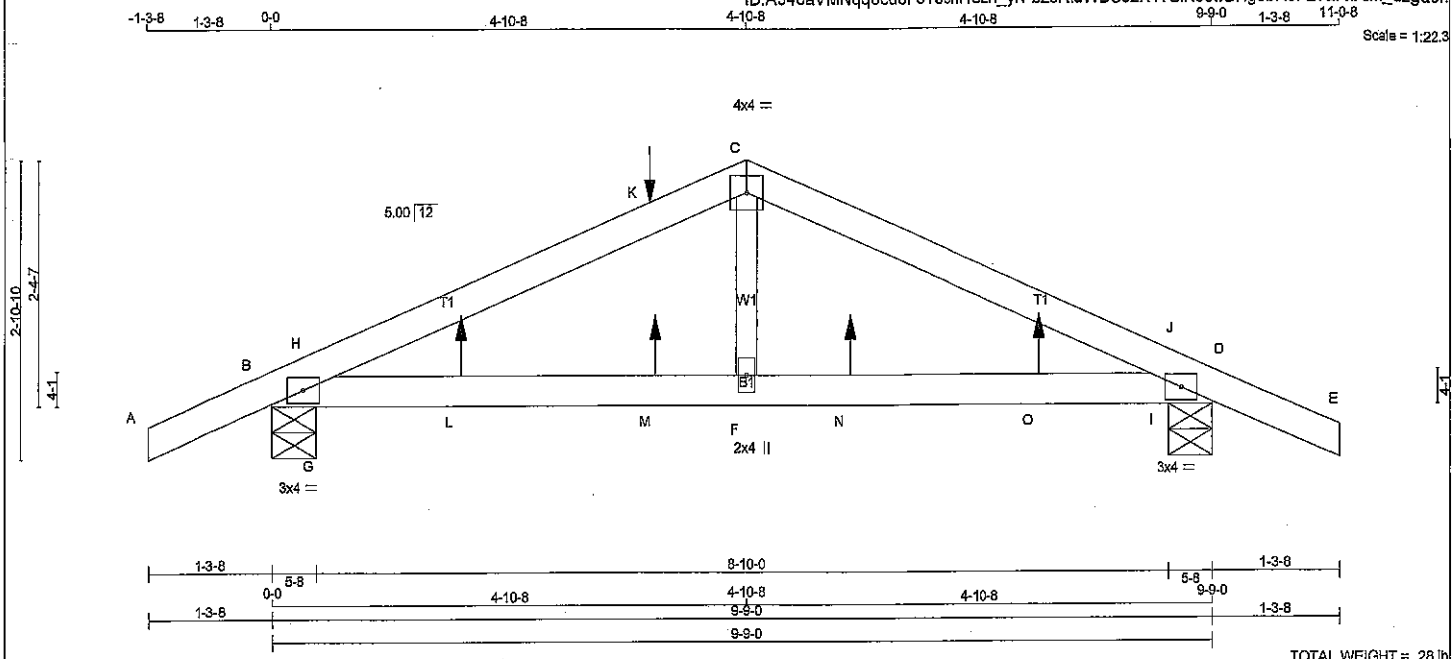

TOTAL WEIGHT = 28 lb

[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
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN Y	X
B	TMB1-I	MT20	3.0	4.0	
C	TTW-p	MT20	4.0	4.0	
D	TMB1-I	MT20	3.0	4.0	
F	BMW+w	MT20	2.0	4.0	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 2.0 lbs FACTORED DOWN AND 127.6 lbs FACTORED UP AT 3-11-4 ON TOP CHORD, AND 1.0 lbs FACTORED DOWN AND 21.5 lbs FACTORED UP AT 1-11-4, 1.0 lbs FACTORED DOWN AND 21.5 lbs FACTORED UP AT 3-11-4, AND 1.0 lbs FACTORED DOWN AND 21.5 lbs FACTORED UP AT 5-11-4, AND 1.0 lbs FACTORED DOWN AND 21.5 lbs FACTORED UP AT 7-11-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	763	0	763	0	0	5-8	5-8
D	762	0	762	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	595	386 / 0	103 / 0	0 / 0	0 / 0	106 / 0	0 / 0
D	595	386 / 0	103 / 0	0 / 0	0 / 0	106 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-104.9	-104.9	0.15 (1)	10.00		F- C	0 / 295	0.07 (2)
B- H	-814 / 0	-104.9	-104.9	0.12 (1)	6.25		G- H	-379 / 89	0.00 (1)
H- K	-868 / 0	-104.9	-104.9	0.35 (1)	6.05		I- J	-389 / 89	0.00 (1)
K- C	-868 / 0	-104.9	-104.9	0.35 (1)	6.05				
C- J	-868 / 0	-104.9	-104.9	0.35 (1)	6.05				
J- D	-814 / 0	-104.9	-104.9	0.12 (1)	6.25				
D- E	0 / 26	-104.9	-104.9	0.15 (1)	10.00				
B- G	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
G- L	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
L- M	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
M- F	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
F- N	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
N- O	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
O- I	0 / 795	-28.0	-28.0	0.41 (1)	10.00				
I- D	0 / 795	-28.0	-28.0	0.41 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC	MAX-	MAX+	FACE	DIR.	TYPE
K	3-11-4	-1	-2	128	BACK	VERT	TOTAL
L	1-11-4	13	1	21	BACK	VERT	TOTAL
M	3-11-4	13	1	21	BACK	VERT	TOTAL
N	5-11-4	13	1	21	BACK	VERT	TOTAL
O	7-11-4	13	1	21	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.32")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.32")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.35/1.00 (C-H:1) , BC=0.41/1.00 (F-G:1) , WB=0.07/1.00 (C-F:2) , SSI=0.32/1.00 (D-E:5)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.70 (B) (INPUT = 0.90)
JSI METAL= 0.31 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2810
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM1009-19
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T20	8	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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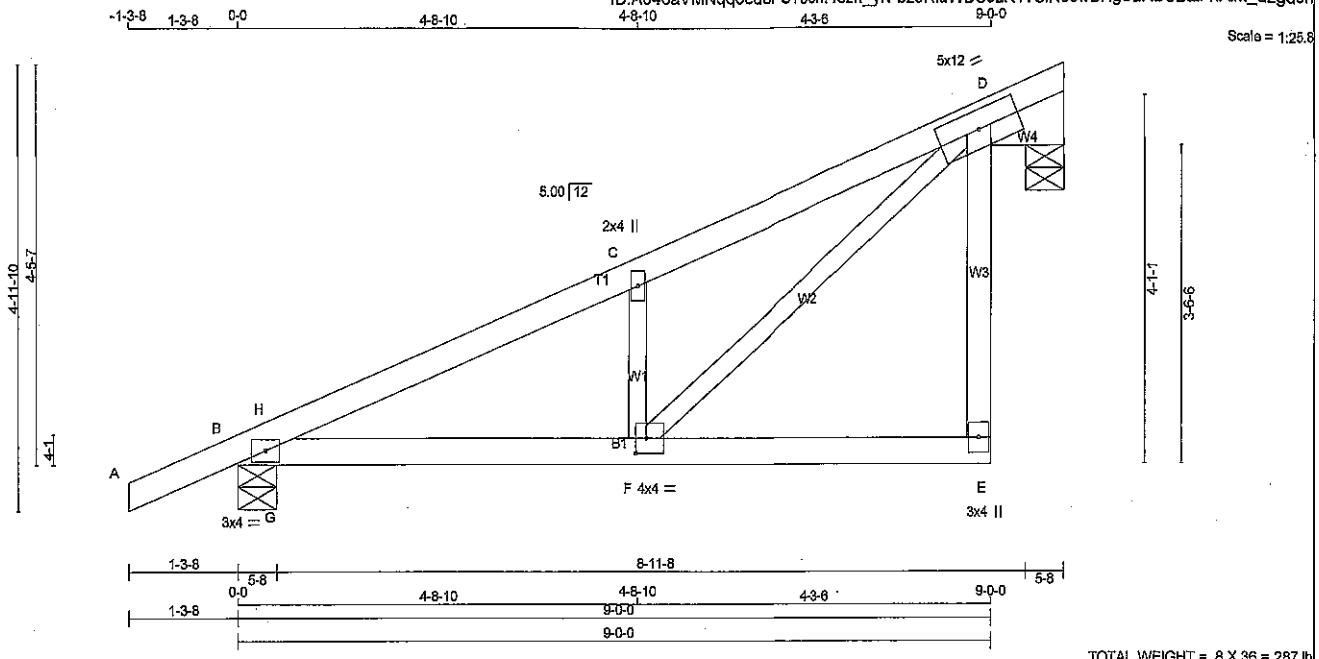

TOTAL WEIGHT = 8 X 36 = 287 lb

[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMW+w	MT20	2.0	4.0		
D	TMVWW1-t	MT20	5.0	12.0		
E	BMV+p	MT20	3.0	4.0		
F	BMWW-t	MT20	4.0	4.0	2.00	1.50

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	598	0	598	0	0	5-8	5-8
B	740	0	740	0	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL.
D	477	292 / 0	95 / 0	0 / 0	0 / 0	90 / 0	0 / 0
B	572	380 / 0	95 / 0	0 / 0	0 / 0	98 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.24 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-104.9	-104.9	0.13 (1)	10.00	F- C	-540 / 0	0.08 (1)
B- H	-905 / 0	-104.9	-104.9	0.04 (3)	6.25	F- D	0 / 1070	0.24 (1)
H- C	-866 / 0	-104.9	-104.9	0.23 (1)	6.25	G- H	-146 / 100	0.00 (1)
C- D	-867 / 0	-104.9	-104.9	0.23 (1)	6.24			
E- D	0 / 81	0.0	0.0	0.01 (3)	10.00			
B- G	0 / 817	-28.0	-28.0	0.25 (1)	10.00			
G- F	0 / 817	-28.0	-28.0	0.26 (1)	10.00			
F- E	0 / 0	-28.0	-28.0	0.14 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.30")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.23/1.00 (C-D:1) , BC=0.26/1.00 (F-G:1) , WB=0.24/1.00 (D-F:1) , SSI=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 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	818	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (F) (INPUT = 0.90)
JSI METAL= 0.31 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11010-17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T21	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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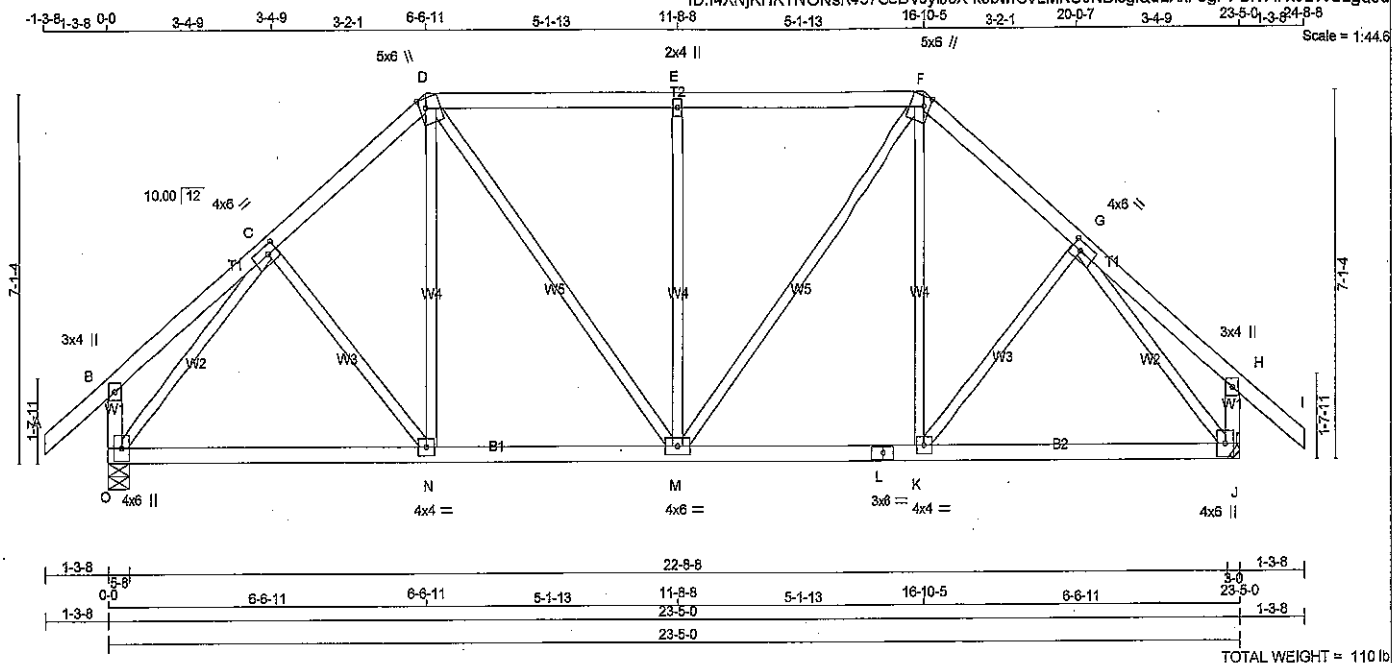


TOTAL WEIGHT = 110 lb

[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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0	2.00	2.25
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMWW-t	MT20	4.0	6.0	2.00	2.25
H	TMV+p	MT20	3.0	4.0		
J	BMVW1+p	MT20	4.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMVW1+p	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	1702	0	1702	0	0	5-8	5-8
J	1702	0	1702	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0
J	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.08 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	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	C-N	0 / 106	0.02 (3)
B-C	0 / 23	-104.9	-104.9	0.17 (1)	10.00	N-D	0 / 280	0.06 (2)
C-D	-1456 / 0	-104.9	-104.9	0.15 (1)	5.28	D-M	0 / 479	0.11 (1)
D-E	-1390 / 0	-104.9	-104.9	0.38 (1)	5.08	M-E	-658 / 0	0.58 (1)
E-F	-1390 / 0	-104.9	-104.9	0.38 (1)	5.08	M-F	0 / 479	0.11 (1)
F-G	-1456 / 0	-104.9	-104.9	0.15 (1)	5.28	K-F	0 / 280	0.06 (2)
G-H	0 / 23	-104.9	-104.9	0.17 (1)	10.00	K-G	0 / 106	0.02 (3)
H-I	0 / 47	-104.9	-104.9	0.14 (1)	10.00	O-C	-1732 / 0	0.75 (1)
O-B	-281 / 0	0.0	0.0	0.03 (1)	7.81	G-J	-1732 / 0	0.75 (1)
J-H	-281 / 0	0.0	0.0	0.03 (1)	7.81			
O-N	0 / 1093	-28.0	-28.0	0.39 (2)	10.00			
N-M	0 / 1100	-28.0	-28.0	0.40 (2)	10.00			
M-L	0 / 1100	-28.0	-28.0	0.40 (2)	10.00			
L-K	0 / 1100	-28.0	-28.0	0.40 (2)	10.00			
K-J	0 / 1093	-28.0	-28.0	0.39 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.76")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.38/1.00 (D-E:1) , BC=0.40/1.00 (K-M:2) , WB=0.75/1.00 (C-O:1) , SSI=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

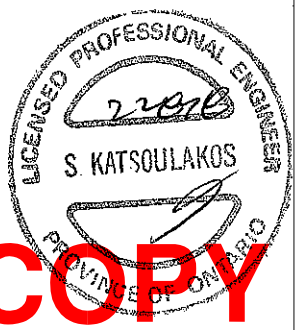
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (G) (INPUT = 0.90)
JSI METAL= 0.42 (G) (INPUT = 1.00)



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DWG NO. TAM1016-13
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T22	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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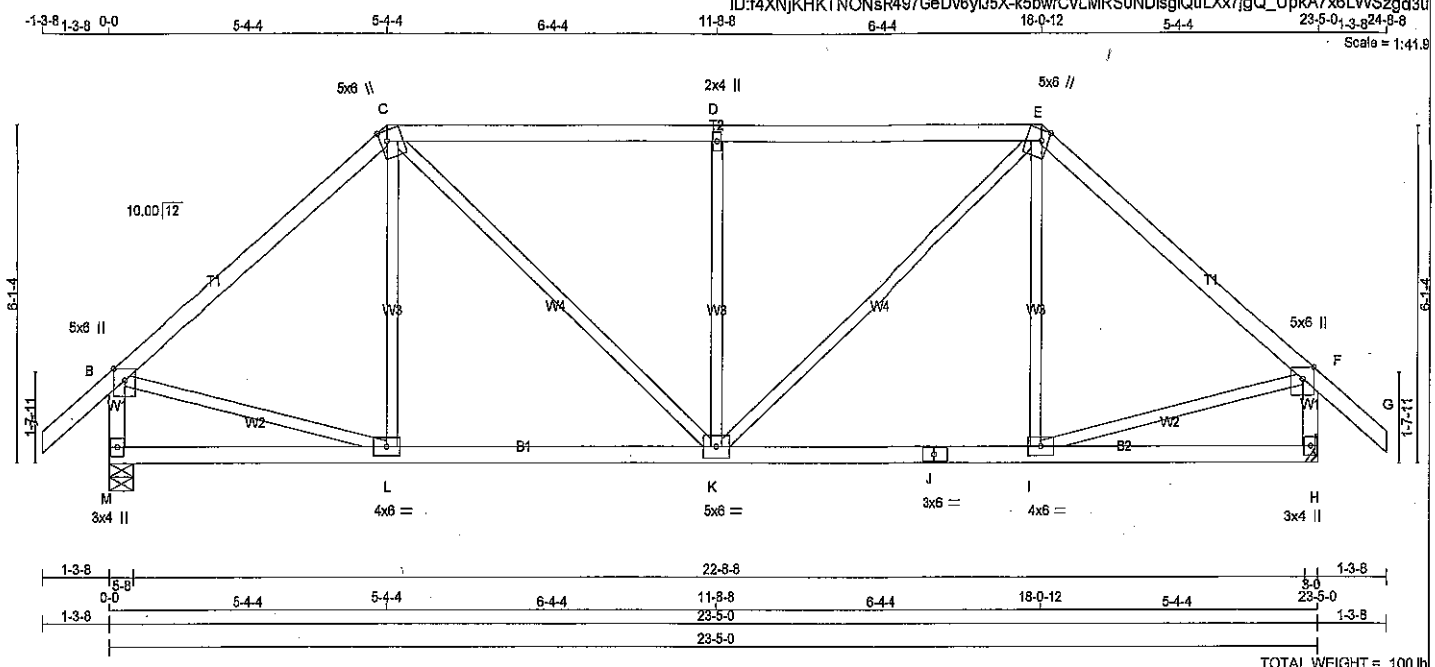

TOTAL WEIGHT = 100 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	1702	0	1702	0	0	IN-SX	IN-SX
H	1702	0	1702	0	0	5-8	5-8
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0
H	1339	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
B- C	-1474 / 0	-104.9	-104.9	0.64 (1)	4.57	
C- D	-1668 / 0	-104.9	-104.9	0.85 (1)	3.81	
D- E	-1668 / 0	-104.9	-104.9	0.85 (1)	3.81	
E- F	-1474 / 0	-104.9	-104.9	0.64 (1)	4.57	
F- G	0 / 47	-104.9	-104.9	0.14 (1)	10.00	
M- B	-1643 / 0	0.0	0.0	0.17 (1)	6.46	
H- F	-1643 / 0	0.0	0.0	0.17 (1)	6.46	
M- L	0 / 0	-28.0	-28.0	0.23 (3)	10.00	
L- K	0 / 1129	-28.0	-28.0	0.35 (2)	10.00	
K- J	0 / 1129	-28.0	-28.0	0.35 (2)	10.00	
J- I	0 / 1129	-28.0	-28.0	0.35 (2)	10.00	
I- H	0 / 0	-28.0	-28.0	0.23 (3)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	-65 / 201	0.05 (1)
C- K	0 / 731	0.16 (1)
K- D	-816 / 0	0.48 (1)
K- E	0 / 731	0.16 (1)
I- E	-65 / 201	0.05 (1)
B- L	0 / 1162	0.26 (1)
I- F	0 / 1162	0.26 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.76")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.85/1.00 (C-D:1) , BC=0.35/1.00 (I-K:2) , WB=0.48/1.00 (D-K:1) , SSI=0.32/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (I) (INPUT = 0.90)
JSI METAL= 0.35 (J) (INPUT = 1.00)

DWG NO. TAM 11019-17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T23	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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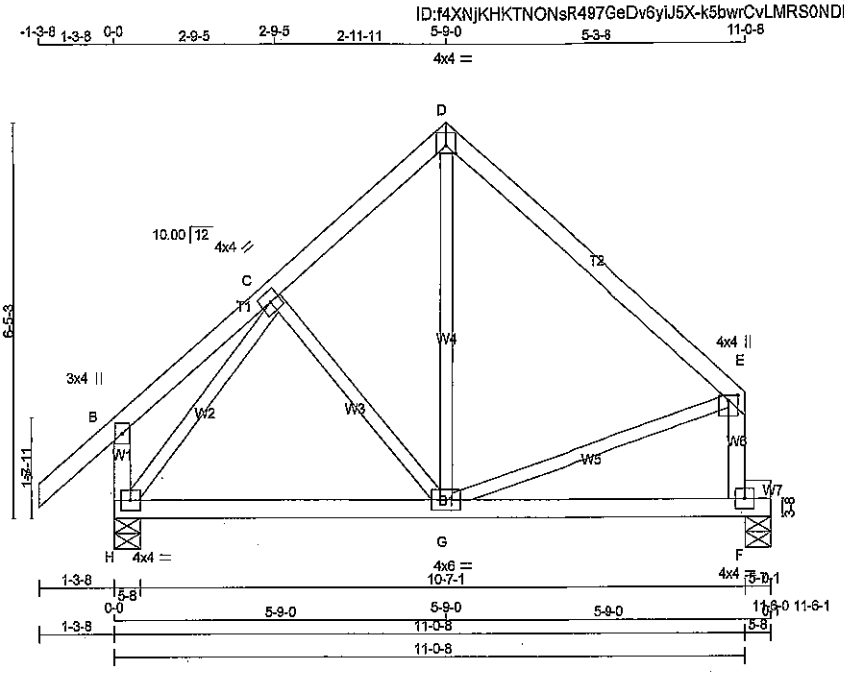


TOTAL WEIGHT = 4 X 51 = 206 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTW-p	MT20	4.0	4.0	1.50	2.00
E	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMVW1-t	MT20	4.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	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
F	734	0	734	0	0	5-8 (5-7)	5-8
H	879	0	879	0	0	5-8	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	585	359 / 0	116 / 0	0 / 0	0 / 0	110 / 0	0 / 0
H	683	449 / 0	116 / 0	0 / 0	0 / 0	119 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	0 / 24	-104.9	-104.9	0.14 (1)	10.00
C- D	-474 / 0	-104.9	-104.9	0.11 (1)	6.25
D- E	-453 / 0	-104.9	-104.9	0.38 (1)	6.25
H- B	-246 / 0	0.0	0.0	0.03 (1)	7.81
F- E	-679 / 0	0.0	0.0	0.08 (1)	7.81
H- G	0 / 429	-28.0	-28.0	0.29 (2)	10.00
G- F	0 / 0	-28.0	-28.0	0.25 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- D	0 / 263	0.06 (2)
G- E	0 / 365	0.08 (1)
C- G	-123 / 37	0.04 (1)
H- C	-713 / 0	0.22 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.38/1.00 (D-E:1) , BC=0.29/1.00 (G-H:2) , WB=0.22/1.00 (C-H:1) , SSI=0.17/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

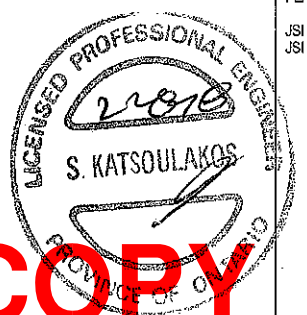
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (D) (INPUT = 0.90)
JSI METAL= 0.26 (C) (INPUT = 1.00)



DWG NO. TAM 11020-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	G23	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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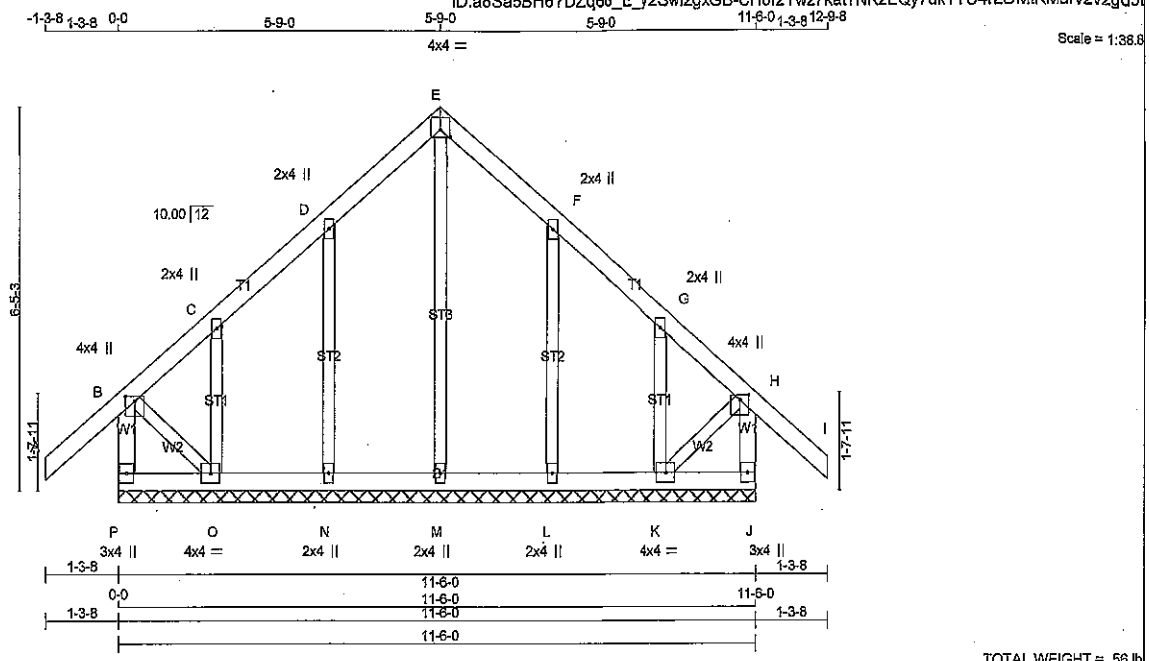


TOTAL WEIGHT = 56 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
P- B	-318 / 0	0.0	0.0	0.03 (1)	7.81
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-60 / 0	-104.9	-104.9	0.14 (1)	6.25
C- D	-8 / 0	-104.9	-104.9	0.07 (1)	10.00
D- E	-29 / 0	-104.9	-104.9	0.07 (1)	6.25
E- F	-29 / 0	-104.9	-104.9	0.07 (1)	6.25
F- G	-8 / 0	-104.9	-104.9	0.07 (1)	10.00
G- H	-60 / 0	-104.9	-104.9	0.14 (1)	6.25
H- I	0 / 47	-104.9	-104.9	0.14 (1)	10.00
J- H	-318 / 0	0.0	0.0	0.03 (1)	7.81
P- O	0 / 0	-28.0	-28.0	0.02 (2)	10.00
O- N	0 / 16	-28.0	-28.0	0.02 (2)	10.00
N- M	0 / 10	-28.0	-28.0	0.02 (2)	10.00
M- L	0 / 10	-28.0	-28.0	0.02 (2)	10.00
L- K	0 / 16	-28.0	-28.0	0.02 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.02 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	-155 / 0	0.10 (1)
N- D	-253 / 0	0.06 (1)
O- C	-115 / 0	0.02 (1)
L- F	-253 / 0	0.06 (1)
K- G	-115 / 0	0.02 (1)
B- O	0 / 25	0.01 (1)
K- H	0 / 25	0.01 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

