

Delivery Shiplist

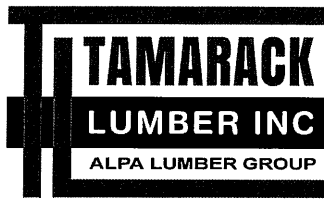
DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246 LAYOUT ID: 293885 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 9E ELEVATION: EL 1 TH52 -1 BLOCK 52

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T71 HALF HIP	8.00 0.00	18-02-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-04	171.82 108.00		
	2 Ply											
	1	T71Z HALF HIP	8.00 0.00	18-02-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-04	171.82 108.00		
	2 Ply											
	2	T72 HALF HIP	8.00 0.00	18-02-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	153.30 96.66		
	2	T73 HALF HIP	8.00 0.00	18-02-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	162.80 103.34		
	2	T74 HALF HIP	8.00 0.00	18-02-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-01-04	172.96 108.68		
	2	T75 HALF HIP	8.00 0.00	18-02-08	08-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-01-04	188.08 119.00		
	2	T76 HALF HIP	8.00 0.00	18-02-08	09-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 09-01-04	186.08 117.34		
	2	T77 HALF HIP	8.00 0.00	18-02-08	10-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 10-01-04	194.94 122.00		
	2	T78 HALF HIP	8.00 0.00	18-02-08	11-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 11-01-04	213.08 131.66		
	3	T79 COMMON	8.00 0.00	13-08-00	05-11-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	177.75 111.00		
	1	G79 COMMON	8.00 0.00	13-08-00	05-11-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	60.09 38.00		
	1	T80 COMMON	8.00 0.00	09-10-00	04-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	41.66 26.17		
	1	G80 COMMON	8.00 0.00	09-10-00	04-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	43.04 27.17		
	2	T81 COMMON	8.00 0.00	12-10-00	05-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	112.24 72.68		
	1	G81 COMMON	8.00 0.00	12-10-00	05-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	56.23 36.34		
	3	T82 MONOPITCH	4.00 0.00	08-08-00	03-02-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-11-04	84.54 53.01		
	12	T150 MONOPITCH	4.00 0.00	05-03-08	02-02-14	2 X 4	2 X 4	01-03-08 00-00-00	00-05-11 02-02-14	191.16 128.04		
	1	T157 HIP GIRDER	8.00 0.00	20-02-00	04-10-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	86.29 55.50		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293885	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 9E	ELEVATION: EL 1 TH52 -1 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T158 HIP	8.00 0.00	20-02-00	06-02-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	85.20 54.17		
	1	T159 COMMON	8.00 0.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	84.86 54.00		
	3	T159A COMMON	8.00 0.00	19-11-00	07-08-00	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 01-01-05	247.47 156.51		
	1	T159C COMMON	8.00 0.00	20-02-00	07-06-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	84.68 54.00		
	1	V41 VALLEY	8.00 0.00	18-06-11	06-02-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	60.52 37.33		
	1	V42 VALLEY	8.00 0.00	14-06-11	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	44.95 28.50		
	1	V43 VALLEY	8.00 0.00	10-06-11	03-06-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	27.68 16.83		
	1	V44 VALLEY	8.00 0.00	06-06-11	02-02-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	16.55 11.00		
	6	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	100.74 64.02		
	6	J12 JACK-OPEN	8.00 0.00	05-10-08	04-10-05	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 04-10-05	103.86 64.02		
	2	J13 JACK-OPEN	8.00 0.00	05-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -04-01-01	00-11-05 00-03-08	23.42 14.66		
	2	J14 JACK-OPEN	8.00 0.00	05-10-08	03-05-10	2 X 4	2 X 4	01-03-08 -02-01-01	00-11-05 00-03-08	28.88 18.66		
	2	J15 JACK-OPEN	8.00 0.00	01-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -00-01-01	00-11-05 00-03-08	14.28 9.34		
	2	J16 JACK-OPEN	8.00 0.00	01-10-08	03-05-10	2 X 4	2 X 4	01-03-08 01-10-15	00-11-05 00-05-03	19.76 13.34		
	5	J22 JACK-OPEN	4.00 0.00	05-05-00	02-01-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-01-10	71.75 46.65		
	2	J26 JACK-OPEN	4.00 0.00	06-07-00	02-06-04	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-06-04	39.64 25.34		

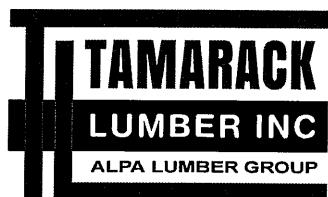
TOTAL # TRUSS= 80.00

TOTAL BFT OF ALL TRUSSES=

2230.96 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3522.12 LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
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Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293885	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 9E	ELEVATION: EL 1 TH52 -1 BLOCK 52	

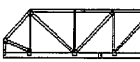
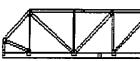
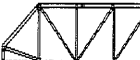
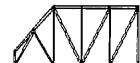
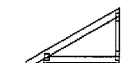
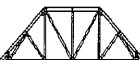
HARDWARE

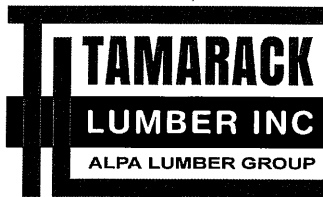
QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
7	Hangers	LJS26DS	

TOTAL # ITEMS= 9.00

DATE	10/29/18
SALES REP	Mario

ELEVATION: EL-2 TH52-2 BLOCK 52

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T21 HALF HIP	8.00	21-06-12	04-01-04	2 X 4	2 X 6	00-00-00	01-07-02	192.82		
	2 Ply		0.00					00-00-00	04-01-04	119.34		
	1	T21Z HALF HIP	8.00	21-06-12	04-01-04	2 X 4	2 X 6	00-00-00	01-07-02	192.82		
	2 Ply		0.00					00-00-00	04-01-04	119.34		
	2	T22 HALF HIP	8.00	21-06-12	05-01-04	2 X 4	2 X 4	00-00-00	01-07-02	177.96		
			0.00					00-00-00	05-01-04	112.66		
	2	T23 HALF HIP	8.00	21-06-12	06-01-04	2 X 4	2 X 4	00-00-00	01-07-02	194.18		
			0.00					00-00-00	06-01-04	124.00		
	2	T24 HALF HIP	8.00	21-06-12	07-01-04	2 X 4	2 X 4	00-00-00	01-07-02	207.46		
			0.00					00-00-00	07-01-04	131.66		
	2	T25 HALF HIP	8.00	21-06-12	08-01-04	2 X 4	2 X 4	00-00-00	01-07-02	203.18		
			0.00					00-00-00	08-01-04	127.66		
	2	T26 HALF HIP	8.00	21-06-12	09-01-04	2 X 4	2 X 4	00-00-00	01-07-02	227.02		
			0.00					00-00-00	09-01-04	141.00		
	3	T27 HALF HIP	8.00	21-06-12	10-01-04	2 X 4	2 X 4	00-00-00	01-07-02	377.37		
			0.00					00-00-00	10-01-04	234.99		
	1	T33 COMMON	8.00	10-01-08	04-10-08	2 X 4	2 X 4	00-00-00	01-04-13	39.50		
			0.00					00-00-00	01-07-02	26.17		
	12	T150 MONOPITCH	4.00	05-03-08	02-02-14	2 X 4	2 X 4	01-03-08	00-05-11	191.16		
			0.00					00-00-00	02-02-14	128.04		
	1	T157 HIP GIRDER	8.00	20-02-00	04-10-05	2 X 4	2 X 4	01-03-08	00-11-05	86.29		
			0.00					01-03-08	00-11-05	55.50		
	1	T158 HIP	8.00	20-02-00	06-02-05	2 X 4	2 X 4	01-03-08	00-11-05	85.20		
			0.00					01-03-08	00-11-05	54.17		
	1	T159 COMMON	8.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08	00-11-05	84.86		
			0.00					01-03-08	00-11-05	54.00		
	3	T159A COMMON	8.00	19-11-00	07-08-00	2 X 4	2 X 4	01-03-08	00-11-05	247.47		
			0.00					00-00-00	01-01-05	156.51		
	1	T159C COMMON	8.00	20-02-00	07-06-05	2 X 4	2 X 4	01-03-08	00-11-05	84.68		
			0.00					01-03-08	00-11-05	54.00		
	17	J1 JACK-OPEN	6.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08	01-02-00	285.43		
			0.00					00-00-00	04-01-04	181.39		
	1	J5 JACK-OPEN	8.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08	01-04-13	7.67		
			0.00					-00-01-01	00-03-08	4.67		
	1	J5A JACK-OPEN	8.00	01-07-00	02-07-02	2 X 4	2 X 4	00-00-00	01-07-02	5.38		
			0.00					-00-01-01	00-03-08	4.00		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246 LAYOUT ID: 293944 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 3A ELEVATION: EL-2 TH52-2 BLOCK 52

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	J6 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	10.41 6.67		
	1	J6A JACK-OPEN	8.00 0.00	01-07-00	03-11-02	2 X 4	2 X 4	00-00-00 01-10-15	01-07-02 00-05-03	8.12 6.00		
	1	J7 JACK-OPEN	8.00 0.00	05-02-08	04-10-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 04-10-08	16.15 10.67		
	2	J8 JACK-OPEN	8.00 0.00	05-02-08	02-07-02	2 X 4	2 X 4	01-03-08 -03-05-01	01-04-13 00-03-08	22.94 14.66		
	2	J9 JACK-OPEN	8.00 0.00	05-02-08	03-11-02	2 X 4	2 X 4	01-03-08 -01-05-01	01-04-13 00-03-08	28.42 18.66		
	6	J12 JACK-OPEN	8.00 0.00	05-10-08	04-10-05	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 04-10-05	103.86 64.02		
	2	J13 JACK-OPEN	8.00 0.00	05-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -04-01-01	00-11-05 00-03-08	23.42 14.66		
	2	J14 JACK-OPEN	8.00 0.00	05-10-08	03-05-10	2 X 4	2 X 4	01-03-08 -02-01-01	00-11-05 00-03-08	28.88 18.66		
	2	J15 JACK-OPEN	8.00 0.00	01-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -00-01-01	00-11-05 00-03-08	14.28 9.34		
	2	J16 JACK-OPEN	8.00 0.00	01-10-08	03-05-10	2 X 4	2 X 4	01-03-08 01-10-15	00-11-05 00-05-03	19.76 13.34		
	6	J24 JACK-OPEN	4.00 0.00	05-10-00	02-03-04	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-03-04	103.38 64.98		
	1	V11 VALLEY	6.00 0.00	34-03-14	08-06-15	2 X 4	2 X 4	00-00-00 00-00-00	00-00-00 00-00-00	115.70 70.67		
	1	V12 VALLEY	6.00 0.00	28-10-14	07-02-15	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	96.86 60.17		
	1	V13 VALLEY	6.00 0.00	23-06-14	05-10-15	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	71.03 44.33		
	1	V14 VALLEY	6.00 0.00	18-02-14	04-07-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	52.99 33.00		
	1	V15 VALLEY	6.00 0.00	12-10-14	03-03-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	31.84 19.50		
	1	V16 VALLEY	6.00 0.00	07-06-14	01-11-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	17.88 11.67		

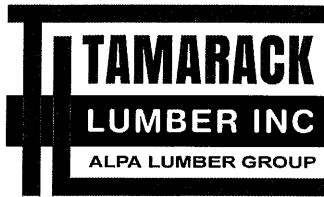
TOTAL # TRUSS= 89.00

TOTAL BFT OF ALL TRUSSES=

2310.10 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3656.37 LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
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Delivery Shiplist

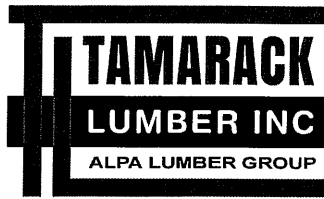
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246	LAYOUT ID: 293944	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 3A	ELEVATION: EL-2 TH52-2 BLOCK 52	

HARDWARE

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

TOTAL # ITEMS= 7.00



Delivery Shiplist

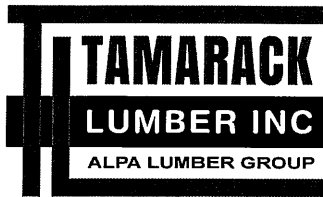
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246	LAYOUT ID: 293956	LOCATION: EAST GWILLIAMSBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 5A	ELEVATION: EL 1 TH52-3 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T91 HALF HIP	8.00 0.00	21-02-04	04-01-04	2 X 4	2 X 6	00-00-00 00-00-00	01-07-02 00-00-04	198.56		
	2 Ply									125.34		
	1	T91Z HALF HIP	8.00 0.00	21-02-04	04-01-04	2 X 4	2 X 6	00-00-00 00-00-00	01-07-02 00-00-04	198.30		
	2 Ply									124.66		
	2	T92 HALF HIP	8.00 0.00	21-02-04	05-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	178.28 114.00		
	2	T93 HALF HIP	8.00 0.00	21-02-04	06-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	194.56 126.66		
	2	T94 HALF HIP	8.00 0.00	21-02-04	07-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	207.90 133.00		
	2	T95 HALF HIP	8.00 0.00	21-02-04	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	203.60 130.34		
	2	T96 HALF HIP	8.00 0.00	21-02-04	09-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	227.38 142.34		
	2	T97 HALF HIP	8.00 0.00	21-02-04	10-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	260.20 163.34		
	3	T98 HALF HIP	8.00 0.00	21-02-04	11-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 00-00-04	412.65 255.51		
	2	T99 COMMON	8.00 0.00	15-11-00	06-08-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	135.42 87.00		
	1	T99A COMMON	8.00 0.00	15-07-08	06-08-08	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-07-02	63.47 41.00		
	1	G100 COMMON	8.00 0.00	10-11-00	05-00-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	47.52 31.17		
	1	G159 COMMON	8.00 0.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	85.97 55.00		
	1	G99 COMMON	8.00 0.00	15-11-00	06-08-08	2 X 4	2 X 4	00-00-00 01-03-08	01-04-13 01-04-13	69.22 44.17		
	1	T100 COMMON	8.00 0.00	10-11-00	05-00-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	45.54 29.17		
	12	T150F MONOPITCH	4.00 0.00	05-04-00	02-01-06	2 X 4	2 X 4	01-03-08 00-00-00	00-05-11 00-00-04	190.80 132.00		
	6	T159 COMMON	8.00 0.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	509.16 324.00		
	3	T159A COMMON	8.00 0.00	19-11-00	07-08-00	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 01-01-05	247.47 156.51		



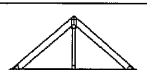
Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293956	LOCATION: EAST GWILLIAMSBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 5A	ELEVATION: EL 1 TH52-3 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	15	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	251.85 160.05		
	3	J23 JACK-OPEN	4.00 0.00	05-09-00	02-02-15	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-02-15	45.39 27.99		
	3	J27 JACK-OPEN	4.00 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-07-10	62.40 38.01		
	1	V21 VALLEY	6.00 0.00	30-11-00	07-09-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	103.89 64.34		
	1	V22 VALLEY	6.00 0.00	25-07-00	06-05-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	77.34 48.00		
	1	V23 VALLEY	6.00 0.00	20-03-00	05-01-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	60.56 37.67		
	1	V24 VALLEY	6.00 0.00	14-11-00	03-09-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	42.78 26.67		
	1	V25 VALLEY	6.00 0.00	09-07-00	02-05-00	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	23.13 14.33		

TOTAL # TRUSS= 73.00

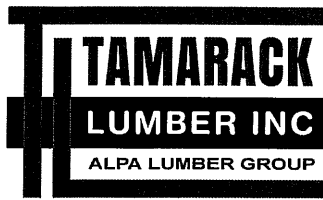
TOTAL BFT OF ALL TRUSSES=

2632.27 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4143.34 LBS.

HARDWARE

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

TOTAL # ITEMS= 7.00



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246

LAYOUT ID: 293957

LOCATION: EAST GWILLIMBURY

BUILDER: GREENPARK / SECONDO VALES ESTA

SUB-BUILDER:

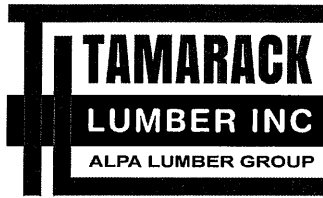
MODEL: HOLLAND5A

ELEVATION: EL 1A TH52-4 BLOCK 52

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T101 FLAT GIRDER	0.00	20-09-04	04-01-04	2 X 4	2 X 6	00-00-00	00-00-00	205.76		
	2 Ply		0.00							128.00		
	1	T101Z FLAT GIRDER	0.00	20-09-04	04-01-04	2 X 4	2 X 6	00-00-00	00-00-04	205.74		
	2 Ply		0.00							128.00		
	2	T102 FLAT	0.00	20-09-04	05-01-04	2 X 4	2 X 4	00-00-00	00-00-04	185.86		
			0.00							119.00		
	2	T103 FLAT	0.00	20-09-04	06-01-04	2 X 4	2 X 4	00-00-00	00-00-04	199.96		
			0.00							128.66		
	11	T104 FLAT	0.00	20-09-04	07-01-04	2 X 4	2 X 4	00-00-00	00-00-00	1179.64		
			0.00							760.87		
	1	T106 HALF HIP	8.00	15-07-08	05-03-13	2 X 4	2 X 6	00-00-00	01-04-13	85.11		
			0.00						05-03-13	53.00		
	1	T107 HALF HIP	8.00	10-07-08	05-03-13	2 X 4	2 X 4	00-00-00	01-04-13	47.69		
			0.00						05-03-13	30.00		
	12	T150F MONOPITCH	4.00	05-04-00	02-01-06	2 X 4	2 X 4	01-03-08	00-05-11	190.80		
			0.00					00-00-00	00-00-04	132.00		
	6	T159 COMMON	8.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08	00-11-05	509.16		
			0.00					01-03-08	00-11-05	324.00		
	3	T159A COMMON	8.00	19-11-00	07-08-00	2 X 4	2 X 4	01-03-08	00-11-05	247.47		
			0.00					00-00-00	01-01-05	156.51		
	1	G159 COMMON	8.00	20-02-00	07-08-00	2 X 4	2 X 4	01-03-08	00-11-05	85.97		
			0.00					01-03-08	00-11-05	55.00		
	12	P105 COMMON	6.00	18-10-00	04-08-12	2 X 4	2 X 4	00-00-00	00-00-04	674.28		
			0.00					00-00-00	00-00-04	420.00		
	16	J1 JACK-OPEN	6.00	05-10-08	04-01-04	2 X 4	2 X 4	00-00-00	01-02-00	242.24		
			0.00					00-00-00	04-01-04	149.28		
	3	J2 JACK-OPEN	8.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08	01-04-13	53.49		
			0.00					00-00-00	05-03-13	32.01		
	3	J23 JACK-OPEN	4.00	05-09-00	02-02-15	2 X 4	2 X 4	01-03-08	00-03-15	45.39		
			0.00					00-00-00	02-02-15	27.99		
	3	J27 JACK-OPEN	4.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08	00-03-15	62.40		
			0.00					00-00-00	02-07-10	38.01		
	2	J3 JACK-OPEN	8.00	05-10-08	02-07-02	2 X 4	2 X 4	01-03-08	01-04-13	24.46		
			0.00					-04-01-01	00-03-08	14.66		
	2	J4 JACK-OPEN	8.00	05-10-08	03-11-02	2 X 4	2 X 4	01-03-08	01-04-13	29.94		
			0.00					-02-01-01	00-03-08	18.66		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293957	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND5A	ELEVATION: EL 1A TH52-4 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J5 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	15.34 9.34		
	2	J6 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	20.82 13.34		

TOTAL # TRUSS= 88.00

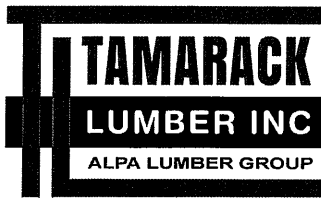
TOTAL BFT OF ALL TRUSSES=

2738.33 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4311.52 LBS.

HARDWARE

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

TOTAL # ITEMS= 10.00



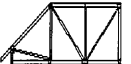
Delivery Shiplist

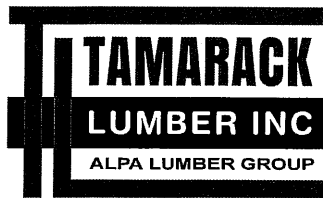
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246	LAYOUT ID: 293958	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 15	ELEVATION: EL 1 TH52-5 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T111 COMMON	8.00 0.00	10-00-00	04-08-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	42.26 26.17		
	1	G111 COMMON	8.00 0.00	10-00-00	04-08-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	43.48 28.17		
	2	T112 COMMON	8.00 0.00	15-03-08	06-07-02	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 01-07-02	127.98 82.66		
	1	G112 COMMON	8.00 0.00	15-03-08	06-07-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-07-02	68.69 45.00		
	1	T113 HALF HIP	8.00 0.00	15-03-08	05-00-02	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-00-02	66.09 42.33		
	1	T114 HALF HIP	8.00 0.00	15-03-08	06-04-02	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-04-02	74.52 46.00		
	1	T115 HALF HIP	8.00 0.00	15-03-08	07-08-02	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-08-02	78.24 50.50		
	10	T116 HALF HIP	8.00 0.00	15-03-08	08-02-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-02-13	753.70 476.70		
	1	T117 HIP GIRDER	8.00 0.00	18-04-00	05-03-13	2 X 4	2 X 6	00-00-00 00-00-00	01-07-02 01-07-02	95.95 61.17		
	1	T117Z HIP GIRDER	8.00 0.00	18-04-00	05-03-13	2 X 4	2 X 6	00-00-00 00-00-00	01-07-02 01-07-02	95.98 61.17		
	2	T118 HIP	8.00 0.00	18-04-00	06-07-13	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-07-02	160.26 105.66		
	3	T119 COMMON	8.00 0.00	18-04-00	07-08-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-07-02	234.93 150.99		
	1	T120 COMMON	8.00 0.00	14-05-00	06-02-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	62.07 39.00		
	1	G120 COMMON	8.00 0.00	14-05-00	06-02-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	63.43 41.00		
	1	T120A COMMON	8.00 0.00	14-01-08	06-02-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-04-13	57.84 37.00		
	2	T121 COMMON	8.00 0.00	18-00-00	07-04-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	158.62 100.68		
	1	G121 COMMON	8.00 0.00	18-00-00	07-04-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	81.47 52.83		
	1 3 Ply	T122 COMMON	8.00 0.00	18-00-00	07-04-13	2 X 4	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	280.62 174.00		



Delivery Shiplist

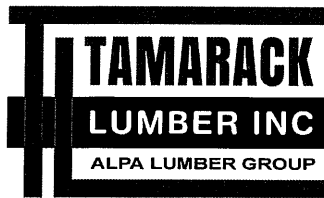
DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293958	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 15	ELEVATION: EL 1 TH52-5 BLOCK 52	

ROOF TRUSSES

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

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
						TOP	BOT					
	1	T160 HIP GIRDER	8.00 0.00	19-00-00	04-10-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	83.02 54.17		
	1	T161 HIP	8.00 0.00	19-00-00	06-02-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	82.04 52.84		
	6	T162 COMMON	8.00 0.00	19-00-00	07-03-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	481.86 307.98		
	1	G162 COMMON	8.00 0.00	19-00-00	07-03-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	80.18 52.83		
	2	V31 VALLEY	8.00 0.00	15-08-11	05-03-02	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	97.52 60.34		
	2	V32 VALLEY	8.00 0.00	11-08-11	03-11-02	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	61.86 38.66		
	2	V33 VALLEY	8.00 0.00	07-08-11	02-07-02	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	39.58 26.00		
	1	P1 PIGGYBACK	8.00 0.00	04-03-09	01-02-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 01-02-08	14.60 11.33		
	1	P2 PIGGYBACK	8.00 0.00	04-03-09	02-06-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 02-06-08	17.19 12.50		
	3	P3 PIGGYBACK	8.00 0.00	04-03-09	03-01-13	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 03-00-13	44.43 30.00		
	1	P4 PIGGYBACK	8.00 0.00	04-03-09	00-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 00-10-08	11.94 9.00		
	1	P5 PIGGYBACK	8.00 0.00	04-03-09	01-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 01-10-08	15.64 11.83		
	1	P6 PIGGYBACK	8.00 0.00	04-03-09	02-10-08	2 X 4	2 X 4	00-00-00 00-00-00	00-04-07 02-10-08	14.39 9.33		
	3	J2 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	53.49 32.01		
	1	J3 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -04-01-01	01-04-13 00-03-08	12.23 7.33		
	1	J5 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	7.67 4.67		
	1	J6 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	10.41 6.67		
	5	J12 JACK-OPEN	8.00 0.00	05-10-08	04-10-05	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 04-10-05	86.55 53.35		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246 LAYOUT ID: 293958 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 15 ELEVATION: EL 1 TH52-5 BLOCK 52