CSI: TC=0.14/1.00 (A-B:1) , BC=0.02/1.00 (K-L:2) , WB=0.10/1.00 (E-M:1) , SSI=0.09/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

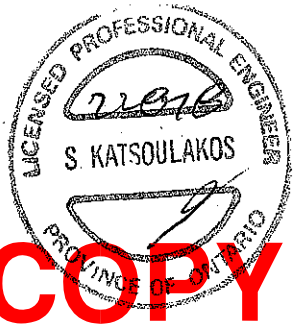
NAIL VALUES

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= 0.26 (E) (INPUT = 0.90)
JSI METAL= 0.07 (D) (INPUT = 1.00)



DWG NO. TAM 1/02/18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T24	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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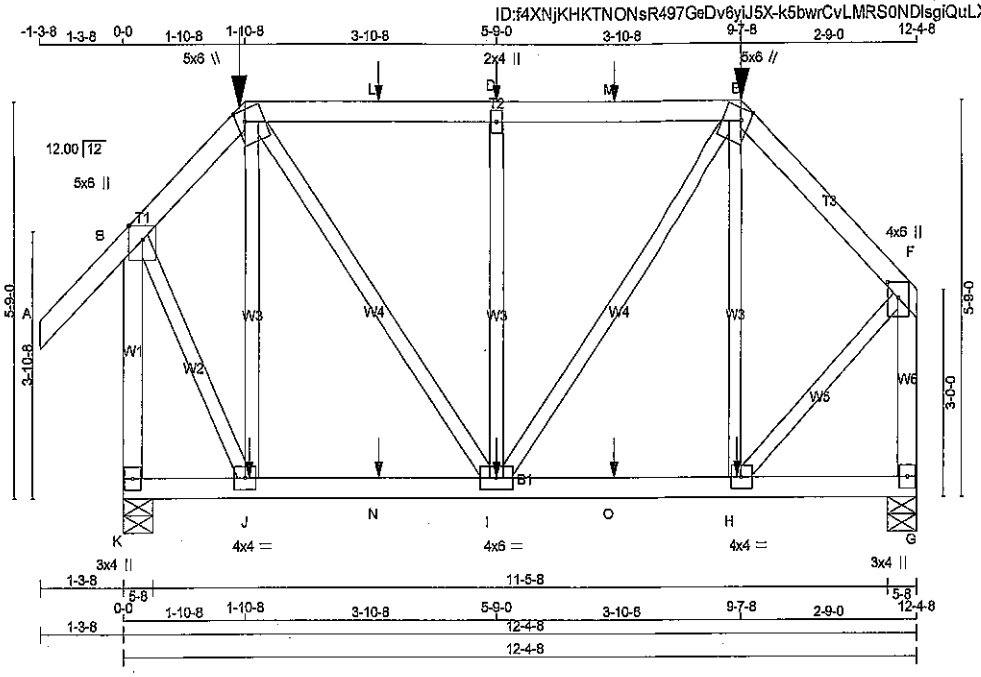


TOTAL WEIGHT = 69 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.00	1.50
F	TMVW+p	MT20	4.0	6.0	2.75	2.00
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 80.0 lbs FACTORED DOWN AT 1-10-8, 1.0 lbs FACTORED DOWN AND 148.0 lbs FACTORED UP AT 3-11-4, 1.0 lbs FACTORED DOWN AND 148.0 lbs FACTORED UP AT 5-9-0, AND 1.0 lbs FACTORED DOWN AND 148.0 lbs FACTORED UP AT 7-6-12, AND 80.0 lbs FACTORED DOWN AT 9-7-8 ON TOP CHORD, AND 1.0 lbs FACTORED DOWN AT 1-11-4, 1.0 lbs FACTORED DOWN AT 3-11-4, 1.0 lbs FACTORED DOWN AT 5-9-0, AND 1.0 lbs FACTORED DOWN AT 7-6-12, AND 1.0 lbs FACTORED DOWN AT 9-6-12 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
K	1063	0	1063	0	0	5-8	5-8
G	889	0	889	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	818	551 / 0	130 / 0	0 / 0	0 / 0	137 / 0	0 / 0
G	700	443 / 0	130 / 0	0 / 0	0 / 0	126 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, 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: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-104.9	-104.9	0.16 (1)	10.00
B- C	-421 / 0	-104.9	-104.9	0.16 (1)	6.25
C- L	-525 / 0	-104.9	-104.9	0.26 (1)	6.25
L- D	-525 / 0	-104.9	-104.9	0.28 (1)	6.25
D- M	-525 / 0	-104.9	-104.9	0.28 (1)	6.25
M- E	-525 / 0	-104.9	-104.9	0.28 (1)	6.25
E- F	-525 / 0	-104.9	-104.9	0.15 (1)	6.25
K- B	-1049 / 0	0.0	0.0	0.26 (1)	7.64
G- F	-860 / 0	0.0	0.0	0.15 (1)	7.81
K- J	0 / 0	-28.0	-28.0	0.07 (7)	10.00
J- N	0 / 261	-28.0	-28.0	0.12 (7)	10.00
N- I	0 / 261	-28.0	-28.0	0.12 (7)	10.00
I- O	0 / 365	-28.0	-28.0	0.13 (7)	10.00
O- H	0 / 365	-28.0	-28.0	0.13 (7)	10.00
H- G	0 / 0	-28.0	-28.0	0.09 (7)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- C	-382 / 0	0.20 (1)
C- I	0 / 455	0.11 (1)
I- D	-493 / 0	0.26 (1)
I- E	0 / 276	0.07 (1)
H- E	-236 / 38	0.12 (1)
B- J	0 / 547	0.14 (1)
H- F	0 / 503	0.12 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	1-10-8	-80	-80	—	FRONT	VERT	TOTAL
D	5-9-0	1	1	148	FRONT	VERT	TOTAL
E	9-7-8	-80	-80	—	FRONT	VERT	TOTAL
H	9-6-12	1	1	—	FRONT	VERT	TOTAL
I	5-9-0	1	1	—	FRONT	VERT	TOTAL
J	1-11-4	1	1	—	FRONT	VERT	TOTAL
L	3-11-4	1	1	148	FRONT	VERT	TOTAL
M	7-6-12	1	1	148	FRONT	VERT	TOTAL
N	3-11-4	1	1	—	FRONT	VERT	TOTAL
O	7-6-12	1	1	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.41")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.02")

CSI: TC=0.26/1.00 (C-D:1) , BC=0.13/1.00 (H-I:7) , WB=0.26/1.00 (D-I:1) , SSI=0.22/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

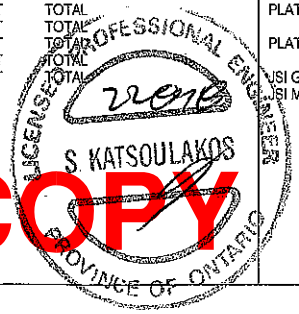
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

MSI GRIP= 0.66 (J) (INPUT = 0.90)
MSI METAL= 0.14 (J) (INPUT = 1.00)



DWG NO. TAM 11022-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T25	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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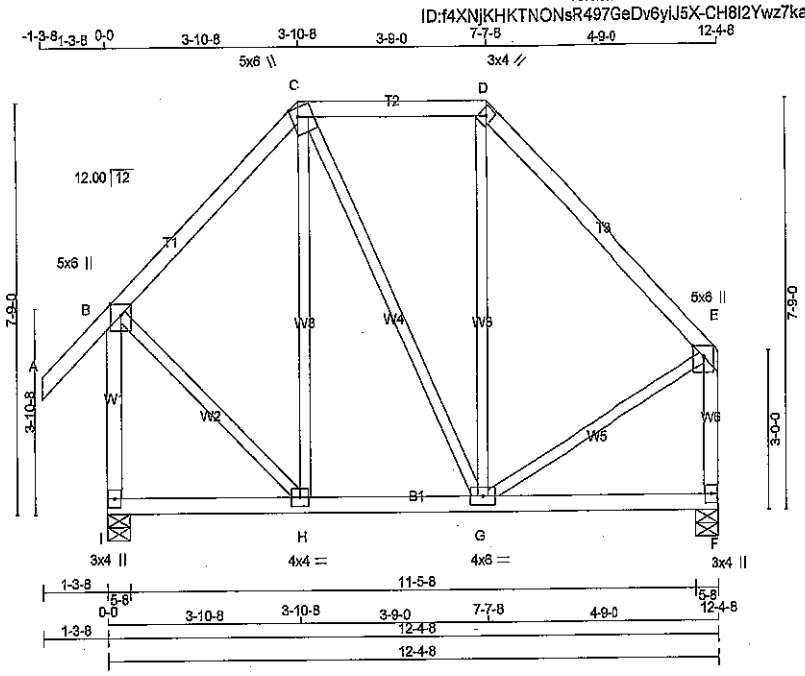

TOTAL WEIGHT = 3 X 68 = 205 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TTW+h	MT20	3.0	4.0		
E	TMVW+p	MT20	5.0	6.0	Edge	
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMWW-t	MT20	4.0	4.0		
I	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	969	0	969	0	0	5-8	5-8
F	823	0	823	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	755	492 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0
F	656	402 / 0	130 / 0	0 / 0	0 / 0	124 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-104.9	-104.9	0.15 (1)	10.00
B- C	-429 / 0	-104.9	-104.9	0.20 (1)	6.25
C- D	-331 / 0	-104.9	-104.9	0.19 (1)	6.25
D- E	-472 / 0	-104.9	-104.9	0.31 (1)	6.25
I- B	-922 / 0	0.0	0.0	0.23 (1)	7.81
F- E	-766 / 0	0.0	0.0	0.13 (1)	7.81
I- H	0 / 0	-28.0	-28.0	0.09 (2)	10.00
H- G	0 / 300	-28.0	-28.0	0.17 (2)	10.00
G- F	0 / 0	-28.0	-28.0	0.14 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-159 / 70	0.18 (1)
C- G	0 / 71	0.02 (1)
G- D	-111 / 120	0.12 (1)
B- H	0 / 404	0.09 (1)
G- E	0 / 379	0.09 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.41")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.31/1.00 (D-E:1) , BC=0.17/1.00 (G-H:2) , WB=0.18/1.00 (C-H:1) , SSI=0.15/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 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.

USI GRIP= 0.85 (D) (INPUT = 0.90)
USI METAL= 0.12 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11023-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T26	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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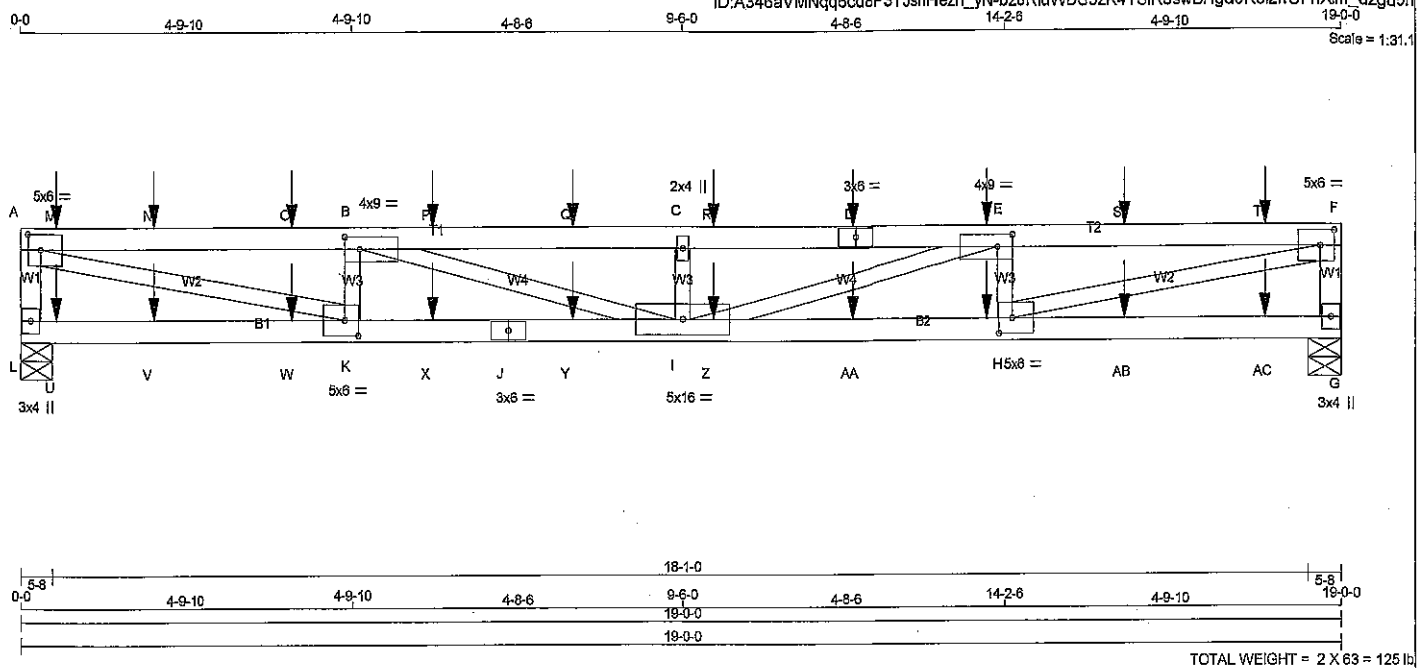

TOTAL WEIGHT = 2 X 63 = 125 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
L- A	1	5	SIDE(23.4)
A- D	1	12	SIDE(61.0)
D- F	1	12	SIDE(61.0)
F- G	1	5	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
L- J	1	12	SIDE(61.0)
J- G	1	12	SIDE(61.0)
WEBS : (0.122"X3") SPIRAL NAILS			
E- H	1	5	SIDE(15.1)
2x3	1	6	
B- K	1	5	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-t	MT20	5.0	6.0	2.50	2.25
B	TMWW-t	MT20	4.0	9.0	2.00	2.50
C	TMW+w	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMWW-t	MT20	4.0	9.0	2.00	2.50
F	TMWW-t	MT20	5.0	6.0	2.50	2.25
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	5.0	6.0	2.50	2.25
I	BMWWW-t	MT20	5.0	16.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	5.0	6.0	2.50	2.25
L	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1599	0	1599	0	0	5-8	5-8
G	1540	0	1540	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1275	781 / 0	253 / 0	0 / 0	0 / 0	241 / 0	0 / 0
G	1227	752 / 0	243 / 0	0 / 0	0 / 0	232 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH
L- A	-1475 / 0	0.0	0.0	0.08 (1)	7.81
A- M	-4627 / 0	-104.9	-104.9	0.31 (1)	4.19
M- N	-4627 / 0	-104.9	-104.9	0.31 (1)	4.19
N- O	-4627 / 0	-104.9	-104.9	0.31 (1)	4.19
O- B	-4627 / 0	-104.9	-104.9	0.31 (1)	4.19
B- P	-5948 / 0	-104.9	-104.9	0.31 (1)	3.77
P- Q	-5948 / 0	-104.9	-104.9	0.31 (1)	3.77
Q- C	-5948 / 0	-104.9	-104.9	0.31 (1)	3.77
C- R	-5948 / 0	-104.9	-104.9	0.31 (1)	3.78
R- D	-5948 / 0	-104.9	-104.9	0.31 (1)	3.78
D- E	-5948 / 0	-104.9	-104.9	0.31 (1)	3.78
E- S	-4609 / 0	-104.9	-104.9	0.30 (1)	4.21
S- T	-4609 / 0	-104.9	-104.9	0.30 (1)	4.21
T- F	-4609 / 0	-104.9	-104.9	0.30 (1)	4.21
G- F	-1436 / 0	0.0	0.0	0.08 (1)	7.81
L- U	0 / 0	-28.0	-28.0	0.11 (2)	10.00
U- V	0 / 0	-28.0	-28.0	0.11 (2)	10.00
V- W	0 / 0	-28.0	-28.0	0.11 (2)	10.00
W- K	0 / 0	-28.0	-28.0	0.11 (2)	10.00
K- X	0 / 4627	-28.0	-28.0	0.50 (1)	10.00
X- J	0 / 4627	-28.0	-28.0	0.50 (1)	10.00
J- Y	0 / 4627	-28.0	-28.0	0.50 (1)	10.00
Y- I	0 / 4627	-28.0	-28.0	0.50 (1)	10.00
I- Z	0 / 4609	-28.0	-28.0	0.51 (1)	10.00
Z-AA	0 / 4609	-28.0	-28.0	0.51 (1)	10.00
AA- H	0 / 4609	-28.0	-28.0	0.51 (1)	10.00
H-AB	0 / 0	-28.0	-28.0	0.10 (2)	10.00
AB-AC	0 / 0	-28.0	-28.0	0.10 (2)	10.00
AC- G	0 / 0	-28.0	-28.0	0.10 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	CSI (LC)
A- K	0 / 4779	0.59 (1)
K- B	-975 / 0	0.08 (1)
B- I	0 / 1367	0.17 (1)
I- C	-511 / 0	0.04 (1)
I- E	0 / 1385	0.17 (1)
H- E	-974 / 0	0.08 (1)
H- F	0 / 4761	0.59 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	11-11-4	-26	-26	---	BACK	VERT	TOTAL
E	13-11-4	-26	-26	---	BACK	VERT	TOTAL
H	13-11-4	-32	-32	---	BACK	VERT	TOTAL
M	6-4	-51	-51	---	BACK	VERT	TOTAL
N	1-11-4	-26	-26	---	BACK	VERT	TOTAL
O	3-11-4	-26	-26	---	BACK	VERT	TOTAL
P	5-11-4	-26	-26	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/ 872 (0.26")
ALLOWABLE DEFL.(TL)= L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/ 562 (0.41")

CSI: TC=0.31/1.00 (B-C:1) , BC=0.51/1.00 (H-I:1) , WB=0.59/1.00 (A-K:1) , SSI=0.14/1.00 (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

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	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (K) (INPUT = 0.90)
JSI METAL= 0.72 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2016
S. KATSOULAKOS
PROVINCE OF ONTARIO

P6 16

DWG NO. TAM 11011 -17
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T26	1	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 50.8 lbs FACTORED DOWN AT 6-4, 25.7 lbs FACTORED DOWN AT 1-11-4, 25.7 lbs FACTORED DOWN AT 3-11-4, 25.7 lbs FACTORED DOWN AT 5-11-4, 25.7 lbs FACTORED DOWN AT 7-11-4, 25.7 lbs FACTORED DOWN AT 9-11-4, 25.7 lbs FACTORED DOWN AT 11-11-4, 25.7 lbs FACTORED DOWN AT 13-11-4, AND 25.7 lbs FACTORED DOWN AT 15-11-4, AND 25.7 lbs FACTORED DOWN AT 17-11-4 ON TOP CHORD, AND 39.2 lbs FACTORED DOWN AT 6-4, 32.5 lbs FACTORED DOWN AT 1-11-4, 32.5 lbs FACTORED DOWN AT 3-11-4, 32.5 lbs FACTORED DOWN AT 5-11-4, 32.5 lbs FACTORED DOWN AT 7-11-4, 32.5 lbs FACTORED DOWN AT 9-11-4, 32.5 lbs FACTORED DOWN AT 11-11-4, 32.5 lbs FACTORED DOWN AT 13-11-4, AND 32.5 lbs FACTORED DOWN AT 15-11-4, AND 32.5 lbs FACTORED DOWN AT 17-11-4 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
Q	7-11-4	-26	-26	—	BACK	VERT	TOTAL
R	9-11-4	-26	-26	—	BACK	VERT	TOTAL
S	15-11-4	-26	-26	—	BACK	VERT	TOTAL
T	17-11-4	-26	-26	—	BACK	VERT	TOTAL
U	6-4	-39	-39	—	BACK	VERT	TOTAL
V	1-11-4	-32	-32	—	BACK	VERT	TOTAL
W	3-11-4	-32	-32	—	BACK	VERT	TOTAL
X	5-11-4	-32	-32	—	BACK	VERT	TOTAL
Y	7-11-4	-32	-32	—	BACK	VERT	TOTAL
Z	9-11-4	-32	-32	—	BACK	VERT	TOTAL
AA	11-11-4	-32	-32	—	BACK	VERT	TOTAL
AB	15-11-4	-32	-32	—	BACK	VERT	TOTAL
AC	17-11-4	-32	-32	—	BACK	VERT	TOTAL

SITE COPY

DWG NO. TAM 11011 -T26
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T27	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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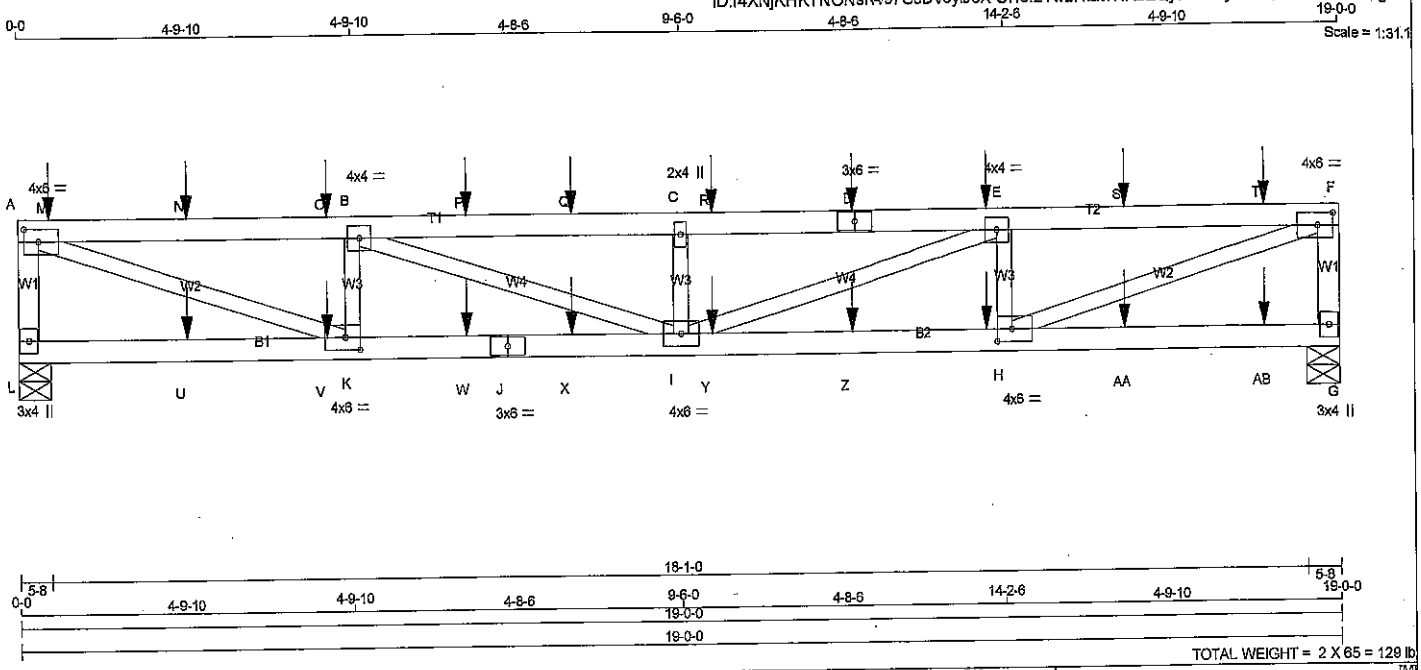

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
L- A	1	12	TOP
A- D	1	12	SIDE(61.0)
D- F	1	12	SIDE(61.0)
F- G	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
L- J	1	12	SIDE(0.0)
J- G	1	12	SIDE(61.0)
WEBS : (0.122"X3") SPIRAL NAILS			
E- H	1	6	SIDE(3.4)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

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

HANGERS NOTES
1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1357	0	1357	0	0	5-8	5-8
G	1329	0	1329	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1082	662 / 0	216 / 0	0 / 0	0 / 0	205 / 0	0 / 0
G	1065	642 / 0	218 / 0	0 / 0	0 / 0	205 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.54 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- A	-1291 / 0	0.0	0.0	0.08 (1)	7.81	A- K	0 / 3269	0.40 (1)
A- M	-3097 / 0	-104.9	-104.9	0.22 (1)	5.04	K- B	-891 / 0	0.07 (1)
M- N	-3097 / 0	-104.9	-104.9	0.22 (1)	5.04	B- I	0 / 931	0.12 (1)
N- O	-3097 / 0	-104.9	-104.9	0.22 (1)	5.04	I- C	-474 / 0	0.04 (1)
O- B	-3097 / 0	-104.9	-104.9	0.22 (1)	5.04	I- E	0 / 938	0.12 (1)
B- P	-3977 / 0	-104.9	-104.9	0.24 (1)	4.54	H- E	-888 / 0	0.07 (1)
P- Q	-3977 / 0	-104.9	-104.9	0.24 (1)	4.54	H- F	0 / 3261	0.40 (1)
Q- C	-3977 / 0	-104.9	-104.9	0.24 (1)	4.54			
C- R	-3977 / 0	-104.9	-104.9	0.24 (1)	4.55			
R- D	-3977 / 0	-104.9	-104.9	0.24 (1)	4.55			
D- E	-3977 / 0	-104.9	-104.9	0.24 (1)	4.55			
E- S	-3090 / 0	-104.9	-104.9	0.21 (1)	5.05			
S- T	-3090 / 0	-104.9	-104.9	0.21 (1)	5.05			
T- F	-3090 / 0	-104.9	-104.9	0.21 (1)	5.05			
G- F	-1260 / 0	0.0	0.0	0.07 (1)	7.81			
L- U	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
U- V	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
V- K	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
K- W	0 / 3097	-28.0	-28.0	0.33 (1)	10.00			
W- J	0 / 3097	-28.0	-28.0	0.33 (1)	10.00			
J- X	0 / 3097	-28.0	-28.0	0.33 (1)	10.00			
X- I	0 / 3097	-28.0	-28.0	0.33 (1)	10.00			
I- Y	0 / 3090	-28.0	-28.0	0.33 (1)	10.00			
Y- Z	0 / 3090	-28.0	-28.0	0.33 (1)	10.00			
Z- H	0 / 3090	-28.0	-28.0	0.33 (1)	10.00			
H-AA	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
AA-AB	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
AB- G	0 / 0	-28.0	-28.0	0.08 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	11-11-4	-8	-8	---	BACK	VERT	TOTAL
E	13-11-4	-8	-8	---	BACK	VERT	TOTAL
H	13-11-4	-8	-8	---	BACK	VERT	TOTAL
M	2-5-4	-38	-38	---	BACK	VERT	TOTAL
N	2-5-4	-8	-8	---	BACK	VERT	TOTAL
O	4-5-4	-8	-8	---	BACK	VERT	TOTAL
P	6-5-4	-8	-8	---	BACK	VERT	TOTAL
Q	7-11-4	-8	-8	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.24/1.00 (B-C:1) , BC=0.33/1.00 (I-K:1) , WB=0.40/1.00 (A-K:1) , SSI=0.13/1.00 (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

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (I) (INPUT = 0.90)
JSI METAL= 0.47 (J) (INPUT = 1.00)

DWG NO. TAM 11024 -18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287482	T27	1	2	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 37.8 lbs FACTORED DOWN AT 5-4, 8.3 lbs FACTORED DOWN AT 2-5-4, 8.3 lbs FACTORED DOWN AT 4-5-4, 8.3 lbs FACTORED DOWN AT 6-5-4, 8.3 lbs FACTORED DOWN AT 7-11-4, 8.3 lbs FACTORED DOWN AT 9-11-4, 8.3 lbs FACTORED DOWN AT 11-11-4, 8.3 lbs FACTORED DOWN AT 13-11-4, AND 8.3 lbs FACTORED DOWN AT 15-11-4, AND 8.3 lbs FACTORED DOWN AT 17-11-4 ON TOP CHORD, AND 9.1 lbs FACTORED DOWN AT 2-5-4, 9.1 lbs FACTORED DOWN AT 4-5-4, 9.1 lbs FACTORED DOWN AT 6-5-4, 9.1 lbs FACTORED DOWN AT 7-11-4, 9.1 lbs FACTORED DOWN AT 9-11-4, 9.1 lbs FACTORED DOWN AT 11-11-4, 9.1 lbs FACTORED DOWN AT 13-11-4, AND 9.1 lbs FACTORED DOWN AT 15-11-4, AND 9.1 lbs FACTORED DOWN AT 17-11-4 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
R	9-11-4	-8	-8	—	BACK	VERT	TOTAL
S	15-11-4	-8	-8	—	BACK	VERT	TOTAL
T	17-11-4	-8	-8	—	BACK	VERT	TOTAL
U	2-5-4	-5	-9	—	BACK	VERT	TOTAL
V	4-5-4	-5	-9	—	BACK	VERT	TOTAL
W	6-5-4	-5	-9	—	BACK	VERT	TOTAL
X	7-11-4	-5	-9	—	BACK	VERT	TOTAL
Y	9-11-4	-5	-9	—	BACK	VERT	TOTAL
Z	11-11-4	-5	-9	—	BACK	VERT	TOTAL
AA	15-11-4	-5	-9	—	BACK	VERT	TOTAL
AB	17-11-4	-5	-9	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
2186
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11024-12
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
295250	T30	1	1	TRUSS DESC.	

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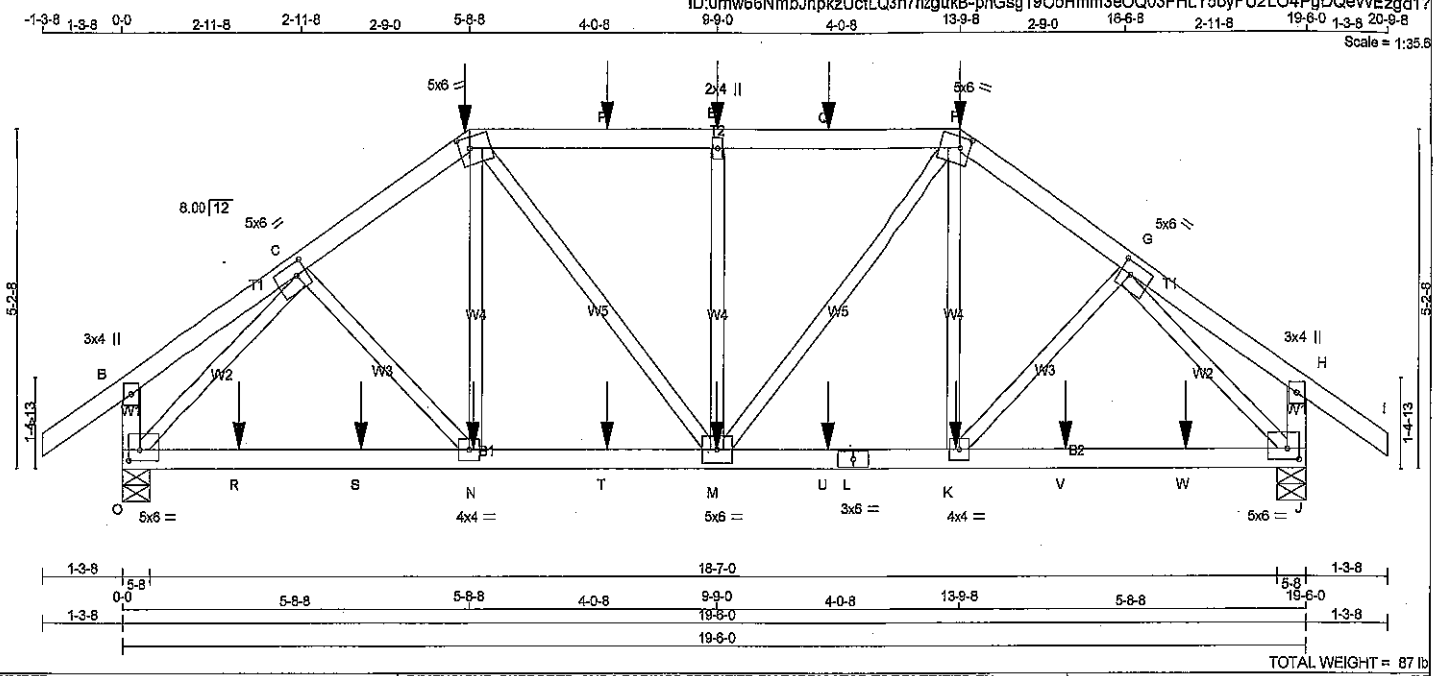

TOTAL WEIGHT = 87 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - 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 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	2.25	2.00
D	TTWW-m	MT20	5.0	6.0	2.00	2.00
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.00	2.00
G	TMWW-t	MT20	5.0	6.0	2.25	2.00
H	TMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	5.0	6.0	2.00	2.25
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	2.00	2.25

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 637.6 lbs FACTORED DOWN AT 5-8-8, 194.6 lbs FACTORED DOWN AT 7-11-4, 194.6 lbs FACTORED DOWN AT 9-9-0, AND 194.6 lbs FACTORED DOWN AT 11-6-12, AND 637.6 lbs FACTORED DOWN AT 13-8-8 ON TOP CHORD, AND 90.9 lbs FACTORED DOWN AT 1-11-4, 90.9 lbs FACTORED DOWN AT 3-11-4, 90.9 lbs FACTORED DOWN AT 5-9-4, 90.9 lbs FACTORED DOWN AT 7-11-4, 90.9 lbs FACTORED DOWN AT 9-9-0, 90.9 lbs FACTORED DOWN AT 11-6-12, 90.9 lbs FACTORED DOWN AT 13-8-12, AND 90.9 lbs FACTORED DOWN AT 15-6-12, AND 90.9 lbs FACTORED DOWN AT 17-6-12 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	REQRD BRG
O	2600	0	2600	0	0	5-8	5-8
J	2600	0	2600	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	2050	1293 / 0	381 / 0	0 / 0	0 / 0	376 / 0	0 / 0
J	2050	1293 / 0	381 / 0	0 / 0	0 / 0	376 / 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 = 3.26 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF)	CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.15 (1)		10.00
B- C	-2 / 13	-104.9	-104.9	0.12 (1)		10.00
C- D	-2898 / 0	-104.9	-104.9	0.24 (1)		3.86
D- P	-2858 / 0	-104.9	-104.9	0.66 (1)		3.26
P- E	-2858 / 0	-104.9	-104.9	0.66 (1)		3.26
E- Q	-2858 / 0	-104.9	-104.9	0.66 (1)		3.26
Q- F	-2858 / 0	-104.9	-104.9	0.66 (1)		3.26
F- G	-2898 / 0	-104.9	-104.9	0.24 (1)		3.86
G- H	-2 / 13	-104.9	-104.9	0.12 (1)		10.00
H- I	0 / 40	-104.9	-104.9	0.15 (1)		10.00
O- B	-270 / 0	0.0	0.0	0.03 (1)		7.81
J- H	-270 / 0	0.0	0.0	0.03 (1)		7.81
O- R	0 / 2126	-28.0	-28.0	0.65 (2)		10.00
R- S	0 / 2126	-28.0	-28.0	0.65 (2)		10.00
S- N	0 / 2126	-28.0	-28.0	0.65 (2)		10.00
N- T	0 / 2396	-28.0	-28.0	0.69 (2)		10.00
T- M	0 / 2396	-28.0	-28.0	0.69 (2)		10.00
M- U	0 / 2396	-28.0	-28.0	0.69 (2)		10.00
U- L	0 / 2396	-28.0	-28.0	0.69 (2)		10.00
L- K	0 / 2396	-28.0	-28.0	0.69 (2)		10.00
K- V	0 / 2126	-28.0	-28.0	0.65 (2)		10.00
V- W	0 / 2126	-28.0	-28.0	0.65 (2)		10.00
W- J	0 / 2126	-28.0	-28.0	0.65 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	0 / 382	0.09 (1)
N- D	0 / 407	0.10 (3)
D- M	0 / 725	0.18 (1)
M- E	-977 / 0	0.41 (1)
M- F	0 / 725	0.18 (1)
K- F	0 / 407	0.10 (3)
K- G	0 / 382	0.09 (1)
O- C	-3077 / 0	0.89 (1)
G- J	-3077 / 0	0.89 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-8-8	-638	-638	---	FRONT	VERT	TOTAL
E	9-9-0	-195	-195	---	FRONT	VERT	TOTAL
F	13-9-8	-638	-638	---	FRONT	VERT	TOTAL
K	13-8-12	-52	-91	---	FRONT	VERT	TOTAL
M	9-9-0	-52	-91	---	FRONT	VERT	TOTAL
N	5-9-4	-52	-91	---	FRONT	VERT	TOTAL
P	7-11-4	-195	-195	---	FRONT	VERT	TOTAL
Q	11-6-12	-195	-195	---	FRONT	VERT	TOTAL
R	1-11-4	-49	-91	---	FRONT	VERT	TOTAL
S	3-11-4	-52	-91	---	FRONT	VERT	TOTAL
T	7-11-4	-52	-91	---	FRONT	VERT	TOTAL
U	11-6-12	-52	-91	---	FRONT	VERT	TOTAL
V	15-6-12	-52	-91	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.66/1.00 (E-F:1) , BC=0.69/1.00 (M-N:2) , WB=0.89/1.00 (G-J:1) , SSI=0.34/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 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 (D) (INPUT = 0.90)
JSI METAL= 0.77 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2816 S KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM1104 S-1B
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
295250	T30	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
W	17-8-12	-49	-91	---	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
2018
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11045-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T30S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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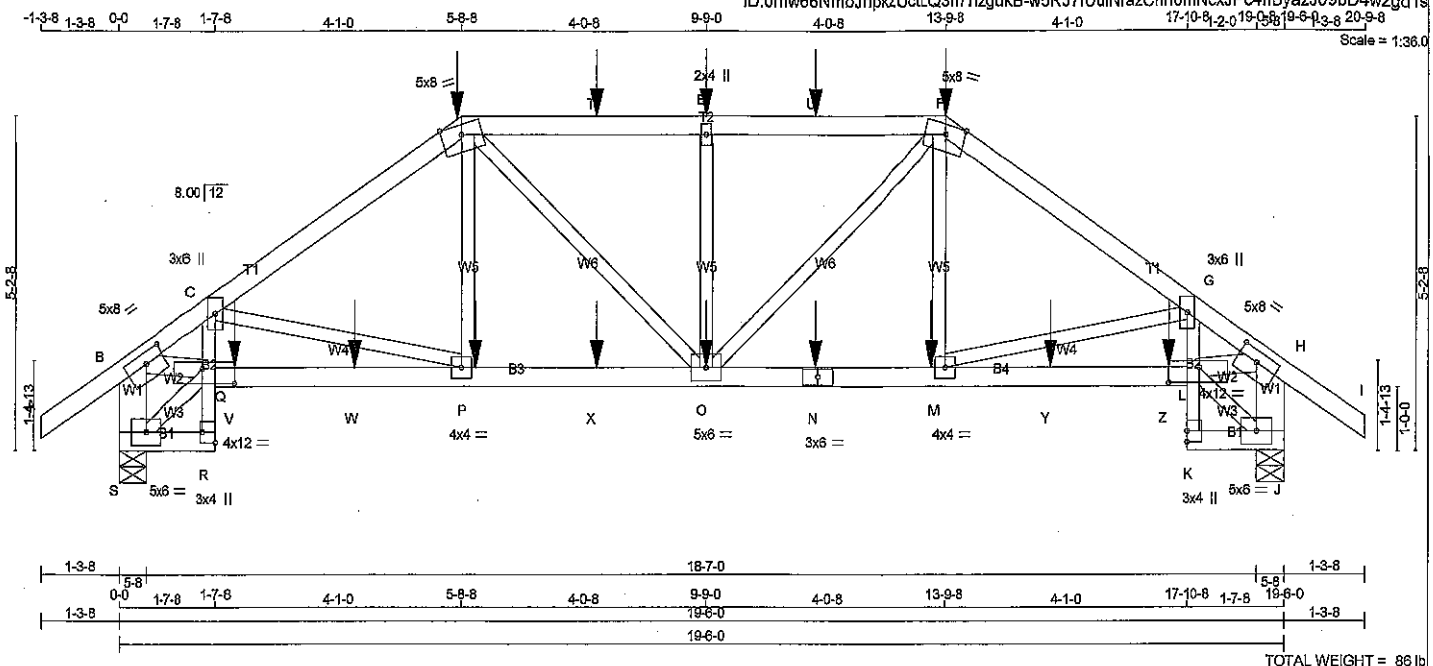


TOTAL WEIGHT = 86 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
S - B	2x6	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF
S - R	2x4	DRY	No.2	SPF
R - C	2x3	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
K - G	2x3	DRY	No.2	SPF
K - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
B - Q	2x4	DRY	No.2	SPF
L - H	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.00	3.75
C	TMVW+p	MT20	3.0	6.0		
D	TTWW-m	MT20	5.0	8.0	Edge	
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	8.0	Edge	
G	TMVW+p	MT20	3.0	6.0		
H	TMVW-t	MT20	5.0	8.0	2.00	3.75
J	BMVW1-t	MT20	5.0	6.0		
K	BMV+p	MT20	3.0	4.0		
L	BVMWW-l	MT20	4.0	12.0	2.75	6.25
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	5.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BVMWW-l	MT20	4.0	12.0	2.75	6.25
R	BMV+p	MT20	3.0	4.0	2.00	Edge
S	BMVW1-t	MT20	5.0	6.0		

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) 432.5 lbs FACTORED DOWN AT 5-8-8, 115.4 lbs FACTORED DOWN AT 7-11-4, 115.4 lbs FACTORED DOWN AT 9-9-0, AND 115.4 lbs FACTORED DOWN AT 11-6-12, AND 432.5 lbs FACTORED DOWN AT 13-9-8 ON TOP CHORD, AND 121.9 lbs FACTORED DOWN AT 1-11-4, 113.7 lbs FACTORED DOWN AT 3-11-4, 113.7 lbs FACTORED DOWN AT 5-11-4, 113.7 lbs FACTORED DOWN AT 7-11-4, 113.7 lbs FACTORED DOWN AT 9-9-0, 113.7 lbs FACTORED DOWN AT 11-6-12, 113.7 lbs FACTORED DOWN AT 13-6-12, AND 113.7 lbs FACTORED DOWN AT 15-6-12, AND 121.9 lbs FACTORED DOWN AT 17-6-12 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
S	2565	0	2565	0	0	5-8	5-8
J	2566	0	2566	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	2017	1282 / 0	369 / 0	0 / 0	0 / 0	367 / 0	0 / 0
J	2018	1282 / 0	369 / 0	0 / 0	0 / 0	367 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.15 (1)	10.00	C- P	-661 / 0	0.23 (1)
B- C	-4107 / 0	-104.9	-104.9	0.36 (1)	3.13	P- D	0 / 538	0.13 (2)
C- D	-3404 / 0	-104.9	-104.9	0.55 (1)	3.28	D- O	0 / 775	0.19 (1)
D- T	-3392 / 0	-104.9	-104.9	0.61 (1)	3.11	O- E	-775 / 0	0.22 (1)
T- E	-3392 / 0	-104.9	-104.9	0.61 (1)	3.11	O- F	0 / 774	0.19 (1)
E- U	-3392 / 0	-104.9	-104.9	0.61 (1)	3.11	M- F	0 / 539	0.13 (2)
U- F	-3392 / 0	-104.9	-104.9	0.61 (1)	3.11	M- G	-661 / 0	0.23 (1)
F- G	-3405 / 0	-104.9	-104.9	0.55 (1)	3.28	S- Q	-64 / 0	0.01 (1)
G- H	-4108 / 0	-104.9	-104.9	0.36 (1)	3.13	B- Q	0 / 3406	0.60 (1)
H- I	0 / 40	-104.9	-104.9	0.15 (1)	10.00	L- J	-64 / 0	0.01 (1)
S- B	-2507 / 0	0.0	0.0	0.18 (1)	6.50	L- H	0 / 3407	0.60 (1)
J- H	-2508 / 0	0.0	0.0	0.18 (1)	6.50			
S- R	0 / 52	-28.0	-28.0	0.03 (2)	10.00			
R- Q	0 / 37	0.0	0.0	0.17 (1)	10.00			
Q- C	0 / 278	0.0	0.0	0.23 (1)	10.00			
Q- V	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
V- W	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
W- P	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
P- X	0 / 2835	-28.0	-28.0	0.70 (1)	10.00			
X- O	0 / 2835	-28.0	-28.0	0.70 (1)	10.00			
O- N	0 / 2836	-28.0	-28.0	0.70 (1)	10.00			
N- M	0 / 2836	-28.0	-28.0	0.70 (1)	10.00			
M- Y	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
Y- Z	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
Z- L	0 / 3463	-28.0	-28.0	0.81 (1)	10.00			
K- L	0 / 37	0.0	0.0	0.17 (1)	10.00			
L- G	0 / 278	0.0	0.0	0.23 (1)	10.00			
K- J	0 / 52	-28.0	-28.0	0.03 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-8-8	-432	-432	—	FRONT	VERT	TOTAL
E	9-9-0	-115	-115	—	FRONT	VERT	TOTAL
F	13-9-8	-432	-432	—	FRONT	VERT	TOTAL
M	13-6-12	-114	-114	—	FRONT	VERT	TOTAL
N	11-6-12	-114	-114	—	FRONT	VERT	TOTAL
O	9-9-0	-114	-114	—	FRONT	VERT	TOTAL
P	5-11-4	-114	-114	—	FRONT	VERT	TOTAL
T	7-11-4	-115	-115	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.61/1.00 (E-F:1) , BC=0.81/1.00 (L-M:1) , WB=0.60/1.00 (H-L:1) , SSI=0.29/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

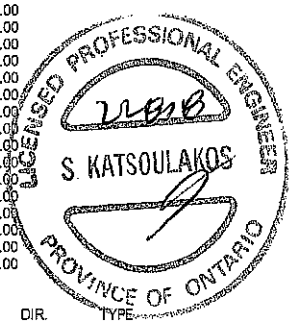
NAIL VALUES

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 (Q) (INPUT = 0.90)
JSI METAL= 0.88 (N) (INPUT = 1.00)



DWG NO. TAM 11026-18

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T30S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
U	11-6-12	-115	-115	---	FRONT	VERT	TOTAL
V	1-11-4	-122	-122	---	FRONT	VERT	TOTAL
W	3-11-4	-114	-114	---	FRONT	VERT	TOTAL
X	7-11-4	-114	-114	---	FRONT	VERT	TOTAL
Y	15-6-12	-114	-114	---	FRONT	VERT	TOTAL
Z	17-6-12	-122	-122	---	FRONT	VERT	TOTAL

DWG NO. TAM 1/026-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
295250	T31	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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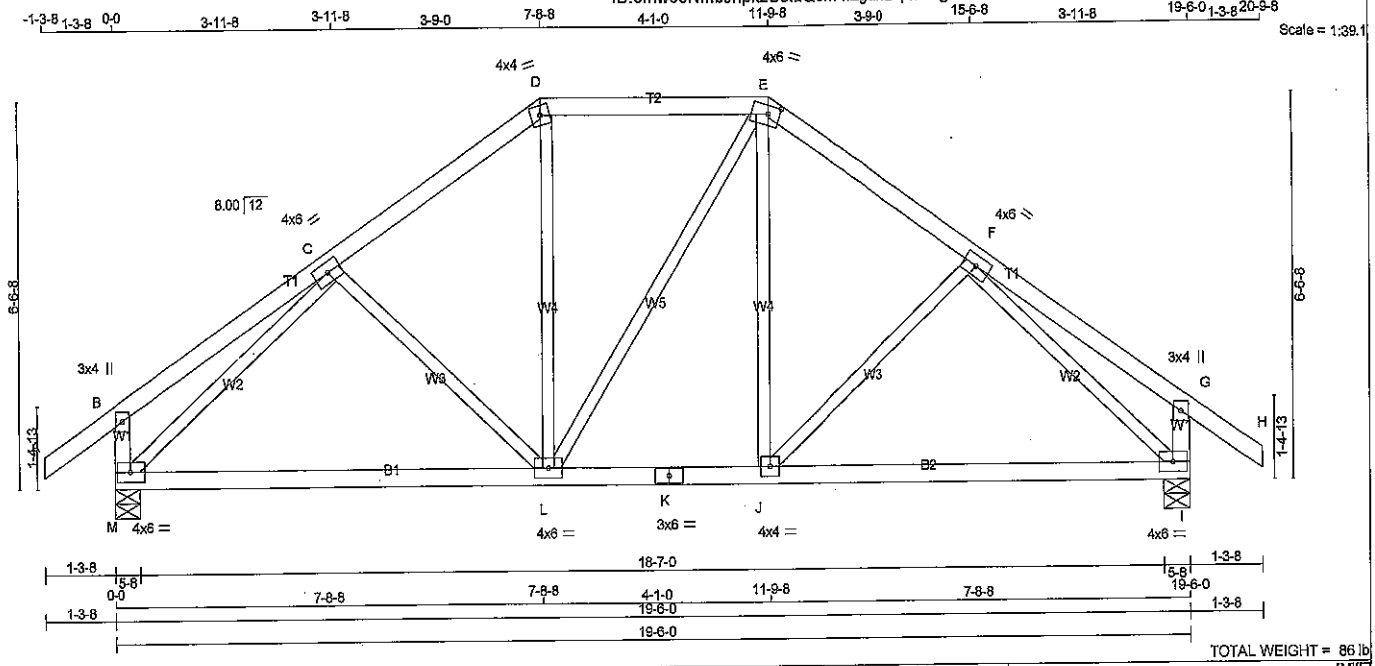

TOTAL WEIGHT = 86 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TTWW-m	MT20	4.0	6.0	1.75	2.50
F	TMWW-t	MT20	4.0	6.0		
G	TMV+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	4.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1440	0	1440	0	0	5-8	5-8
I	1440	0	1440	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX /MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
I	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.60 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
B- C	0 / 25	-104.9	-104.9	0.24 (1)	10.00	
C- D	-1213 / 0	-104.9	-104.9	0.20 (1)	5.60	
D- E	-991 / 0	-104.9	-104.9	0.24 (1)	5.99	
E- F	-1212 / 0	-104.9	-104.9	0.20 (1)	5.60	
F- G	0 / 25	-104.9	-104.9	0.24 (1)	10.00	
G- H	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
M- B	-300 / 0	0.0	0.0	0.03 (1)	7.81	
I- G	-300 / 0	0.0	0.0	0.03 (1)	7.81	
M- L	0 / 1105	-28.0	-28.0	0.47 (2)	10.00	
L- K	0 / 991	-28.0	-28.0	0.43 (2)	10.00	
K- J	0 / 991	-28.0	-28.0	0.43 (2)	10.00	
J- I	0 / 1105	-28.0	-28.0	0.47 (2)	10.00	

WEBS FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- L	-162 / 67	0.08 (1)
L- D	0 / 315	0.07 (2)
L- E	0 / 0	0.00 (1)
J- E	0 / 314	0.07 (2)
J- F	-162 / 67	0.08 (1)
M- C	-1523 / 0	0.69 (1)
F- I	-1522 / 0	0.69 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 859 (0.27")

CSI: TC=0.24/1.00 (F-G:1) , BC=0.47/1.00 (I-J:2) , WB=0.69/1.00 (C-M:1) , SSI=0.17/1.00 (L-M: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= 0.84 (K) (INPUT = 0.90)
JSI METAL= 0.51 (K) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER S KATSOULAKOS PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11046-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T31S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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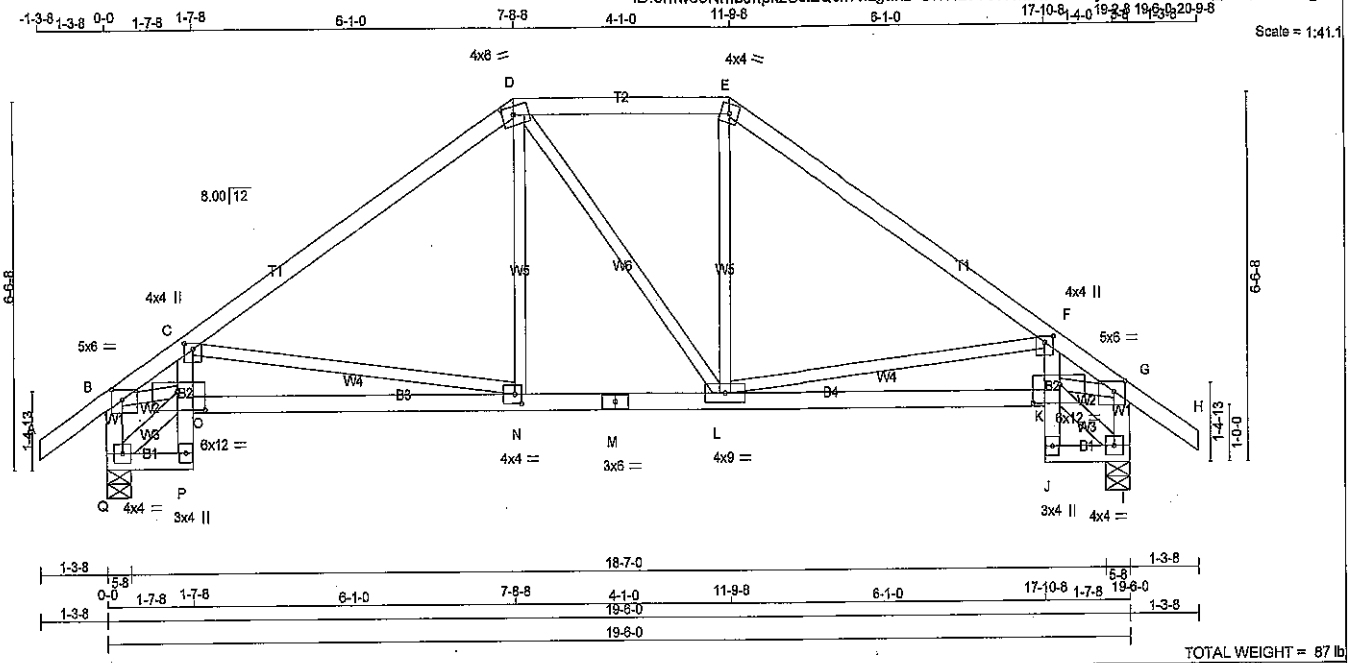