ROOF TRUSSES

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

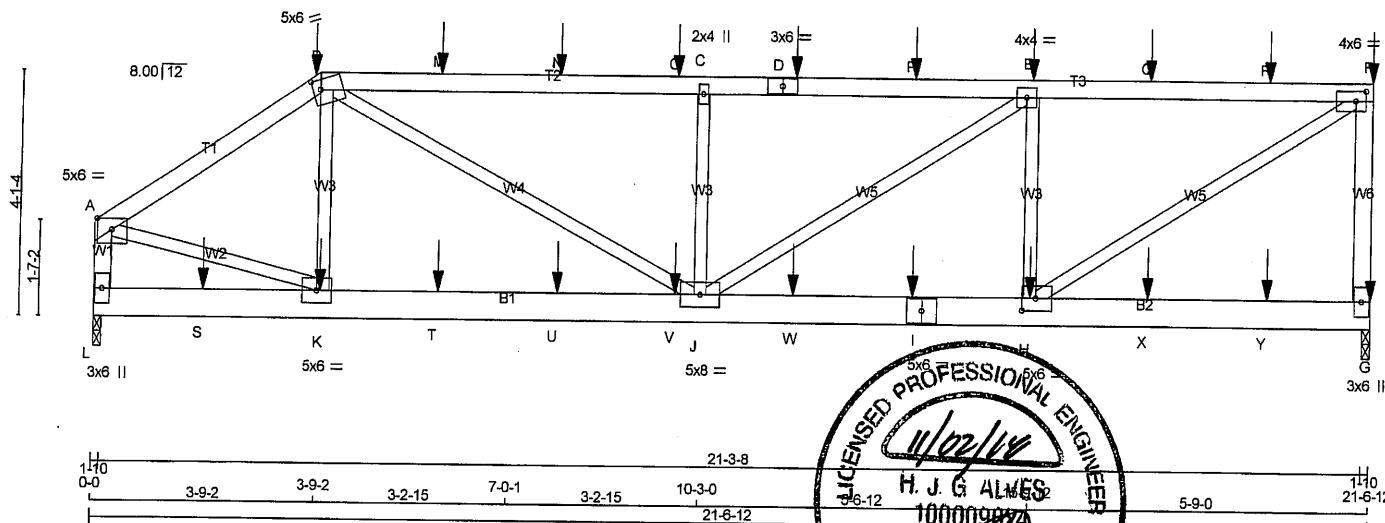
PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J13 JACK-OPEN	8.00 0.00	05-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -04-01-01	00-11-05 00-03-08	23.42 14.66		
	2	J14 JACK-OPEN	8.00 0.00	05-10-08	03-05-10	2 X 4	2 X 4	01-03-08 -02-01-01	00-11-05 00-03-08	28.88 18.66		
	2	J15 JACK-OPEN	8.00 0.00	01-10-08	02-01-10	2 X 4	2 X 4	01-03-08 -00-01-01	00-11-05 00-03-08	14.28 9.34		
	2	J16 JACK-OPEN	8.00 0.00	01-10-08	03-05-10	2 X 4	2 X 4	01-03-08 01-10-15	00-11-05 00-05-03	19.76 13.34		
	6	J25 JACK-OPEN	4.00 0.00	05-11-00	02-03-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 00-04-03	103.86 64.98		
	3	J27 JACK-OPEN	4.00 0.00	06-11-00	02-07-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-07-10	62.40 38.01		

TOTAL # TRUSS= 85.00

TOTAL BFT OF ALL TRUSSES=

2560.86 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4013.33 LBS.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T21	1	2	TRUSS DESC.	
Tamarack Roof Truss, Burlington					
Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:08 2018 Page 1					
ID: CdaYykWbz8eaoGptSf3Q00yLElx-VLUsgJ?MPBvvdA4GzPrR5AgJNjA70vEp4HFZylyNC6P					
0-0 3-9-2 3-9-2 3-2-15 7-0-1 3-2-15 10-3-0 5-6-12 15-9-12 5-9-0 21-6-12					
Scale = 1:37.0					



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T21	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:08 2018 Page 2

ID:CdaYykvWbz8eaoGptSf3QO0yLElx-WLuSGJ?MPBvvdA4GzPRr5AgJNjA70vEp4HFZylyNC6P

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 388.5 lbs FACTORED DOWN AT 3-9-2, 159.1 lbs FACTORED DOWN AT 3-9-2, 149.7 lbs FACTORED DOWN AT 5-9-14, 149.7 lbs FACTORED DOWN AT 7-9-14, 149.7 lbs FACTORED DOWN AT 9-9-14, 149.7 lbs FACTORED DOWN AT 11-9-14, 149.7 lbs FACTORED DOWN AT 13-9-14, 149.7 lbs FACTORED DOWN AT 15-9-14, 149.7 lbs FACTORED DOWN AT 17-9-14, AND 149.7 lbs FACTORED DOWN AT 19-9-14, AND 197.6 lbs FACTORED DOWN AT 21-6-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-9-14, 69.9 lbs FACTORED DOWN AT 3-9-14, 69.9 lbs FACTORED DOWN AT 5-9-14, 69.9 lbs FACTORED DOWN AT 7-9-14, 69.9 lbs FACTORED DOWN AT 9-9-14, 69.9 lbs FACTORED DOWN AT 11-9-14, 69.9 lbs FACTORED DOWN AT 13-9-14, 69.9 lbs FACTORED DOWN AT 15-9-14, 69.9 lbs FACTORED DOWN AT 17-9-14, AND 69.9 lbs FACTORED DOWN AT 19-9-14, AND 88.8 lbs FACTORED DOWN AT 21-6-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
N	7-9-14	-103	-103	—	BACK	VERT	TOTAL
O	9-9-14	-103	-103	—	BACK	VERT	TOTAL
P	13-9-14	-103	-103	—	BACK	VERT	TOTAL
Q	17-9-14	-103	-103	—	BACK	VERT	TOTAL
R	19-9-14	-103	-103	—	BACK	VERT	TOTAL
S	1-9-14	-50	-50	—	BACK	VERT	TOTAL
T	5-9-14	-50	-50	—	BACK	VERT	TOTAL
U	7-9-14	-50	-50	—	BACK	VERT	TOTAL
V	9-9-14	-50	-50	—	BACK	VERT	TOTAL
W	11-9-14	-50	-50	—	BACK	VERT	TOTAL
X	17-9-14	-50	-50	—	BACK	VERT	TOTAL
Y	19-9-14	-50	-50	—	BACK	VERT	TOTAL



DWG NO. TAM 17812294
STRUCTURAL
COMPONENT ONLY 3/2

Structural drawing of a roof truss system. The drawing shows a side elevation of a truss with various members labeled (T1, T2, B1, B2, VV1-VV6, W1-W6) and supports (M, K, I, G). Dimensions are provided for heights (41'-4", 17'-2") and lengths (8'-0"). Material specifications are noted for different parts (e.g., 5x8, 3x6, 4x4, 2x4). A note indicates "2x6 SCHED" for a section of the bottom chord. The drawing is a technical sketch of a roof truss system.

HANGERS NOTES

LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
20-7-4	-51	-51	---	FRONT	VERT	TOTAL
10-3-0	-1158	-1158	---	FRONT	VERT	TOTAL
10-7-4	-103	-103	---	FRONT	VERT	TOTAL
12-7-4	-103	-103	---	FRONT	VERT	TOTAL
14-7-4	-103	-103	---	FRONT	VERT	TOTAL
16-7-4	-103	-103	---	FRONT	VERT	TOTAL
18-7-4	-103	-103	---	FRONT	VERT	TOTAL
20-7-4	-105	-105	---	FRONT	VERT	TOTAL
10-7-4	-50	-50	---	FRONT	VERT	TOTAL

DWG NO. TAM **71B12295**
STRUCTURAL
COMPONENT ONLY **1/4**

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T21Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

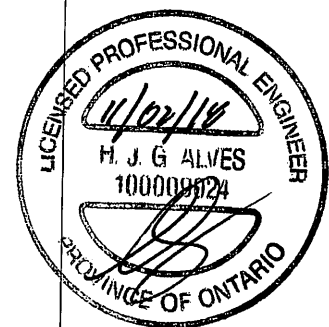
Version 8.210 S May 18 2018 MTEK Industries, Inc. Fri Nov 2 16:09:09 2018 Page 2
ID:CdaYykWbz8eaoGptSf3QO0yLElx- XSqTf0 AU1mFKfSW6z4eODUc7V6IKmyJw 7VkyNC60

HANGERS NOTES

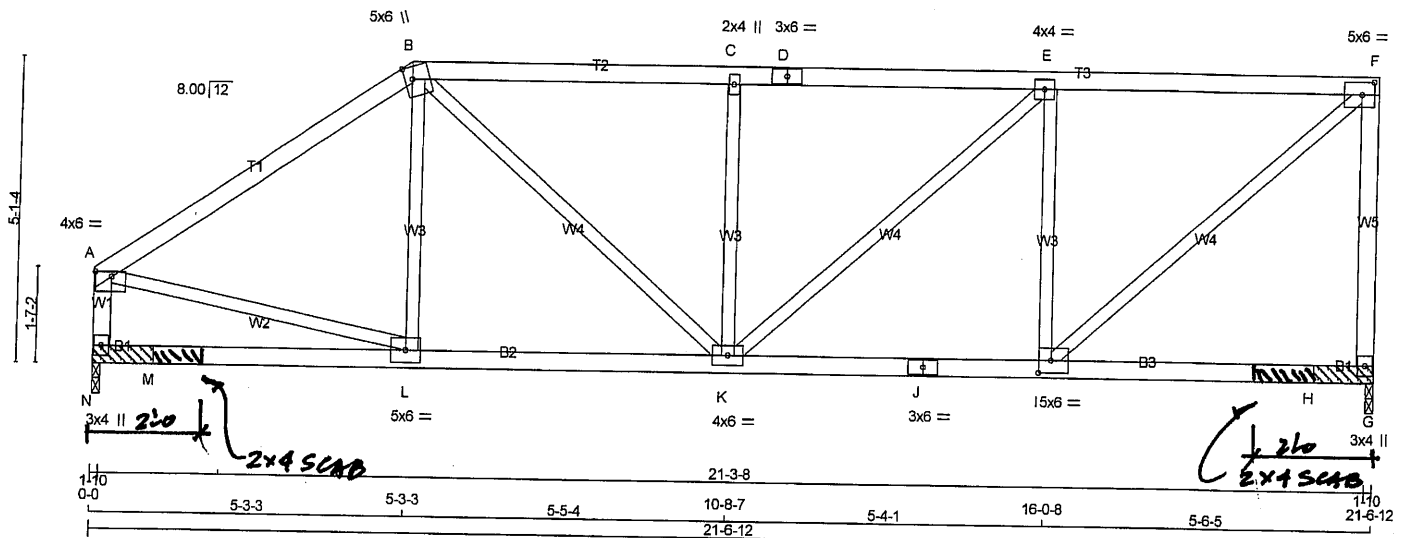
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 10-7-4, 149.7 lbs FACTORED DOWN AT 12-7-4, 149.7 lbs FACTORED DOWN AT 14-7-4, 149.7 lbs FACTORED DOWN AT 16-7-4, AND 149.7 lbs FACTORED DOWN AT 18-7-4, AND 152.3 lbs FACTORED DOWN AT 20-7-4 ON TOP CHORD, AND 1520.0 lbs FACTORED DOWN AT 10-3-0, 69.9 lbs FACTORED DOWN AT 10-7-4, 69.9 lbs FACTORED DOWN AT 12-7-4, 69.9 lbs FACTORED DOWN AT 14-7-4, 69.9 lbs FACTORED DOWN AT 16-7-4, AND 69.9 lbs FACTORED DOWN AT 18-7-4, AND 70.9 lbs FACTORED DOWN AT 20-7-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
U	12-7-4	-50	-50	—	FRONT	VERT	TOTAL
V	14-7-4	-50	-50	—	FRONT	VERT	TOTAL
W	16-7-4	-50	-50	—	FRONT	VERT	TOTAL
X	18-7-4	-50	-50	—	FRONT	VERT	TOTAL



DWG NO. TAM T1812295
STRUCTURAL
COMPONENT ONLY 7/6



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4 DRY	No.2	SPF
B - D	2x4 DRY	No.2	SPF
D - F	2x4 DRY	No.2	SPF
G - F	2x4 DRY	No.2	SPF
N - A	2x4 DRY	No.2	SPF
N - J	2x4 DRY	No.2	SPF
J - G	2x4 DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TTWW+m	MT20	5.0	6.0	2.50	1.50
C	TMVW-w	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.50	2.50
G	BMV1+p	MT20	3.0	4.0		
I	BMVW-t	MT20	5.0	6.0	2.50	2.50
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMVW-t	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	DOWN	IN-SX	IN-SX
G	1643	0	1-10	1-10 & BLOCK
N	1643	0	1-10	1-10 & BLOCK

UNFACTORED REACTIONS

	1ST LCASE	MAX / MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE PERM.LIVE WIND DEAD SOIL
G	1300	750 / 0	226 / 0 0 / 0 0 / 0 323 / 0 0 / 0
N	1300	750 / 0	226 / 0 0 / 0 0 / 0 323 / 0 0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. N ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 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						WEBS					
MAX. FACTORED			FACTORED			MAX. FACTORED					
MEMB.	FORCE	VERT. LOAD	CS1	MAX	MAX.	MEMB.	FORCE	MAX			
	(LBS)	(PLF)	(LC)	(LC)	UNBRAC		(LBS)	(LC)			
FR-TO		FROM	TO		LENGTH	FR-TO					
A-B	-1666 / 0	-124.4	-124.4	0.72 (1)	4.15	L-B	-156 / 146	0.06 (1)			
B-C	-1920 / 0	-124.4	-124.4	0.58 (1)	4.16	A-L	0 / 1423	0.32 (1)			
C-D	-1920 / 0	-124.4	-124.4	0.60 (1)	4.11	I-F	0 / 1981	0.45 (1)			
D-E	-1920 / 0	-124.4	-124.4	0.60 (1)	4.11	B-K	0 / 718	0.16 (1)			
E-F	-1494 / 0	-124.4	-124.4	0.57 (1)	4.60	I-E	-1128 / 0	0.43 (1)			
G-F	-1580 / 0	0.0	0.0	0.70 (1)	6.56	K-C	-725 / 0	0.28 (1)			
N-A	-1583 / 0	0.0	0.0	0.17 (1)	6.56	K-E	0 / 574	0.13 (1)			
N-M	0 / 0	-28.0	-28.0	0.22 (3)	10.00						
M-L	0 / 0	-28.0	-28.0	0.22 (3)	10.00						
L-K	0 / 1381	-28.0	-28.0	0.35 (2)	10.00						
K-J	0 / 1494	-28.0	-28.0	0.37 (2)	10.00						
J-I	0 / 1494	-28.0	-28.0	0.37 (2)	10.00						
I-H	0 / 0	-28.0	-28.0	0.22 (3)	10.00						
H-G	0 / 0	-28.0	-28.0	0.22 (3)	10.00						

A circular seal for a Professional Engineer. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF TEXAS" at the bottom. The inner circle contains the text "REGISTERED PROFESSIONAL" around the perimeter, with a central area for a signature and the license number "1000

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8 PSF
	DL = 8.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 60.3 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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CS1: TC=0.72/1.00 (A-B:1), BC=0.37/1.00 (I-K:2), WB=0.45/1.00 (F-I:1), SS=0.32/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

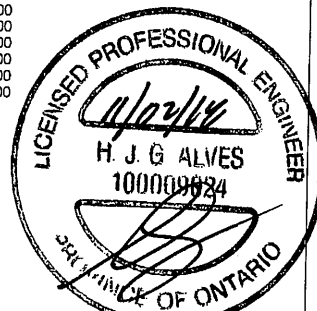
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CS1 GRIP= 0.90 (B) (INPUT = 0.90)
CS1 METAL= 0.44 (J) (INPUT = 1.00)



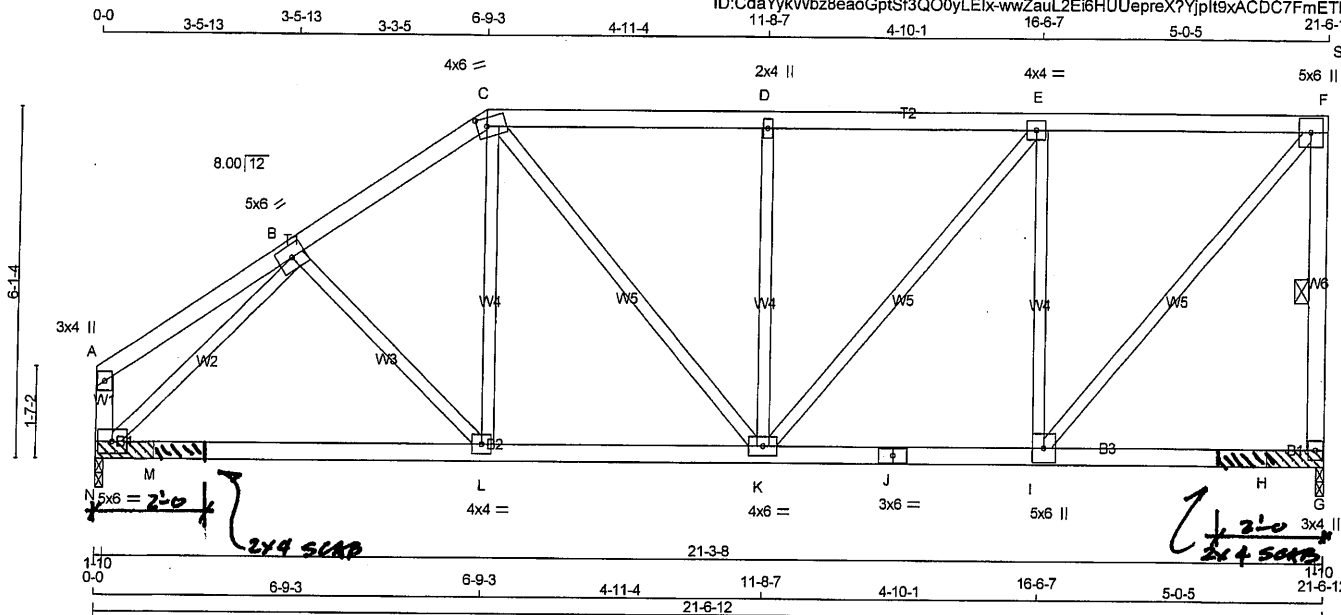
DRWG NO. TAM: 11/12/246
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T23	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:38.4



TOTAL WEIGHT = 2 X 99 = 199 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	
G - F	2x4	DRY	No.2	SPF	
N - A	2x4	DRY	No.2	SPF	
N - J	2x4	DRY	No.2	SPF	
J - J	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TTVW-m	MT20	4.0	6.0	1.75	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW+p	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
I	BMVW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMVW-t	MT20	4.0	4.0		
N	BMVW-t	MT20	5.0	6.0		

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

STEERING DESIGNER							
BEARINGS							
	FACTORED		MAXIMUM FACTORED			INPUT	REQRD
	GROSS REACTION		GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1643	0	1643	0	0	1-10	1-10 & BLOCK
N	1643	0	1643	0	0	1-10	1-10 & BLOCK

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0
N	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. ^{14"} NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. N ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. ^{14"} NAILS TOTAL.

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (UNBRAC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO							FR-TO			
A-B	0 / 25	-124.4	-124.4	0.21 (1)	10.00		B-L	-9 / 109	0.03 (3)	
B-C	-1631 / 0	-124.4	-124.4	0.25 (1)	4.91		L-C	0 / 289	0.07 (3)	
C-D	-1564 / 0	-124.4	-124.4	0.45 (1)	4.72		N-B	-1937 / 0	0.73 (1)	
D-E	-1564 / 0	-124.4	-124.4	0.47 (1)	4.68		I-F	0 / 1762	0.40 (1)	
E-F	-1152 / 0	-124.4	-124.4	0.45 (1)	5.30		C-K	0 / 351	0.08 (1)	
G-F	-1586 / 0	0.0	0.0	0.28 (1)	5.24		I-E	-1171 / 0	0.69 (1)	
N-A	-164 / 0	0.0	0.0	0.02 (1)	7.81		K-D	-657 / 0	0.38 (1)	
							K-E	0 / 16	0.00 (1)	
N-M	0 / 1339	-28.0	-28.0	0.43 (2)	10.00					
M-L	0 / 1339	-28.0	-28.0	0.43 (2)	10.00					
L-K	0 / 1337	-28.0	-28.0	0.44 (2)	10.00					
K-J	0 / 1152	-28.0	-28.0	0.30 (2)	10.00					
J-I	0 / 1152	-28.0	-28.0	0.30 (2)	10.00					
I-H	0 / 0	-28.0	-28.0	0.19 (3)	10.00					
H-G	0 / 0	-28.0	-28.0	0.19 (3)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	60.3	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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.47/1.00 (D-E:1), BC=0.44/1.00 (K-L:2),
WB=0.73/1.00 (B-N:1), SSI=0.29/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

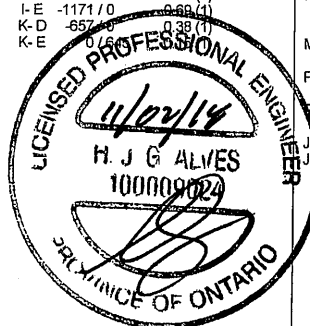
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

J-I GRIP= 0.88 (C) (INPUT = 0.90)
J-I METAL= 0.47 (B) (INPUT = 1.00)

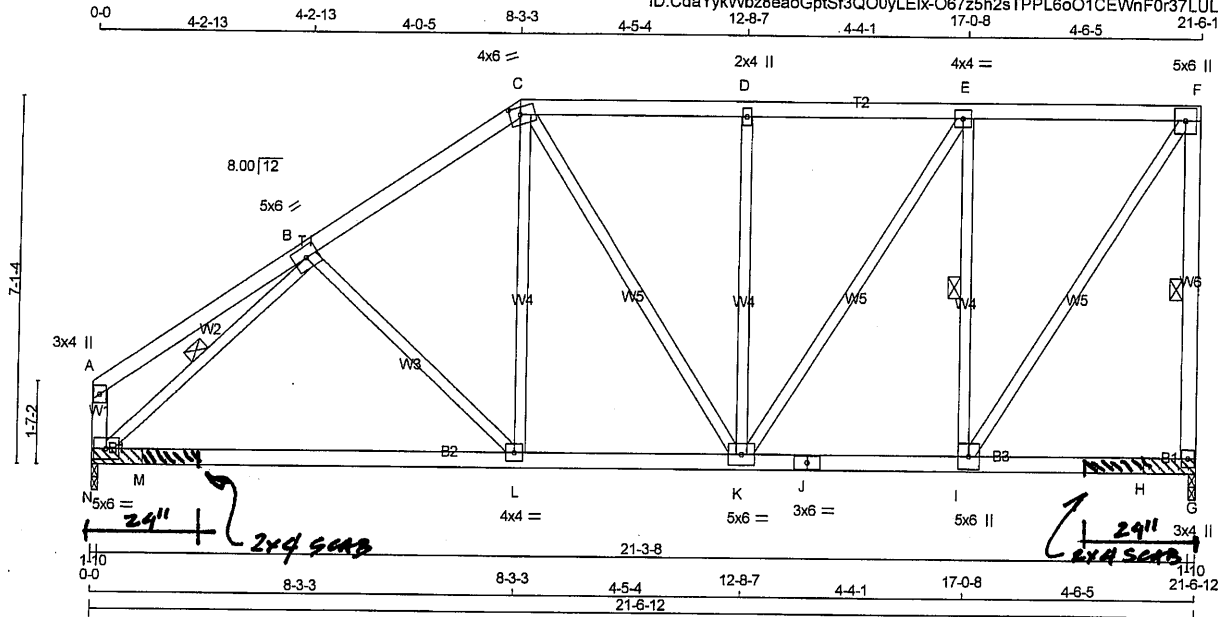


DRWG NO. TAM 11012297
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T24	2	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 - F	2x4	DRY	No.2	SPF
G - A	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TTVW-m	MT20	4.0	6.0	1.75	2.50
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW+p	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
I	BMVW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	5.0	6.0		
L	BMVW-t	MT20	4.0	4.0		
N	BMVW-t	MT20	5.0	6.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD IN-SX
	VERT	HORZ	DOWN	HORZ		
G	1643	0	1643	0	1-10	1-10 & BLOCK
N	1643	0	1643	0	1-10	1-10 & BLOCK