TOTAL WEIGHT = 87 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	2.25	2.50
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
D	TTWW-m	MT20	4.0	6.0	1.75	2.50
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.25	2.00
G	TMVW-p	MT20	5.0	6.0	2.25	2.50
I	BMVW1-t	MT20	4.0	4.0		
J	BMV+p	MT20	3.0	4.0		
K	BVMWW-I	MT20	6.0	12.0	4.00	6.25
L	BMWWW-t	MT20	4.0	9.0		
M	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	4.0	4.0	2.00	1.50
O	BVMWW-I	MT20	6.0	12.0	4.00	6.25
P	BMV+p	MT20	3.0	4.0		
Q	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
Q	1440	0	1440	0	0	5-8	5-8
I	1440	0	1440	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
I	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
B- C	-2442 / 0	-104.9	-104.9	0.40 (1)	3.99	
C- D	-1409 / 0	-104.9	-104.9	0.56 (1)	4.78	
D- E	-1155 / 0	-104.9	-104.9	0.24 (1)	5.65	
E- F	-1407 / 0	-104.9	-104.9	0.56 (1)	4.78	
F- G	-2441 / 0	-104.9	-104.9	0.40 (1)	4.00	
G- H	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
Q- B	-1340 / 0	0.0	0.0	0.14 (1)	7.00	
I- G	-1340 / 0	0.0	0.0	0.14 (1)	7.00	
Q- P	0 / 101	-28.0	-28.0	0.03 (2)	10.00	
P- O	0 / 36	0.0	0.0	0.16 (1)	10.00	
O- C	0 / 238	0.0	0.0	0.19 (1)	10.00	
O- N	0 / 2234	-28.0	-28.0	0.50 (1)	10.00	
N- M	0 / 1153	-28.0	-28.0	0.35 (2)	10.00	
M- L	0 / 1153	-28.0	-28.0	0.35 (2)	10.00	
L- K	0 / 2233	-28.0	-28.0	0.50 (1)	10.00	
J- K	0 / 36	0.0	0.0	0.16 (1)	10.00	
K- F	0 / 238	0.0	0.0	0.19 (1)	10.00	
J- I	0 / 101	-28.0	-28.0	0.03 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	-1101 / 0	0.83 (1)
N- D	0 / 335	0.08 (2)
D- L	0 / 5	0.00 (2)
L- E	0 / 338	0.08 (2)
L- F	-1102 / 0	0.83 (1)
Q- O	-128 / 0	0.01 (1)
B- O	0 / 2105	0.47 (1)
K- I	-128 / 0	0.01 (1)
K- G	0 / 2105	0.47 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.56/1.00 (E-F:1) , BC=0.50/1.00 (K-L:1) , WB=0.83/1.00 (F-L:1) , SSI=0.25/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (G) (INPUT = 0.90)
JSI METAL= 0.46 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2018
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 1/027 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T32S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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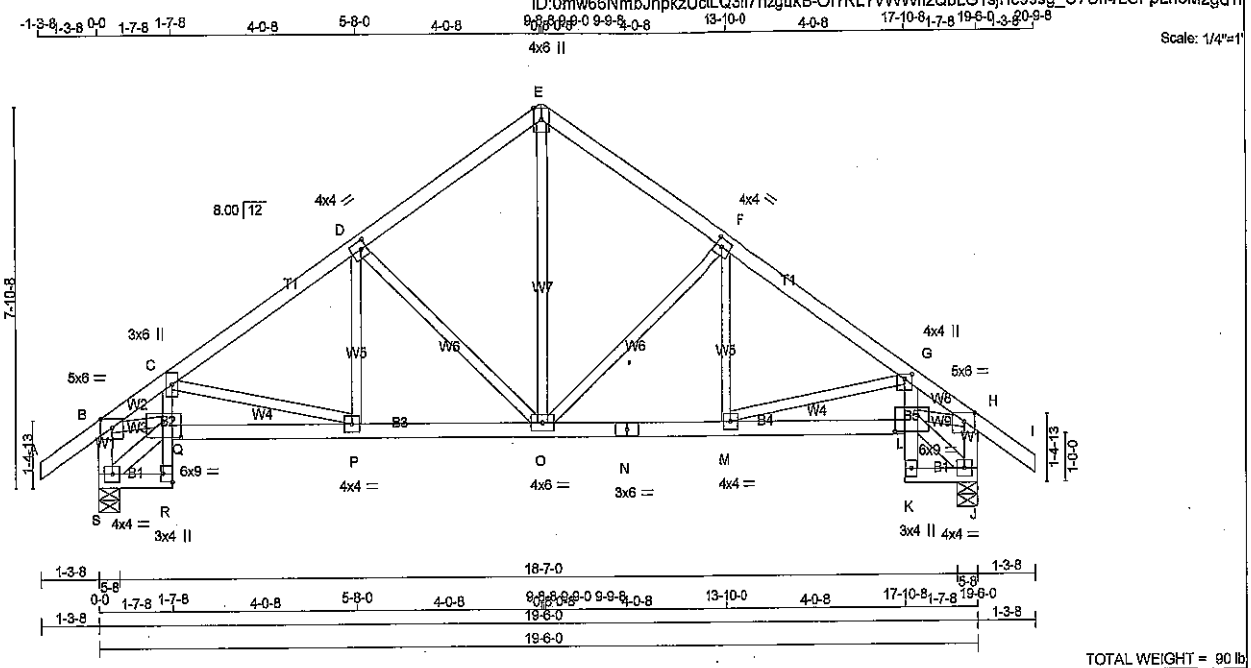

TOTAL WEIGHT = 90 lb

[MiTek]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in Inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW+p	MT20	3.0	6.0		
D	TMVW-t	MT20	4.0	4.0	2.00	1.50
E	TTW+p	MT20	4.0	6.0	Edge	
F	TMVW-t	MT20	4.0	4.0	2.00	1.50
G	TMVW+p	MT20	4.0	4.0	1.25	2.00
H	TMVW-p	MT20	5.0	6.0	2.25	2.75
J	BMVW1-t	MT20	4.0	4.0		
K	BMV+p	MT20	3.0	4.0		
L	BVMWW-I	MT20	6.0	9.0	4.00	6.00
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BVMWW-I	MT20	6.0	9.0	4.00	4.75
R	BMV+p	MT20	3.0	4.0	2.00	Edge
S	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	1440	0	1440	0	0	5-8	5-8
J	1440	0	1440	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
J	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.50 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	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B-C	-2143 / 0	-104.9	-104.9	0.15 (1)	4.53
C-D	-1643 / 0	-104.9	-104.9	0.25 (1)	4.93
D-E	-1170 / 0	-104.9	-104.9	0.23 (1)	5.64
E-F	-1170 / 0	-104.9	-104.9	0.23 (1)	5.63
F-G	-1644 / 0	-104.9	-104.9	0.25 (1)	4.93
G-H	-2169 / 0	-104.9	-104.9	0.15 (1)	4.50
H-I	0 / 40	-104.9	-104.9	0.14 (1)	10.00
S-B	-1395 / 0	0.0	0.0	0.14 (1)	6.89
J-H	-1349 / 0	0.0	0.0	0.14 (1)	6.98
S-R	0 / 32	-28.0	-28.0	0.02 (2)	10.00
R-Q	0 / 37	0.0	0.0	0.10 (1)	10.00
Q-C	0 / 174	0.0	0.0	0.13 (1)	10.00
Q-P	0 / 1799	-28.0	-28.0	0.35 (1)	10.00
P-O	0 / 1386	-28.0	-28.0	0.27 (1)	10.00
O-N	0 / 1386	-28.0	-28.0	0.27 (1)	10.00
N-M	0 / 1386	-28.0	-28.0	0.27 (1)	10.00
M-L	0 / 1898	-28.0	-28.0	0.36 (1)	10.00
K-L	0 / 36	0.0	0.0	0.14 (1)	10.00
L-G	0 / 200	0.0	0.0	0.17 (1)	10.00
K-J	0 / 89	-28.0	-28.0	0.03 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C-P	-426 / 0	0.13 (1)
P-D	0 / 261	0.08 (2)
D-O	-599 / 0	0.32 (1)
O-F	-601 / 0	0.32 (1)
M-F	0 / 260	0.08 (2)
M-G	-525 / 0	0.16 (1)
O-E	0 / 939	0.21 (1)
S-Q	-40 / 0	0.00 (1)
B-Q	0 / 1762	0.40 (1)
L-J	-113 / 0	0.01 (1)
L-H	0 / 1784	0.40 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.25/1.00 (F-G:1) , BC=0.36/1.00 (L-M:1) , WB=0.40/1.00 (H-L:1) , SSI=0.17/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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.

SSI GRIP= 0.90 (B) (INPUT = 0.90)
SSI METAL= 0.41 (H) (INPUT = 1.00)

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DWG NO. TAM 1/028-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T33	6	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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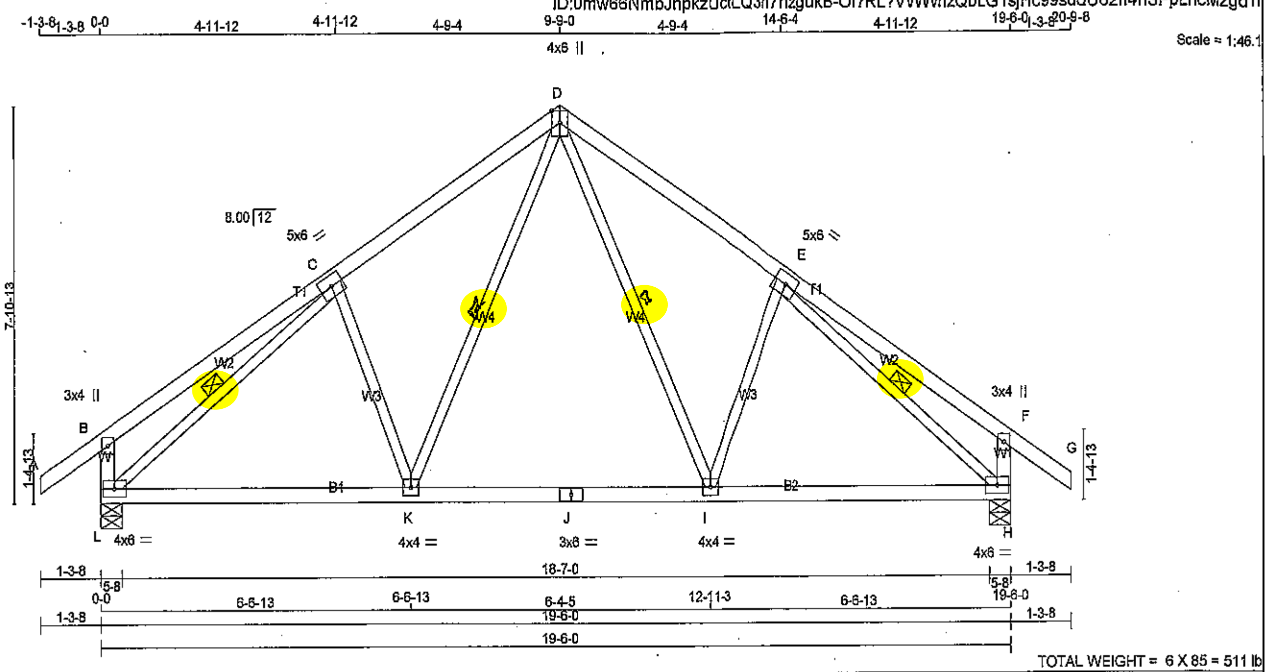

TOTAL WEIGHT = 6 X 85 = 511 lb

[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	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	4.0	6.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
L	1440	0	1440	0	0	5-8	5-8
H	1440	0	1440	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 0	0 / 0
H	1130	722 / 0	205 / 0	0 / 0	0 / 0	203 / 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 = 5.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B- C	0 / 33	-104.9	-104.9	0.40 (1)	10.00
C- D	-1278 / 0	-104.9	-104.9	0.33 (1)	5.32
D- E	-1278 / 0	-104.9	-104.9	0.33 (1)	5.32
E- F	0 / 33	-104.9	-104.9	0.40 (1)	10.00
F- G	0 / 40	-104.9	-104.9	0.14 (1)	10.00
L- B	-338 / 0	0.0	0.0	0.03 (1)	7.81
H- F	-338 / 0	0.0	0.0	0.03 (1)	7.81
L- K	0 / 1154	-28.0	-28.0	0.39 (2)	10.00
K- J	0 / 829	-28.0	-28.0	0.36 (2)	10.00
J- I	0 / 829	-28.0	-28.0	0.36 (2)	10.00
I- H	0 / 1154	-28.0	-28.0	0.39 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
D- I	0 / 535	0.12 (1)
I- E	-319 / 50	0.12 (1)
K- D	0 / 535	0.12 (1)
C- K	-319 / 50	0.12 (1)
L- C	-1544 / 0	0.44 (1)
E- H	-1544 / 0	0.44 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.40/1.00 (E-F:1) , BC=0.39/1.00 (K-L:2) , WB=0.44/1.00 (E-H:1) , SSI=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (L) (INPUT = 0.90)
JSI METAL= 0.40 (E) (INPUT = 1.00)

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DWG NO. TAM 11029 -18
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T34	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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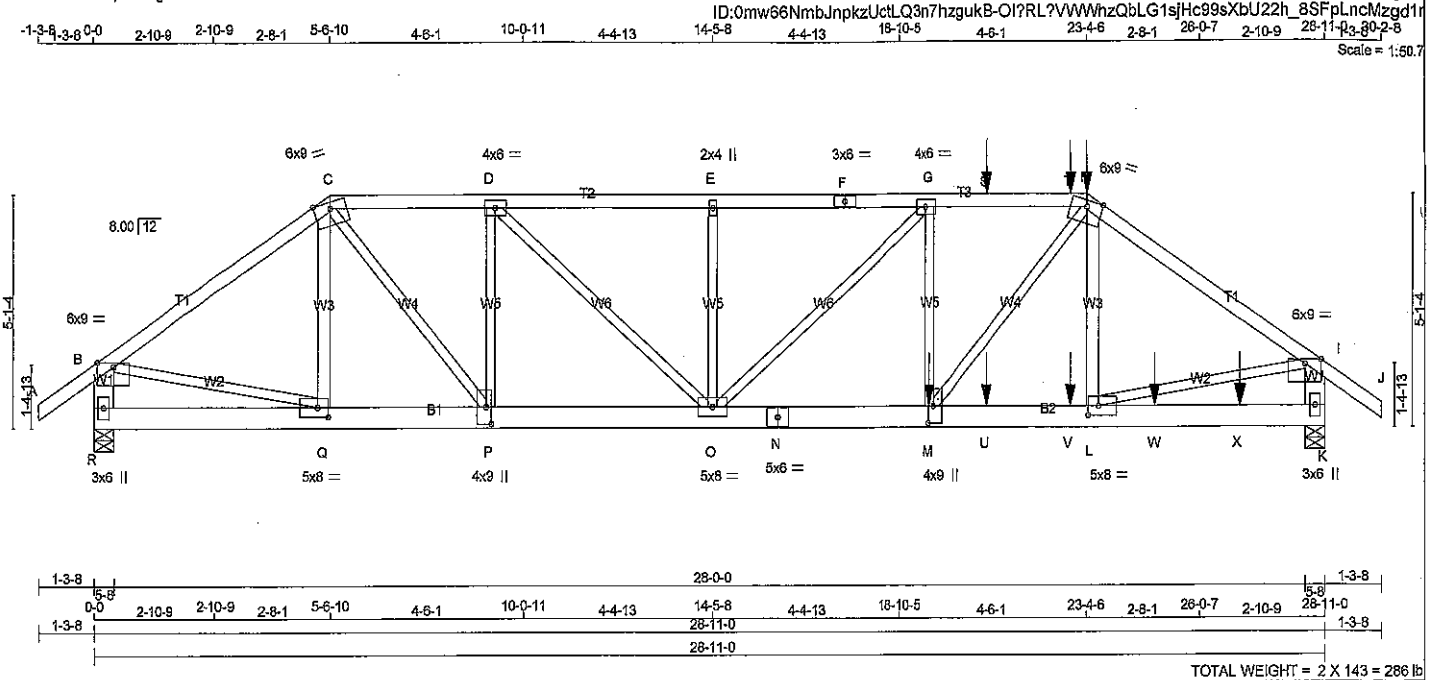

LUMBER

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	No.2	SPF
N - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
Q - C	2x4	DRY	No.2	SPF
L - H	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- F	1	12	TOP
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	TOP
N- K	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
G- M	1	3	SIDE(753.3)
2x3	1	6	
D- P	1	3	
L- H	1	6	SIDE(15.5)
2x4	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	6.0	9.0	Edge	
C	TTWW-m	MT20	6.0	9.0	Edge	
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	6.0	9.0	Edge	
I	TMVW-p	MT20	6.0	9.0	Edge	
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	8.0	2.50	3.00
M	BMWW+t	MT20	4.0	9.0	4.50	1.50
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		

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
R	3583	0	3583	0	0	5-8	5-8
K	6152	0	6152	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	2814	1796 / 0	511 / 0	0 / 0	0 / 0	507 / 0	0 / 0
K	4840	3074 / 0	889 / 0	0 / 0	0 / 0	877 / 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 = 3.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.08 (1)	10.00
B- C	-4336 / 0	-104.9	-104.9	0.48 (1)	4.16
C- D	-5587 / 0	-104.9	-104.9	0.26 (1)	3.91
D- E	-7611 / 0	-104.9	-104.9	0.46 (1)	3.27
E- F	-7611 / 0	-104.9	-104.9	0.46 (1)	3.27
F- G	-7611 / 0	-104.9	-104.9	0.46 (1)	3.27
G- S	-8865 / 0	-104.9	-104.9	0.44 (1)	3.00
S- T	-8865 / 0	-104.9	-104.9	0.44 (1)	3.00
T- H	-8865 / 0	-104.9	-104.9	0.44 (1)	3.00
H- I	-7636 / 0	-104.9	-104.9	0.79 (1)	3.05
I- J	0 / 40	-104.9	-104.9	0.08 (1)	10.00
R- B	-3511 / 0	0.0	0.0	0.13 (1)	7.47
K- I	-5852 / 0	0.0	0.0	0.21 (1)	6.10
R- Q	0 / 0	-28.0	-28.0	0.05 (2)	10.00
Q- P	0 / 3620	-28.0	-28.0	0.25 (1)	10.00
P- O	0 / 5587	-28.0	-28.0	0.40 (1)	10.00
O- N	0 / 8865	-28.0	-28.0	0.65 (1)	10.00
N- M	0 / 8865	-28.0	-28.0	0.65 (1)	10.00
M- U	0 / 6347	-28.0	-28.0	0.58 (1)	10.00
U- V	0 / 6347	-28.0	-28.0	0.58 (1)	10.00
V- L	0 / 6347	-28.0	-28.0	0.58 (1)	10.00
L- W	0 / 0	-28.0	-28.0	0.19 (1)	10.00
W- X	0 / 0	-28.0	-28.0	0.19 (1)	10.00
X- K	0 / 0	-28.0	-28.0	0.19 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-530 / 0	0.07 (1)
C- P	0 / 3167	0.39 (1)
P- D	-2341 / 0	0.44 (1)
D- O	0 / 2743	0.34 (1)
O- E	-557 / 0	0.10 (1)
O- G	-1701 / 0	0.78 (1)
M- G	0 / 835	0.08 (1)
M- H	0 / 4055	0.50 (1)
L- H	-30 / 259	0.02 (3)
B- Q	0 / 3664	0.45 (1)
L- I	0 / 6452	0.80 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
H	23-4-6	-527	-527	—	FRONT	VERT	TOTAL
M	19-7-8	-3589	-3589	—	BACK	VERT	TOTAL
S	20-11-12	-54	-54	—	BACK	VERT	TOTAL
T	22-11-12	-86	-86	—	BACK	VERT	TOTAL
U	20-11-12	-337	-337	—	BACK	VERT	TOTAL
V	22-11-12	-337	-337	—	BACK	VERT	TOTAL
W	24-11-12	-337	-337	—	BACK	VERT	TOTAL
X	26-11-12	-337	-337	—	BACK	VERT	TOTAL

[M]

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.30")

CSI: TC=0.79/1.00 (H-I:1) , BC=0.65/1.00 (M-O:1) , WB=0.80/1.00 (I-L:1) , SSI=0.20/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 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 (D) (INPUT = 0.90)
JSI METAL= 0.72 (N) (INPUT = 1.00)

CONTINUED ON PAGE 2

LICENSED PROFESSIONAL ENGINEER S KATSOULAKOS PROVINCE OF ONTARIO

P6 16

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T34	1	2	TRUSS DESC.	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
P	BMWW+t	MT20	4.0	9.0	4.50	1.50
Q	BMWW-t	MT20	5.0	8.0	2.50	3.00
R	BMV1+p	MT20	3.0	6.0		

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) 526.9 lbs FACTORED DOWN AT 23-4-6, AND 53.9 lbs FACTORED DOWN AT 20-11-12, AND 86.3 lbs FACTORED DOWN AT 22-11-12 ON TOP CHORD, AND 3589.3 lbs FACTORED DOWN AT 19-7-8, 336.6 lbs FACTORED DOWN AT 20-11-12, 336.6 lbs FACTORED DOWN AT 22-11-12, AND 336.6 lbs FACTORED DOWN AT 24-11-12, AND 336.6 lbs FACTORED DOWN AT 26-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11030-1B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T34Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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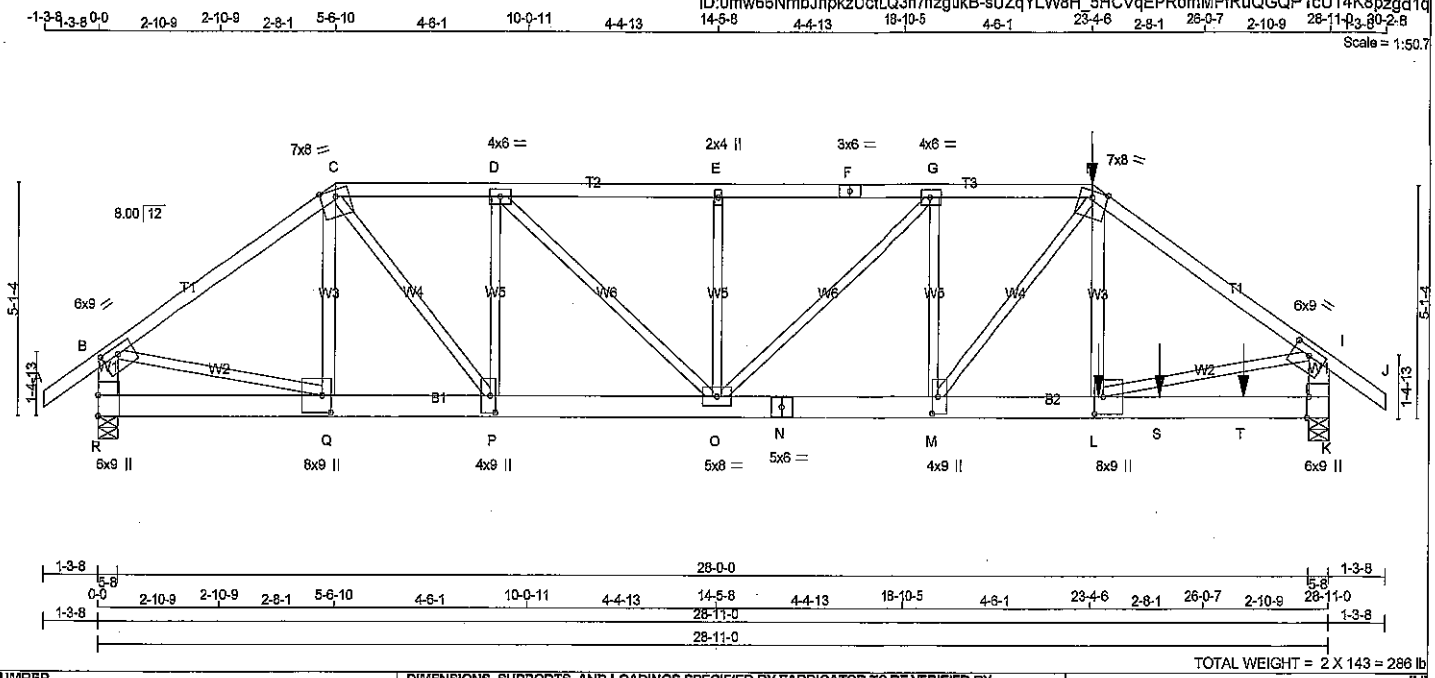

TOTAL WEIGHT = 2 X 143 = 286 lb [M]

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	No.2	SPF
N - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
Q - C	2x4	DRY	No.2	SPF
L - H	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- F	1	12	TOP
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	TOP
N- K	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
L- H	1	2	SIDE(1150.3)
2x4	1	2	

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-t	MT20	6.0	9.0	2.00	4.50
C	TTWW-m	MT20	7.0	8.0	Edge	4.25
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	4.25
I	TMVW-t	MT20	6.0	9.0	2.00	4.50
K	BMV1+p	MT20	6.0	9.0	Edge	0.50
L	BMWW+t	MT20	8.0	9.0	4.50	2.50
M	BMWW+t	MT20	4.0	9.0	4.50	1.50
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW+t	MT20	4.0	9.0	4.50	1.50
Q	BMWW+t	MT20	8.0	9.0	4.50	2.50