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
G	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0
N	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. N ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, B-N, E-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)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. UNBRAC LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
		FROM	TO				
FR-TO							
A-B	0 / 33	-124.4	-124.4	0.34 (1)	10.00	B-L	-178 / 61
B-C	-1541 / 0	-124.4	-124.4	0.39 (1)	4.84	L-C	0 / 423
C-D	-1290 / 0	-124.4	-124.4	0.34 (1)	5.24	N-B	-1931 / 0
D-E	-1291 / 0	-124.4	-124.4	0.36 (1)	5.21	I-F	0 / 1638
E-F	-906 / 0	-124.4	-124.4	0.35 (1)	5.98	C-K	-57 / 58
G-F	-1593 / 0	0.0	0.0	0.36 (1)	5.24	I-E	-1211 / 0
N-A	-197 / 0	0.0	0.0	0.02 (1)	7.81	K-D	-589 / 0
						K-E	0 / 716
N-M	0 / 1382	-28.0	-28.0	0.57 (2)	10.00		
M-L	0 / 1382	-28.0	-28.0	0.57 (2)	10.00		
L-K	0 / 1259	-28.0	-28.0	0.57 (3)	10.00		
K-J	0 / 906	-28.0	-28.0	0.25 (2)	10.00		
J-I	0 / 906	-28.0	-28.0	0.25 (2)	10.00		
I-H	0 / 0	-28.0	-28.0	0.17 (3)	10.00		
H-G	0 / 0	-28.0	-28.0	0.17 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8	PSF
	DL = 8.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 60.3	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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.72")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.20")
ALLOWABLE DEFL.(TL) = $L/360$ (0.72")
CALCULATED VERT. DEFL.(TL) = $L/783$ (0.33")

CSI: TC=0.39/1.00 (B-C:1), BC=0.57/1.00 (K-L:3), WB=0.51/1.00 (D-K:1), SSI=0.26/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.78 (F) (INPUT = 0.90)
JS METAL= 0.46 (B) (INPUT = 1.00)

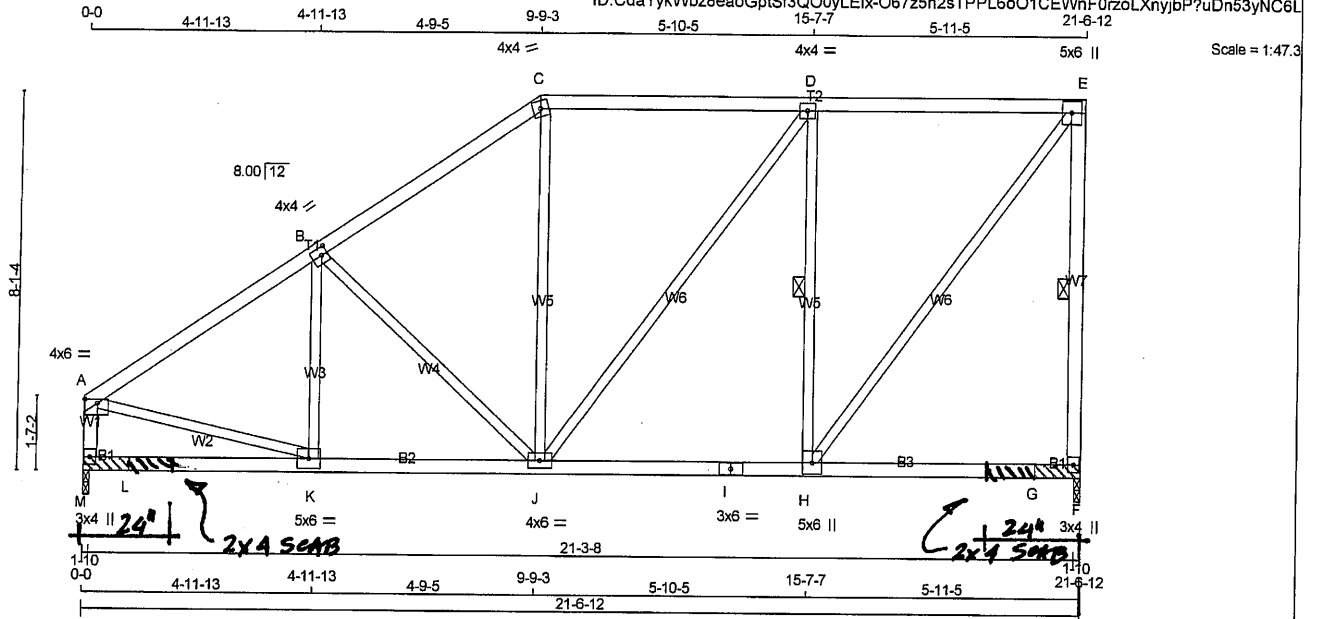


DRWG NO. TAM 11812298
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T25	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 104 = 208 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-p	MT20	5.0	6.0		
F	BMV1-p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	6.0		
K	BMVW-t	MT20	5.0	6.0		
M	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
F	1643	0	1643	0
M	1643	0	1643	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
F	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0
M	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. F ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 19 NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. M ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 19 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.34 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-F, D-H.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	WEBS MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)
FR-TO									
A-B	-1714 / 0	-124.4	-124.4	0.60 (1)	4.34	K-B	-223 / 101	0.08 (1)	0.38 (1)
B-C	-1398 / 0	-124.4	-124.4	0.56 (1)	4.74	B-J	-455 / 0	0.38 (1)	0.07 (2)
C-D	-1130 / 0	-124.4	-124.4	0.79 (1)	4.49	J-C	0 / 297	0.06 (1)	0.46 (1)
D-E	-985 / 0	-124.4	-124.4	0.78 (1)	4.76	J-D	0 / 246	0.37 (1)	0.34 (1)
F-E	-1576 / 0	0.0	0.0	0.47 (1)	5.28	H-D	-1107 / 0	0.46 (1)	0.37 (1)
M-A	-1584 / 0	0.0	0.0	0.17 (1)	6.56	H-E	0 / 1627	0.37 (1)	0.34 (1)
M-L	0 / 0	-28.0	-28.0	0.17 (3)	10.00	A-K	0 / 1506	0.34 (1)	
L-K	0 / 0	-28.0	-28.0	0.17 (3)	10.00				
K-J	0 / 1459	-28.0	-28.0	0.31 (2)	10.00				
J-I	0 / 985	-28.0	-28.0	0.35 (2)	10.00				
I-H	0 / 985	-28.0	-28.0	0.35 (2)	10.00				
H-G	0 / 0	-28.0	-28.0	0.27 (3)	10.00				
G-F	0 / 0	-28.0	-28.0	0.27 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 34.8 PSF
DL	= 8.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.79/1.00 (C-D:1), BC=0.35/1.00 (H-J:2), WB=0.46/1.00 (D-H:1), SS=0.36/1.00 (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.

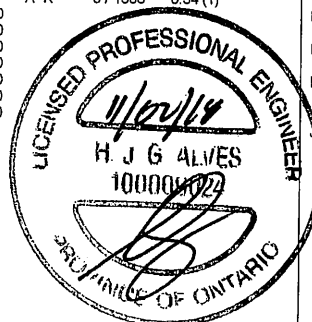
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP= 0.82 (A) (INPUT = 0.90)
ISI METAL= 0.39 (A) (INPUT = 1.00)



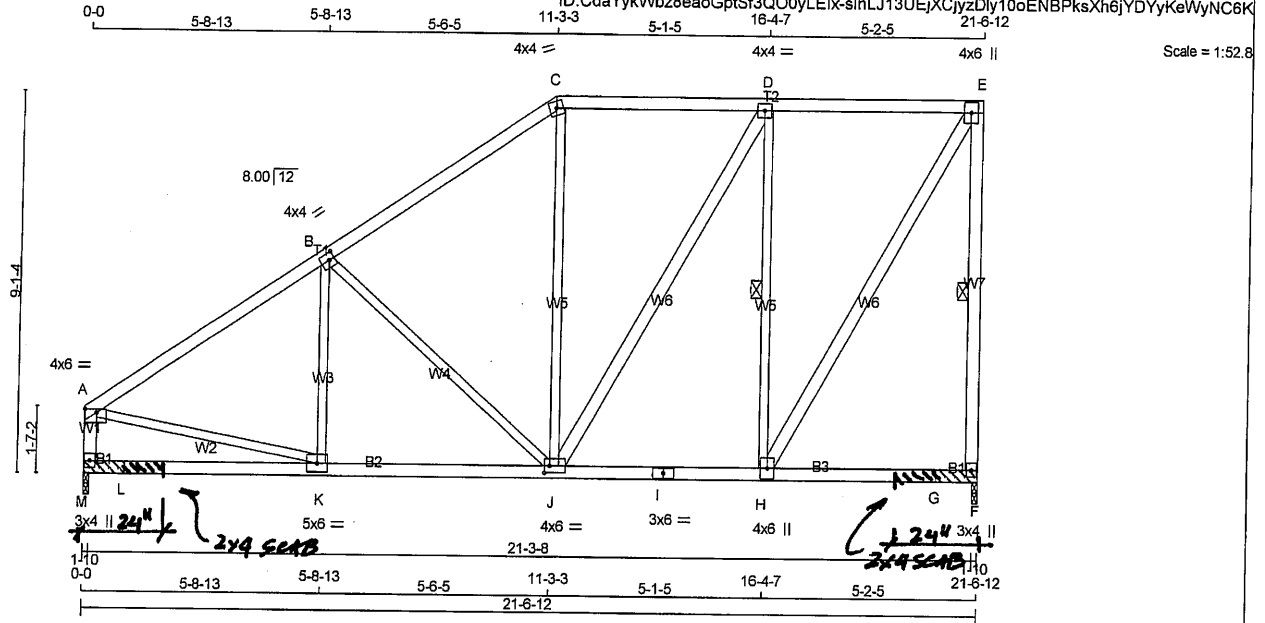
DRWG NO. TAM 1812249
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T26	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 116 = 232 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	6.0	2.00	1.50
K	BMVW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQRD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
F	1643	0	1643	0	0
M	1643	0	1643	0	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
F	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0
M	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. F ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. M ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
FR-TO	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)
A-B	-1717 / 0	-124.4	-124.4 0.57 (1)	K-B	-146 / 173
B-C	-1257 / 0	-124.4	-124.4 0.53 (1)	B-J	-624 / 0
C-D	-1006 / 0	-124.4	-124.4 0.43 (1)	J-C	0 / 240
D-E	-788 / 0	-124.4	-124.4 0.43 (1)	J-D	0 / 442
F-E	-1584 / 0	0.0	0.0 0.61 (1)	H-D	-1177 / 0
M-A	-1577 / 0	0.0	0.0 0.17 (1)	H-E	0 / 1553
				A-K	0 / 1503
M-L	0 / 0	-28.0	-28.0 0.25 (3)		
L-K	0 / 0	-28.0	-28.0 0.25 (3)		
K-J	0 / 1467	-28.0	-28.0 0.38 (2)		
J-I	0 / 788	-28.0	-28.0 0.26 (2)		
I-H	0 / 788	-28.0	-28.0 0.26 (2)		
H-G	0 / 0	-28.0	-28.0 0.19 (3)		
G-F	0 / 0	-28.0	-28.0 0.19 (3)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.61/1.00 (E-F:1), BC=0.38/1.00 (J-K:2), WB=0.72/1.00 (B-J:1), SSI=0.31/1.00 (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

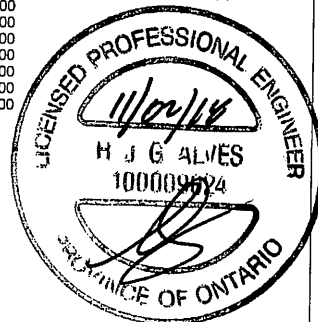
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.39 (A) (INPUT = 1.00)

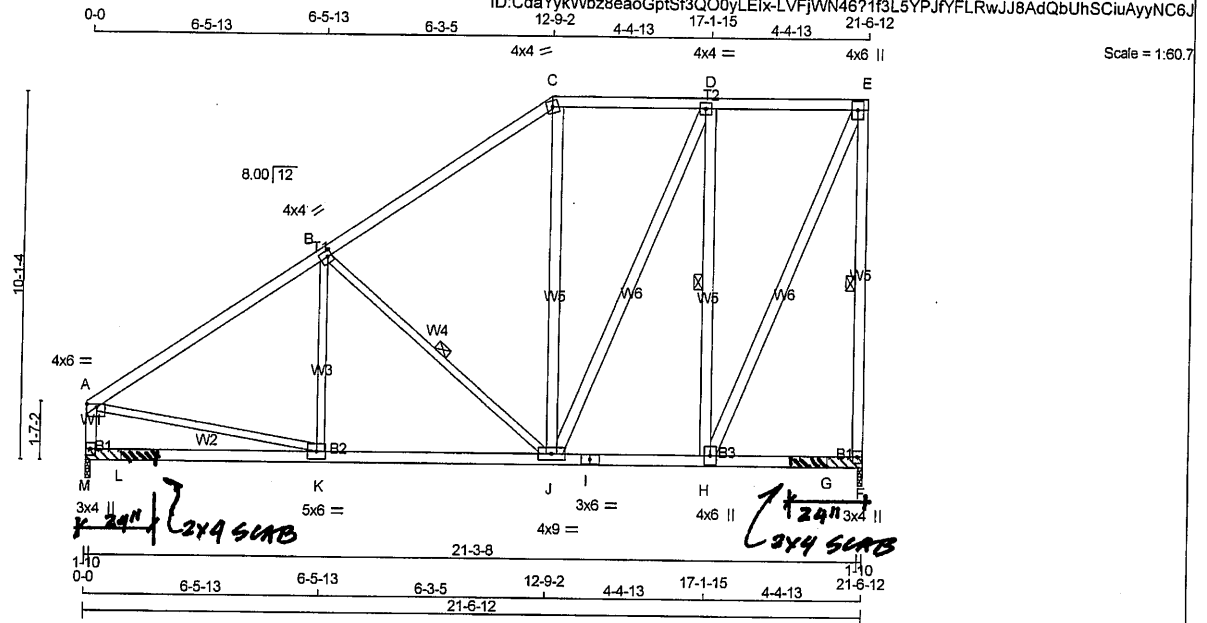


DRWG NO. TAM 1812300
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T27	QUANTITY 3	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 128 = 384 lb
[M][F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	9.0		
K	BMVW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT	VERT 1643	DOWN 1643	1-10	1-10 & BLOCK
F	HORZ 0	HORZ 0	1-10	1-10 & BLOCK
M	HORZ 0	HORZ 0	1-10	1-10 & BLOCK

UNFACTORED REACTIONS

1ST LCASE	MAX / MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
F	1300	750 / 0 226 / 0 0 / 0 0 / 0 323 / 0 0 / 0
M	1300	750 / 0 226 / 0 0 / 0 0 / 0 323 / 0 0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. F ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. ¹⁴ NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. M ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. ¹⁴ NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.03 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-F, B-J, D-H.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC LENGTH FR-TO
A-B	-1704 / 0	-124.4	-124.4	0.75 (1)	4.03	K-B	-80 / 238	0.06 (3)	
B-C	-1102 / 0	-124.4	-124.4	0.69 (1)	4.92	B-J	-785 / 0	0.39 (1)	
C-D	-871 / 0	-124.4	-124.4	0.31 (1)	6.16	J-C	0 / 185	0.03 (3)	
D-E	-620 / 0	-124.4	-124.4	0.30 (1)	6.25	J-D	0 / 633	0.10 (1)	
F-E	-1591 / 0	0.0	0.0	0.79 (1)	5.24	H-D	-1256 / 0	0.63 (1)	
M-A	-1570 / 0	0.0	0.0	0.17 (1)	6.58	H-E	0 / 1515	0.24 (1)	
M-L	0 / 0	-28.0	-28.0	0.33 (3)	10.00	A-K	0 / 1490	0.34 (1)	
L-K	0 / 0	-28.0	-28.0	0.33 (3)	10.00				
K-J	0 / 1462	-28.0	-28.0	0.45 (2)	10.00				
J-I	0 / 620	-28.0	-28.0	0.22 (2)	10.00				
I-H	0 / 620	-28.0	-28.0	0.22 (2)	10.00				
H-G	0 / 0	-28.0	-28.0	0.12 (3)	10.00				
G-F	0 / 0	-28.0	-28.0	0.12 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 088-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.79/1.00 (E-F:1), BC=0.45/1.00 (J-K:2), WB=0.63/1.00 (D-H:1), SS=0.32/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

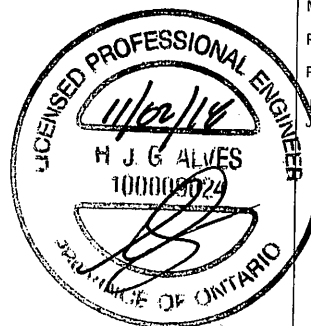
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SSI GRIP= 0.84 (A) (INPUT = 0.90)
SSI METAL= 0.40 (A) (INPUT = 1.00)

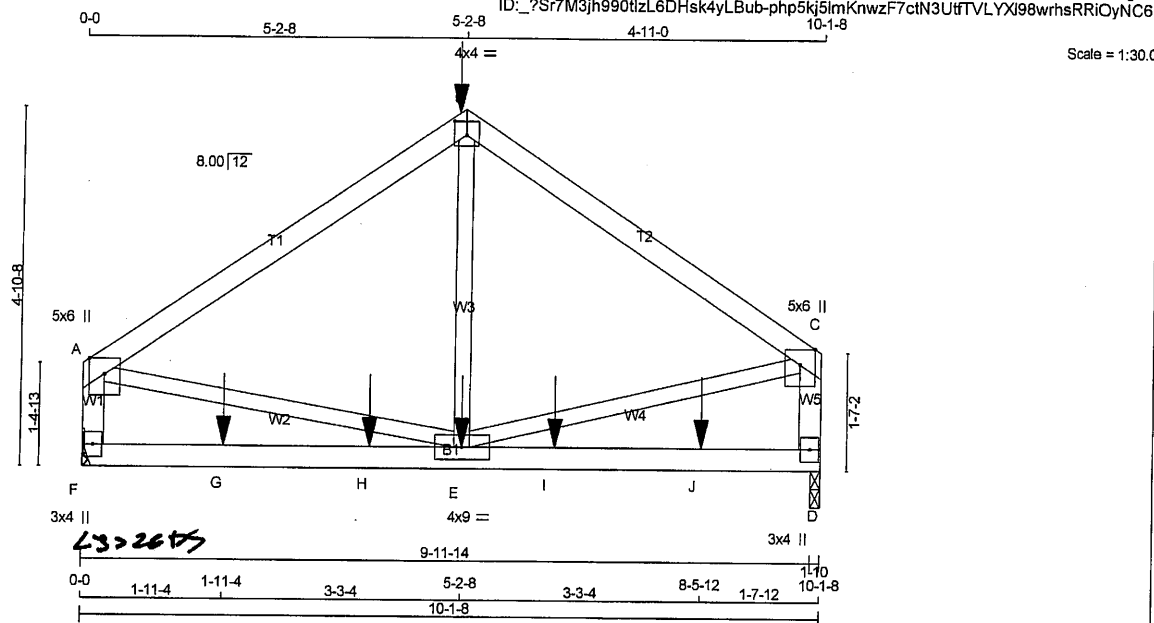


DRWG NO. TAM 178/2301
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T33	QUANTITY 1	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:30.0

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 2x3 DRY No.2 EXCEPT

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	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMVW+p	MT20	5.0	6.0	Edge	
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

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

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 648.5 lbs FACTORED DOWN AT 5-2-8 ON TOP CHORD, AND 75.3 lbs FACTORED DOWN AT 1-11-4, 58.9 lbs FACTORED DOWN AT 3-11-4, 58.9 lbs FACTORED DOWN AT 5-2-8, AND 58.9 lbs FACTORED DOWN AT 8-5-12, AND 75.3 lbs FACTORED DOWN AT 8-5-12 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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	1202	1202	0	0
F D	1227	1227	0	0

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT F.

UNFACTORED REACTIONS

JT	1ST CASE	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	958	546 / 0	176 / 0	0 / 0	0 / 0	236 / 0	0 / 0	0 / 0
D	978	557 / 0	180 / 0	0 / 0	0 / 0	241 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.85 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1078 / 0	-124.4 -124.4	0.71 (1)	E-B	-82 / 342	0.09 (3)	
B-C	-1078 / 0	-124.4 -124.4	0.63 (1)	A-E	0 / 916	0.23 (1)	
F-A	-1108 / 0	0.0 0.0	0.13 (1)	E-C	0 / 926	0.23 (1)	
D-C	-1136 / 0	0.0 0.0	0.13 (1)				
F-G	0 / 0	-28.0 -28.0	0.40 (3)				
G-H	0 / 0	-28.0 -28.0	0.40 (3)				
H-E	0 / 0	-28.0 -28.0	0.40 (3)				
E-I	0 / 0	-28.0 -28.0	0.40 (3)				
I-J	0 / 0	-28.0 -28.0	0.40 (3)				
J-D	0 / 0	-28.0 -28.0	0.40 (3)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	5-2-8	-456	-456	—	BACK	VERT	TOTAL
E	5-2-8	-42	-42	—	BACK	VERT	TOTAL
G	1-11-4	-67	-67	—	BACK	VERT	TOTAL
H	3-11-4	-42	-42	—	BACK	VERT	TOTAL
I	6-5-12	-42	-42	—	BACK	VERT	TOTAL
J	8-5-12	-67	-67	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.34")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.71/1.00 (A-B:1), BC=0.40/1.00 (E-F:3),
WB=0.23/1.00 (C-E:1), SSI=0.23/1.00 (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

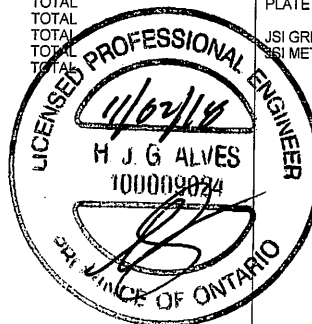
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.68 (A) (INPUT = 0.90)
JSI METAL= 0.22 (A) (INPUT = 1.00)

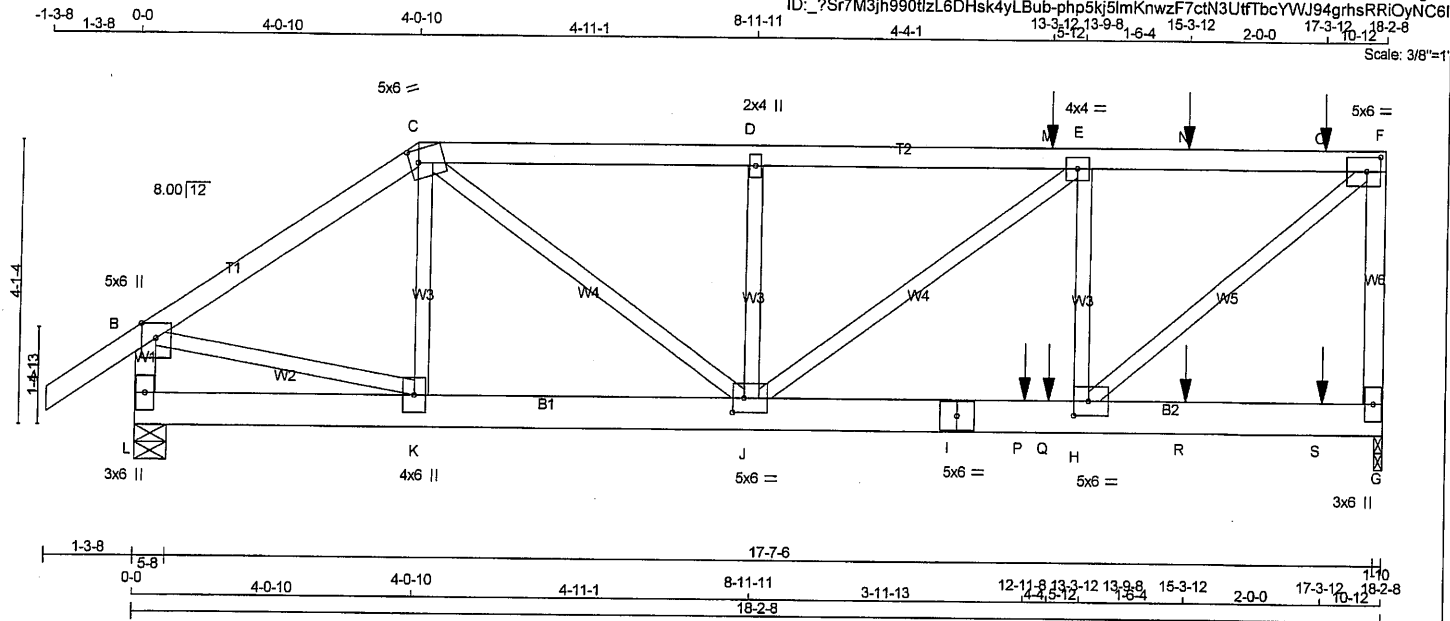


DWG NO. TAM 17012302
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T71	QUANTITY 1	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tlzL6DHsk4yLBub-php5kjl5mKnwzF7ctN3UftTbcYVWJ94grhsRRiOyNC6I