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	3192	0	3192	0	0	5-8	5-8
K	7252	0	7252	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	2514	1592 / 0	465 / 0	0 / 0	0 / 0	457 / 0	0 / 0
K	5713	3616 / 0	1058 / 0	0 / 0	0 / 0	1039 / 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 = 2.67 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B		0 / 40	-104.9	-104.9	0.08 (1)	10.00	Q- C	-446 / 14	0.08 (1)
B- C		-3785 / 0	-104.9	-104.9	0.44 (1)	4.43	C- P	0 / 2674	0.33 (1)
C- D		-4821 / 0	-104.9	-104.9	0.24 (1)	4.19	P- D	-1949 / 0	0.36 (1)
D- E		-6412 / 0	-104.9	-104.9	0.38 (1)	3.60	D- O	0 / 2157	0.27 (1)
E- F		-6412 / 0	-104.9	-104.9	0.38 (1)	3.60	O- E	-554 / 0	0.10 (1)
F- G		-6412 / 0	-104.9	-104.9	0.38 (1)	3.60	O- G	-1169 / 0	0.53 (1)
G- H		-7274 / 0	-104.9	-104.9	0.35 (1)	3.38	M- G	0 / 316	0.04 (2)
H- I		-9083 / 0	-104.9	-104.9	0.98 (1)	2.67	M- H	-230 / 0	0.07 (1)
I- J		0 / 40	-104.9	-104.9	0.08 (1)	10.00	L- H	0 / 4242	0.37 (1)
R- B		-3120 / 0	0.0	0.0	0.11 (1)	7.81	B- Q	0 / 3199	0.40 (1)
K- I		-6878 / 0	0.0	0.0	0.25 (1)	5.69	L- I	0 / 7675	0.95 (1)
R- Q		0 / 0	-28.0	-28.0	0.05 (2)	10.00			
Q- P		0 / 3159	-28.0	-28.0	0.22 (1)	10.00			
P- O		0 / 4821	-28.0	-28.0	0.36 (1)	10.00			
O- N		0 / 7274	-28.0	-28.0	0.52 (1)	10.00			
N- M		0 / 7274	-28.0	-28.0	0.52 (1)	10.00			
M- L		0 / 7417	-28.0	-28.0	0.50 (1)	10.00			
L- S		0 / 0	-28.0	-28.0	0.25 (1)	10.00			
S- T		0 / 0	-28.0	-28.0	0.25 (1)	10.00			
T- K		0 / 0	-28.0	-28.0	0.25 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
H	23-4-6	-527	-527	---	FRONT	VERT	TOTAL
L	23-6-8	-5111	-5111	---	FRONT	VERT	TOTAL
S	24-11-12	-337	-337	---	FRONT	VERT	TOTAL
T	26-11-12	-337	-337	---	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	=	32.5	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	53.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.25")

CSI: TC=0.98/1.00 (H-I:1) , BC=0.52/1.00 (M-O:1) , WB=0.95/1.00 (I-L:1) , SSI=0.15/1.00 (K-L:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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= 0.78 (B) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T34Z	1	2	TRUSS DESC.	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
R	BMV1+p	MT20	6.0	9.0	5.50	

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) 526.9 lbs FACTORED DOWN AT 23-4-6 ON TOP CHORD, AND 5111.3 lbs FACTORED DOWN AT 23-6-8, AND 336.6 lbs FACTORED DOWN AT 24-11-12, AND 336.6 lbs FACTORED DOWN AT 26-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
22878
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM1031-17B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T35	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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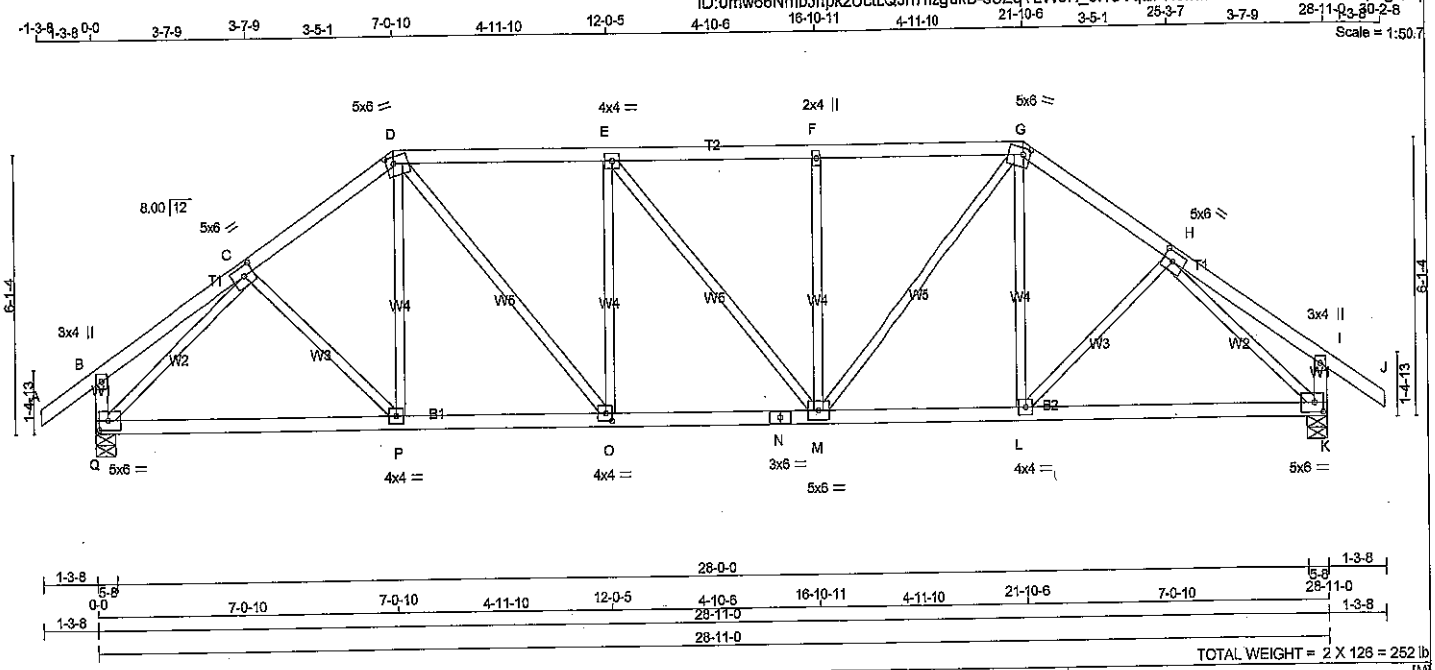

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	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	2.75
D	TTWW-m	MT20	5.0	6.0	1.75	2.00
E	TMWW-t	MT20	4.0	4.0		
F	TMW+w	MT20	2.0	4.0		
G	TTWW-m	MT20	5.0	6.0	1.75	2.00
H	TMWW-t	MT20	5.0	6.0	2.50	2.75
I	TMV+p	MT20	3.0	4.0		
K	BMVW1-t	MT20	5.0	6.0	2.50	2.50
L	BMWW-t	MT20	4.0	4.0		
M	BMWWW-t	MT20	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0	2.00	1.75
P	BMWW-t	MT20	4.0	4.0		
Q	BMVW1-t	MT20	5.0	6.0	2.50	2.50

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	2066	0	2066	0	0	5-8	5-8
K	2066	0	2066	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
K	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 40	-104.9	-104.9	0.14 (1)	10.00		C-P	0 / 152	0.03 (3)
B-C	0 / 21	-104.9	-104.9	0.18 (1)	10.00		P-D	0 / 258	0.06 (2)
C-D	-2174 / 0	-104.9	-104.9	0.25 (1)	4.39		D-O	0 / 891	0.20 (1)
D-E	-2370 / 0	-104.9	-104.9	0.45 (1)	4.00		O-E	-557 / 0	0.33 (1)
E-F	-2369 / 0	-104.9	-104.9	0.45 (1)	4.00		E-M	-3 / 0	0.00 (1)
F-G	-2368 / 0	-104.9	-104.9	0.44 (1)	4.01		M-F	-556 / 0	0.33 (1)
G-H	-2174 / 0	-104.9	-104.9	0.25 (1)	4.38		M-G	0 / 888	0.20 (1)
H-I	0 / 21	-104.9	-104.9	0.18 (1)	10.00		L-G	0 / 259	0.06 (2)
I-J	0 / 40	-104.9	-104.9	0.14 (1)	10.00		L-H	0 / 152	0.03 (3)
Q-B	-291 / 0	0.0	0.0	0.03 (1)	7.81		Q-C	-2426 / 0	0.93 (1)
K-I	-291 / 0	0.0	0.0	0.03 (1)	7.81		H-K	-2426 / 0	0.93 (1)
Q-P	0 / 1736	-28.0	-28.0	0.48 (2)	10.00				
P-O	0 / 1791	-28.0	-28.0	0.50 (2)	10.00				
O-N	0 / 2370	-28.0	-28.0	0.45 (1)	10.00				
N-M	0 / 2370	-28.0	-28.0	0.45 (1)	10.00				
M-L	0 / 1791	-28.0	-28.0	0.50 (2)	10.00				
L-K	0 / 1738	-28.0	-28.0	0.48 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.45/1.00 (D-E:1) , BC=0.50/1.00 (L-M:2) , WB=0.93/1.00 (H-K:1) , SSI=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.63 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2878
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 110328B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T36	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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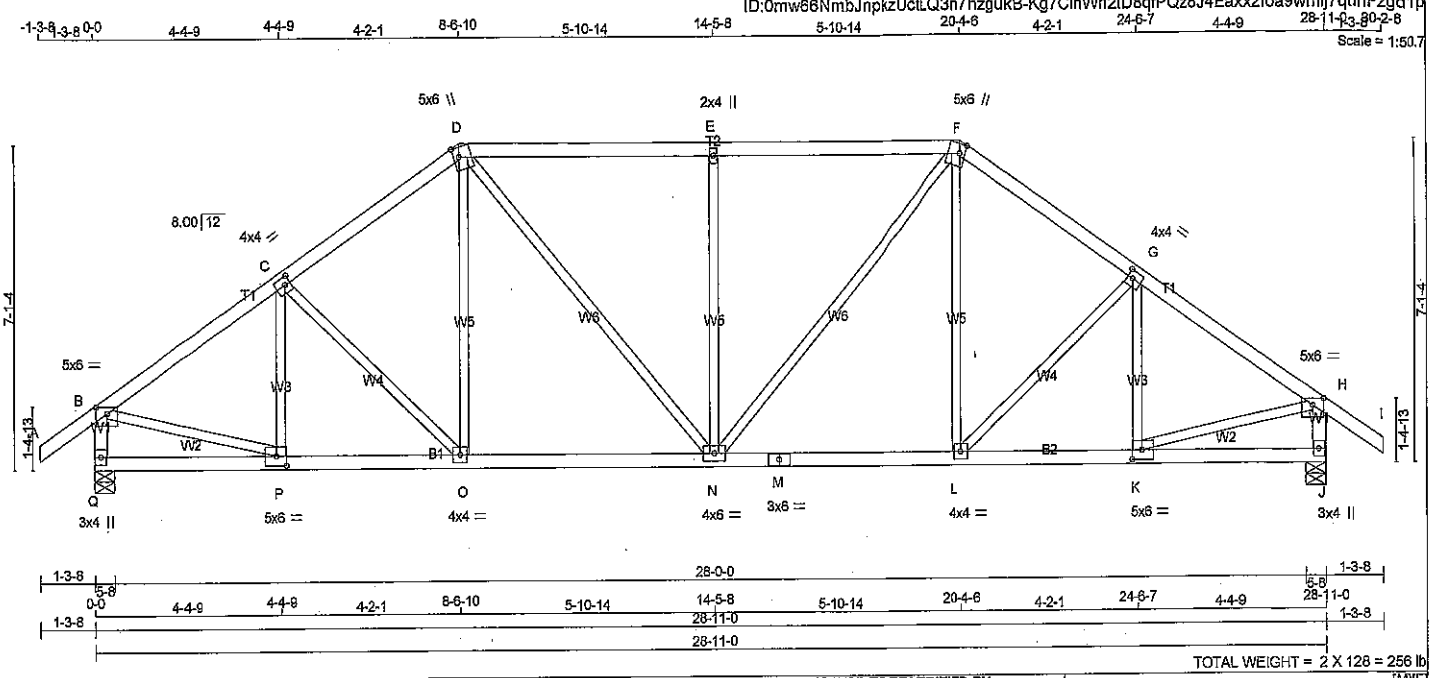

[M][F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	3.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.50	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.50	1.50
G	TMWW-t	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	3.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0	2.50	2.75
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	6.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.75
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	2066	0	2066	0	0	5-8	5-8
J	2066	0	2066	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF)	CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
B- C	-2193 / 0	-104.9	-104.9	0.30 (1)	4.34	
C- D	-2087 / 0	-104.9	-104.9	0.29 (1)	4.44	
D- E	-2115 / 0	-104.9	-104.9	0.54 (1)	4.07	
E- F	-2115 / 0	-104.9	-104.9	0.54 (1)	4.07	
F- G	-2087 / 0	-104.9	-104.9	0.29 (1)	4.44	
G- H	-2193 / 0	-104.9	-104.9	0.30 (1)	4.34	
H- I	0 / 40	-104.9	-104.9	0.14 (1)	10.00	
Q- B	-2011 / 0	0.0	0.0	0.21 (1)	5.95	
J- H	-2011 / 0	0.0	0.0	0.21 (1)	5.95	
Q- P	0 / 0	-28.0	-28.0	0.11 (2)	10.00	
P- O	0 / 1648	-28.0	-28.0	0.38 (1)	10.00	
O- N	0 / 1714	-28.0	-28.0	0.39 (2)	10.00	
N- M	0 / 1714	-28.0	-28.0	0.39 (2)	10.00	
M- L	0 / 1714	-28.0	-28.0	0.39 (2)	10.00	
L- K	0 / 1648	-28.0	-28.0	0.38 (1)	10.00	
K- J	0 / 0	-28.0	-28.0	0.11 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-336 / 32	0.09 (1)
C- O	-190 / 0	0.11 (1)
O- D	0 / 322	0.07 (2)
D- N	0 / 612	0.14 (1)
N- E	-758 / 0	0.66 (1)
N- F	0 / 612	0.14 (1)
L- F	0 / 322	0.07 (2)
L- G	-190 / 0	0.11 (1)
K- G	-336 / 32	0.09 (1)
B- P	0 / 1903	0.43 (1)
K- H	0 / 1903	0.43 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.54/1.00 (D-E:1) ; BC=0.39/1.00 (L-N:2) , WB=0.66/1.00 (E-N:1) , SSI=0.30/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)
JSI METAL= 0.47 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER S. KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 11033-1B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T37	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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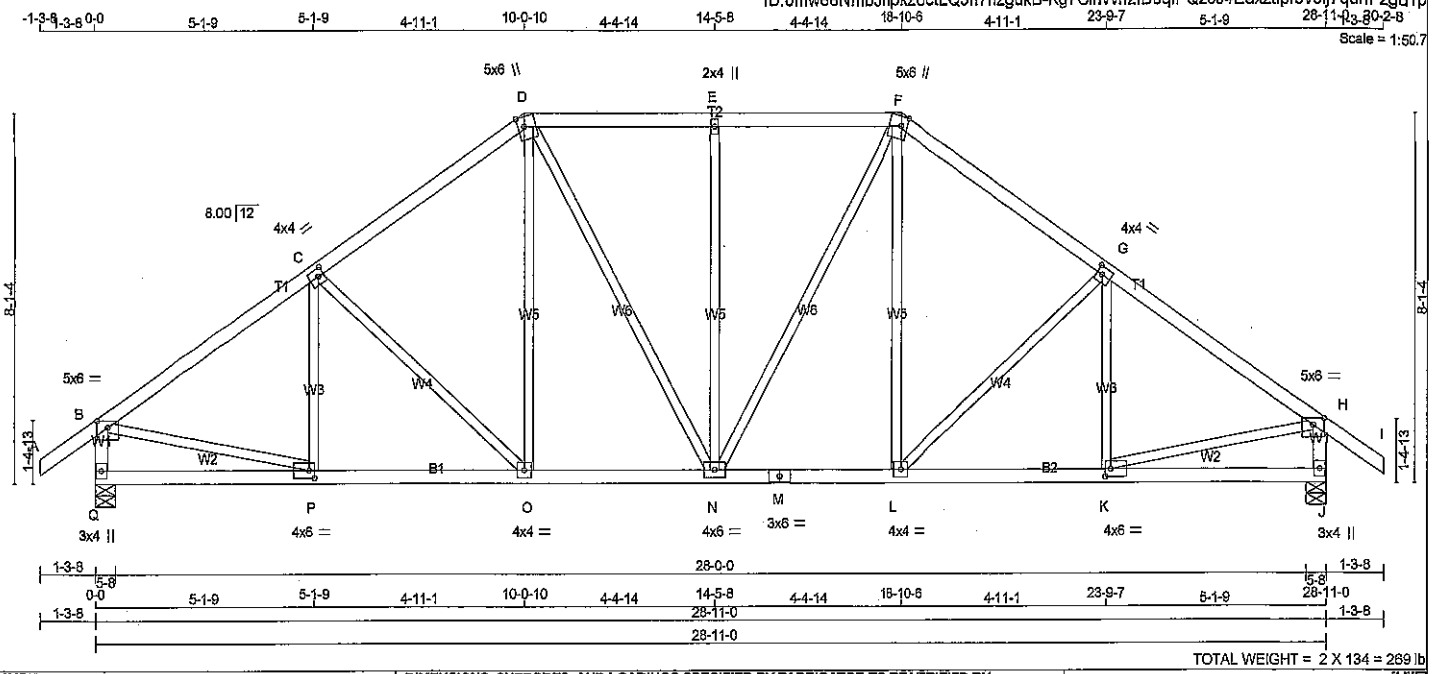


[M][F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	3.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	Edge	1.75
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	Edge	1.75
G	TMWW-t	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	3.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0	2.00	1.50
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	6.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	4.0	6.0	2.00	1.50
Q	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Q	2066	0	2066	0	0	5-8	5-8
J	2066	0	2066	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
J	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 4.17 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)		10.00
B- C	-2231 / 0	-104.9	-104.9	0.42 (1)		4.17
C- D	-1983 / 0	-104.9	-104.9	0.39 (1)		4.41
D- E	-1813 / 0	-104.9	-104.9	0.29 (1)		4.69
E- F	-1813 / 0	-104.9	-104.9	0.29 (1)		4.69
F- G	-1983 / 0	-104.9	-104.9	0.39 (1)		4.41
G- H	-2231 / 0	-104.9	-104.9	0.42 (1)		4.17
H- I	0 / 40	-104.9	-104.9	0.14 (1)		10.00
Q- B	-2005 / 0	0.0	0.0	0.21 (1)		5.96
J- H	-2005 / 0	0.0	0.0	0.21 (1)		5.96
Q- P	0 / 0	-28.0	-28.0	0.17 (3)		10.00
P- O	0 / 1885	-28.0	-28.0	0.38 (1)		10.00
O- N	0 / 1624	-28.0	-28.0	0.33 (1)		10.00
N- M	0 / 1624	-28.0	-28.0	0.33 (1)		10.00
M- L	0 / 1624	-28.0	-28.0	0.33 (1)		10.00
L- K	0 / 1885	-28.0	-28.0	0.38 (1)		10.00
K- J	0 / 0	-28.0	-28.0	0.17 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-241 / 115	0.08 (1)
C- O	-357 / 0	0.30 (1)
O- D	0 / 375	0.08 (2)
D- N	0 / 385	0.09 (1)
N- E	-557 / 0	0.71 (1)
N- F	0 / 385	0.09 (1)
L- F	0 / 375	0.08 (2)
L- G	-357 / 0	0.30 (1)
K- G	-241 / 115	0.08 (1)
B- P	0 / 1926	0.43 (1)
K- H	0 / 1926	0.43 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.42/1.00 (G-H:1) , BC=0.38/1.00 (K-L:1) , WB=0.71/1.00 (E-N:1) , SSI=0.22/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

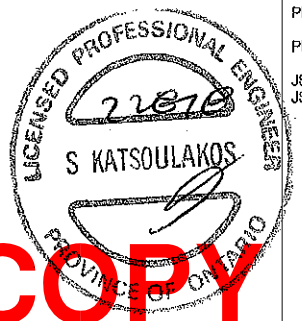
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.47 (P) (INPUT = 1.00)



DWG NO. TAM 11034-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T38	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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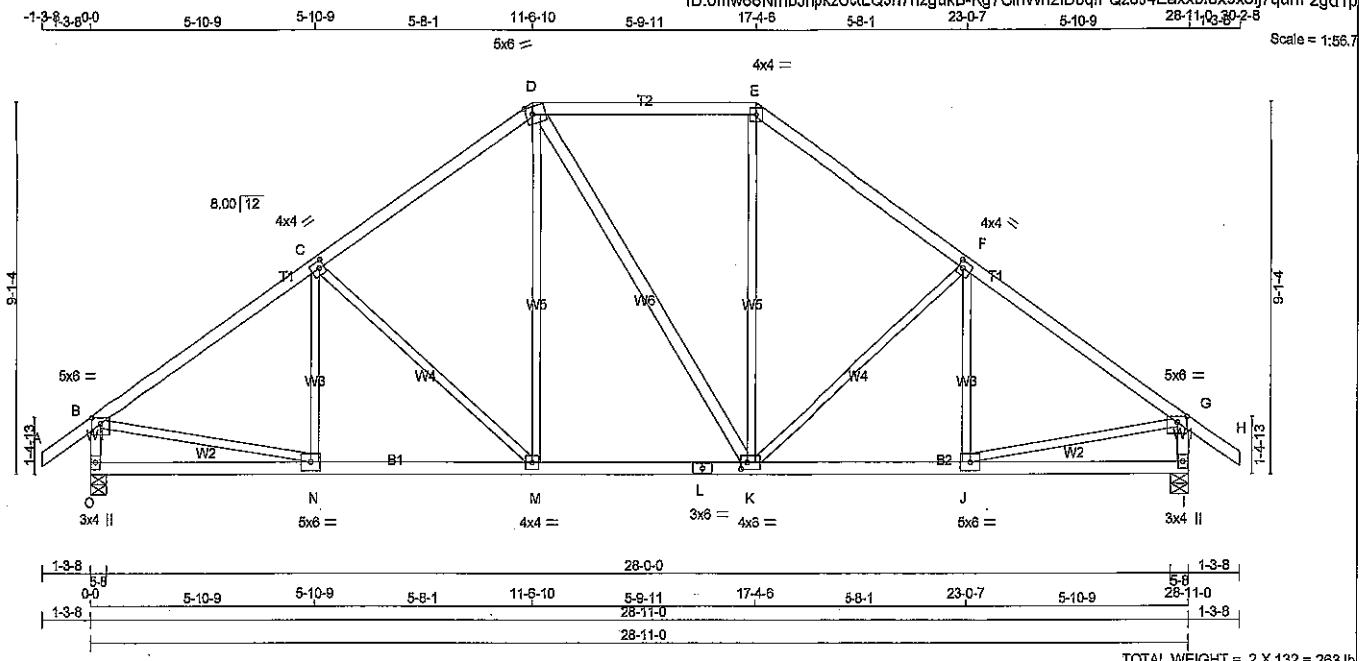

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	1.75	3.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	2.00
E	TTW-I	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMWW-p	MT20	5.0	6.0	1.75	3.00
I	BMV1+p	MT20	3.0	4.0		
J	BMWW-t	MT20	5.0	6.0		
K	BMWWW-t	MT20	4.0	6.0	2.00	2.00
L	BS-t	MT20	3.0	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMWW-t	MT20	5.0	6.0		
O	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
O	2066	0	2066	0	0	5-8	5-8
I	2066	0	2066	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
I	1629	1028 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	CSI	MAX UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00		N- C	-169 / 175	0.07 (1)
B- C	-2245 / 0	-104.9	-104.9	0.57 (1)	3.98		C- M	-506 / 0	0.60 (1)
C- D	-1868 / 0	-104.9	-104.9	0.52 (1)	4.35		M- D	0 / 487	0.11 (1)
D- E	-1525 / 0	-104.9	-104.9	0.49 (1)	4.72		D- K	0 / 1	0.00 (1)
E- F	-1869 / 0	-104.9	-104.9	0.52 (1)	4.35		K- E	0 / 488	0.11 (1)
F- G	-2245 / 0	-104.9	-104.9	0.57 (1)	3.98		K- F	-505 / 0	0.60 (1)
G- H	0 / 40	-104.9	-104.9	0.14 (1)	10.00		J- F	-171 / 174	0.07 (1)
O- B	-1998 / 0	0.0	0.0	0.21 (1)	5.97		B- N	0 / 1933	0.43 (1)
I- G	-1997 / 0	0.0	0.0	0.21 (1)	5.97		J- G	0 / 1933	0.43 (1)
O- N	0 / 0	-28.0	-28.0	0.23 (3)	10.00				
N- M	0 / 1901	-28.0	-28.0	0.43 (2)	10.00				
M- L	0 / 1524	-28.0	-28.0	0.34 (1)	10.00				
L- K	0 / 1524	-28.0	-28.0	0.34 (1)	10.00				
K- J	0 / 1901	-28.0	-28.0	0.43 (2)	10.00				
J- I	0 / 0	-28.0	-28.0	0.23 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.57/1.00 (B-C:1) , BC=0.43/1.00 (M-N:2) , WB=0.60/1.00 (C-M:1) , SSI=0.25/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 (N) (INPUT = 0.90)
JSI METAL= 0.47 (N) (INPUT = 1.00)

[M][F]

DWG NO. TAM 11035-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T39	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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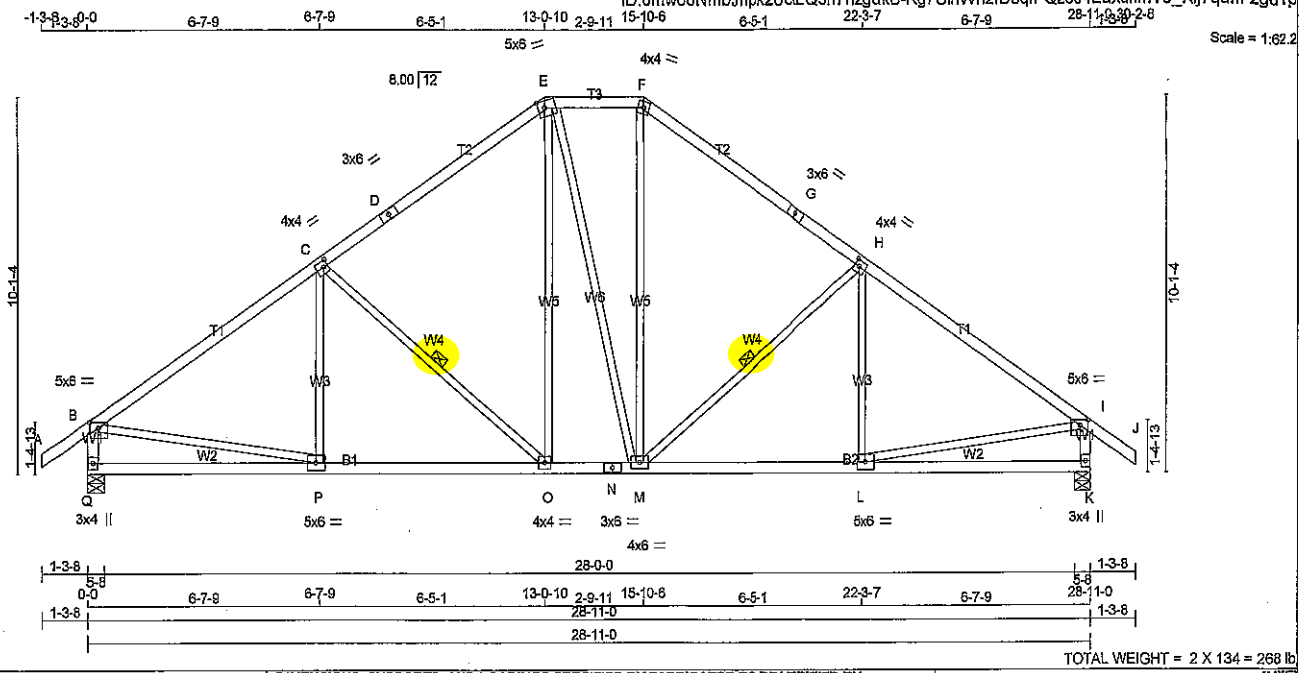


LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - 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	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.25
F	TTW-m	MT20	4.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMWW-t	MT20	4.0	4.0	2.00	1.50
I	TMVW-p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	4.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	5.0	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	2066	0	2066	0	0	5-8	5-8
K	2066	0	2066	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1629	1026 / 0	304 / 0	0 / 0	0 / 0	297 / 0	0 / 0
K	1629	1026 / 0	304 / 0	0 / 0	0 / 0	297 / 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 = 3.70 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-O, H-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 (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 40	-104.9	-104.9	0.14 (1)		10.00
B- C	-2246 / 0	-104.9	-104.9	0.75 (1)		3.70
C- D	-1737 / 0	-104.9	-104.9	0.66 (1)		4.22
D- E	-1737 / 0	-104.9	-104.9	0.66 (1)		4.22
E- F	-1412 / 0	-104.9	-104.9	0.13 (1)		5.37
F- G	-1739 / 0	-104.9	-104.9	0.66 (1)		4.22
G- H	-1739 / 0	-104.9	-104.9	0.66 (1)		4.22
H- I	-2245 / 0	-104.9	-104.9	0.75 (1)		3.71
I- J	0 / 40	-104.9	-104.9	0.14 (1)		10.00
Q- B	-1991 / 0	0.0	0.0	0.21 (1)		5.98
K- I	-1991 / 0	0.0	0.0	0.21 (1)		5.98
Q- P	0 / 0	-28.0	-28.0	0.32 (3)		10.00
P- O	0 / 1907	-28.0	-28.0	0.52 (2)		10.00
O- N	0 / 1410	-28.0	-28.0	0.32 (1)		10.00
N- M	0 / 1410	-28.0	-28.0	0.32 (1)		10.00
M- L	0 / 1906	-28.0	-28.0	0.51 (2)		10.00
L- K	0 / 0	-28.0	-28.0	0.31 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-97 / 247	0.08 (3)
C- O	-657 / 0	0.33 (1)
O- E	0 / 534	0.12 (1)
E- M	0 / 7	0.00 (1)
M- F	0 / 541	0.12 (1)
M- H	-653 / 0	0.33 (1)
L- H	-101 / 245	0.08 (3)
B- P	0 / 1932	0.43 (1)
L- I	0 / 1931	0.43 (1)

[M][F]

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.75/1.00 (B-C:1) , BC=0.52/1.00 (O-P:2) , WB=0.43/1.00 (B-P:1) , SSI=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

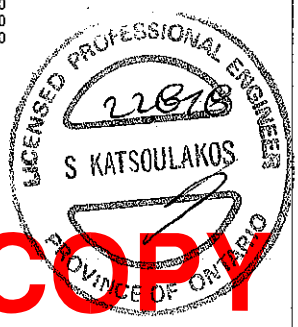
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (P) (INPUT = 0.90)
JSI METAL= 0.48 (P) (INPUT = 1.00)



DWG NO. TAM 1/036-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
287483	T40	1	1	44755 TRUSS DESC.	