TOTAL WEIGHT = 2 X 86 = 172 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
G - F		2x4	DRY	No.2	SPF
L - B		2x4	DRY	No.2	SPF
L - I		2x6	DRY	No.2	SPF
I - G		2x6	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

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

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

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	5.0	6.0	Edge	
C TTWW-m	MT20	5.0	6.0	2.25	1.50
D TMVW+w	MT20	2.0	4.0		
E TMVW-t	MT20	4.0	4.0		
F TMVW+t	MT20	5.0	6.0	2.50	2.50
G BMV1+p	MT20	3.0	6.0		
H BMVW-t	MT20	5.0	6.0	2.50	2.50
I BS-t	MT20	5.0	6.0		
J BMVW+t	MT20	5.0	6.0	2.50	2.00
K BMVW+t	MT20	4.0	6.0		
L BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1)

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD IN-SX
	VERT	HORZ	DOWN	HORZ		
G	3003	0	3003	0	1-10	1-10
L	2107	0	2107	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
G	2352	1396 / 0	381 / 0	0 / 0	0 / 0	575 / 0	0 / 0
L	1638	991 / 0	251 / 0	0 / 0	0 / 0	396 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 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					WEBS				
MEMB.	FORCE	FACTORED	FACTORED		MEMB.	FORCE	FACTORED		
	(LBS)	VERT. LOAD	LC1 MAX			(LBS)	MAX		
		(PLF)	CSI (LC)				CSI (LC)		
FR-TO		FROM	TO	MAX. UNBRAC	FR-TO				
				LENGTH					
A-B	0 / 47	-124.4	-124.4	0.09 (1)	10.00	K-C	-339 / 36	0.04 (1)	
B-C	-2151 / 0	-124.4	-124.4	0.22 (1)	5.79	C-J	0 / 1700	0.21 (1)	
C-D	-3133 / 0	-124.4	-124.4	0.28 (1)	4.97	J-D	-650 / 0	0.08 (1)	
D-M	-3134 / 0	-124.4	-124.4	0.32 (1)	4.88	J-E	0 / 45	0.01 (1)	
M-E	-3134 / 0	-124.4	-124.4	0.32 (1)	4.88	H-E	-960 / 0	0.16 (1)	
E-N	-3098 / 0	-124.4	-124.4	0.31 (1)	4.91	H-F	0 / 4054	0.50 (1)	
N-O	-3098 / 0	-124.4	-124.4	0.31 (1)	4.91	B-K	0 / 4054	0.50 (1)	
O-F	-3098 / 0	-124.4	-124.4	0.31 (1)	4.91				
G-F	-2988 / 0	0.0	0.0	0.37 (1)	6.67				
L-B	-2049 / 0	0.0	0.0	0.11 (1)	7.72				
L-K	0 / 0	-28.0	-28.0	0.03 (3)	10.00				
K-J	0 / 1777	-28.0	-28.0	0.18 (1)	10.00				
J-I	0 / 3098	-28.0	-28.0	0.49 (1)	10.00				
I-P	0 / 3098	-28.0	-28.0	0.49 (1)	10.00				
P-Q	0 / 3098	-28.0	-28.0	0.49 (1)	10.00				
Q-H	0 / 3098	-28.0	-28.0	0.49 (1)	10.00				
H-R	0 / 0	-28.0	-28.0	0.15 (1)	10.00				
R-S	0 / 0	-28.0	-28.0	0.15 (1)	10.00				
S-G	0 / 0	-28.0	-28.0	0.15 (1)	10.00				

PROFESSIONAL

4/10/21/10

H. J. G. ALVER

100000024

2021

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
M	13-3-12	-103	-103	—	BACK	VERT	TOTAL
N	15-3-12	-103	-103	—	BACK	VERT	TOTAL
O	17-3-12	-107	-107	—	BACK	VERT	TOTAL
P	12-11-8	-1212	-1212	—	BACK	VERT	TOTAL
Q	13-3-12	-50	-50	—	BACK	VERT	TOTAL
R	15-3-12	-50	-50	—	BACK	VERT	TOTAL
S	17-3-12	-52	-52	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.37/1.00 (F-G:1), BC=0.49/1.00 (H-J:1), WB=0.50/1.00 (F-H:1), SSI=0.49/1.00 (H-J: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)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (F) (INPUT = 0.90)
JSI METAL= 0.48 (I) (INPUT = 1.00)

DWG NO. TAM 17812303
STRUCTURAL
COMPONENT ONLY 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T71	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tLzL6DHsk4yLBub-php5Kj5lmKnwzF7ctN3UftTbcYVWJ94grhsRRiOyNC6I

HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 13-3-12, AND 149.7 lbs FACTORED DOWN AT 15-3-12, AND 156.2 lbs FACTORED DOWN AT 17-3-12 ON TOP CHORD, AND 1567.9 lbs FACTORED DOWN AT 12-11-8, 69.9 lbs FACTORED DOWN AT 13-3-12, AND 69.9 lbs FACTORED DOWN AT 15-3-12, AND 72.5 lbs FACTORED DOWN AT 17-3-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



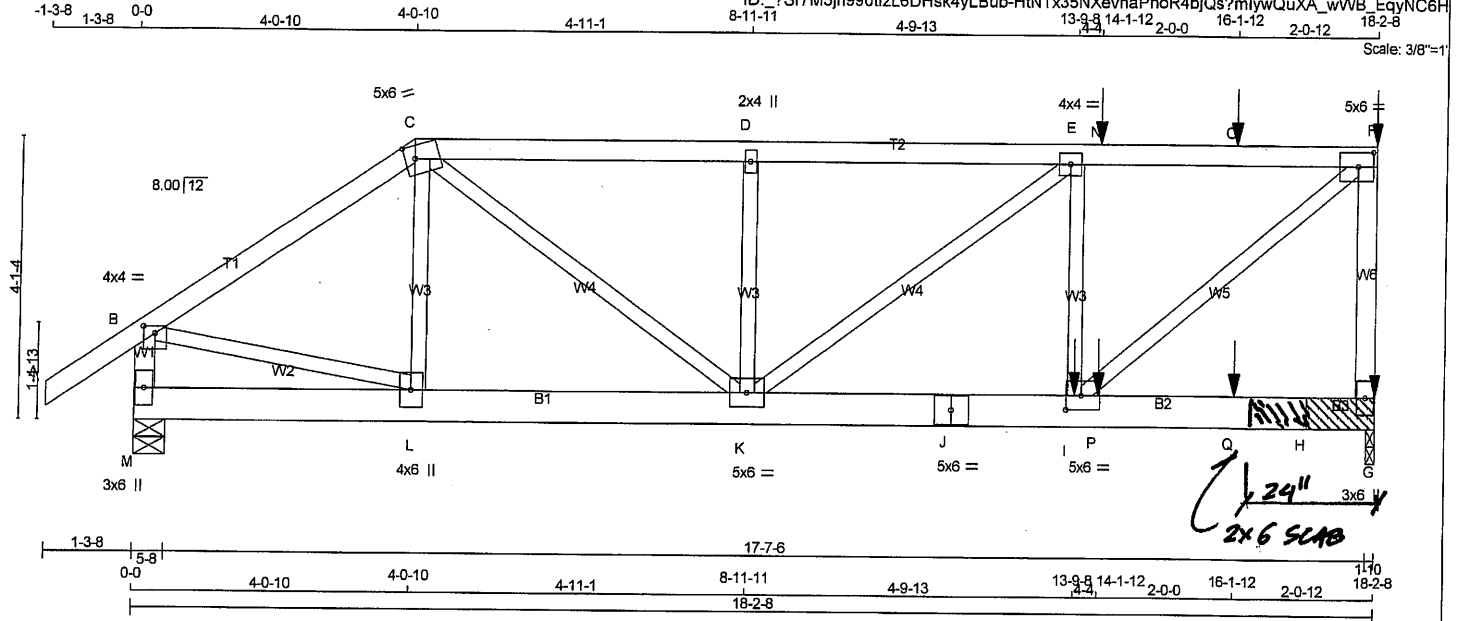
DWG NO. TAM 11812303
STRUCTURAL
COMPONENT ONLY 2/2

JOB NAME 290539	TRUSS NAME T71Z	QUANTITY 1	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990ttzL6DHsk4yLBub-HtNTx35NXevnaPhoR4bjQs?mlywQuXA_wWw_EgyNC6H



TOTAL WEIGHT = 2 X 88 = 175 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
G - F	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x6	DRY	No.2	SPF
J - G	2x6	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	TOP
C - F	12	SIDE(61.0)
F - G	12	TOP
M - B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M - J	12	TOP
J - G	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
E - I	6	SIDE(239.6)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.50	2.75
G	BMV1+p	MT20	3.0	6.0		
I	BMWW-t	MT20	5.0	6.0	2.50	2.75
J	BS-t	MT20	5.0	6.0		
K	BMWW-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1)

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	3178	0	3178	0	0	1-10	1-10 & BLOCK
M	2015	0	2015	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
G	2490	1477 / 0	404 / 0
M	1567	947 / 0	241 / 0

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

2x6 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 21 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.97 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 47	L-C	-256 / 68
B-C	-2045 / 0	C-K	0 / 1463
C-D	-2859 / 0	K-D	-644 / 0
D-E	-2859 / 0	K-E	-173 / 0
E-N	-2996 / 0	I-E	-2270 / 0
N-O	-2996 / 0	I-F	-2270 / 0
O-F	-2996 / 0	B-F	-2270 / 0
G-F	-3025 / 0		
M-B	-1968 / 0		
M-L	0 / 0		
L-K	0 / 1691		
K-J	0 / 2996		
J-I	0 / 2996		
I-P	0 / 0		
P-Q	0 / 0		
Q-H	0 / 0		
H-G	0 / 0		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
F	18-2-8	-136	-136	---	FRONT	VERT
G	18-2-8	-63	-63	---	FRONT	VERT
I	13-9-8	-1238	-1238	---	FRONT	VERT
N	14-1-12	-103	-103	---	FRONT	VERT
O	16-1-12	-103	-103	---	FRONT	VERT
P	14-1-12	-50	-50	---	FRONT	VERT
Q	16-1-12	-50	-50	---	FRONT	VERT

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.38/1.00 (F-G-1), BC=0.24/1.00 (I-K-1), WB=0.49/1.00 (F-I-1), SS=0.24/1.00 (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)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (I) (INPUT = 0.90)

JSI METAL= 0.37 (I) (INPUT = 1.00)

DRWG NO. TAM **T71Z304**
STRUCTURAL
COMPONENT ONLY **1/2**

CONTINUED ON PAGE 2

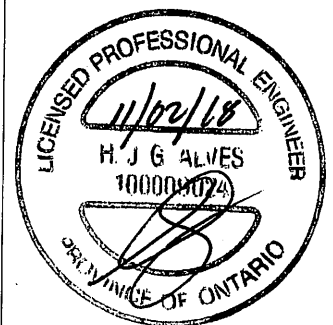
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T71Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:16 2018 Page 2
ID: ?Sr7M3jh990tizL6DHsk4yLBub-HtNTx35NXevnaPhoR4bjQs?mlywQuXA_wWB_EgyNC6H

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 14-1-12, AND 149.7 lbs FACTORED DOWN AT 16-1-12, AND 197.7 lbs FACTORED DOWN AT 18-2-8 ON TOP CHORD, AND 1620.3 lbs FACTORED DOWN AT 13-9-8, 69.9 lbs FACTORED DOWN AT 14-1-12, AND 69.9 lbs FACTORED DOWN AT 16-1-12, AND 88.8 lbs FACTORED DOWN AT 18-2-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

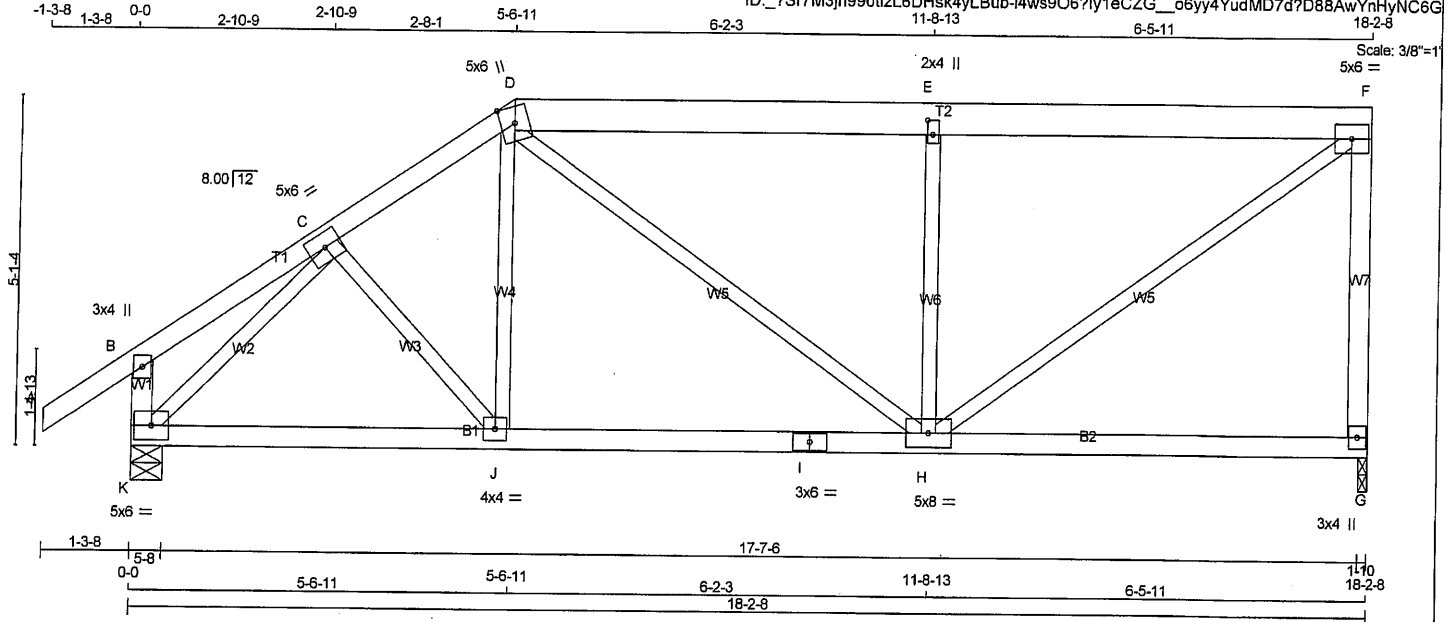


DWG NO. TAM 11812304
STRUCTURAL
COMPONENT ONLY 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T72	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:09:17 2018 Page 1
ID: ?Sr7M3jh990tlzL6DHsk4yL Bub-l4ws9O67ly1eCZG_o6yy4YudMD7d?D88AwYnHyNC6G



TOTAL WEIGHT = 2 X 84 = 169 lb [M]

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x6	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	Edge	
E	TMV+w	MT20	2.0	4.0	2.50	1.00
F	TMVV-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	5.0	8.0		
I	BS-t	MT20	3.0	6.0		
J	BMVWW-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	5.0	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	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
G	1387	0	1387	0
K	1558	0	1558	0

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. SNOW	MIN. LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	1098	634 / 0	191 / 0	0 / 0	0 / 0	273 / 0	0 / 0
K	1215	729 / 0	191 / 0	0 / 0	0 / 0	295 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.36 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	UNBRACED LENGTH
FR-TO		FROM	TO	FR-TO			
A-B	0 / 47	-124.4	-124.4	0.17 (1)	C-J	0 / 108	0.03 (3)
B-C	0 / 19	-124.4	-124.4	0.13 (1)	J-D	0 / 235	0.06 (3)
C-D	-1389 / 0	-124.4	-124.4	0.15 (1)	D-H	0 / 281	0.06 (1)
D-E	-1365 / 0	-124.4	-124.4	0.39 (1)	H-E	-969 / 0	0.35 (1)
E-F	-1364 / 0	-124.4	-124.4	0.39 (1)	H-F	0 / 1690	0.38 (1)
G-F	-1313 / 0	0.0	0.0	0.53 (1)	K-C	-1636 / 0	0.43 (1)
K-B	-308 / 0	0.0	0.0	0.03 (1)			
K-J	0 / 1124	-28.0	-28.0	0.33 (2)			10.00
J-I	0 / 1142	-28.0	-28.0	0.40 (2)			10.00
I-H	0 / 1142	-28.0	-28.0	0.40 (2)			10.00
H-G	0 / 0	-28.0	-28.0	0.31 (3)			10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.53/1.00 (F-G:1), BC=0.40/1.00 (H-J:2), WB=0.43/1.00 (C-K:1), SSI=0.29/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (H) (INPUT = 0.90)
JSI METAL= 0.40 (C) (INPUT = 1.00)

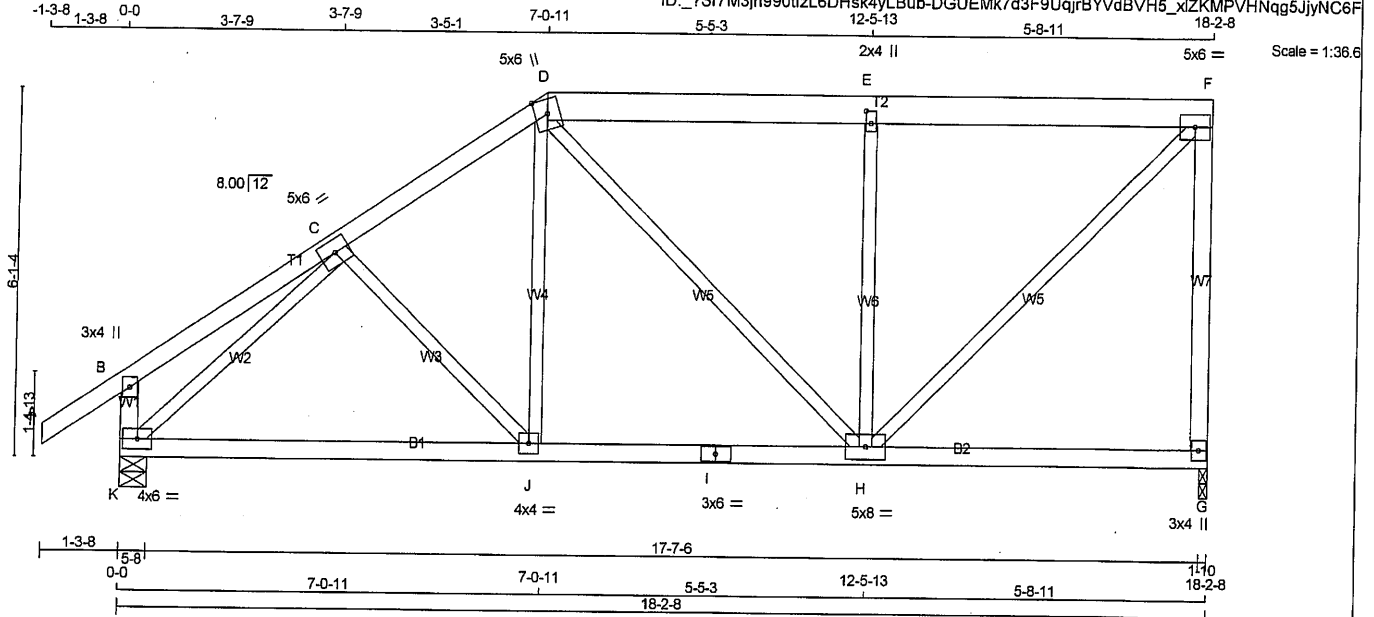


DWG NO. TAM 1192305
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T73	QUANTITY 2	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MTek Industries, Inc. Fri Nov 2 16:09:18 2018 Page 1
ID: ?S7M3jh990tlzL6DHsk4yLBub-DGUEMk7d3F9UqjrBYVdVH5_xlZKMPVHNqg5JjyNC6F



TOTAL WEIGHT = 2 X 88 = 176 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - F	2x6	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
K - B	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVW+t	MT20	5.0	6.0		
D TTWV+m	MT20	5.0	6.0	Edge	
E TMVW+w	MT20	2.0	4.0	2.50	1.00
F TMVW-t	MT20	5.0	6.0		
G BMV1+p	MT20	3.0	4.0		
H BMVWV-t	MT20	5.0	8.0		
I BS-t	MT20	3.0	6.0		
J BMVW-t	MT20	2.0	4.0		
K BMVW-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

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
JT	1387	0	1387	0	1-10	1-10
G	1558	0	1558	0	5-8	5-8

UNFACTORED REACTIONS

	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
JT	1098	634 / 0	191 / 0	0 / 0	0 / 0	273 / 0	0 / 0
G	1215	729 / 0	191 / 0	0 / 0	0 / 0	295 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.34 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	C-J	-144 / 56
B-C	0 / 27	-124.4	-124.4	0.24 (1)	10.00	J-D	0 / 348
C-D	-1303 / 0	-124.4	-124.4	0.26 (1)	5.34	D-H	-60 / 0
D-E	-1038 / 0	-124.4	-124.4	0.30 (1)	6.25	H-E	-852 / 0
E-F	-1037 / 0	-124.4	-124.4	0.30 (1)	6.25	H-F	0 / 1468
G-F	-1320 / 0	0.0	0.0	0.88 (1)	7.04	K-C	-1629 / 0
K-B	-341 / 0	0.0	0.0	0.04 (1)	7.81		
K-J	0 / 1167	-28.0	-28.0	0.41 (2)	10.00		
J-I	0 / 1060	-28.0	-28.0	0.41 (3)	10.00		
I-H	0 / 1060	-28.0	-28.0	0.41 (3)	10.00		
H-G	0 / 0	-28.0	-28.0	0.21 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CS1: TC=0.88/1.00 (F-G:1), BC=0.41/1.00 (H-J:3), WB=0.62/1.00 (C-K:1), SSI=0.26/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

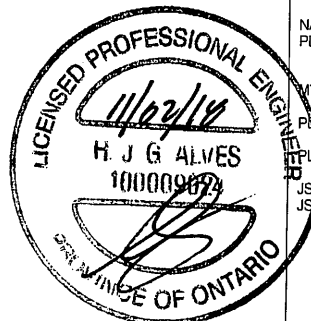
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.89 (K) (INPUT = 0.90)
JS METAL= 0.39 (C) (INPUT = 1.00)

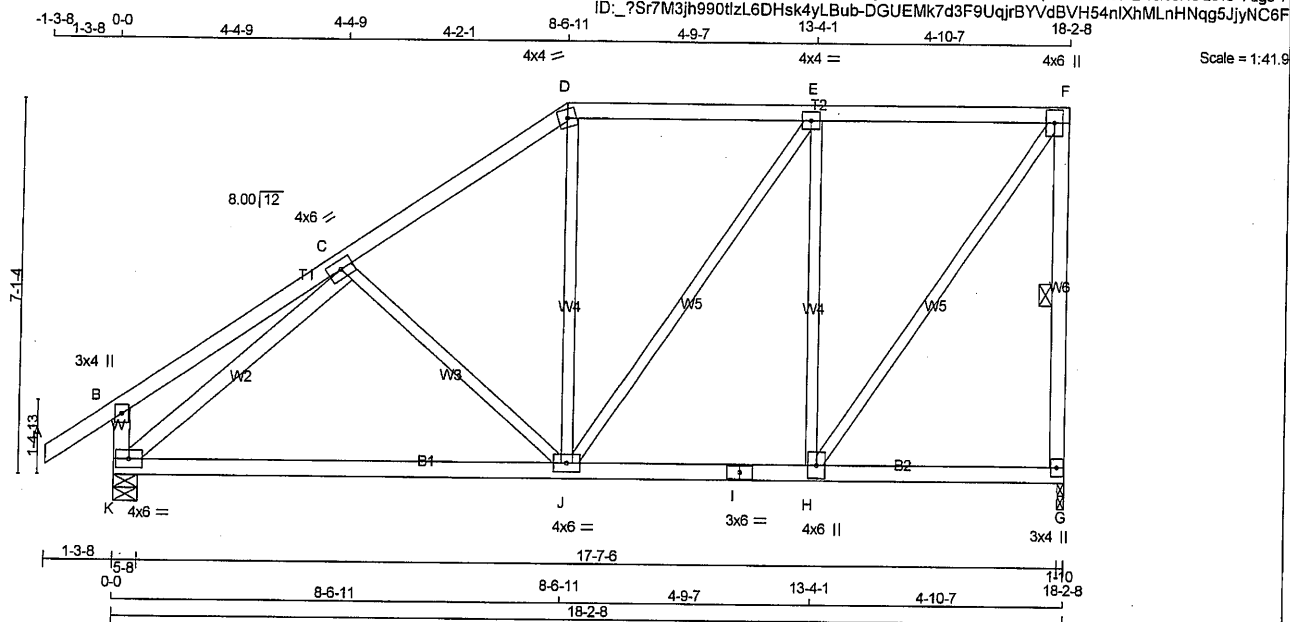


DWG NO. TAM 118/2306
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T74	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: _?Sr7M3jh990tzL6DHsk4yLBub-DGUEMK7d3F9UqjrBYVdBVH54nIXhMLnHNqg5JjyNC6F



TOTAL WEIGHT = 2 X 88 = 177 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW+t	MT20	4.0	6.0		
D	TTV-m	MT20	4.0	4.0		
E	TMVW+t	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW+t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW+t	MT20	4.0	6.0		
K	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
		GROSS REACTION		GROSS REACTION		BRG		BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
G		1387	0	1387	0	1-10	1-10		
K		1558	0	1558	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1098	634 / 0	191 / 0	0 / 0	0 / 0	273 / 0	0 / 0
K	1215	729 / 0	191 / 0	0 / 0	0 / 0	295 / 0	0 / 0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 MAX. (CSI (LC))	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 MAX. (CSI (LC))
FR-TO		FROM TO		FR-TO			
A-B	0 / 47	-124.4 -124.4	0.17 (1)	10.00	C-J	-312 / 9	0.19 (1)
B-C	0 / 35	-124.4 -124.4	0.37 (1)	10.00	J-D	0 / 259	0.06 (3)
C-D	-1175 / 0	-124.4 -124.4	0.41 (1)	5.33	J-E	0 / 298	0.07 (1)
D-E	-950 / 0	-124.4 -124.4	0.51 (1)	5.57	H-E	-987 / 0	0.86 (1)
E-F	-781 / 0	-124.4 -124.4	0.50 (1)	6.00	H-F	0 / 1344	0.30 (1)
G-F	-1325 / 0	0.0 0.0	0.30 (1)	5.63	K-C	-1602 / 0	0.65 (1)
K-B	-373 / 0	0.0 0.0	0.04 (1)	7.81			
K-J	0 / 1179	-28.0 -28.0	0.57 (3)	10.00			
J-I	0 / 781	-28.0 -28.0	0.55 (3)	10.00			
I-H	0 / 781	-28.0 -28.0	0.55 (3)	10.00			
H-G	0 / 0	-28.0 -28.0	0.18 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8	PSF
	DL = 8.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 60.3	PSF

SPACING = 24.0 IN./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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= $L/360$ (0.61")
 CALCULATED VERT. DEFL.(LL) = $L/988$ (0.22")
 ALLOWABLE DEFL.(TL)= $L/360$ (0.61")
 CALCULATED VERT. DEFL.(TL) = $L/591$ (0.37")

CSI: TC=0.51/1.00 (D-E:1), BC=0.57/1.00 (J-K:1), WB=0.86/1.00 (E-H:1), SSI=0.29/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

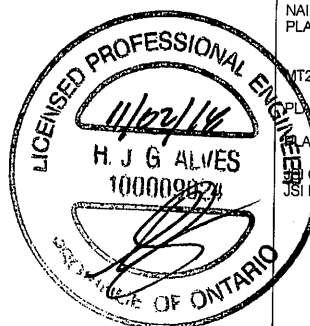
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP= 0.81 (C) (INPUT = 0.90)
 JSI METAL= 0.38 (C) (INPUT = 1.00)

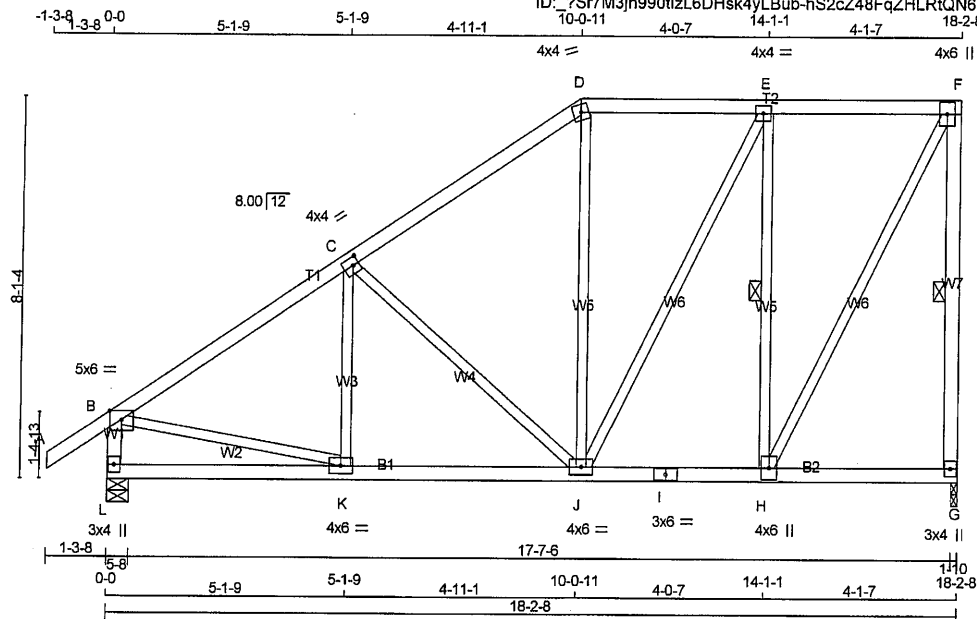


DRWG NO. TAM 118/2307
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:19 2018 Page 1
ID: _?Sr7M3jh990tlzL6DHsk4yLBub-hS2cZ48FgZHLrTQN6C8Q2VdGd9w15upRcUPfr9vNC6E

Scale = 1:46.9



TOTAL WEIGHT = 2 X 94 = 188 lb

DRY: SEASONED LUMBER.

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMWW+p	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWW+t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWWW-t	MT20	4.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

BUILDING BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQ'D BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1387	0	1387	0	0	1-10	1-10
L	1558	0	1558	0	0	5-8	5-8

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1098	634 / 0	191 / 0	0 / 0	0 / 0	273 / 0	0 / 0
L	1215	729 / 0	191 / 0	0 / 0	0 / 0	295 / 0	0 / 0

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

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

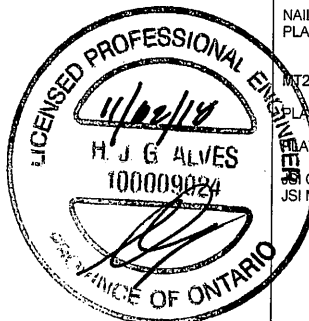
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

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

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

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MAX. FACTORED		FACTORED			MAX. FACTORED				
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	UNBRAC			(LBS)	CSI (LC)	
FR-TO		FROM TO		LENGTH		FR-TO			
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	K-C	-99 / 170	0.04 (3)	
B-C	-1443 / 0	-124.4	-124.4	0.44 (1)	4.93	C-J	-585 / 0	0.49 (1)	
C-D	-1005 / 0	-124.4	-124.4	0.42 (1)	5.68	J-D	0 / 179	0.04 (3)	
D-E	-801 / 0	-124.4	-124.4	0.26 (1)	6.25	H-E	0 / 443	0.10 (1)	
E-F	-602 / 0	-124.4	-124.4	0.28 (1)	6.25	H-E	-1018 / 0	0.42 (1)	
G-F	-1339 / 0	0.0	0.0	0.40 (1)	5.60	H-F	0 / 1291	0.29 (1)	
L-B	-1499 / 0	0.0	0.0	0.15 (1)	6.70	B-K	0 / 1262	0.28 (1)	
L-K	0 / 0	-28.0	-28.0	0.20 (3)	10.00				
K-J	0 / 1235	-28.0	-28.0	0.31 (2)	10.00				
J-I	0 / 602	-28.0	-28.0	0.17 (2)	10.00				
I-H	0 / 602	-28.0	-28.0	0.17 (2)	10.00				
H-G	0 / 0	-28.0	-28.0	0.12 (3)	10.00				



SPECIFIED LOADS:

SPECIFIED LOADS:

TOP CH.	LL =	34.8	PSF
	DL =	8.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.44/1.00 (B-C:1), BC=0.31/1.00 (J-K:2),
WB=0.49/1.00 (C-J:1), SSI=0.26/1.00 (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)		SHEAR		SECTION
	(PSI)		(PLI)		(PLI)
	MAX	MIN	MAX	MIN	MAX
MT20	618	354	1667	822	2284

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

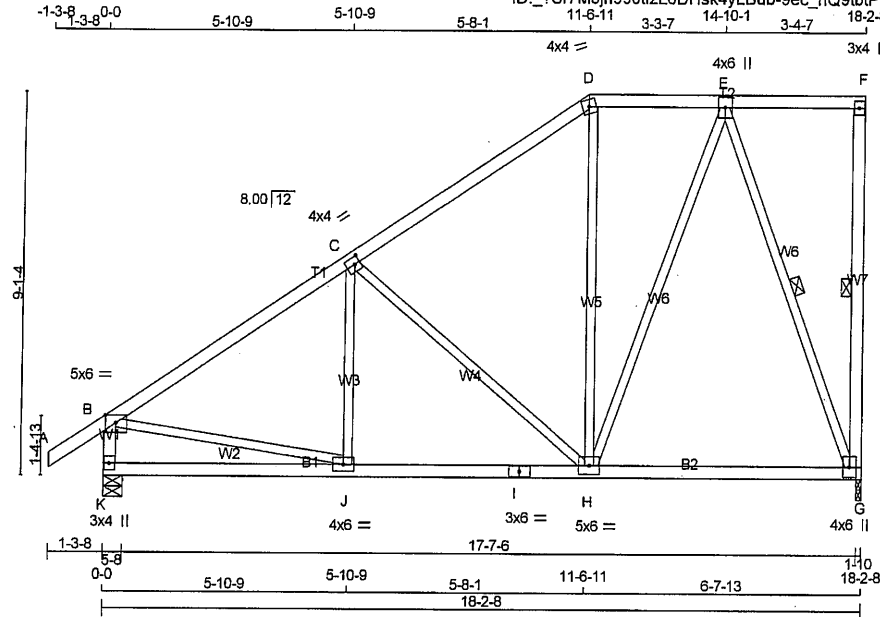
JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.31 (K) (INPUT = 1.00)

DWG NO. TAM 718/2308
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T76	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:09:20 2018 Page 1
ID: ?Sr7M3jh990tlzL6DHsk4yLBub-9ec_nQ9btbPC30?ZgwffaiAO2ZEvqFMaq89COcyNC6D



Scale = 1:52.5

LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

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-t	MT20	4.0	4.0	2.00	1.50
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	TMV-p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	6.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	6.0		
K	BMV-t	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1387	0	1387	0	1-10	1-10
K	1558	0	1558	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. SNOW	MAX/MIN. LIVE	MAX/MIN. PERM. LIVE	MAX/MIN. WIND	MAX/MIN. DEAD	MAX/MIN. SOIL
G	1098	634/0	191/0	0/0	0/0	273/0	0/0
K	1215	729/0	191/0	0/0	0/0	295/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.70 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 F-G, E-G.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS			MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
		VERT. LOAD (PLF)	LC1 MAX	CS1 (LC)			
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0/47	-124.4	-124.4	0.17 (1)	10.00	J-C	-53/204
B-C	-1420/0	-124.4	-124.4	0.58 (1)	4.70	C-H	-727/0
C-D	-858/0	-124.4	-124.4	0.55 (1)	5.76	H-D	0/144
D-E	-672/0	-124.4	-124.4	0.18 (1)	6.25	H-E	0/682
E-F	0/0	-124.4	-124.4	0.22 (1)	10.00	E-G	-1233/0
G-F	-161/0	0.0	0.0	0.06 (1)	6.25	B-J	0/1242
K-B	-1489/0	0.0	0.0	0.15 (1)	6.72		
K-J	0/0	-28.0	-28.0	0.23 (3)	10.00		
J-I	0/1221	-28.0	-28.0	0.40 (2)	10.00		
I-H	0/1221	-28.0	-28.0	0.40 (2)	10.00		
H-G	0/440	-28.0	-28.0	0.33 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8 PSF
	DL = 8.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.58/1.00 (B-C:1), BC=0.40/1.00 (H-J:2), WB=0.86/1.00 (C-H:1), SS=0.29/1.00 (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.

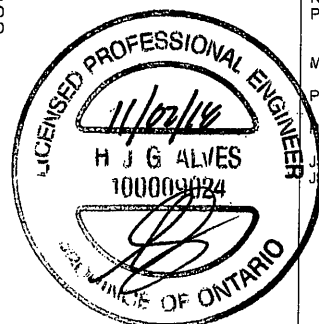
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

J-I GRIP= 0.87 (B) (INPUT = 0.90)
J-I METAL= 0.31 (I) (INPUT = 1.00)

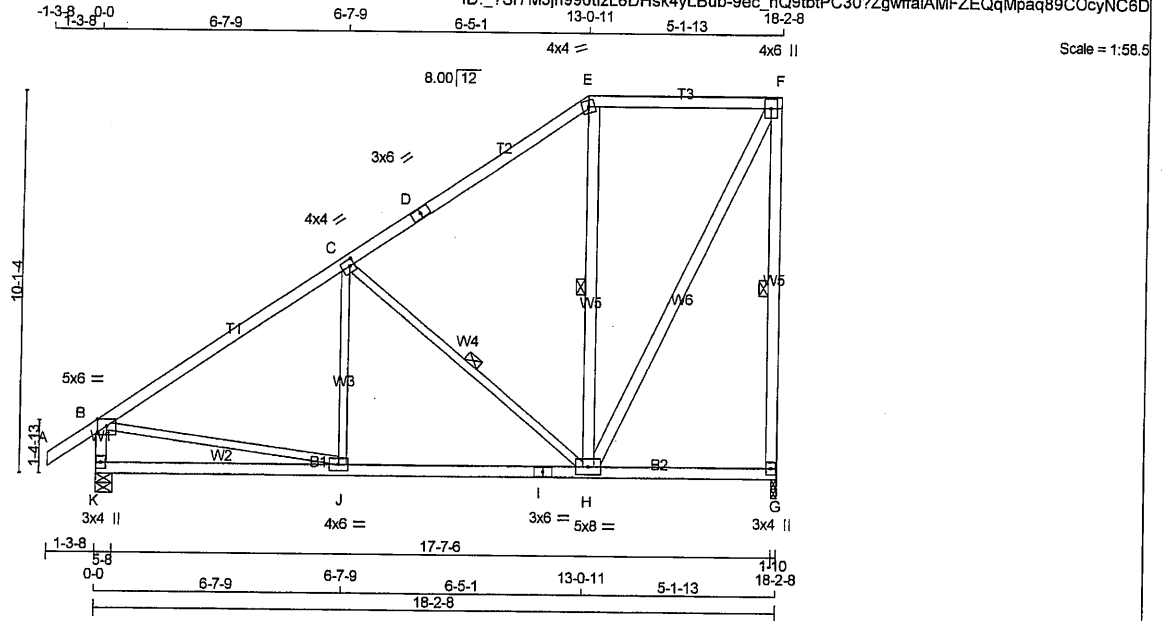


DWG NO. TAM T16/2309
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T77	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MTek Industries, Inc. Fri Nov 2 16:09:20 2018 Page 1
ID: ?Sr7M3jh990tizL6DHsk4yLBub-9ec_nQ9tbtPC30?ZgwffaiAMFZEQqMpaq89C0cyNC6D



TOTAL WEIGHT = 2 X 97 = 195 lb (M/F)

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2	
D - E	2x4	DRY	No.2	
E - F	2x4	DRY	No.2	
G - F	2x4	DRY	No.2	
K - B	2x4	DRY	No.2	
K - I	2x4	DRY	No.2	
I - G	2x4	DRY	No.2	

ALL WEBS 2x3 DRY No.2
EXCEPT
H - E 2x4 DRY No.2
H - F 2x4 DRY No.2
DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	1387	1387	0	0
G	1387	1387	0	0
K	1558	1558	0	0

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT COMBINED	1098	634 / 0	191 / 0	0 / 0	273 / 0	0 / 0
G	1215	729 / 0	191 / 0	0 / 0	295 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 47	-124.4 -124.4	0.17 (1)	J-C	0 / 280	0.07 (3)	
B-C	-1392 / 0	-124.4 -124.4	0.76 (1)	C-H	-889 / 0	0.44 (1)	
C-D	-884 / 0	-124.4 -124.4	0.70 (1)	H-E	-271 / 64	0.13 (1)	
D-E	-884 / 0	-124.4 -124.4	0.70 (1)	H-F	0 / 1139	0.18 (1)	
E-F	-518 / 0	-124.4 -124.4	0.43 (1)	B-J	0 / 1219	0.27 (1)	
G-F	-1333 / 0	0.0 0.0	0.66 (1)				
K-B	-1483 / 0	0.0 0.0	0.15 (1)				
K-J	0 / 0	-28.0 -28.0	0.33 (3)				
J-I	0 / 1204	-28.0 -28.0	0.43 (2)				
I-H	0 / 1204	-28.0 -28.0	0.43 (2)				
H-G	0 / 0	-28.0 -28.0	0.22 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8 PSF
	DL = 8.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 60.3 PSF

SPACING = 24.0 IN. G/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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.76/1.00 (B-C:1), BC=0.43/1.00 (H-J:2), WB=0.44/1.00 (C-H:1), SSI=0.33/1.00 (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.

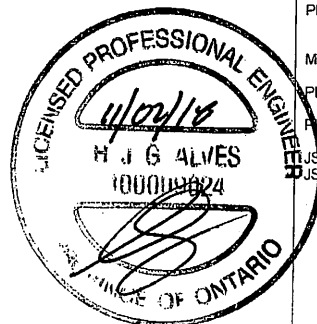
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

US GRIP= 0.87 (B) (INPUT = 0.90)
JSI METAL= 0.30 (B) (INPUT = 1.00)

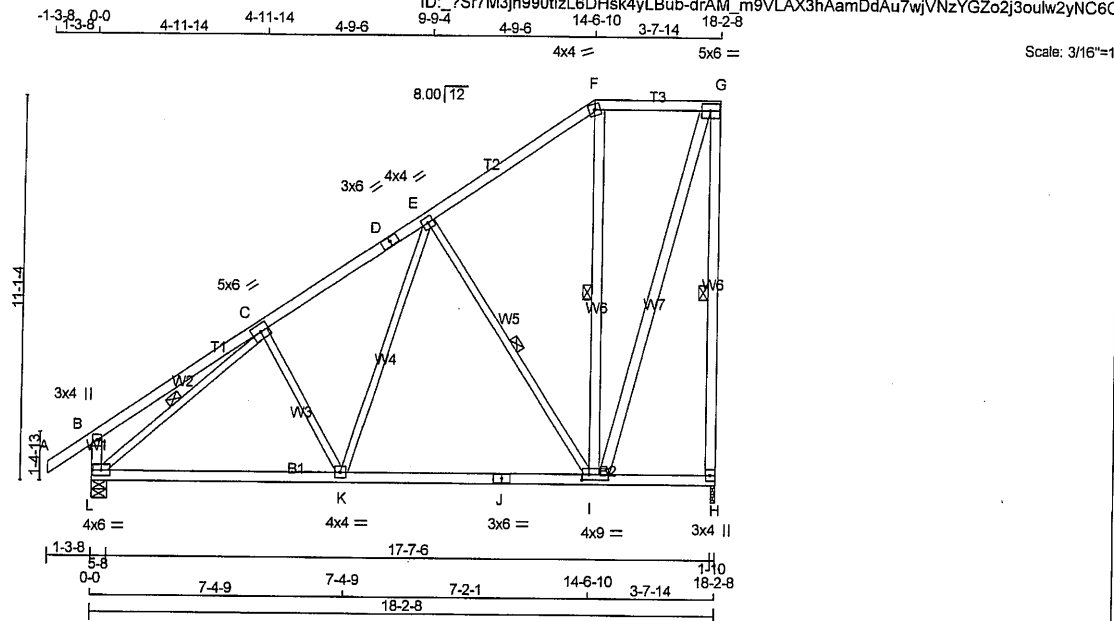


DRWG NO. TAM 17B12310
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T78	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 Mitek Industries, Inc. Fri Nov 2 16:09:21 2018 Page 1
ID: ?Sr7M3jh990tizL6DHsk4yLBub-drAM_m9VLAX3hAamDdAu7wjVNzYgZo2j3oulw2yNC6C



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2		
D - F	2x4	DRY	No.2		
F - G	2x4	DRY	No.2		
H - G	2x4	DRY	No.2		
L - B	2x4	DRY	No.2		
L - J	2x4	DRY	No.2		
J - H	2x4	DRY	No.2		

ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - F	2x4	DRY	No.2
I - G	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-t	MT20	5.0	6.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMVW-t	MT20	4.0	9.0	2.00	2.25
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	4.0		
L	BMVW-t	MT20	4.0	6.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD IN-SX
	VERT	HORZ	DOWN	HORZ		
H	1387	0	1387	0	1-10	1-10
L	1558	0	1558	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
H	1098	634 / 0	191 / 0	0 / 0	0 / 0	273 / 0	0 / 0
L	1215	729 / 0	191 / 0	0 / 0	0 / 0	295 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, E-I, F-I, C-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					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		
FR-TO		FROM TO		LENGTH	FR-TO				
A-B	0 / 47	-124.4 -124.4	0.17 (1)	10.00	C-K	-326 / 7	0.13 (1)		
B-C	0 / 31	-124.4 -124.4	0.38 (1)	10.00	K-E	0 / 545	0.12 (1)		
C-D	-1237 / 0	-124.4 -124.4	0.33 (1)	5.38	E-I	-899 / 0	0.51 (1)		
D-E	-1237 / 0	-124.4 -124.4	0.33 (1)	5.38	I-F	-222 / 43	0.14 (1)		
E-F	-480 / 0	-124.4 -124.4	0.33 (1)	6.25	I-G	0 / 1192	0.19 (1)		
F-G	-368 / 0	-124.4 -124.4	0.21 (1)	5.57	L-C	-1595 / 0	0.46 (1)		
H-G	-1360 / 0	0.0	0.0 0.87 (1)	7.81					
L-B	-417 / 0	0.0	0.0 0.04 (1)						
L-K	0 / 1192	-28.0	-28.0 0.52 (3)	10.00					
K-J	0 / 868	-28.0	-28.0 0.50 (3)	10.00					
J-I	0 / 868	-28.0	-28.0 0.50 (3)	10.00					
I-H	0 / 0	-28.0	-28.0 0.22 (3)	10.00					

A circular seal with the word "PROFESSIONAL" curved along the bottom edge. The center of the seal is partially obscured by the table's content.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	60.3	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 088-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
 CALCULATED VERT. DEFL.(LL)= L/999 (0.11")
 ALLOWABLE DEFL.(TL)= L/360 (0.81")
 CALCULATED VERT. DEFL.(TL)= L/999 (0.18")

CSI: TC=0.87/1.00 (G-H-1), BC=0.52/1.00 (K-L-3), WB=0.51/1.00 (E-I-1), SSI=0.24/1.00 (E-F-1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

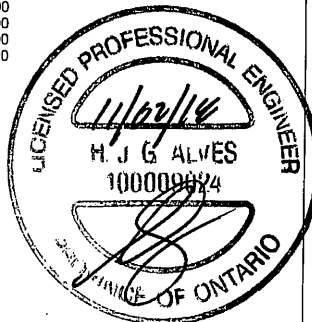
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.85 (L) (INPUT = 0.90)
 SI METAL= 0.41 (J) (INPUT = 1.00)

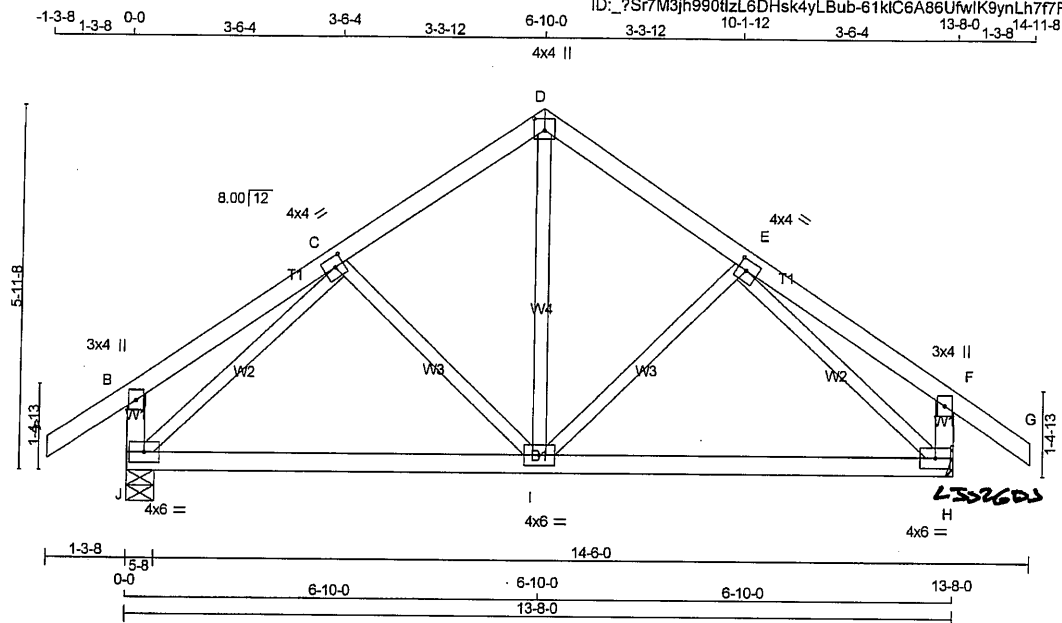


DRWG NO. TAM 170123/1
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T79	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:09:22 2018 Page 1
ID: _?Sr7M3jh990tlzL6DHsk4yLBub-61kIC6A86Ufw/K9ynLh77Fq8Nv3IGkttSeJSUyNC6B



Scale = 1:36.2

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVWV-t	MT20	4.0	4.0	2.00	1.75
D	TTW+p	MT20	4.0	4.0	2.25	2.00
E	TMVWV-t	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVWV1-t	MT20	4.0	6.0		
I	BMVWVW-t	MT20	4.0	6.0		
J	BMVWV1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UP/LIFT	IN-SX
J	1212	0	0	5-8
H	1212	0	0	MECHANICAL

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT H.