Tamarack Roof Truss, Burlington

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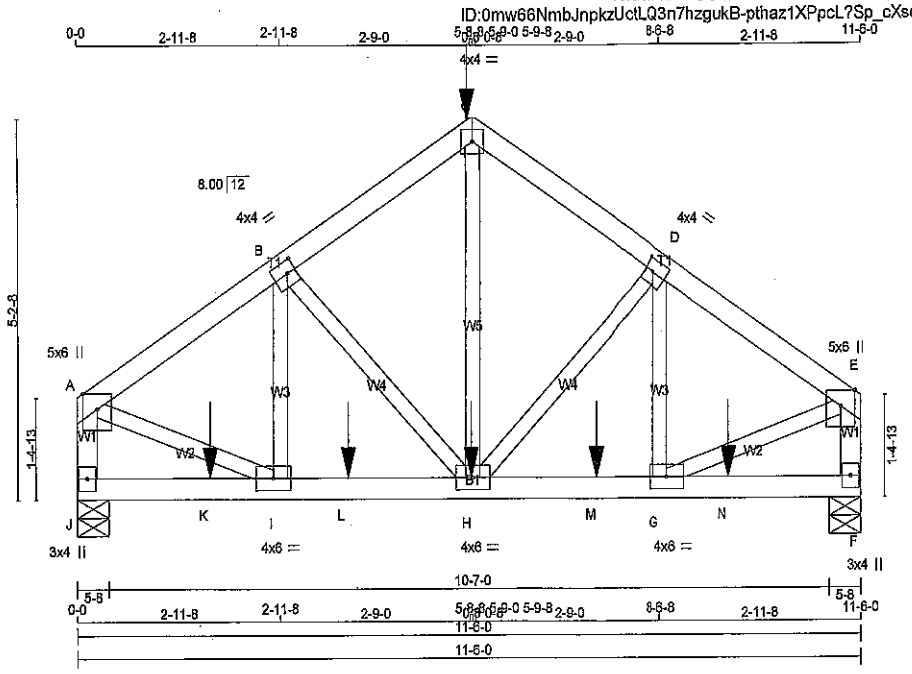

TOTAL WEIGHT = 50 lb

[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
J - A	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
J - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-p	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW+p	MT20	5.0	6.0	Edge	
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	6.0		
H	BMWWW-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	6.0		
J	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1087.5 lbs FACTORED DOWN AT 5-9-0 ON TOP CHORD, AND 90.9 lbs FACTORED DOWN AT 1-11-4, 90.9 lbs FACTORED DOWN AT 3-11-4, 90.9 lbs FACTORED DOWN AT 5-8-12, AND 90.9 lbs FACTORED DOWN AT 7-6-12, AND 90.9 lbs FACTORED DOWN AT 9-6-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1435	0	1435	0	0	5-8	5-8
F	1435	0	1435	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1138	704 / 0	219 / 0	0 / 0	0 / 0	216 / 0	0 / 0
F	1138	704 / 0	219 / 0	0 / 0	0 / 0	216 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1454 / 0	-104.9	-104.9	0.17 (1)		5.22
B- C	-1435 / 0	-104.9	-104.9	0.17 (1)		5.25
C- D	-1435 / 0	-104.9	-104.9	0.17 (1)		5.25
D- E	-1454 / 0	-104.9	-104.9	0.17 (1)		5.22
J- A	-1388 / 0	0.0	0.0	0.16 (1)		6.87
F- E	-1388 / 0	0.0	0.0	0.16 (1)		6.87
J- K	0 / 0	-28.0	-28.0	0.12 (3)		10.00
K- I	0 / 0	-28.0	-28.0	0.12 (3)		10.00
I- L	0 / 1224	-28.0	-28.0	0.26 (1)		10.00
L- H	0 / 1224	-28.0	-28.0	0.26 (1)		10.00
H- M	0 / 1224	-28.0	-28.0	0.26 (1)		10.00
M- G	0 / 1224	-28.0	-28.0	0.26 (1)		10.00
G- N	0 / 0	-28.0	-28.0	0.12 (3)		10.00
N- F	0 / 0	-28.0	-28.0	0.12 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- B	-285 / 118	0.08 (1)
B- H	-116 / 0	0.03 (2)
H- D	-116 / 0	0.03 (2)
G- D	-285 / 118	0.08 (1)
A- I	0 / 1303	0.32 (1)
G- E	0 / 1303	0.32 (1)
H- C	0 / 440	0.11 (2)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	5-9-0	-1088	-1088	---	BACK	VERT	TOTAL
H	5-8-12	-52	-91	---	BACK	VERT	TOTAL
K	1-11-4	-49	-91	---	BACK	VERT	TOTAL
L	3-11-4	-52	-91	---	BACK	VERT	TOTAL
M	7-6-12	-52	-91	---	BACK	VERT	TOTAL
N	9-6-12	-49	-91	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.38")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.17/1.00 (A-B:1) , BC=0.26/1.00 (G-H:1) , WB=0.32/1.00 (E-G:1) , SSI=0.14/1.00 (I-J:3)

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

COMPANION LIVE LOAD FACTOR = 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 (A) (INPUT = 0.90)
JSI METAL= 0.31 (I) (INPUT = 1.00)

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SITE COPY

DWG NO. TAM 11037-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T41	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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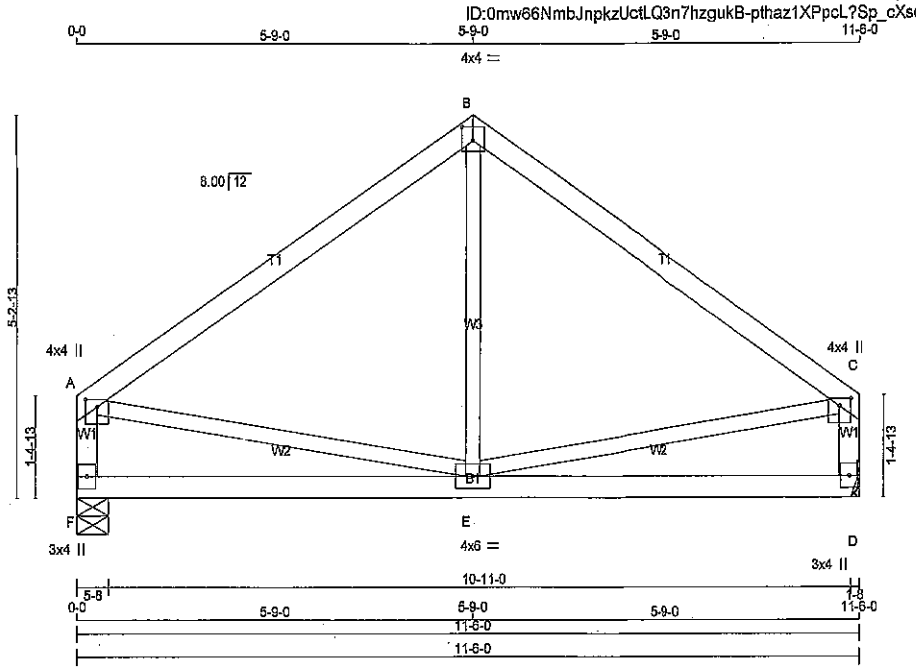

TOTAL WEIGHT = 44 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	764	0	764	0	0	5-8	5-8
D	764	0	764	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	609	373 / 0	121 / 0	0 / 0	0 / 0	115 / 0	0 / 0
D	609	373 / 0	121 / 0	0 / 0	0 / 0	115 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS 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	-564 / 0	-104.9	-104.9	0.45 (1)	6.25	E- B	0 / 264	0.06 (3)
B- C	-564 / 0	-104.9	-104.9	0.45 (1)	6.25	A- E	0 / 478	0.11 (1)
F- A	-703 / 0	0.0	0.0	0.07 (1)	7.81	E- C	0 / 478	0.11 (1)
D- C	-703 / 0	0.0	0.0	0.07 (1)	7.81			
F- E	0 / 0	-28.0	-28.0	0.27 (3)	10.00			
E- D	0 / 0	-28.0	-28.0	0.27 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.38")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.45/1.00 (B-C:1) , BC=0.27/1.00 (E-F:3) , WB=0.11/1.00 (A-E:1) , SSI=0.20/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (E) (INPUT = 0.90)
JSI METAL= 0.17 (A) (INPUT = 1.00)

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DWG NO. TAM 1/038-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T42	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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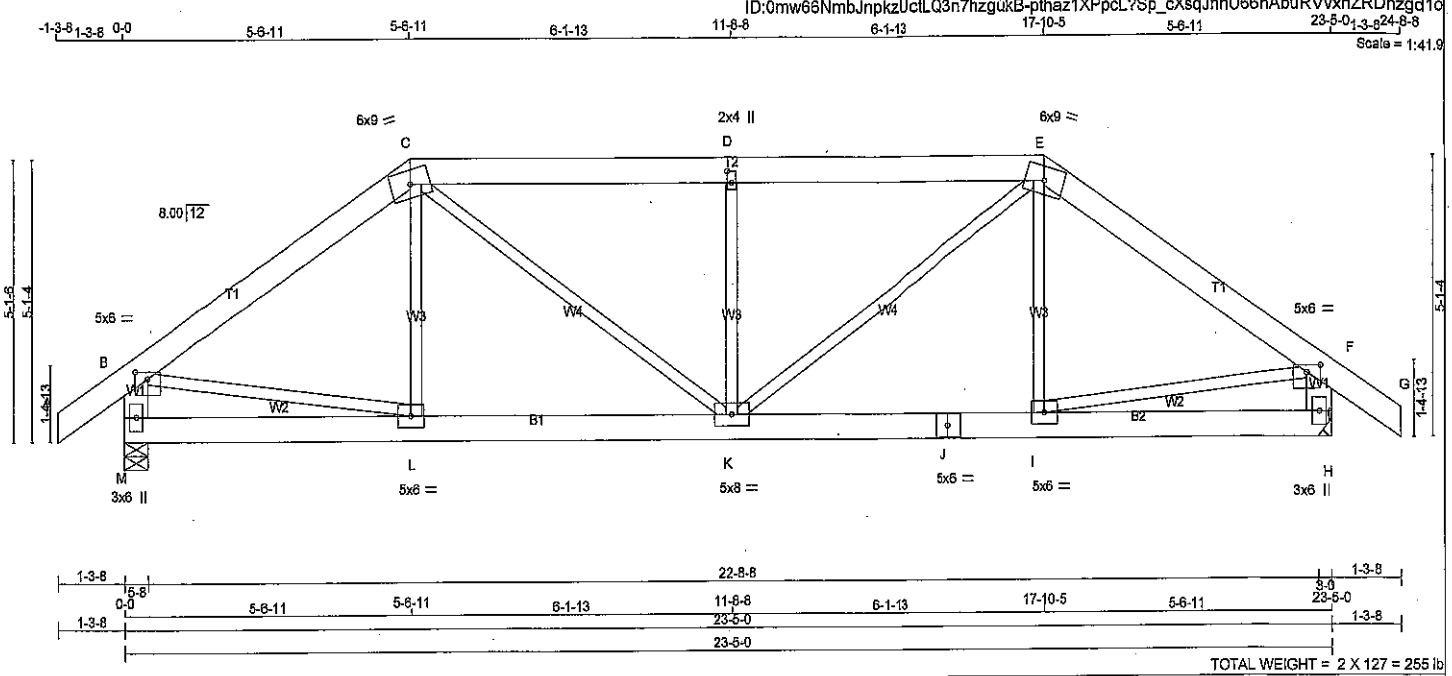

TOTAL WEIGHT = 2 X 127 = 255 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(79.3)
C- E	2	12	SIDE(95.5)
E- G	2	12	SIDE(79.3)
M- B	2	12	TOP
H- F	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
M- J	2	12	TOP
J- H	2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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	1.50	3.00
C	TTWW-m	MT20	6.0	9.0		
D	TMW+w	MT20	2.0	4.0	2.50	1.00
E	TTWW-m	MT20	6.0	9.0		
F	TMVW-p	MT20	5.0	6.0	1.50	3.00
H	BMV1+p	MT20	3.0	6.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	5.0	6.0		
K	BMWWW-t	MT20	5.0	8.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	3943	0	3943	0	0	5-8	5-8
H	3943	0	3943	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	3124	1946 / 0	599 / 0	0 / 0	0 / 0	579 / 0	0 / 0
H	3124	1946 / 0	599 / 0	0 / 0	0 / 0	579 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.54 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 41	-104.9	-104.9	0.04 (1)	10.00	L- C	-356 / 86	0.06 (1)
B- C	-4220 / 0	-296.0	-296.0	0.47 (1)	4.97	C- K	0 / 1925	0.24 (1)
C- D	-5035 / 0	-296.0	-296.0	0.52 (1)	4.54	K- D	-2186 / 0	0.38 (1)
D- E	-5035 / 0	-296.0	-296.0	0.52 (1)	4.54	K- E	0 / 1925	0.24 (1)
E- F	-4220 / 0	-296.0	-296.0	0.47 (1)	4.97	I- E	-356 / 86	0.06 (1)
F- G	0 / 41	-104.9	-104.9	0.04 (1)	10.00	B- L	0 / 3549	0.44 (1)
M- B	-3677 / 0	0.0	0.0	0.14 (1)	7.19	I- F	0 / 3549	0.44 (1)
H- F	-3677 / 0	0.0	0.0	0.14 (1)	7.19			
M- L	0 / 0	-28.0	-28.0	0.06 (3)	10.00			
L- K	0 / 3497	-28.0	-28.0	0.27 (1)	10.00			
K- J	0 / 3497	-28.0	-28.0	0.27 (1)	10.00			
J- I	0 / 3497	-28.0	-28.0	0.27 (1)	10.00			
I- H	0 / 0	-28.0	-28.0	0.06 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

GIRDER TYPE: CStdGirder
START DISTANCE = 0-0
START SPAN CARRIED = 8-0-0
END DISTANCE = 23-5-0
END SPAN CARRIED = 8-0-0
END WALL WIDTH = 3-0
APPLIED TO FRONT SIDE OF TOP CHORD.
- ADDT'L LOADS BASED ON 55 % OF GSL.

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.52/1.00 (C-D:1) , BC=0.27/1.00 (I-K:1) , WB=0.44/1.00 (F-I:1) , SSI=0.37/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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= 0.83 (F) (INPUT = 0.90)
JSI METAL= 0.44 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11039-13
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T43	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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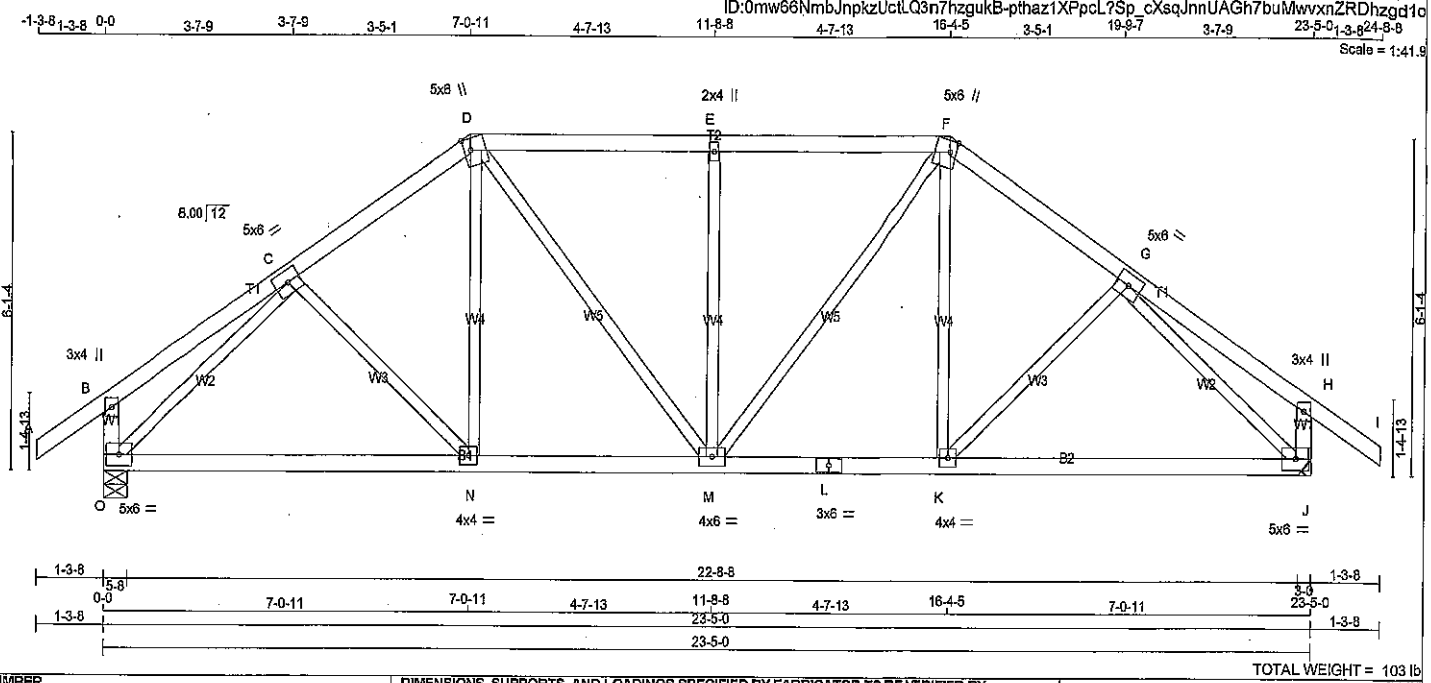

TOTAL WEIGHT = 103 lb

[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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	2.50	1.50
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.50	1.50
G	TMWW-t	MT20	5.0	6.0		
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	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	REQRD BRG
O	1700	0	1700	0	0	5-8	5-8
J	1700	0	1700	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1338	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0
J	1338	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	C- N	-30 / 111	0.02 (3)
B- C	0 / 22	-104.9	-104.9	0.19 (1)	10.00	N- D	0 / 314	0.07 (2)
C- D	-1639 / 0	-104.9	-104.9	0.18 (1)	5.02	D- M	0 / 426	0.10 (1)
D- E	-1613 / 0	-104.9	-104.9	0.31 (1)	4.88	M- E	-593 / 0	0.35 (1)
E- F	-1613 / 0	-104.9	-104.9	0.31 (1)	4.88	M- F	0 / 426	0.10 (1)
F- G	-1639 / 0	-104.9	-104.9	0.18 (1)	5.02	K- F	0 / 314	0.07 (2)
G- H	0 / 22	-104.9	-104.9	0.19 (1)	10.00	K- G	-30 / 111	0.02 (3)
H- I	0 / 40	-104.9	-104.9	0.14 (1)	10.00	O- C	-1905 / 0	0.73 (1)
O- B	-289 / 0	0.0	0.0	0.03 (1)	7.81	G- J	-1905 / 0	0.73 (1)
J- H	-289 / 0	0.0	0.0	0.03 (1)	7.81			
O- N	0 / 1365	-28.0	-28.0	0.45 (2)	10.00			
N- M	0 / 1347	-28.0	-28.0	0.46 (2)	10.00			
M- L	0 / 1347	-28.0	-28.0	0.46 (2)	10.00			
L- K	0 / 1347	-28.0	-28.0	0.46 (2)	10.00			
K- J	0 / 1365	-28.0	-28.0	0.45 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.76")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.31/1.00 (D-E:1) , BC=0.46/1.00 (K-M:2) , WB=0.73/1.00 (C-O:1) , SSI=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (O) (INPUT = 0.90)
JSI METAL= 0.47 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
2018
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11040-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T44	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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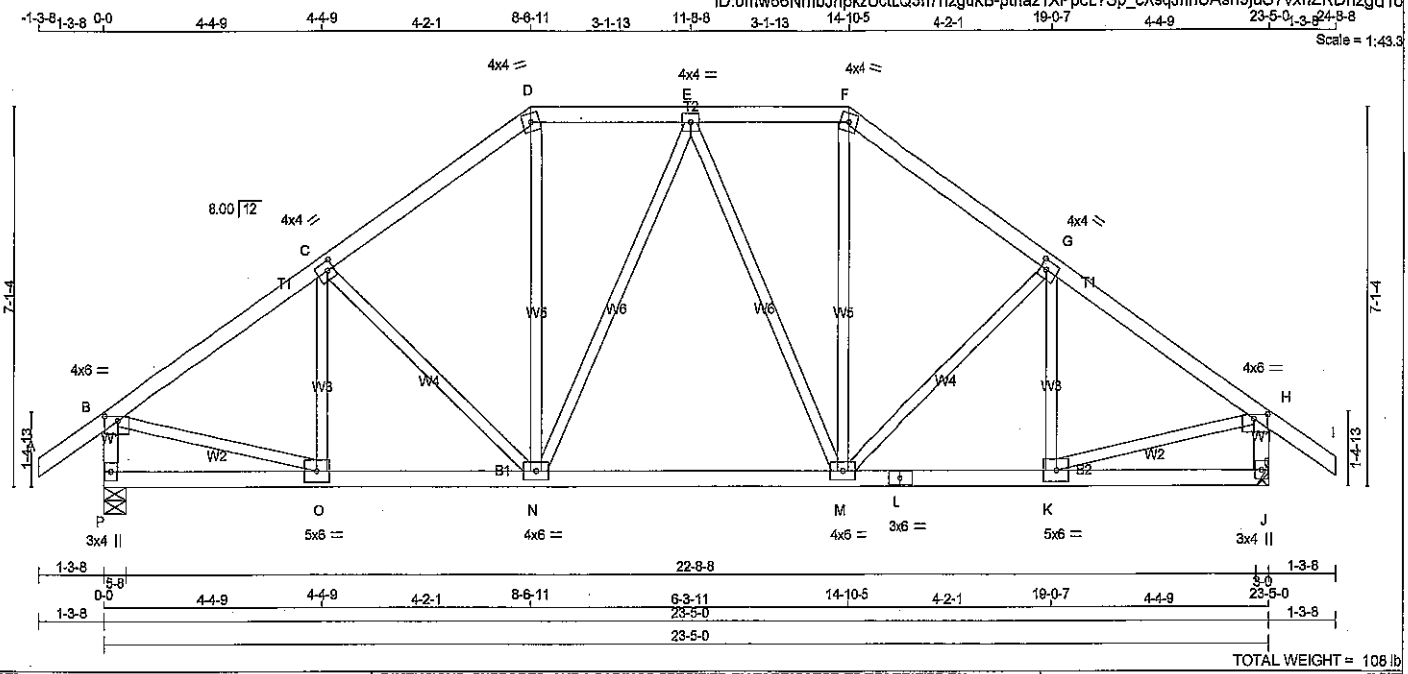


LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	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 - 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	TMVW-p	MT20	4.0	6.0	1.00	3.25
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMWW-t	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	4.0	6.0	1.00	3.25
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BMWWW-t	MT20	4.0	6.0		
O	BMWW-t	MT20	5.0	6.0		
P	BMV1+p	MT20	3.0	4.0		

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

[M][F]

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
P	1700	0	1700	0	0	5-8	5-8
J	1700	0	1700	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-0	IN-SX

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1338	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0
J	1338	850 / 0	246 / 0	0 / 0	0 / 0	242 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	WEBS MEMB. FR-TO	MAX. UNBRAC LENGTH	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00	O- C	-238 / 67		0.07 (1)
B- C	-1713 / 0	-104.9	-104.9	0.28 (1)	4.82	C- N	-273 / 0		0.16 (1)
C- D	-1534 / 0	-104.9	-104.9	0.27 (1)	5.04	N- D	0 / 535		0.12 (1)
D- E	-1258 / 0	-104.9	-104.9	0.13 (1)	5.60	N- E	-213 / 0		0.24 (1)
E- F	-1258 / 0	-104.9	-104.9	0.13 (1)	5.60	E- M	-213 / 0		0.24 (1)
F- G	-1534 / 0	-104.9	-104.9	0.27 (1)	5.04	M- F	0 / 535		0.12 (1)
G- H	-1713 / 0	-104.9	-104.9	0.28 (1)	4.82	M- G	-273 / 0		0.16 (1)
H- I	0 / 40	-104.9	-104.9	0.14 (1)	10.00	K- G	-238 / 67		0.07 (1)
P- B	-1646 / 0	0.0	0.0	0.17 (1)	6.45	B- O	0 / 1492		0.34 (1)
J- H	-1646 / 0	0.0	0.0	0.17 (1)	6.45	K- H	0 / 1492		0.34 (1)
P- O	0 / 0	-28.0	-28.0	0.12 (2)	10.00				
O- N	0 / 1449	-28.0	-28.0	0.33 (1)	10.00				
N- M	0 / 1345	-28.0	-28.0	0.31 (2)	10.00				
M- L	0 / 1449	-28.0	-28.0	0.33 (1)	10.00				
L- K	0 / 1449	-28.0	-28.0	0.33 (1)	10.00				
K- J	0 / 0	-28.0	-28.0	0.12 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.76")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.76")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.28/1.00 (G-H:1) , BC=0.33/1.00 (K-M:1) , WB=0.34/1.00 (H-K:1) , SSI=0.18/1.00 (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 .