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	941	571 / 0	144 / 0	0 / 0	0 / 0	227 / 0	0 / 0
H	941	571 / 0	144 / 0	0 / 0	0 / 0	227 / 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.	MAX. FACTORED	FORCE	VERT. LOAD	LC1	MAX	CS1 (LC)	WEBS	MEMB.	MAX. FACTORED	FORCE	MAX	CS1 (LC)
FR-TO			(LBS)	FROM	TO			FR-TO			(LBS)		
A-B	0 / 47	-124.4	-124.4	0.17	(1)	10.00	I-D	0 / 547	0.12	(1)			
B-C	0 / 27	-124.4	-124.4	0.23	(1)	10.00	I-E	-222 / 18	0.08	(1)			
C-D	-818 / 0	-124.4	-124.4	0.18	(1)	6.25	C-I	-222 / 18	0.08	(1)			
D-E	-818 / 0	-124.4	-124.4	0.18	(1)	6.25	J-C	-1146 / 0	0.42	(1)			
E-F	0 / 27	-124.4	-124.4	0.23	(1)	10.00	E-H	-1146 / 0	0.42	(1)			
F-G	0 / 47	-124.4	-124.4	0.17	(1)	10.00							
J-B	-335 / 0	0.0	0.0	0.03	(1)	7.81							
H-F	-335 / 0	0.0	0.0	0.03	(1)	7.81							
J-I	0 / 817	-28.0	-28.0	0.48	(3)	10.00							
I-H	0 / 817	-28.0	-28.0	0.48	(3)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	60.3	PSF	

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.46")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.07")
ALLOWABLE DEFL. (TL) = $L/360$ (0.46")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.11")

CSI: TC=0.23/1.00 (B-C:1), BC=0.48/1.00 (H-I:3),
WB=0.42/1.00 (C-J:1), SSI=0.18/1.00 (I-J: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)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (E) (INPUT = 0.90)
JSI METAL= 0.40 (C) (INPUT = 1.00)



DRWG NO. TAM **T79/23/12**
STRUCTURAL
COMPONENT ONLY

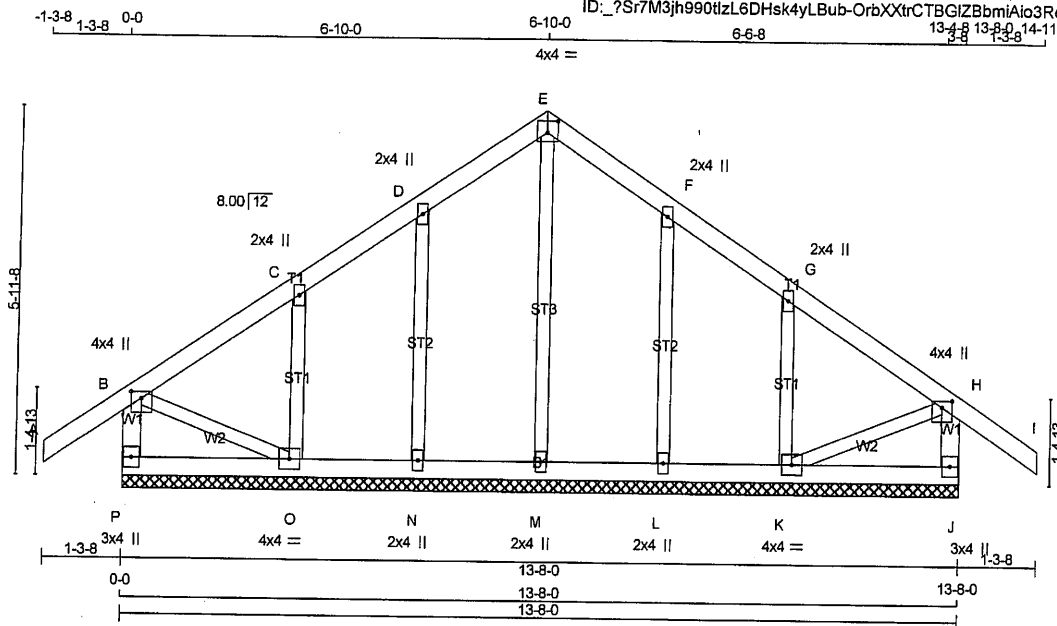
JOB NAME 290539	TRUSS NAME G79	QUANTITY 1	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 Mitek Industries, Inc. Fri Nov 2 16:08:55 2018 Page 1

ID: ?S7M3jh990tZL6DHsk4yLBub-OrbXXrCTBGIZBbmiAio3ReDsUoPT7zu5IbN?YyNC6c
13-8 13-8 14-11-8

Scale = 1:35.7



LUMBER

N. L. G. A. RULES

CHORDS SIZE

P - B 2x4 DRY No.2

A - E 2x4 DRY No.2

E - I 2x4 DRY No.2

J - H 2x4 DRY No.2

P - J 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

ALL GABLE WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. MAX. FACTORED FORCE (LBS)

FACTORED VERT. LOAD (PLF)

MAX. UNBRACED LENGTH (FT)

WEBS

MEMB. MAX. FACTORED FORCE (LBS)

MAX. UNBRACED LENGTH (FT)

FACTORED VERT. LOAD (PLF)

MAX. UNBRACED LENGTH (FT)

FACTORED VERT. LOAD (PLF)

MAX. UNBRACED LENGTH (FT)

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FACTORED VERT. LOAD (PLF)

MAX. UNBRACED LENGTH (FT)

FACTORED VERT. LOAD (PLF)

MAX. UNBRACED LENGTH (FT)

FACTORED VERT. LOAD (PLF)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF

DL = 8.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CS: TC=0.17/1.00 (A-B:1), BC=0.06/1.00 (K-L:3), WB=0.10/1.00 (E-M:1), SS=0.13/1.00 (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) SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

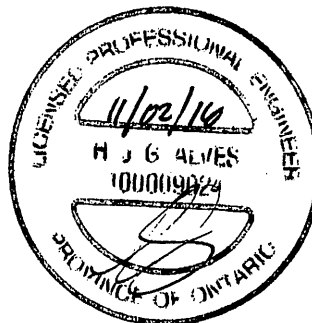
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.24 (H) (INPUT = 0.90)

JSI METAL= 0.08 (C) (INPUT = 1.00)



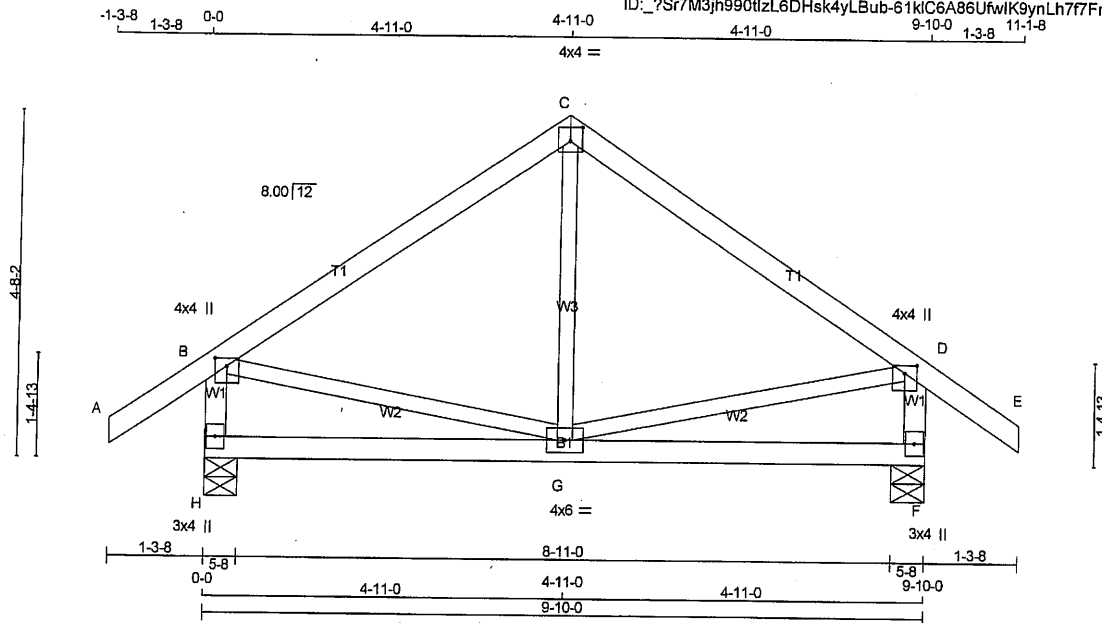
DWG NO. TAM 17012276
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T80	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:22 2018 Page 1
ID: ?Sr7M3jh990tL6DHsk4yLBub-61kIC6A86UfwIK9ynLh77FnbNzAILfISeJSUyNC6B

Scale = 1:29.9



TOTAL WEIGHT = 42 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
H	920	0	920	0	0	5-8	5-8	5-8	5-8
F	920	0	920	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	710	438 / 0	103 / 0	0 / 0	0 / 0	169 / 0	0 / 0	0 / 0
F	710	438 / 0	103 / 0	0 / 0	0 / 0	169 / 0	0 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 47	-124.4 -124.4	0.17 (1)	10.00	G-C	-24 / 201	0.05 (3)
B-C	-529 / 0	-124.4 -124.4	0.39 (1)	6.25	B-G	0 / 451	0.10 (1)
C-D	-529 / 0	-124.4 -124.4	0.39 (1)	6.25	G-D	0 / 451	0.10 (1)
D-E	0 / 47	-124.4 -124.4	0.17 (1)	10.00			
H-B	-867 / 0	0.0 0.0	0.09 (1)	7.81			
F-D	-867 / 0	0.0 0.0	0.09 (1)	7.81			
H-G	0 / 0	-28.0 -28.0	0.22 (3)	10.00			
G-F	0 / 0	-28.0 -28.0	0.22 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8	PSF
	DL = 8.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 60.3	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.39/1.00 (C-D:1), BC=0.22/1.00 (G-H:3),
WB=0.10/1.00 (B-G: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.

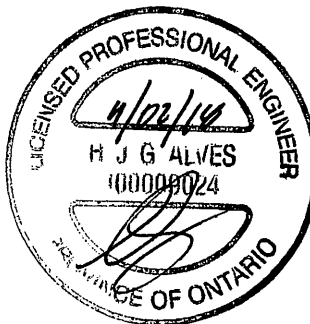
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.64 (B) (INPUT = 0.90)
JSI METAL= 0.19 (B) (INPUT = 1.00)



DWG NO. TAM 170123/3
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	G80	1	1	TRUSS DESC.	

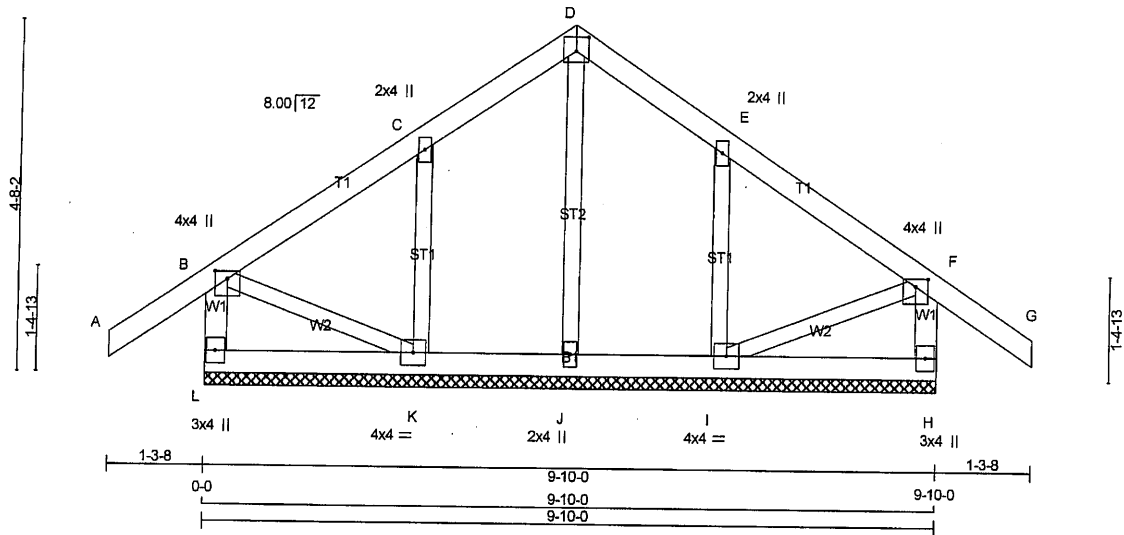
Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:08:56 2018 Page 1

ID: ?SrM3jh990tlzL6DHsk4yLBub-s19wIDsqEVOcBKAYgtE1ceAOcu8ZCae2JPLxX?yNC6b

-1-3-8 1-3-8 0-0 4-11-0 4-11-0 4-11-0 9-10-0 1-3-8 11-1-8
4x4 =

Scale = 1:29.5



TOTAL WEIGHT = 43 lb [M]

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

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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO	L-B	-333 / 0	0.0	0.0	0.03 (1)	7.81	J-D	-152 / 0	0.05 (1)
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	K-C	-381 / 0	0.07 (1)	
B-C	-5 / 0	-124.4	-124.4	0.13 (1)	10.00	I-E	-381 / 0	0.07 (1)	
C-D	-37 / 0	-124.4	-124.4	0.13 (1)	6.25	B-K	0 / 21	0.00 (1)	
D-E	-37 / 0	-124.4	-124.4	0.13 (1)	10.00	I-F	0 / 21	0.00 (1)	
E-F	-5 / 0	-124.4	-124.4	0.17 (1)	10.00				
F-G	0 / 47	-124.4	-124.4	0.17 (1)	10.00				
H-F	-333 / 0	0.0	0.0	0.03 (1)	7.81				
L-K	0 / 0	-28.0	-28.0	0.06 (3)	10.00				
K-J	0 / 9	-28.0	-28.0	0.06 (3)	10.00				
J-I	0 / 9	-28.0	-28.0	0.06 (3)	10.00				
I-H	0 / 0	-28.0	-28.0	0.06 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17/1.00 (A-B:1), BC=0.06/1.00 (I-J:3), WB=0.07/1.00 (E-I:1), SS=0.14/1.00 (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.

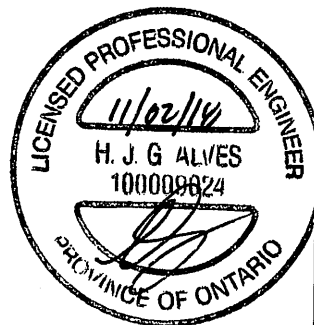
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (C) (INPUT = 0.90)
JSI METAL= 0.09 (C) (INPUT = 1.00)

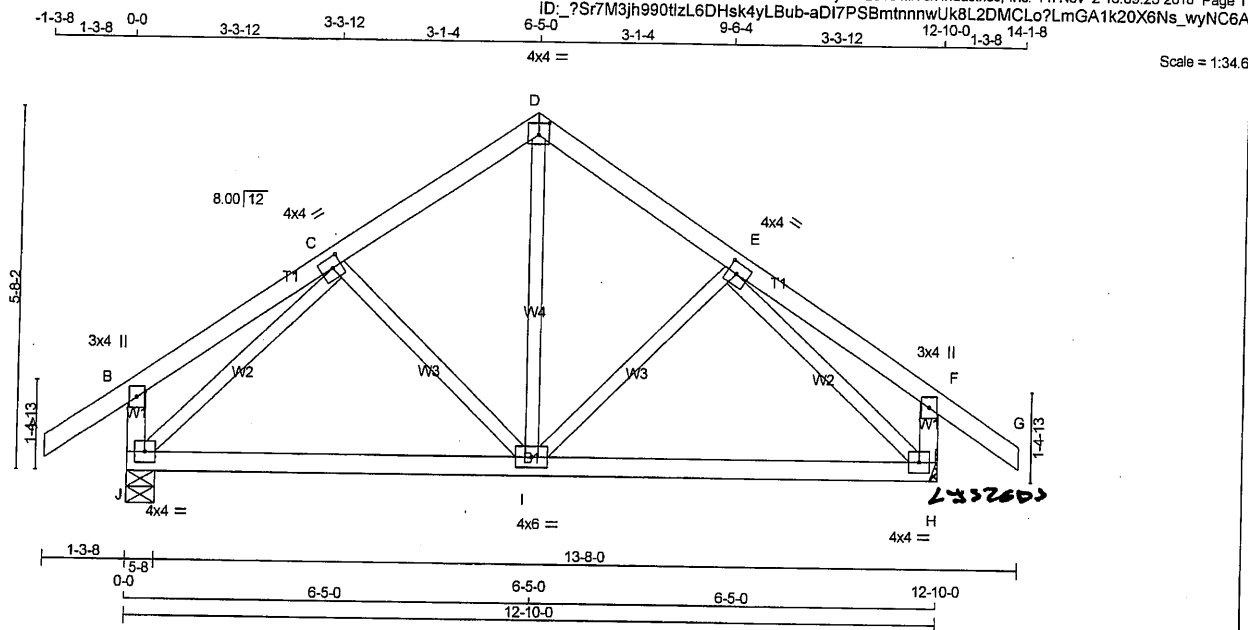


DWG NO. TAM 178/2277
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T81	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MTEK Industries, Inc. Fri Nov 2 16:09:23 2018 Page 1
ID: ?S7M3jh990tLzL6DHsk4yLBub-aDI7PSBmtnnnwUk8L2DMCLo?LmGA1k20X6Ns_wyNC6A
12-10-0 14-1-8



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVWW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMVWW-t	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	4.0	4.0		
I	BMVWW-t	MT20	4.0	6.0		
J	BMVWW-t	MT20	4.0	4.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
J	1148	0	1148	0	5-8
H	1148	0	1148	0	5-8

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT H.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX /MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
J	891	542 / 0	135 / 0	0 / 0	214 / 0	0 / 0
H	891	542 / 0	135 / 0	0 / 0	214 / 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		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0 / 47	-124.4	-124.4 0.17 (1)	I-D	0 / 502
B-C	0 / 25	-124.4	-124.4 0.20 (1)	I-E	-198 / 21
C-D	-758 / 0	-124.4	-124.4 0.16 (1)	C-I	-198 / 21
D-E	-758 / 0	-124.4	-124.4 0.16 (1)	J-C	-1064 / 0
E-F	0 / 25	-124.4	-124.4 0.20 (1)	E-H	-1064 / 0
F-G	0 / 47	-124.4	-124.4 0.17 (1)		
J-B	-325 / 0	0.0	0.0 0.03 (1)		
H-F	-325 / 0	0.0	0.0 0.03 (1)		
J-I	0 / 751	-28.0	-28.0 0.43 (3)		
I-H	0 / 751	-28.0	-28.0 0.43 (3)		



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.20/1.00 (E-F:1), BC=0.43/1.00 (H-I:3),
WB=0.35/1.00 (E-H:1), SSI=0.17/1.00 (H-I:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

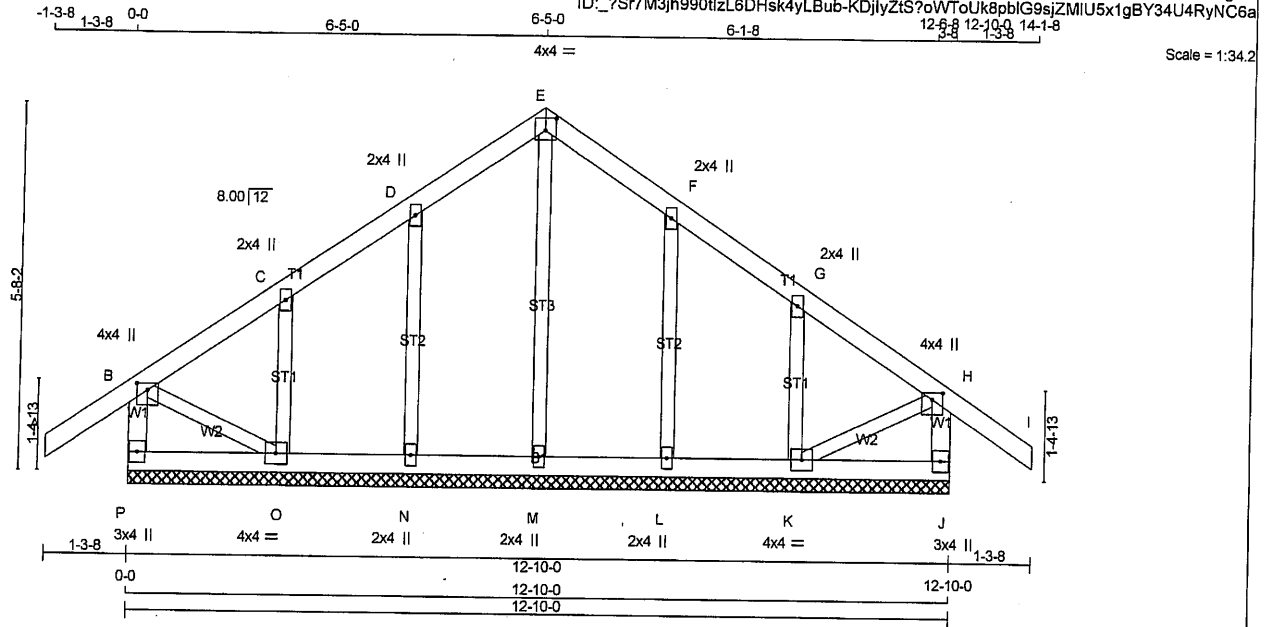
JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.38 (C) (INPUT = 1.00)

DWG NO. TAM 17012314
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	G81	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:08:57 2018 Page 1
ID: ?Sr7M3jh990tLzL6DHsk4yLBub-KDjlyZtS?oWToUk8pblG9sJZMIU5x1gBY34U4RyNC6a
12-6-8 12-10-0 14-1-8
3-8 1-3-8



TOTAL WEIGHT = 56 lb [M]

LUMBER	N L G A. RULES	CHORDS	SIZE	DRY	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	1.25	2.00
C, D, F, G					
C TMVW+w	MT20	2.0	4.0		
E TTWV-p	MT20	4.0	4.0	2.25	2.00
H TMVW+p	MT20	4.0	4.0	1.25	2.00
J BMV1+p	MT20	3.0	4.0		
K BMVW1-t	MT20	4.0	4.0		
L, M, N					
L BMV1+w	MT20	2.0	4.0		
O BMVW1-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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO								
P-B	-327 / 0	0.0	0.0	0.03 (1)	7.81	M-E	-186 / 0	0.09 (1)
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	N-D	-266 / 0	0.08 (1)
B-C	-26 / 0	-124.4	-124.4	0.09 (1)	6.25	O-C	-298 / 0	0.05 (1)
C-D	-34 / 0	-124.4	-124.4	0.09 (1)	6.25	L-F	-266 / 0	0.08 (1)
D-E	-36 / 0	-124.4	-124.4	0.07 (1)	6.25	K-G	-298 / 0	0.05 (1)
E-F	-36 / 0	-124.4	-124.4	0.07 (1)	6.25	B-O	0 / 37	0.01 (1)
F-G	-34 / 0	-124.4	-124.4	0.09 (1)	6.25	K-H	0 / 37	0.01 (1)
G-H	-26 / 0	-124.4	-124.4	0.09 (1)	6.25			
H-I	0 / 47	-124.4	-124.4	0.17 (1)	10.00			
J-H	-327 / 0	0.0	0.0	0.03 (1)	7.81			
P-O	0 / 0	-28.0	-28.0	0.04 (3)	10.00			
O-N	0 / 25	-28.0	-28.0	0.04 (3)	10.00			
N-M	0 / 20	-28.0	-28.0	0.03 (3)	10.00			
M-L	0 / 20	-28.0	-28.0	0.03 (3)	10.00			
L-K	0 / 25	-28.0	-28.0	0.04 (3)	10.00			
K-J	0 / 0	-28.0	-28.0	0.04 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17/1.00 (A-B:1), BC=0.04/1.00 (K-L:3),
WB=0.09/1.00 (E-M:1), SSI=0.11/1.00 (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.

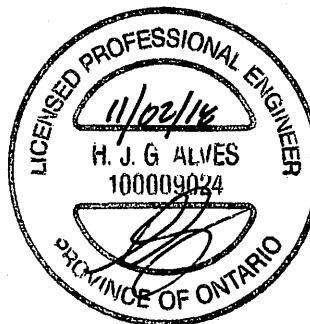
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (H) (INPUT = 0.90)
JSI METAL= 0.07 (C) (INPUT = 1.00)

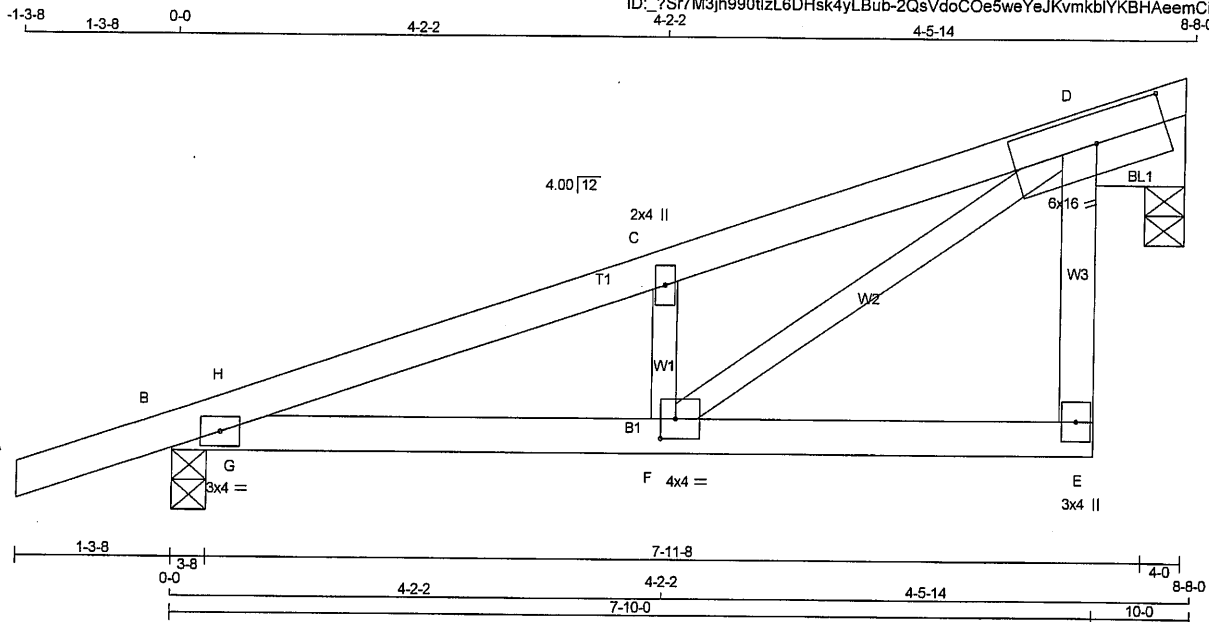


DWG NO. TAM 17012270
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T82	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:24 2018 Page 1
ID: ?Sf7M3jh990tLzL6DHsk4yLBub-2QsVdCOe5weYeJKvmkblYKBHAcemCiAlm7QXNyNC69



TOTAL WEIGHT = 3 X 30 = 89 lb

LUMBER					DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										TOTAL WEIGHT = 3 X 30 = 89 lb		
N. L. G. A. RULES					BEARINGS										DESIGN CRITERIA		
CHORDS SIZE					FACTORED										SPECIFIED LOADS:		
A - D	2x4	DRY	No.2	DESCR.	SPF	GROSS REACTION		MAXIMUM FACTORED		INPUT		REQRD		TOP CH. LL = 34.8 PSF			
E - D	2x4	DRY	No.2	SPF	SPF	JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	IN-SX	DL = 8.0 PSF			
B - E	2x4	DRY	No.2	SPF	SPF	D	590	0	590	0	0	4-0	4-0	BOT CH. LL = 10.5 PSF			
BEARING BLOCKS					SPF	(** SEE "BEARING-NOTE" **)								DL = 7.0 PSF			
BL1	2x8	DRY	No.2	SPF		B	752	0	752	0	0	3-8	3-8	TOTAL LOAD = 60.3 PSF			
ALL WEBS 2x3					SPF									SPACING = 24.0 IN. C/C			
DRY: SEASONED LUMBER.						REVEAL PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH EACH JOINT											

BEARING NOTE: GAP BETWEEN INSIDE OF TOP CHORD BEARING AND FIRST DIAGONAL OR VERTICAL WEB SHALL NOT EXCEED 0.5 INCHES.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TMVW-w	MT20	2.0	4.0		
D	TMVWK1-I	MT20	6.0	16.0	3.00	7.25
E	BMV+p	MT20	3.0	4.0		
F	BMVW-t	MT20	4.0	4.0	2.00	1.50

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	469	267 / 0	84 / 0	0 / 0	0 / 0	117 / 0	0 / 0
B	578	361 / 0	81 / 0	0 / 0	0 / 0	137 / 0	0 / 0

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

BRACING

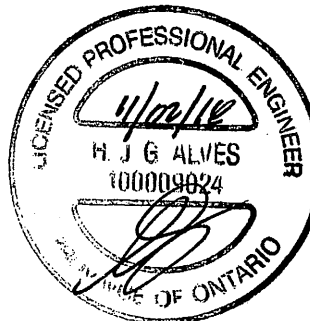
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

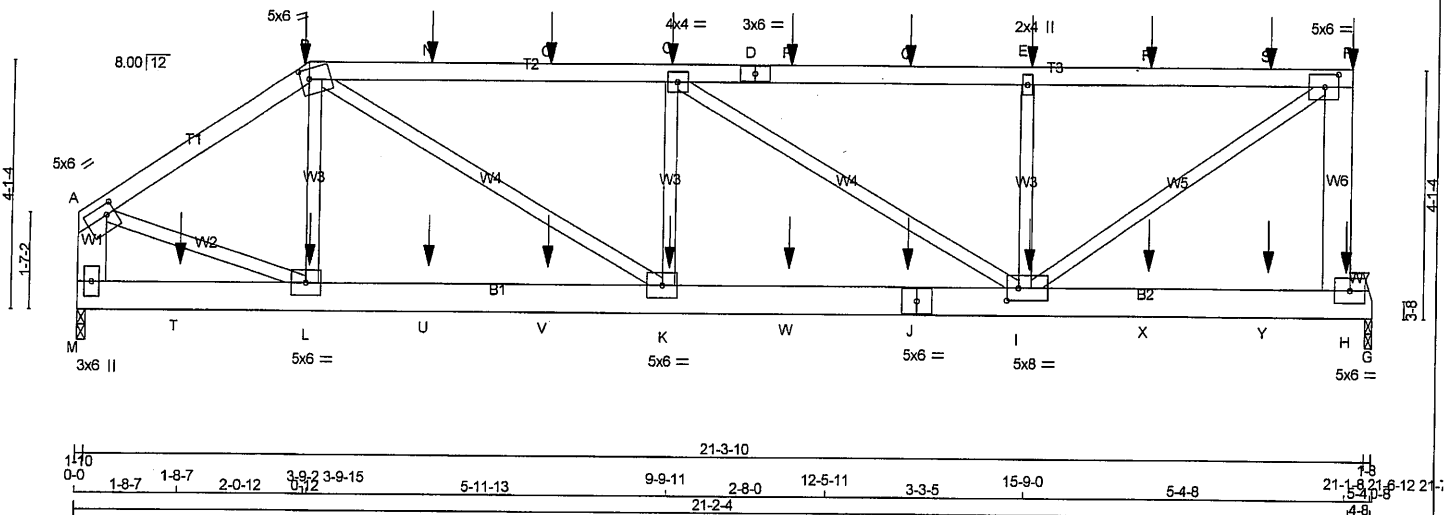
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 MAX. CSI (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 25	-124.4	-124.4 0.16 (1)	F-D	0 / 1147	0.26 (1)	
B-H	-1013 / 0	-124.4	-124.4 0.04 (3)	F-C	-533 / 0	0.08 (1)	
H-C	-972 / 0	-124.4	-124.4 0.18 (1)	G-H	-134 / 52	0.00 (1)	
C-D	-985 / 0	-124.4	-124.4 0.18 (1)				
E-D	0 / 71	0.0	0.0 0.01 (3)				
B-G	0 / 938	-28.0	-28.0 0.28 (1)				
G-F	0 / 938	-28.0	-28.0 0.28 (1)				
F-E	-4 / 0	-28.0	-28.0 0.08 (3)				



DRWG NO. TAM 17812315
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T91	QUANTITY 1	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington					
Version 8.210 S May 18 2018 Mitek Industries, Inc. Fri Nov 2 16:09:25 2018 Page 1					
ID: ?Sr7M3jh990tizL6DHsk4yLBub-WvPtq7C0PP2V9otXSTFqHmtDlalyVbNJ_Qsz3pyNC68					
Scale = 1:36.5					



LUMBER			
N L G A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - B	2x4 DRY	No.2	SPF
B - D	2x4 DRY	No.2	SPF
D - F	2x4 DRY	No.2	SPF
H - F	2x6 DRY	No.2	SPF
M - A	2x6 DRY	No.2	SPF
M - J	2x6 DRY	No.2	SPF
J - G	2x6 DRY	No.2	SPF
H - G	2x4 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-B	12	SIDE(61.0)
B-D	12	SIDE(61.0)
D-F	12	SIDE(61.0)
F-H	2	TOP
M-A	2	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J	12	SIDE(183.1)
J-G	2	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	1	6
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 TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWV-t	MT20	5.0	6.0	2.00	1.75
B	TTWW-m	MT20	5.0	6.0	2.00	1.75
C	TMWV-t	MT20	4.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMWV-t	MT20	2.0	4.0		
F	TMWV-t	MT20	5.0	6.0	2.50	2.75
H	BMWV-t	MT20	5.0	6.0		
I	BMWVW-t	MT20	5.0	8.0	2.50	2.25
J	BS-t	MT20	5.0	6.0		
K	BMWV-t	MT20	5.0	6.0		
L	BMWV-t	MT20	5.0	6.0		
M	BMV1-p	MT20	3.0	6.0		

HANGERS NOTES

1)

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
M		2690	0	2690	0	0	1-10	1-10	
G		2793	0	2793	0	0	1-8	1-8	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS						
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
M	2124	1272 / 0	376 / 0	0 / 0	0 / 0	476 / 0	0 / 0		
G	2218	1315 / 0	412 / 0	0 / 0	0 / 0	491 / 0	0 / 0		

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.91 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MAX. FACTORED		FACTORED		MAX. UNBRAC	MAX. FACTORED		FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF) CSI (LC)		MEMB.	FORCE (LBS)	MAX CSI (LC)		
FR-TO		FROM	TO	LENGTH	FR-TO				
A-B	-2976 / 0	-124.4	-124.4	0.21 (1)	5.13	L-B	-510 / 98	0.06 (1)	
B-N	-4031 / 0	-124.4	-124.4	0.68 (1)	3.91	B-K	0 / 1848	0.23 (1)	
N-O	-4031 / 0	-124.4	-124.4	0.68 (1)	3.91	K-C	-825 / 0	0.10 (1)	
O-C	-4031 / 0	-124.4	-124.4	0.68 (1)	3.91	C-I	-927 / 0	0.43 (1)	
C-D	-3247 / 0	-124.4	-124.4	0.63 (1)	4.33	I-E	-1287 / 0	0.43 (1)	
D-P	-3247 / 0	-124.4	-124.4	0.63 (1)	4.33	I-F	-1287 / 0	0.43 (1)	
P-Q	-3247 / 0	-124.4	-124.4	0.63 (1)	4.33	A-F	-1287 / 0	0.43 (1)	
Q-E	-3247 / 0	-124.4	-124.4	0.63 (1)	4.33				
E-R	-3247 / 0	-124.4	-124.4	0.51 (1)	4.53				
R-S	-3247 / 0	-124.4	-124.4	0.51 (1)	4.53				
S-F	-3247 / 0	-124.4	-124.4	0.51 (1)	4.53				
H-F	-2839 / 0	0.0	0.0	0.23 (1)	7.81				
M-A	-2652 / 0	0.0	0.0	0.10 (1)	7.81				
M-T	0 / 0	-28.0	-28.0	0.07 (3)	10.00				
T-L	0 / 0	-28.0	-28.0	0.07 (3)	10.00				
L-U	0 / 2457	-28.0	-28.0	0.22 (1)	10.00				
U-V	0 / 2457	-28.0	-28.0	0.22 (1)	10.00				
V-K	0 / 2457	-28.0	-28.0	0.22 (1)	10.00				
K-W	0 / 4032	-28.0	-28.0	0.36 (1)	10.00				
W-J	0 / 4032	-28.0	-28.0	0.36 (1)	10.00				
J-I	0 / 4032	-28.0	-28.0	0.36 (1)	10.00				
I-X	0 / 0	-28.0	-28.0	0.38 (1)	10.00				
X-Y	0 / 0	-28.0	-28.0	0.38 (1)	10.00				
Y-H	0 / 0	-28.0	-28.0	0.38 (1)	10.00				
H-G	0 / 0	-152.4	-152.4	0.24 (1)	10.00				

PROFESSIONAL
ENGINEER
11/02/16
H. J. G. ALVAREZ
100009024
STATE OF CALIFORNIA
DWG NO. TAM 4442
STRUCTURAL
COMPONENT ONLY

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	3-9-2	-50	-50		FRONT	VERT	DEAD
B	3-9-2	-111	-111		BACK	VERT	TOTAL
B	3-9-2	-216	-216		FRONT	VERT	SNOW
C	9-9-15	-103	-103		BACK	VERT	TOTAL
E	15-9-15	-103	-103		BACK	VERT	TOTAL
F	21-2-4	-143	-143		BACK	VERT	TOTAL
H	21-1-8	-51	-51		BACK	VERT	TOTAL
I	15-9-15	-34	-34		BACK	VERT	TOTAL
J	13-9-15	-34	-34		BACK	VERT	TOTAL
K	9-9-15	-34	-34		BACK	VERT	TOTAL
L	3-9-15	-41	-41		BACK	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 PSF

SPACING = 24.0 IN./C/C

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

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2010

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.68/1.00 (B-C:1), BC=0.38/1.00 (H-I:1), VB=0.49/1.00 (F-I:1), SSI=0.57/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 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) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.41 (H) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T91	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tizL6DHsk4yLBub-WcPq7C0PP2V9otXSTFqHmtDlayLVbNJ Qsz3pyNC68

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S)
REQUIRED TO SUPPORT CONCENTRATED
LOAD(S) 386.5 lbs FACTORED DOWN AT 3-9-2,
159.1 lbs FACTORED DOWN AT 3-9-2, 149.7 lbs
FACTORED DOWN AT 5-9-15, 149.7 lbs
FACTORED DOWN AT 7-9-15, 149.7 lbs
FACTORED DOWN AT 9-9-15, 149.7 lbs
FACTORED DOWN AT 11-9-15, 149.7 lbs
FACTORED DOWN AT 13-9-15, 149.7 lbs
FACTORED DOWN AT 15-9-15, 149.7 lbs
FACTORED DOWN AT 17-9-15, AND 149.7 lbs
FACTORED DOWN AT 19-9-15, AND 208.0 lbs
FACTORED DOWN AT 21-2-4 ON TOP CHORD,
AND 49.9 lbs FACTORED DOWN AT 1-8-7, 59.3
lbs FACTORED DOWN AT 3-9-15, 49.9 lbs
FACTORED DOWN AT 5-9-15, 49.9 lbs
FACTORED DOWN AT 7-9-15, 49.9 lbs
FACTORED DOWN AT 9-9-15, 49.9 lbs
FACTORED DOWN AT 11-9-15, 49.9 lbs
FACTORED DOWN AT 13-9-15, 49.9 lbs
FACTORED DOWN AT 15-9-15, 49.9 lbs
FACTORED DOWN AT 17-9-15, AND 49.9 lbs
FACTORED DOWN AT 19-9-15, AND 73.1 lbs
FACTORED DOWN AT 21-1-8 ON BOTTOM
CHORD. DESIGN FOR UNSPECIFIED
CONNECTION(S) IS DELEGATED TO THE
BUILDING DESIGNER.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
N	5-9-15	-103	-103	—	BACK	VERT	TOTAL
O	7-9-15	-103	-103	—	BACK	VERT	TOTAL
P	11-9-15	-103	-103	—	BACK	VERT	TOTAL
Q	13-9-15	-103	-103	—	BACK	VERT	TOTAL
R	17-9-15	-103	-103	—	BACK	VERT	TOTAL
S	19-9-15	-103	-103	—	BACK	VERT	TOTAL
T	1-8-7	-34	-34	—	BACK	VERT	TOTAL
U	5-9-15	-34	-34	—	BACK	VERT	TOTAL
V	7-9-15	-34	-34	—	BACK	VERT	TOTAL
W	11-9-15	-34	-34	—	BACK	VERT	TOTAL
X	17-9-15	-34	-34	—	BACK	VERT	TOTAL
Y	19-9-15	-34	-34	—	BACK	VERT	TOTAL

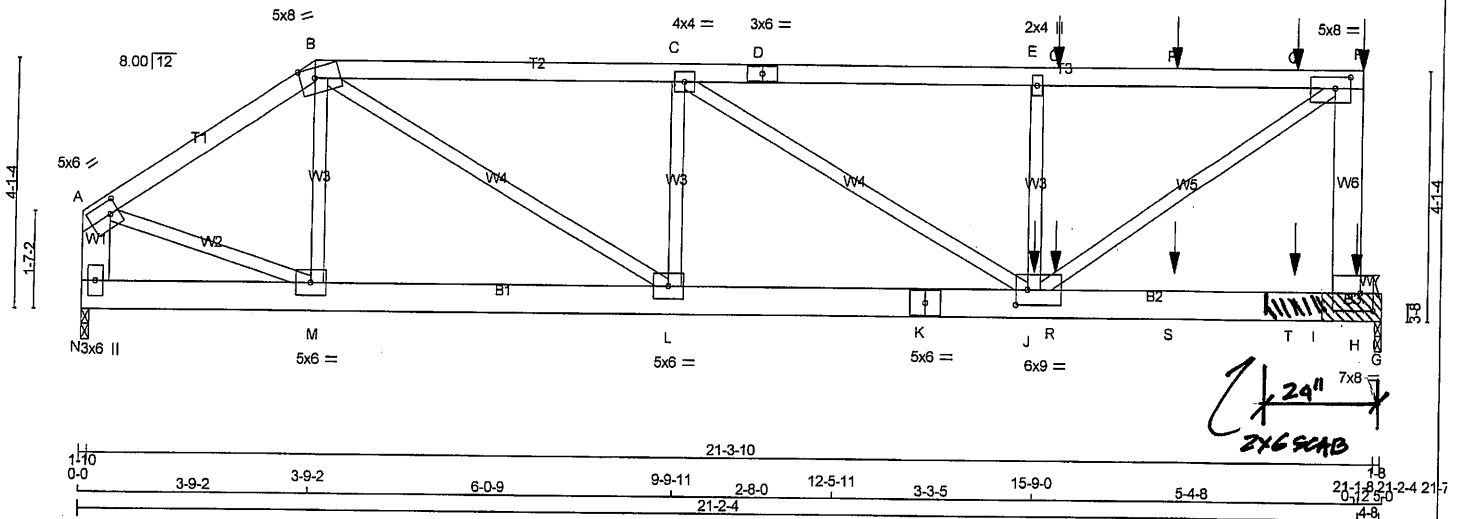


DWG NO. TAM 11012316
STRUCTURAL
COMPONENT ONLY 3/2

JOB NAME 290539	TRUSS NAME T91Z	QUANTITY 1	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: 7Sr7M3jh990tlzL6DHsk4yLBub-ozF2TDeAIAmXsJ0Am3qzQQp_F4E_ZSD4cWbFyNC67
21-2-4
Scale = 1:36.3



LUMBER			
N L G A	RULES		
CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4 DRY	No.2	SPF
B - D	2x4 DRY	No.2	SPF
D - F	2x4 DRY	No.2	SPF
H - F	2x6 DRY	No.2	SPF
N - A	2x6 DRY	No.2	SPF
N - K	2x6 DRY	No.2	SPF
K - G	2x6 DRY	No.2	SPF
H - G	2x4 DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-B	12	TOP
B-D	12	TOP
D-F	12	SIDE(61.0)
F-H	12	TOP
N-A	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
N-K	12	TOP
K-G	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
E-J	4	SIDE(404.7)
2x3	6	
2x4	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.50 1.75
B	TTWW-m	MT20	5.0	8.0	2.00 3.00
C	TMVW-t	MT20	4.0	4.0	
D	TS-t	MT20	3.0	6.0	
E	TMVW-w	MT20	2.0	4.0	
F	TMVW-t	MT20	5.0	8.0	2.25 3.00
H	BMVW-t	MT20	7.0	8.0	3.50 2.75
J	BMVW-w	MT20	6.0	9.0	3.00 2.25
K	BS-t	MT20	5.0	6.0	
L	BMVW-t	MT20	5.0	6.0	
M	BMVW-t	MT20	5.0	6.0	
N	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 DOWN	INPUT BRG UPLIFT	REQRD BRG IN-SX
JT	VERT	2336	0	0	1-10
N		2336	0	0	1-10
G		3957	0	0	1-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1838	1084 / 0	310 / 0	0 / 0	0 / 0	444 / 0	0 / 0
G	3107	1865 / 0	524 / 0	0 / 0	0 / 0	718 / 0	0 / 0

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

2x6 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 21 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LBS)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LBS)
FR-TO					FR-TO		
A-B	-2555 / 0	-124.4	-124.4	0.20 (1)	M-B	-457 / 0	0.06 (1)
B-C	-4271 / 0	-124.4	-124.4	0.46 (1)	B-L	0 / 2537	0.31 (1)
C-D	-4982 / 0	-124.4	-124.4	0.54 (1)	L-C	-1241 / 0	0.16 (1)
D-E	-4982 / 0	-124.4	-124.4	0.54 (1)	C-J	0 / 839	0.16 (1)
E-O	-4982 / 0	-124.4	-124.4	0.57 (1)	J-E	-1057 / 0	0.13 (1)
O-P	-4982 / 0	-124.4	-124.4	0.57 (1)	J-F	0 / 220	0.13 (1)
P-Q	-4982 / 0	-124.4	-124.4	0.57 (1)	A-M	-1057 / 0	0.13 (1)
Q-F	-4982 / 0	-124.4	-124.4	0.57 (1)			
H-F	-4072 / 0	0.0	0.0	0.32 (1)			
N-A	-2310 / 0	0.0	0.0	0.08 (1)			
N-M	0 / 0	-28.0	-28.0	0.06 (3)			
M-L	0 / 2109	-28.0	-28.0	0.18 (1)			
L-K	0 / 4271	-28.0	-28.0	0.36 (1)			
K-J	0 / 4271	-28.0	-28.0	0.36 (1)			
J-R	0 / 0	-28.0	-28.0	0.54 (1)			
R-S	0 / 0	-28.0	-28.0	0.54 (1)			
S-T	0 / 0	-28.0	-28.0	0.54 (1)			
T-I	0 / 0	-28.0	-28.0	0.54 (1)			
I-H	0 / 0	-28.0	-28.0	0.54 (1)			
H-G	0 / 0	-152.4	-152.4	0.34 (1)			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
F	21-2-4	-143	-143	—	FRONT	VERT	TOTAL
H	21-1-8	-51	-51	—	FRONT	VERT	TOTAL
J	15-9-0	-1740	-1740	—	FRONT	VERT	TOTAL
O	16-1-4	-103	-103	—	FRONT	VERT	TOTAL
P	18-1-4	-103	-103	—	FRONT	VERT	TOTAL
Q	20-1-4	-103	-103	—	FRONT	VERT	TOTAL
R	16-1-4	-34	-34	—	FRONT	VERT	TOTAL
S	18-1-4	-34	-34	—	FRONT	VERT	TOTAL
T	20-1-4	-34	-34	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	60.3	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 088-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.72")
CALCULATED VERT. DEFL. (LL) = L/999 (0.11")
ALLOWABLE DEFL. (TL) = L/360 (0.72")
CALCULATED VERT. DEFL. (TL) = L/999 (0.18")

CSI: TC=0.57/1.00 (E-F-1), BC=0.54/1.00 (H-J-1), WB=0.75/1.00 (F-J-1), SSI=0.80/1.00 (G-H-1)