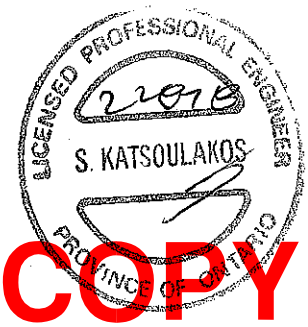
NAIL VALUES

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= 0.84 (B) (INPUT = 0.90)
JSI METAL= 0.40 (B) (INPUT = 1.00)



SITE COPY

DWG NO. TAM 11041-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T45	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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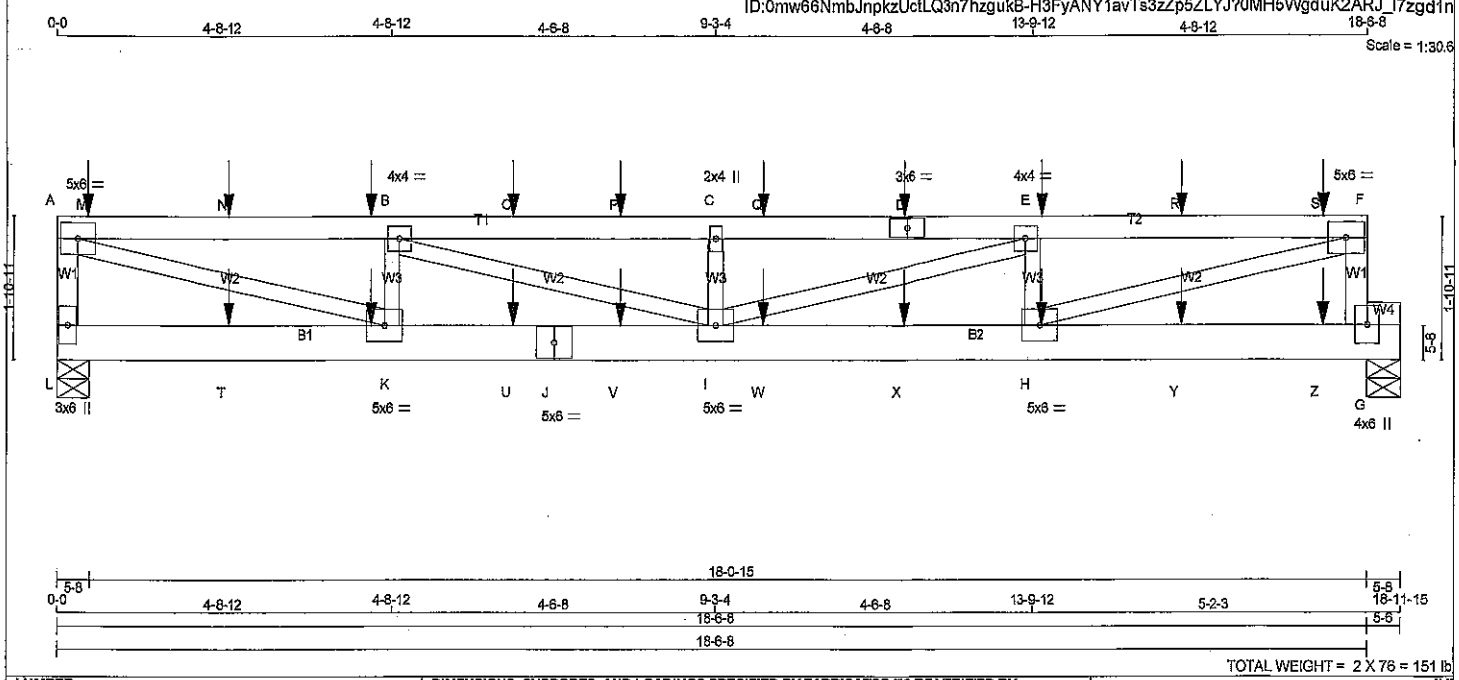


TOTAL WEIGHT = 2 X 76 = 151 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)		LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
L- A	1	12	TOP
A- D	1	12	SIDE(61.0)
D- F	1	12	SIDE(61.0)
F- G	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
L- J	2	12	SIDE(183.1)
J- G	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
H- E	1	6	SIDE(3.7)
K- B	1	6	SIDE(3.7)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

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

HANGERS NOTES

1)

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
L	1330	0	1330	0	0	5-8	5-8
G	1330	0	1330	0	0	5-8 (5-7)	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1063	647 / 0	214 / 0	0 / 0	0 / 0	202 / 0	0 / 0
G	1069	641 / 0	222 / 0	0 / 0	0 / 0	207 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

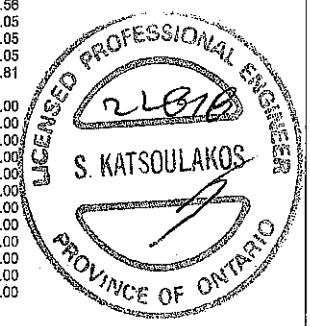
LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- A	-1235 / 0	0.0	0.0	0.07 (1)		7.81	H- F	0 / 3253	0.40 (1)
A- M	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05	A- K	0 / 3254	0.40 (1)
M- N	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05	H- E	-863 / 0	0.07 (1)
N- B	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05	K- B	-864 / 0	0.07 (1)
B- O	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56	I- E	0 / 905	0.11 (1)
O- P	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56	B- I	0 / 905	0.11 (1)
P- C	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56	I- C	-449 / 0	0.04 (1)
C- Q	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56			
Q- D	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56			
D- E	-3957 / 0	-104.9	-104.9	0.23 (1)		4.56			
E- R	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05			
R- S	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05			
S- F	-3098 / 0	-104.9	-104.9	0.21 (1)		5.05			
G- F	-1226 / 0	0.0	0.0	0.07 (1)		7.81			
L- T	0 / 0	-28.0	-28.0	0.06 (1)		10.00			
T- K	0 / 0	-28.0	-28.0	0.06 (1)		10.00			
K- U	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
U- J	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
J- V	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
V- I	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
I- W	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
W- X	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
X- H	0 / 3098	-28.0	-28.0	0.28 (1)		10.00			
H- Y	0 / 0	-28.0	-28.0	0.06 (2)		10.00			
Y- Z	0 / 0	-28.0	-28.0	0.06 (2)		10.00			
Z- G	0 / 0	-28.0	-28.0	0.06 (2)		10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	4-5-4	-8	-8	---	BACK	VERT	TOTAL
D	11-11-4	-8	-8	---	BACK	VERT	TOTAL
E	13-11-4	-8	-8	---	BACK	VERT	TOTAL
H	13-11-4	-6	-11	---	BACK	VERT	TOTAL
K	4-5-4	-6	-11	---	BACK	VERT	TOTAL
M	5-4	-38	-38	---	BACK	VERT	TOTAL
N	2-5-4	-8	-8	---	BACK	VERT	TOTAL
O	6-5-4	-8	-8	---	BACK	VERT	TOTAL



DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.62")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.23/1.00 (B-C:1) , BC=0.28/1.00 (I-K:1) , WB=0.40/1.00 (A-K:1) , SSI=0.13/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (A) (INPUT = 0.90)
JSI METAL= 0.39 (K) (INPUT = 1.00)

DWG NO. TAM 1042-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T45	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:0mw66NmbJnpkzUctLQ3n7hzgukB-H3FyANY1avTs3zZp5ZLYJ?0MH5WgduK2ARJ_l7zgd1n

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 37.9 lbs FACTORED DOWN AT 5-4, 8.4 lbs FACTORED DOWN AT 2-5-4, 8.4 lbs FACTORED DOWN AT 4-5-4, 8.4 lbs FACTORED DOWN AT 6-5-4, 8.4 lbs FACTORED DOWN AT 7-11-4, 8.4 lbs FACTORED DOWN AT 9-11-4, 8.4 lbs FACTORED DOWN AT 11-11-4, 8.4 lbs FACTORED DOWN AT 13-11-4, AND 8.4 lbs FACTORED DOWN AT 15-11-4, AND 29.1 lbs FACTORED DOWN AT 17-11-4 ON TOP CHORD, AND 10.8 lbs FACTORED DOWN AT 2-5-4, 10.8 lbs FACTORED DOWN AT 4-5-4, 10.8 lbs FACTORED DOWN AT 6-5-4, 10.8 lbs FACTORED DOWN AT 7-11-4, 10.8 lbs FACTORED DOWN AT 9-11-4, 10.8 lbs FACTORED DOWN AT 11-11-4, 10.8 lbs FACTORED DOWN AT 13-11-4, AND 10.8 lbs FACTORED DOWN AT 15-11-4, AND 20.5 lbs FACTORED DOWN AT 17-11-4 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
P	7-11-4	-8	-8	—	BACK	VERT	TOTAL
Q	9-11-4	-8	-8	—	BACK	VERT	TOTAL
R	15-11-4	-8	-8	—	BACK	VERT	TOTAL
S	17-11-4	-29	-29	—	BACK	VERT	TOTAL
T	2-5-4	-6	-11	—	BACK	VERT	TOTAL
U	6-5-4	-6	-11	—	BACK	VERT	TOTAL
V	7-11-4	-6	-11	—	BACK	VERT	TOTAL
W	9-11-4	-6	-11	—	BACK	VERT	TOTAL
X	11-11-4	-6	-11	—	BACK	VERT	TOTAL
Y	15-11-4	-6	-11	—	BACK	VERT	TOTAL
Z	17-11-4	-12	-21	—	BACK	VERT	TOTAL

DWG NO. TAM1/042-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T100	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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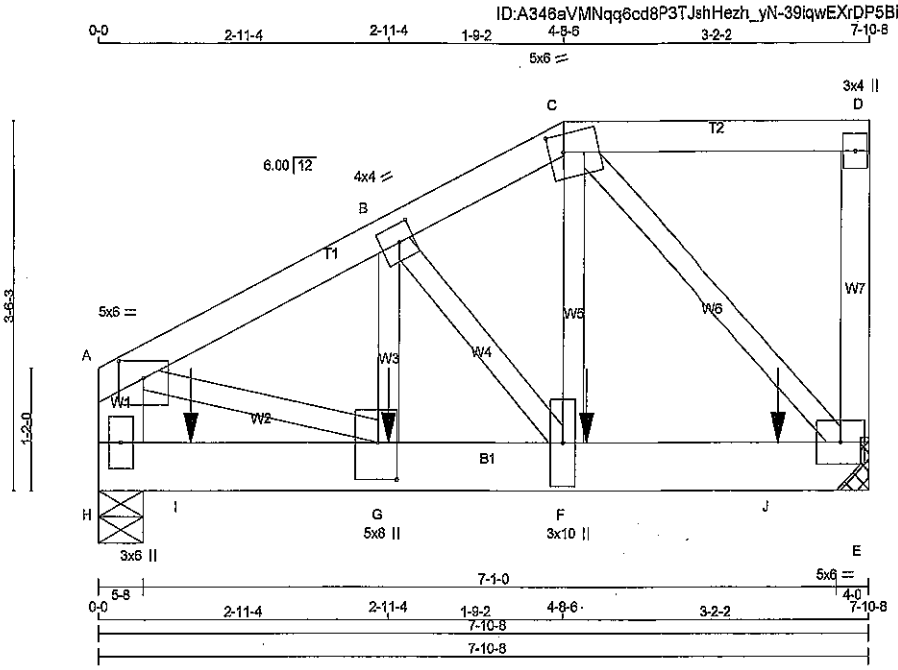

TOTAL WEIGHT = 2 X 39 = 78 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- D	1	12	TOP
D- E	1	12	TOP
H- A	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
H- E	2	11	SIDE(244.1)
WEBS : (0.122"X3") SPIRAL NAILS			
G- B	1	2	SIDE(406.4)
C- F	1	6	SIDE(111.2)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	2.00	3.00
B	TMWW-t	MT20	4.0	4.0	2.00	1.75
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMV+p	MT20	3.0	4.0		
E	BMVW1-t	MT20	5.0	6.0		
F	BMWW+t	MT20	3.0	10.0		
G	BMWW+t	MT20	5.0	8.0	4.25	2.25
H	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 93.2 lbs FACTORED DOWN AT 11-4, 2493.6 lbs FACTORED DOWN AT 2-11-4, AND 1362.2 lbs FACTORED DOWN AT 4-11-4, AND 1363.1 lbs FACTORED DOWN AT 6-11-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
E	3496	0	3496	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 4-0	
H	2863	0	2863	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	2748	1749 / 0	502 / 0	0 / 0	0 / 0	497 / 0	0 / 0
H	2235	1449 / 0	391 / 0	0 / 0	0 / 0	395 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-3824 / 0	-104.9	-104.9	0.14 (1)	4.82	G- B	0 / 1308		0.16 (1)
B- C	-2604 / 0	-104.9	-104.9	0.06 (1)	5.58	A- G	0 / 3350		0.41 (1)
C- D	0 / 0	-104.9	-104.9	0.10 (1)	10.00	F- C	0 / 3313		0.41 (1)
E- D	-167 / 0	0.0	0.0	0.02 (1)	7.81	C- E	-3425 / 0		0.52 (1)
H- A	-2633 / 0	0.0	0.0	0.09 (1)	7.81	B- F	-1424 / 0		0.14 (1)
H- I	0 / 0	-28.0	-28.0	0.13 (1)	10.00				
I- G	0 / 0	-28.0	-28.0	0.13 (1)	10.00				
G- F	0 / 3239	-28.0	-28.0	0.35 (1)	10.00				
F- J	0 / 2439	-28.0	-28.0	0.47 (1)	10.00				
J- E	0 / 2439	-28.0	-28.0	0.47 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
F	4-11-4	-1362	-1362	---	FRONT	VERT	TOTAL
G	2-11-4	-2494	-2494	---	FRONT	VERT	TOTAL
I	11-4	-93	-93	---	FRONT	VERT	TOTAL
J	6-11-4	-1363	-1363	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.14/1.00 (A-B:1) , BC=0.47/1.00 (E-F:1) , WB=0.52/1.00 (C-E:1) , SSI=0.31/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.54 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEERS
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 110/2-17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	T101	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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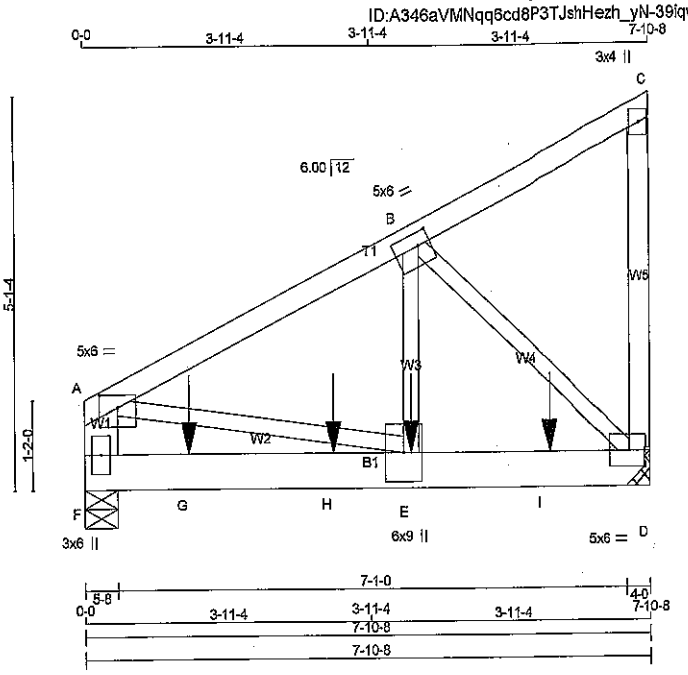

TOTAL WEIGHT = 2 X 39 = 78 lb [M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
F- A	2	12	TOP
A- C	1	12	TOP
C- D	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
F- D	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
B- E	1	3	SIDE(370.0)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	2.00	3.00
B	TMWW-t	MT20	5.0	6.0	2.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-t	MT20	5.0	6.0	2.50	2.75
E	BMWW+t	MT20	6.0	9.0		
F	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1362.2 lbs FACTORED DOWN AT 1-5-4, 1362.2 lbs FACTORED DOWN AT 3-5-4, AND 2120.1 lbs FACTORED DOWN AT 4-6-0, AND 1673.7 lbs FACTORED DOWN AT 6-5-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	3619	0	3619	0	0	5-8	5-8
D	3946	0	3946	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 4-0	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	2846	1809 / 0	522 / 0	0 / 0	0 / 0	515 / 0	0 / 0
D	3093	1985 / 0	555 / 0	0 / 0	0 / 0	553 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.60 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- A	-2557 / 0	0.0	0.0	0.09 (1)	7.81	A- E	0 / 3554	0.44 (1)
A- B	-3901 / 0	-104.9	-104.9	0.22 (1)	4.60	E- B	0 / 4399	0.54 (1)
B- C	-20 / 1	-104.9	-104.9	0.11 (1)	6.25	B- D	-4703 / 0	0.76 (1)
D- C	-133 / 0	0.0	0.0	0.03 (1)	7.81			
F- G	0 / 0	-28.0	-28.0	0.55 (1)	10.00			
G- H	0 / 0	-28.0	-28.0	0.55 (1)	10.00			
H- E	0 / 0	-28.0	-28.0	0.55 (1)	10.00			
E- I	0 / 3502	-28.0	-28.0	0.64 (1)	10.00			
I- D	0 / 3502	-28.0	-28.0	0.64 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
E	4-6-0	-2120	-2120	—	BACK	VERT	TOTAL
G	1-5-4	-1362	-1362	—	BACK	VERT	TOTAL
H	3-5-4	-1362	-1362	—	BACK	VERT	TOTAL
I	6-5-4	-1674	-1674	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/ 979 (0.10")

CSI: TC=0.22/1.00 (A-B:1) , BC=0.64/1.00 (D-E:1) , WB=0.76/1.00 (B-D:1) , SSI=0.59/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.46 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11013 -1B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	T200	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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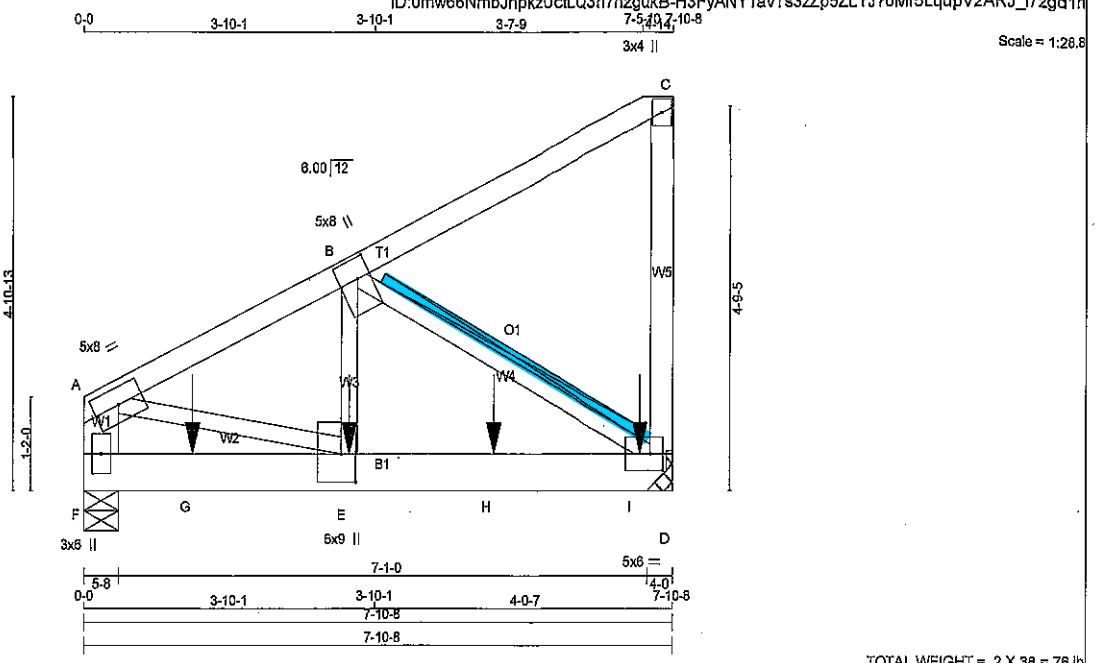

TOTAL WEIGHT = 2 X 38 = 76 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	1	12	TOP
C- D	1	7	SIDE(72.1)
F- A	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
F- D	2	5	SIDE(549.3)
WEBS : (0.122"X3") SPIRAL NAILS			
B- E	1	2	SIDE(471.8)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	8.0		
B	TMWW+t	MT20	5.0	8.0	3.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-t	MT20	5.0	6.0	2.50	2.00
E	BMWW+t	MT20	6.0	9.0	4.25	2.25
F	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 736.3 lbs FACTORED DOWN AT 1-5-4, 3914.6 lbs FACTORED DOWN AT 3-6-0, AND 1672.4 lbs FACTORED DOWN AT 5-5-4, AND 1680.3 lbs FACTORED DOWN AT 7-5-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
D	5139	0	5139	0	0	IN-SX HANGER BY OTHERS MIN. SEAT SIZE: 4-0	IN-SX
F	3911	0	3911	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE MAX./MIN. COMPONENT REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	4034	2578 / 0	731 / 0	0 / 0	0 / 0	726 / 0	0 / 0
F	3079	1952 / 0	568 / 0	0 / 0	0 / 0	559 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.04 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 B-D

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)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-5380 / 0	-104.9	-104.9	0.20 (1)	4.04		E- B	0 / 4723	0.58 (1)
B- C	-12 / 2	-104.9	-104.9	0.15 (1)	6.25		B- D	-5571 / 0	0.71 (1)
D- C	-203 / 0	0.0	0.0	0.04 (1)	7.81		A- E	0 / 4942	0.61 (1)
F- A	-3630 / 0	0.0	0.0	0.13 (1)	7.37				
F- G	0 / 0	-28.0	-28.0	0.26 (1)	10.00				
G- E	0 / 0	-28.0	-28.0	0.26 (1)	10.00				
E- H	0 / 4826	-28.0	-28.0	0.98 (1)	10.00				
H- I	0 / 4826	-28.0	-28.0	0.98 (1)	10.00				
I- D	0 / 4826	-28.0	-28.0	0.98 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
E	3-6-0	-3915	-3915	—	BACK	VERT	TOTAL
G	1-5-4	-736	-736	—	BACK	VERT	TOTAL
H	5-5-4	-1672	-1672	—	BACK	VERT	TOTAL
I	7-5-4	-1680	-1680	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/ 803 (0.12")

CSI: TC=0.20/1.00 (A-B:1) , BC=0.98/1.00 (D-E:1) , WB=0.71/1.00 (B-D:1) , SSI=0.71/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (E) (INPUT = 0.90)
JSI METAL= 0.68 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 2018 S. KATSOULAKOS PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11043 -17B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287481	J1S	9	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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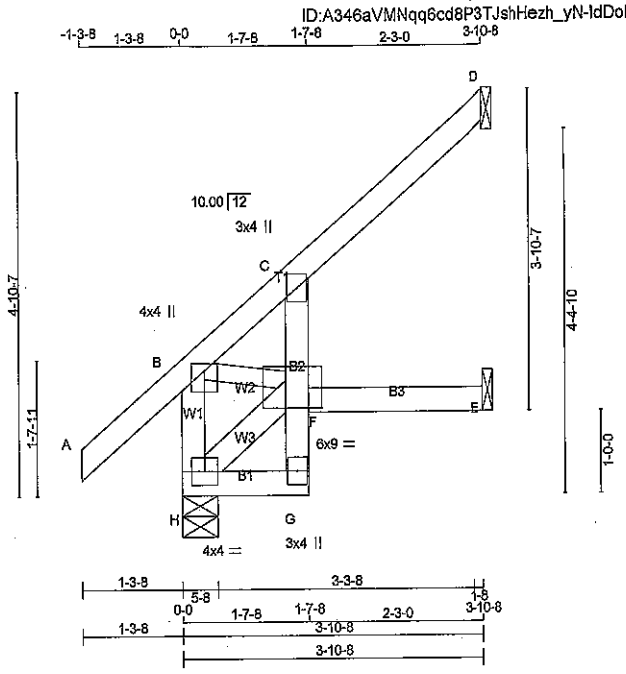

TOTAL WEIGHT = 9 X 19 = 171 lb

[M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
F	BVMWW-I	MT20	6.0	9.0	4.00	5.50
G	BMV+p	MT20	3.0	4.0		
H	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
H	429	0	429	0	0	5-8	5-8
D	198	0	198	0	-6	1-8	1-8
E	34	0	59	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) D , E

PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	321	232 / 0	41 / 0	0 / 0	0 / 0	49 / 0	0 / 0
D	146	110 / -16	16 / 0	0 / 0	0 / 0	20 / 0	0 / 0
E	42	0 / 0	25 / 0	0 / 0	0 / 0	17 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
H- B	-405 / 0	0.0	0.0	0.04 (1)	7.81
A- B	0 / 47	-104.9	-104.9	0.14 (1)	10.00
B- C	-114 / 0	-104.9	-104.9	0.23 (1)	6.25
C- D	-8 / 43	-104.9	-104.9	0.26 (1)	10.00
H- G	0 / 4	-28.0	-28.0	0.02 (3)	10.00
G- F	0 / 36	0.0	0.0	0.01 (1)	10.00
F- C	0 / 95	0.0	0.0	0.02 (2)	10.00
F- E	0 / 0	-28.0	-28.0	0.05 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- F	-5 / 0	0.00 (1)
B- F	-9 / 0	0.00 (2)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 662 (0.07")

CSI: TC=0.26/1.00 (C-D:1) , BC=0.05/1.00 (E-F:3) , WB=0.00/1.00 (B-F:2) , SSI=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.31 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
22918
S. KATSOULAKOS
PROVINCE OF ONTARIO

SITE COPY

DWG NO. TAM 11014-1B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 44755	DRWG NO.
287483	J30S	9	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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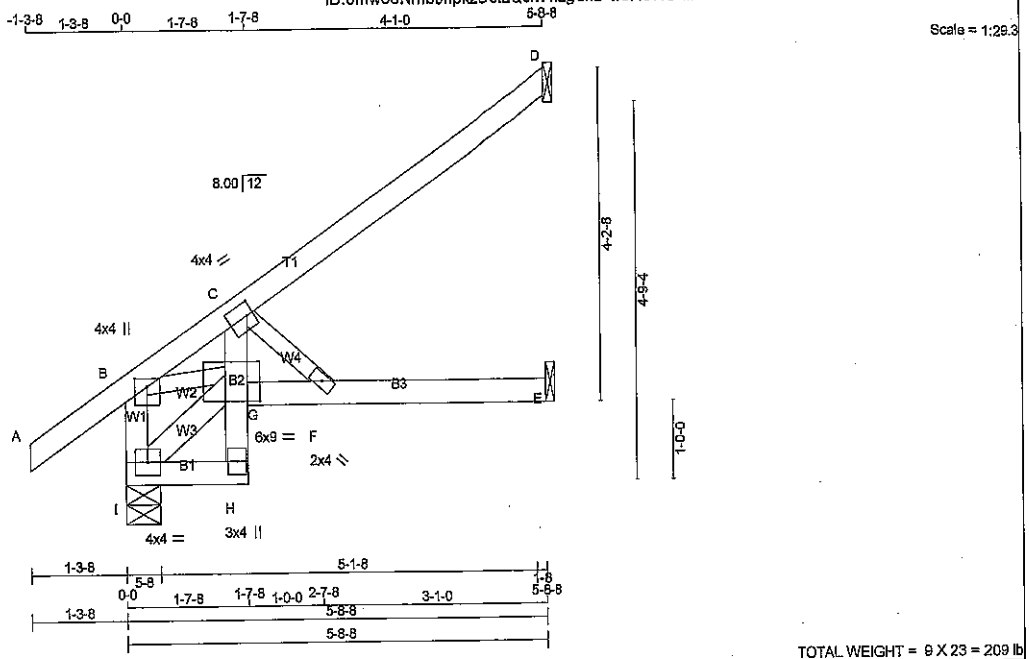

TOTAL WEIGHT = 9 X 23 = 209 lb [M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.00
F	BMW+w	MT20	2.0	4.0		
G	BVMWW-I	MT20	6.0	9.0	4.00	5.50
H	BMV+p	MT20	3.0	4.0		
I	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
I	541	0	541	0	0	5-8	5-8
D	220	0	220	0	0	1-8	1-8
E	142	0	148	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) D , E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	412	285 / 0	60 / 0	0 / 0	0 / 0	66 / 0	0 / 0
D	156	129 / 0	9 / 0	0 / 0	0 / 0	18 / 0	0 / 0
E	135	45 / 0	51 / 0	0 / 0	0 / 0	38 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 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 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
I- B	-503 / 0	0.0	0.0	0.05 (1)	7.81
A- B	0 / 40	-104.9	-104.9	0.14 (1)	10.00
B- C	-470 / 0	-104.9	-104.9	0.14 (1)	6.25
C- D	0 / 11	-104.9	-104.9	0.31 (1)	10.00
I- H	0 / 22	-28.0	-28.0	0.02 (2)	10.00
H- G	0 / 36	0.0	0.0	0.04 (1)	10.00
G- C	0 / 367	0.0	0.0	0.09 (1)	10.00
G- F	0 / 435	-28.0	-28.0	0.48 (1)	10.00
F- E	0 / 0	-28.0	-28.0	0.41 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- G	-28 / 0	0.00 (1)
B- G	0 / 363	0.08 (1)
C- F	-534 / 0	0.08 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 753 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 464 (0.15")

CSI: TC=0.31/1.00 (C-D:1) , BC=0.48/1.00 (F-G:1) , WB=0.08/1.00 (B-G:1) , SSI=0.22/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.49 (B) (INPUT = 0.90)
JSI METAL= 0.30 (F) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 11044-18
STRUCTURAL
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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:

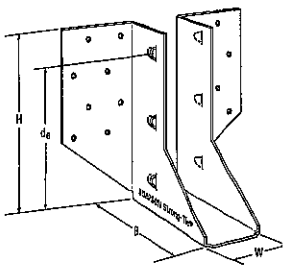
- Factored resistances are in accordance with CSA O86 -14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these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

Installation:

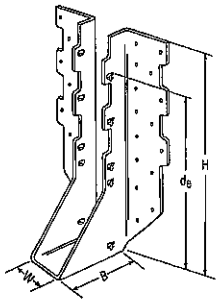
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

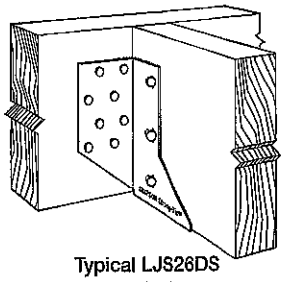
- See current catalogue for options



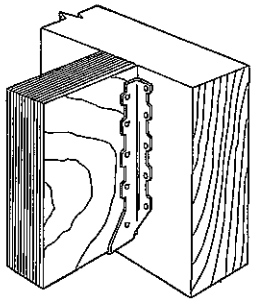
LJS26DS



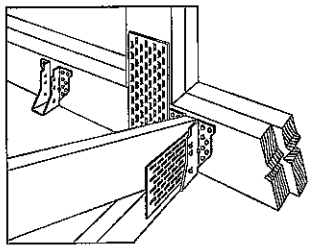
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS Installation



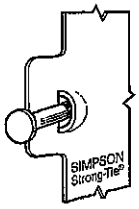
Typical HUS Installation



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

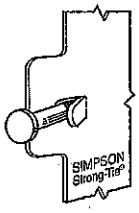
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15) lb.	Normal (K_D=1.00) lb.	Uplift (K_D=1.15) lb.	Normal (K_D=1.00) lb.
LJS26DS	18	1 9/16	5	3½	4⅝	(16) 16d	(6) 16d	2055	4265	1460	4115
HUS26	16	1⅝	5⅜	3	3 15/16	(14) 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.

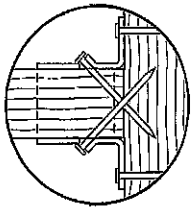


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

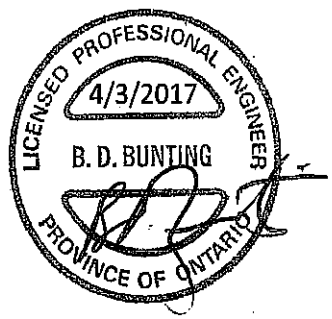
U.S. Patent 5,603,580



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



Double Shear Nailing Top View.



LIMIT STATES DESIGN

This technical bulletin is effective until June 30, 2019, and reflects information available as of March 1, 2017. This information is updated periodically and should not be relied upon after June 30, 2019. Contact Simpson Strong-Tie for current information and limited warranty. strongtie.com

T-SPECHUS17 3/17 exp. 6/19

(800) 999-5099
strongtie.com

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:

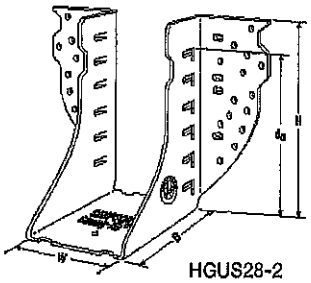
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these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

Installation:

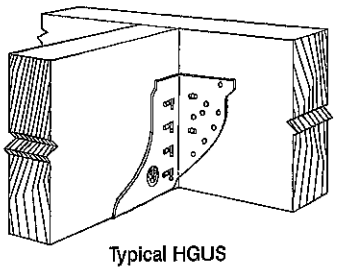
- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

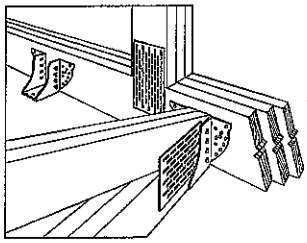
Options:

- See current catalogue for options



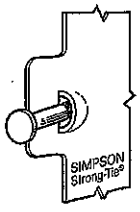
HGUS28-2


Typical HGUS Installation


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

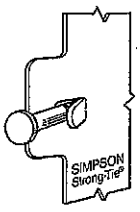
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
HGUS26	12	1⅝	5⅜	5	4 5/32	(20) 16d	(8) 16d	2685	6625	2685	5700
HGUS26-2	12	3⅜	5 7/16	4	4⅛	(20) 16d	(8) 16d	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
HGUS210-2	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.

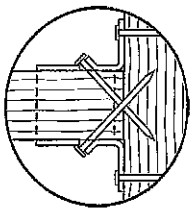


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

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 June 30, 2019, and reflects information available as of March 1, 2017. This information is updated periodically and should not be relied upon after June 30, 2019. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

T-SPECHGUS17 3/17 exp. 6/19

(800) 999-5099
strongtie.com

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:

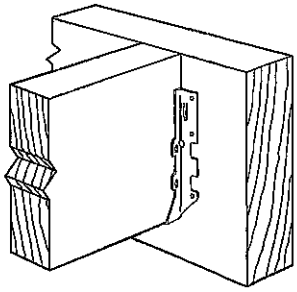
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these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

Installation:

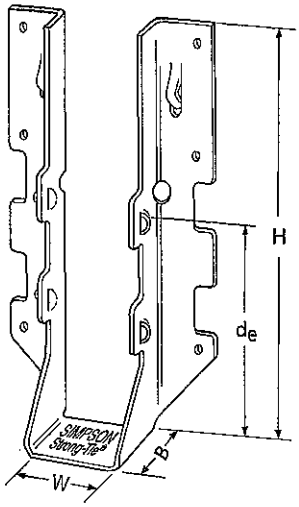
- Use all specified fasteners.
- Nails: 16d = 0.162" dia. x 3½" long common wire, 10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.

Options:

- These hangers cannot be modified



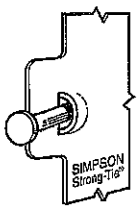
Typical LUS Installation



LUS28

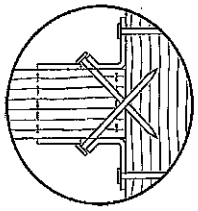
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
LUS24	18	1 9/16	3 1/8	1 3/4	1 15/16	(4) 10d	(2) 10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/8	2	1 13/16	(4) 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	(6) 10d	1420	2520	1290	1790
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
LUS28-3	18	4 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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(800) 999-5099
strongtie.com

ONTARIO WOOD TRUSS FABRICATORS ASSOCIATION

TECH-NOTES

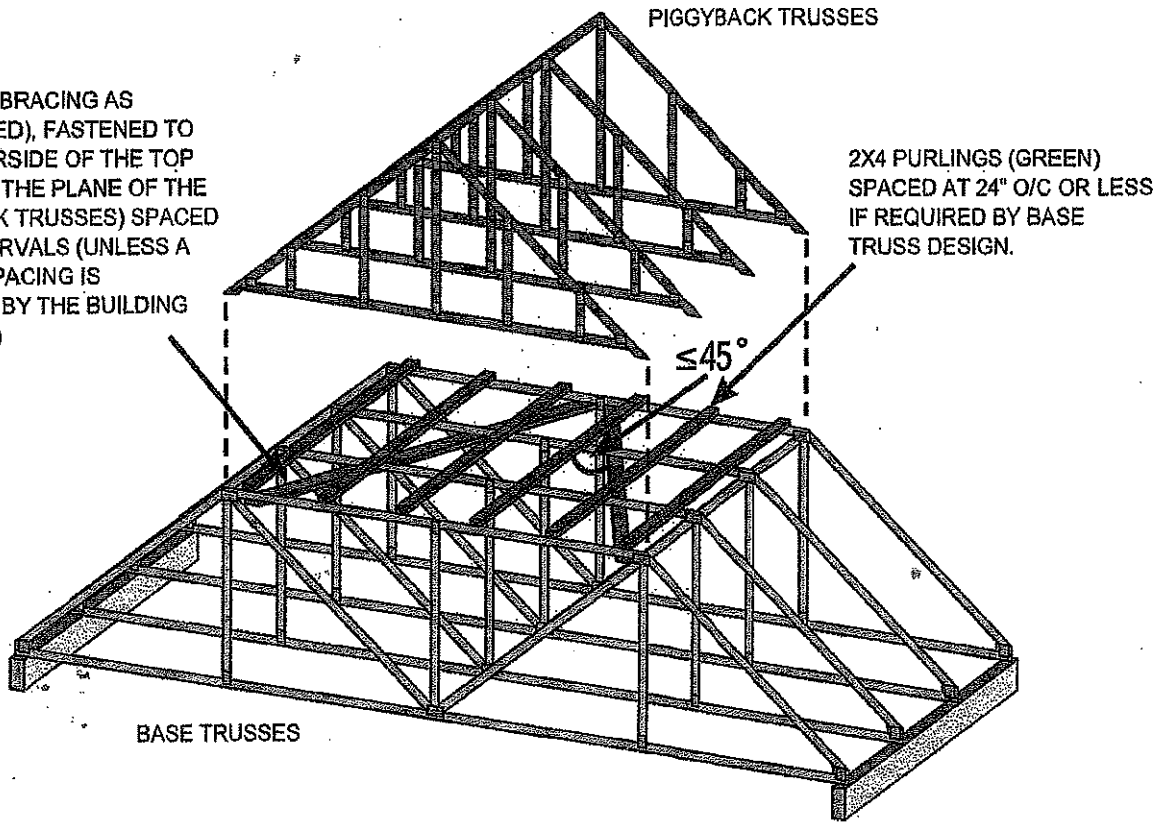
TN 15-001
Piggyback Bracing

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.

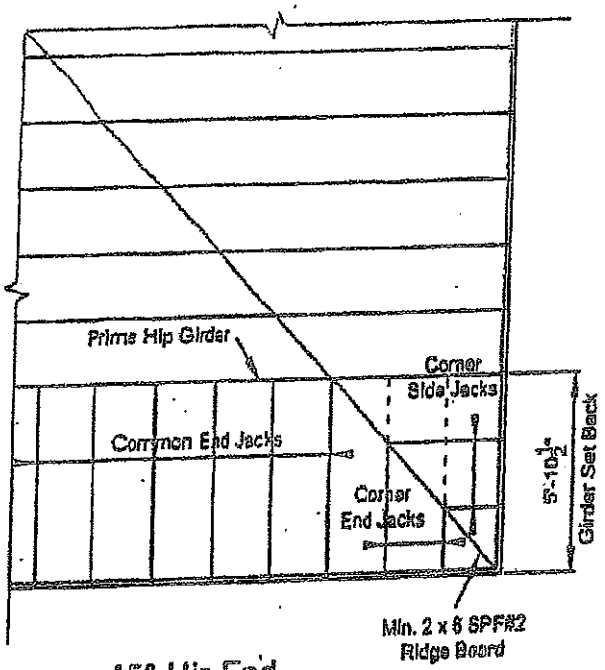
Detail:



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

MICRO CITY
ENGINEERING SERVICES INC. TEL: (519) 287 - 2242



45° Hip End

LUMBER SPECIFICATION

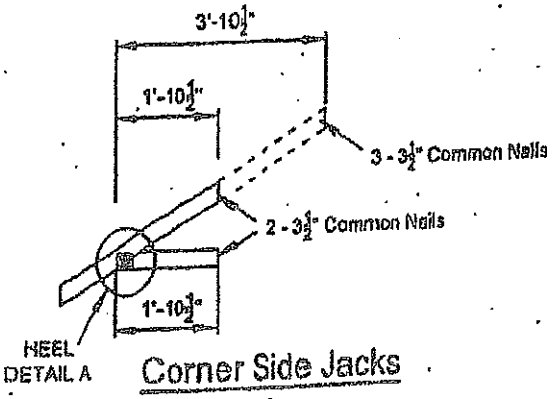
TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

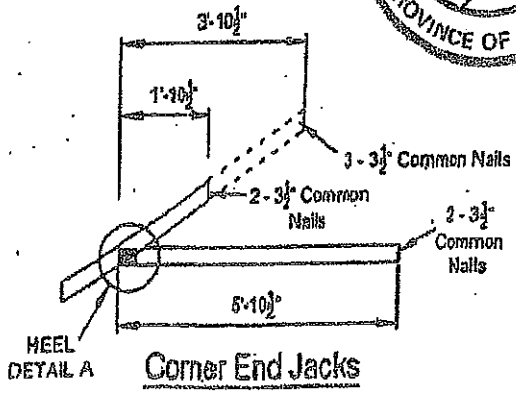
TOP CHORD LIVE LOAD	: 34.8 P.S.F.
TOP CHORD DEAD LOAD	: 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	: 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	: 7.0 P.S.F.
TOTAL LOAD	: 44.8 P.S.F.

DWG NO TAM 3495.14 R1
STRUCTURAL COMPONENT ONLY

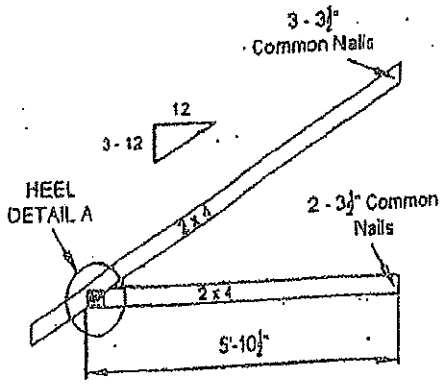
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



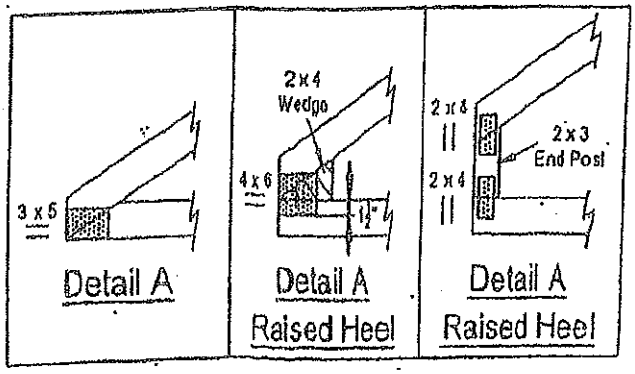
Corner Side Jacks



Corner End Jacks



Common End Jacks



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

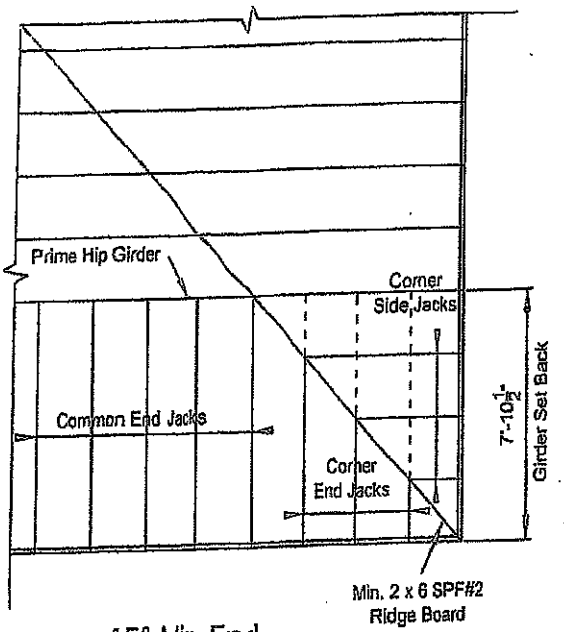
MICRO CITY
ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

LUMBER SPECIFICATION

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



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 YAM 3503 14
STRUCTURAL
COMPONENT ONLY

LICENSED PROFESSIONAL ENGINEER
1-2014
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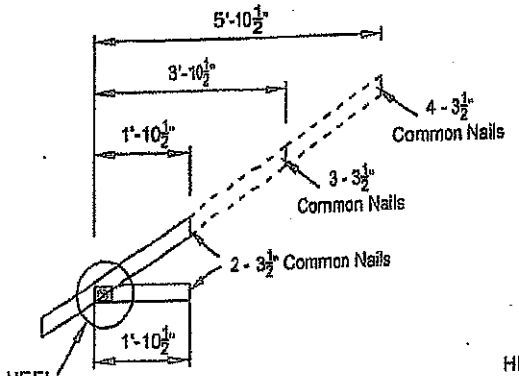
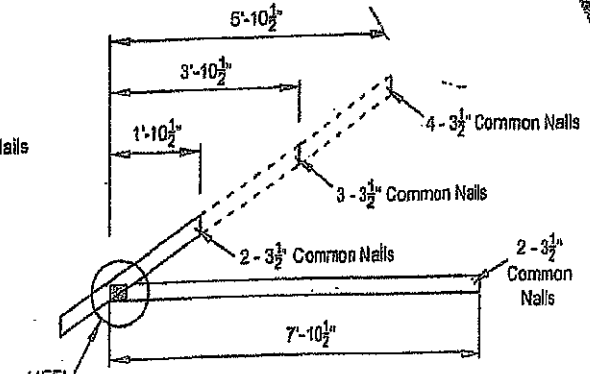
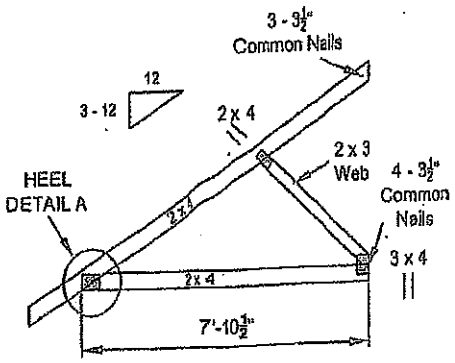
PROVINCE OF ONTARIO



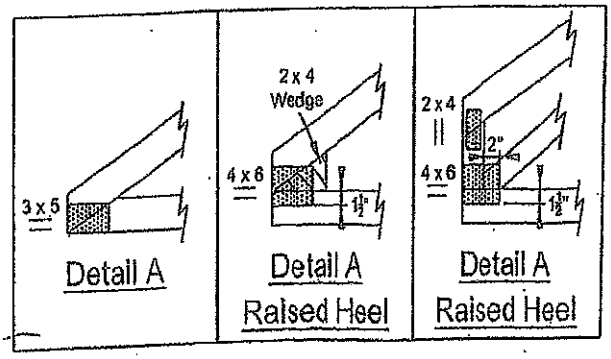
Corner Side Jacks



Corner End Jacks



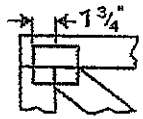
Common End Jacks



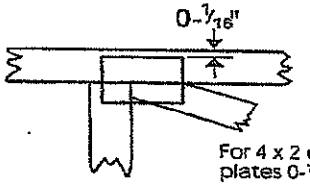
NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

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

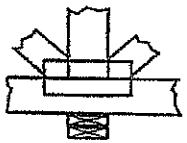
4 x 4

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.

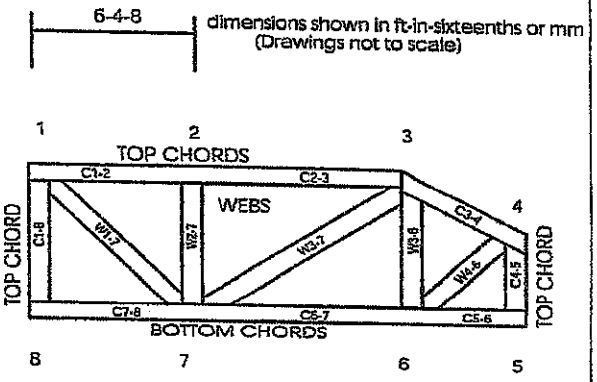
Industry Standards:

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



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

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

PRODUCT CODE APPROVALS

· CCMC Reports:

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

MiTek®

POWER TO PERFORM.™

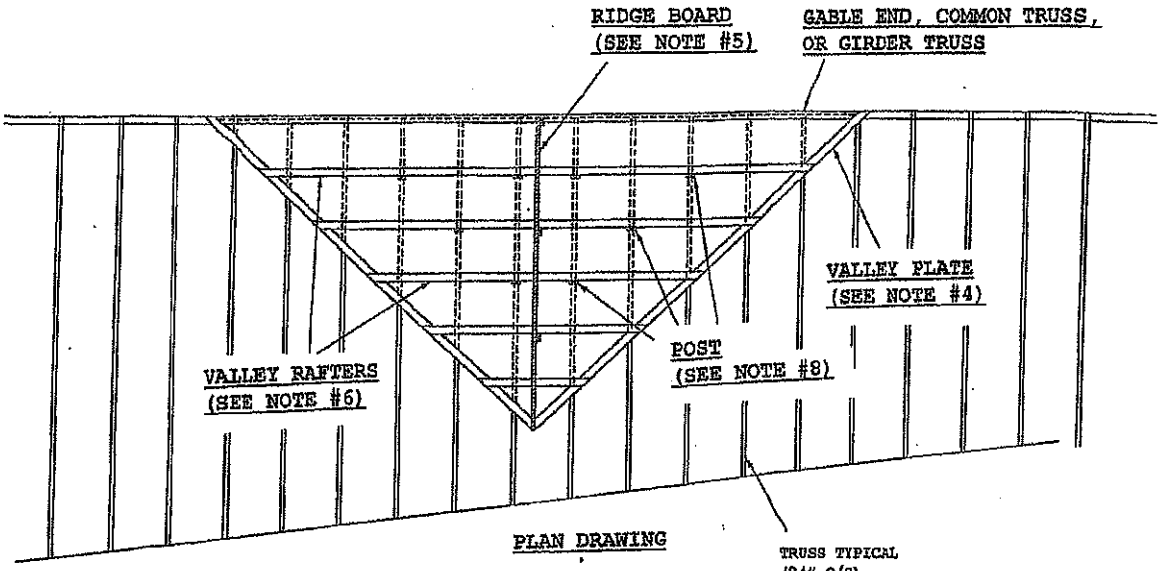
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

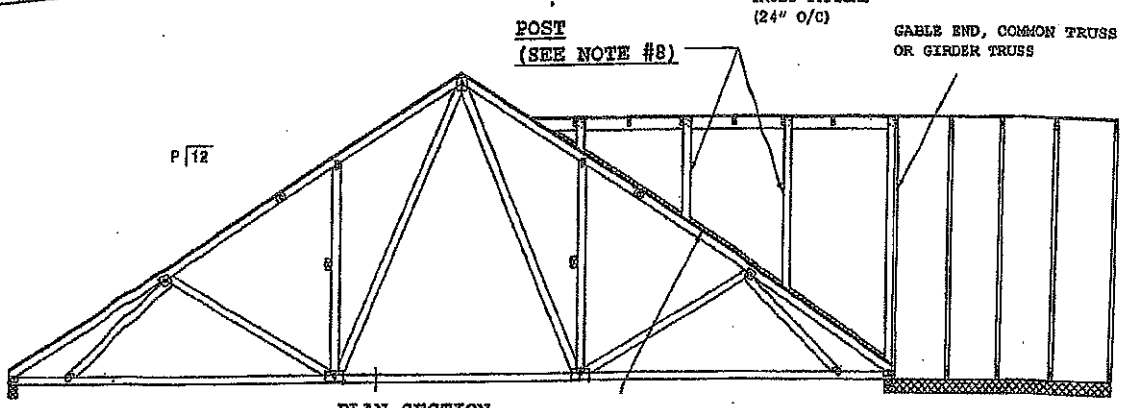
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
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. TEL: (519) 287 - 2242
R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

CONVENTIONAL VALLEY FRAMING DETAIL



PLAN DRAWING



PLAN SECTION

TRUSS MUST
BE SHEATHED

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
3-5-14
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO TAM6305.14
STRUCTURAL
COMPONENT ONLY

Micro City Engineering Services Inc.
(BCIN: 26064; FIRM BCIN: 29991)
RR #1, Po Box 61
Glencoe, Ontario
N0L 1M0
(519) 287 - 2242; Fax: (519) 287 - 5750 (Call)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO TAM 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.

SITE COPY