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

COMPANION LIVE LOAD FACTOR = 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)	SHEAR (PSI)	SECTION (PLI)
MT20	618 354 1667 822 2284 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (J) (INPUT = 0.90)

JSI METAL= 0.47 (F) (INPUT = 1.00)

DRWG NO. TAM 17/2317
STRUCTURAL
COMPONENT ONLY
1/2

CONTINUED ON PAGE 2

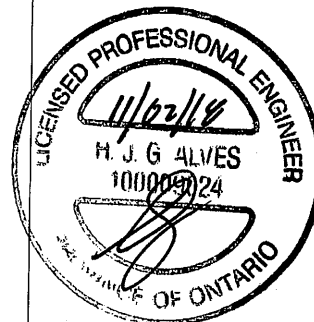
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T91Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tlzL6DHsk4yLBub- ozF2TDeAiAMnxSi0Am3qzQQp F4E_ZSD4cWbFyNC67

HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 16-1-4, 149.7 lbs FACTORED DOWN AT 18-1-4, AND 149.7 lbs FACTORED DOWN AT 20-1-4, AND 208.0 lbs FACTORED DOWN AT 21-2-4 ON TOP CHORD, AND 2253.2 lbs FACTORED DOWN AT 15-9-0, 49.9 lbs FACTORED DOWN AT 16-1-4, 49.9 lbs FACTORED DOWN AT 18-1-4, AND 49.9 lbs FACTORED DOWN AT 20-1-4, AND 73.1 lbs FACTORED DOWN AT 21-1-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



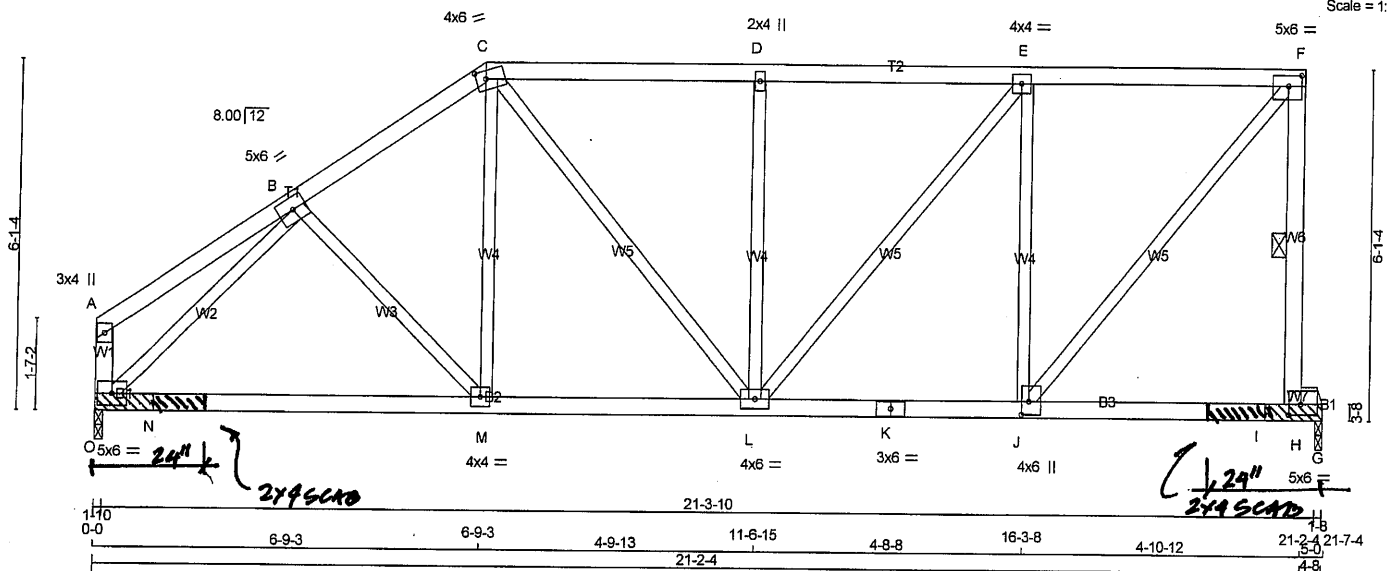
DWG NO. TAM 11512317
STRUCTURAL
COMPONENT ONLY 7/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T93	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:09:27 2018 Page 1
ID: ?Sr7M3jh990tlzL6DHsk4yLBub-S?XeFpEGx0IDP51vauHIMBydZOXvzR3cRkL47iyNC66
11-6-15 4-8-8 16-3-8 4-10-12 21-2-4

Scale = 1:38.4



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
O - A	2x4	DRY	No.2	SPF
O - K	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TTVW-m	MT20	4.0	6.0	1.75	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.25	2.75
H	BMVW-t	MT20	5.0	6.0	2.25	2.50
J	BMVW-t	MT20	4.0	6.0	2.75	1.50
K	BS-t	MT20	3.0	6.0		
L	BMVW-t	MT20	4.0	6.0		
M	BMVW-t	MT20	4.0	4.0		
O	BMVW-t	MT20	5.0	6.0		

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

BEARINGS		FACTORED	MAXIMUM	INPUT	REQRD
JT	GROSS REACTION	DOWN	GROSS REACTION	BRG	IN-SX
O	1643	0	1643	0	1-10
G	1643	0	1643	0	1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN.	COMPONENT REACTIONS	WIND	DEAD	SOIL
O	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0
G	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. O ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14" NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14" NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.73 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-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		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	CS1 (LC)	FR-TO	
A-B	0 / 25	-124.4 -124.4	0.21 (1)	B-M	-8 / 109
B-C	-1632 / 0	-124.4 -124.4	0.25 (1)	M-C	0 / 296
C-D	-1557 / 0	-124.4 -124.4	0.42 (1)	O-B	-1938 / 0
D-E	-1557 / 0	-124.4 -124.4	0.44 (1)	J-F	0 / 1883
E-F	-1213 / 0	-124.4 -124.4	0.42 (1)	C-L	0 / 342
H-F	-1687 / 0	0.0 0.0	0.30 (1)	J-E	-1081 / 0
O-A	-164 / 0	0.0 0.0	0.02 (1)	L-D	-641 / 0
				L-E	-641 / 0
O-N	0 / 1340	-28.0 -28.0	0.43 (2)		
N-M	0 / 1340	-28.0 -28.0	0.43 (2)		
M-L	0 / 1338	-28.0 -28.0	0.44 (2)		
L-K	0 / 1213	-28.0 -28.0	0.51 (1)		
K-J	0 / 1213	-28.0 -28.0	0.51 (1)		
J-I	0 / 0	-28.0 -28.0	0.82 (1)		
I-H	0 / 0	-28.0 -28.0	0.82 (1)		
H-G	0 / 0	-152.4 -152.4	0.34 (1)		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 34.8 PSF
DL	= 8.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 60.3 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 NBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.72")
CALCULATED VERT. DEFL.(LL)= L/999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.72")
CALCULATED VERT. DEFL.(TL)= L/966 (0.27")

CSI: TC=0.44/1.00 (D-E:1), BC=0.82/1.00 (H-J:1), WB=0.73/1.00 (B-O:1), SSI=0.64/1.00 (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.

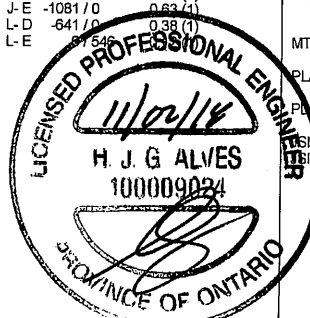
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SLIP=0.87 (F) (INPUT = 0.90)
SLIP=0.66 (H) (INPUT = 1.00)

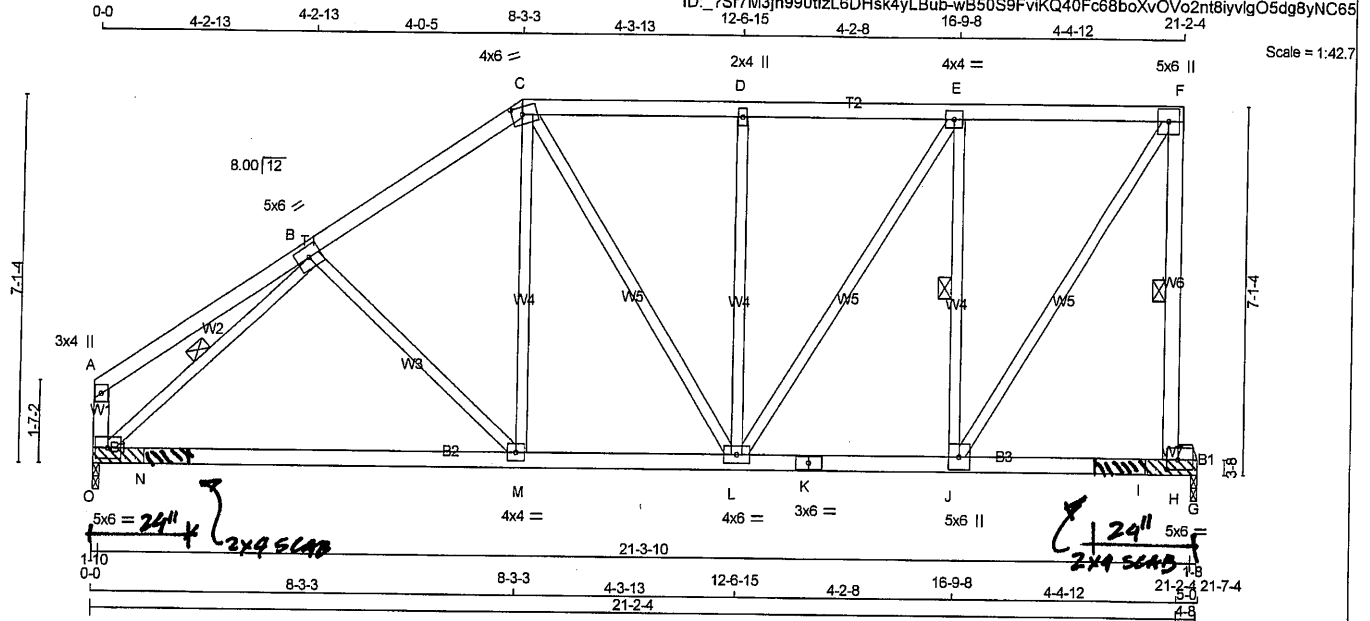


DRWG NO. TAM 718/2317
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T94	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:28 2018 Page 1
ID: ?S7M3jh990ftzL6DHsk4yLBub-wB50S9FvIKQ40Fc68boXvOV02nt8iyvgO5dg8yNC65



TOTAL WEIGHT = 2 X 106 = 212 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS		No.2	SPF
A - C	2x4	DRY	SPF
C - F	2x4	DRY	SPF
H - F	2x4	DRY	SPF
O - A	2x4	DRY	SPF
O - K	2x4	DRY	SPF
K - G	2x4	DRY	SPF
H - G	2x4	DRY	SPF

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW+t	MT20	5.0	6.0		
C	TTVWV-m	MT20	4.0	6.0	1.75	2.50
D	TMVW+w	MT20	2.0	4.0		
E	TMVW+t	MT20	4.0	4.0		
F	TMVW+p	MT20	5.0	6.0		
H	BMVW-t	MT20	5.0	6.0	2.25	2.50
J	BMVW+t	MT20	5.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMVWV-t	MT20	4.0	6.0		
M	BMVW-t	MT20	4.0	4.0		
O	BMVW-t	MT20	5.0	6.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	GROSS REACTION	SNOW	GROSS REACTION	BRG	BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT
JT	1643	0	1643	0	0
G	1643	0	1643	0	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE		
O	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0
G	1300	750 / 0	226 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK **24"** LONG AT JT. O ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. **14** NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK **24"** LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. **14** NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-H, B-O, E-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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 33	-124.4 -124.4	0.34 (1)	B-M	-178 / 61	0.11 (1)	
B-C	-1542 / 0	-124.4 -124.4	0.39 (1)	M-C	0 / 432	0.10 (2)	
C-D	-1287 / 0	-124.4 -124.4	0.32 (1)	O-B	-1933 / 0	0.46 (1)	
D-E	-1287 / 0	-124.4 -124.4	0.34 (1)	J-F	0 / 1772	0.40 (1)	
E-F	-961 / 0	-124.4 -124.4	0.32 (1)	C-L	-62 / 51	0.08 (3)	
H-F	-1712 / 0	0.0 0.0	0.39 (1)	J-E	-1116 / 0	0.36 (1)	
O-A	-197 / 0	0.0 0.0	0.02 (1)	L-D	-573 / 0	0.50 (1)	
				L-E	0 / 620	0.14 (1)	
O-N	0 / 1383	-28.0 -28.0	0.57 (2)				
N-M	0 / 1383	-28.0 -28.0	0.57 (2)				
M-L	0 / 1260	-28.0 -28.0	0.58 (3)				
L-K	0 / 961	-28.0 -28.0	0.45 (1)				
K-J	0 / 961	-28.0 -28.0	0.45 (1)				
J-I	0 / 0	-28.0 -28.0	0.82 (1)				
I-H	0 / 0	-28.0 -28.0	0.82 (1)				
H-G	0 / 0	-152.4 -152.4	0.34 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	60.3	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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.72")
CALCULATED VERT. DEFL.(LL)= L/ 999 (0.20")
ALLOWABLE DEFL.(TL)= L/360 (0.72")
CALCULATED VERT. DEFL.(TL)= L/ 771 (0.34")

CSI: TC=0.39/1.00 (F-H-1), BC=0.82/1.00 (H-J-1),
WB=0.50/0.90 (D-L-1), SSI=0.64/1.00 (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.

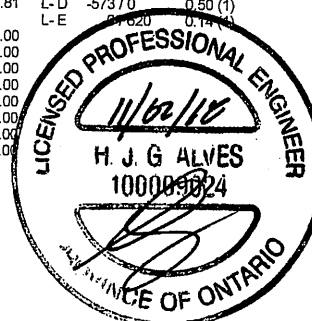
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

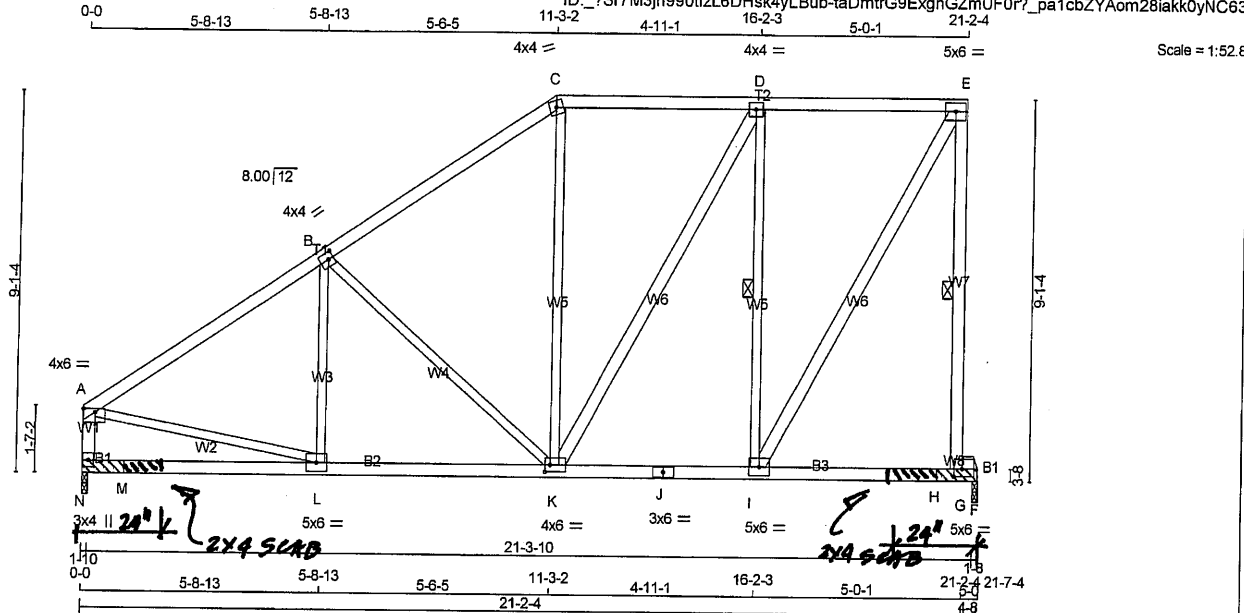
JSI GRIP= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.65 (H) (INPUT = 1.00)



DRWG NO. TAM **17912320**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T96	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

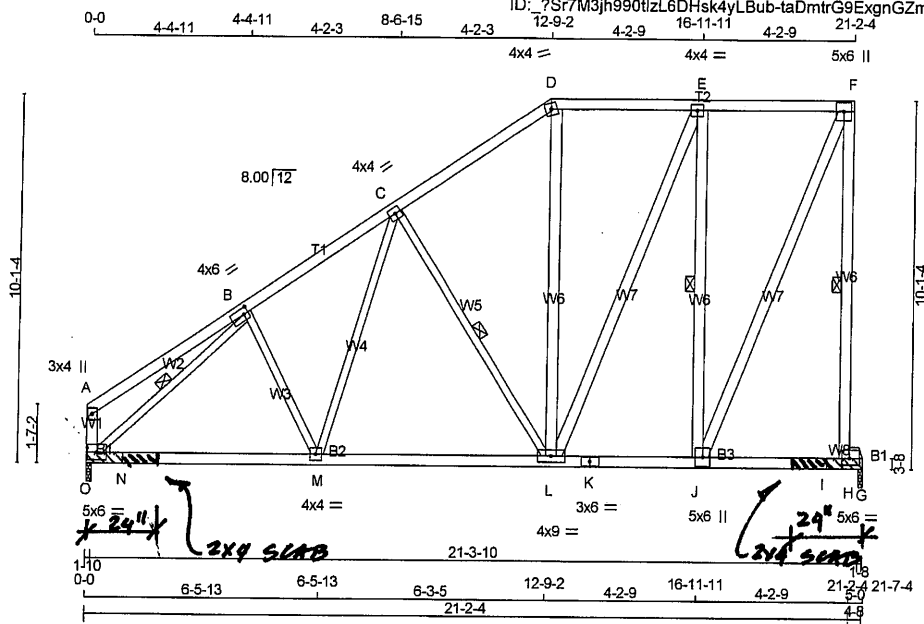


LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	REQRD	SPECIFIED LOADS:	TOTAL WEIGHT = 2 X L 116 = 231 lb	
A - C	2x4	DRY	No.2	SPF	GROSS REACTION	GROSS REACTION	BRG	BRG	TOP CH. LL = 34.8 PSF		
C - E	2x4	DRY	No.2	SPF	VERT	DOWN	UPLIFT	IN-SX	DL = 8.0 PSF		
G - E	2x4	DRY	No.2	SPF	1643	0	0	1-10	LL = 10.5 PSF		
N - A	2x4	DRY	No.2	SPF	1643	0	0	1-8 & BLOCK	DL = 7.0 PSF		
N - J	2x4	DRY	No.2	SPF					TOTAL LOAD = 60.3 PSF		
J - F	2x4	DRY	No.2	SPF							
G - F	2x4	DRY	No.2	SPF							
ALL WEBS	2x3	DRY	No.2	SPF	UNFACTORED REACTIONS				SPACING = 24.0 IN. C/C		
EXCEPT					1ST LCASE	MAX/MIN. COMPONENT REACTIONS			LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12		
K - D	2x4	DRY	No.2	SPF	JT	COMBINED	SNOW	LIVE	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010		
I - E	2x4	DRY	No.2	SPF	N	1300	750 / 0	226 / 0	THIS DESIGN COMPLIES WITH:		
					F	1300	750 / 0	226 / 0	- PART 9 OF OBC 2012, BCBC 2012, ABC 2014		
									- CSA 086-09		
									- TPIC 2011		
									(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD		
									ALLOWABLE DEFL.(LL) = L/360 (0.72")		
									CALCULATED VERT. DEFL.(LL) = L/999 (0.16")		
									ALLOWABLE DEFL.(TL) = L/360 (0.72")		
									CALCULATED VERT. DEFL.(TL) = L/946 (0.27")		
									CSI: TC=0.83/1.00 (A-B:1), BC=0.83/1.00 (G-I:1),		
									WB=0.73/1.00 (B-K:1), SSI=0.64/1.00 (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) SHEAR SECTION		
									(PSI) (PLI) (PLI)		
									MAX MIN MAX MIN MAX MIN		
									MT20 618 354 1687 822 2284 1656		
									PLATE PLACEMENT TOL. = 0.250 inches		
									PLATE ROTATION TOL. = 5.0 Deg.		
									SSI GRIP= 0.88 (E) (INPUT = 0.90)		
									SSI METAL= 0.65 (G) (INPUT = 1.00)		
									DRWG NO. TAM 17812322		
									STRUCTURAL		
									COMPONENT ONLY		

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:30 2018 Page 1
ID: ?Sr7M3jh990tIzL6DHsk4yLBub-taDmtrG9ExgnGZmUF0r?_pa1HbZfAq728iakk0yNC63

Scale = 1:60.7



TOTAL WEIGHT = 2 X 132 = 264 lb

LUMBER			
N L G A	RULES		
CHORDS	SIZE		LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
H - F	2x4	DRY	No.2
O - A	2x4	DRY	No.2
O - K	2x4	DRY	No.2
K - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
ALL WEBS EXCEPT	2x4	DRY	No.2
B - M	2x3	DRY	No.2
M - C	2x3	DRY	No.2
C - L	2x3	DRY	No.2
O - B	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)		W	LEN	Y	X
JT	TYPE PLATES				
A	TMV+p	MT20	3.0	4.0	
B	TMWV+t	MT20	4.0	6.0	2.00
C	TMWV+t	MT20	4.0	4.0	
D	TTV-m	MT20	4.0	4.0	
E	TMWV+t	MT20	4.0	4.0	
F	TMVW+p	MT20	5.0	6.0	
H	BMWV+t	MT20	5.0	6.0	2.25
I	BMWVW+t	MT20	5.0	6.0	2.50
K	BS†	MT20	3.0	6.0	
L	BMWVWV+t	MT20	4.0	9.0	
M	BMWV+t	MT20	4.0	4.0	
O	BMVWV1-t	MT20	5.0	6.0	

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

BEARINGS						
JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT IN-SX	IN-SX
O	1643	0	1643	0	0	1-10 & BLOCK
G	1643	0	1643	0	0	1-8 & BLOCK

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SO
O	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0
G	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. O ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. ¹⁴ NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK ^{24"} LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 16 NAILS TOTAL

BRACING

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-H, C-L, E-J, B-O

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 / 26	-124.4 -124.4	0.28 (1)	10.00	B-M	-128 / 77	0.05 (1)		
B-C	-1611 / 0	-124.4 -124.4	0.37 (1)	4.80	M-C	0 / 365	0.08 (2)		
C-D	-1072 / 0	-124.4 -124.4	0.34 (1)	5.65	C-L	-708 / 0	0.32 (1)		
D-E	-868 / 0	-124.4 -124.4	0.37 (1)	6.02	L-D	0 / 214	0.03 (3)		
E-F	-651 / 0	-124.4 -124.4	0.37 (1)	6.25	L-E	0 / 569	0.09 (1)		
H-F	-1716 / 0	0.0 0.0	0.86 (1)	5.08	J-E	-1170 / 0	0.58 (1)		
O-A	-218 / 0	0.0 0.0	0.02 (1)	7.81	J-F	0 / 165	0.45 (1)		
					O-B	1908 / 0	0.45 (1)		
O-N	0 / 1402	-28.0 -28.0	0.45 (2)	10.00					
N-M	0 / 1402	-28.0 -28.0	0.45 (2)	10.00					
M-L	0 / 1246	-28.0 -28.0	0.44 (2)	10.00					
L-K	0 / 651	-28.0 -28.0	0.37 (1)	10.00					
K-J	0 / 651	-28.0 -28.0	0.37 (1)	10.00					
J-I	0 / 0	-28.0 -28.0	0.82 (1)	10.00					
I-H	0 / 0	-28.0 -28.0	0.82 (1)	10.00					
H-G	0 / 0	-152.4 -152.4	0.34 (1)	10.00					

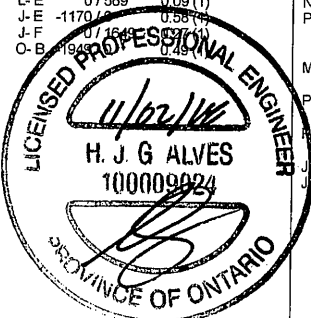
1998

4/6/92/100

H. J. G ALVE

10000992

LICENSED PROFESSIONAL



DESIGN CRITERIA

SPECIFIED LOADS:

TOP	CH.	LL	=	34.8	PSF
		DL	=	8.0	PSF
BOT	CH.	LL	=	10.5	PSF
		DL	=	7.0	PSF
TOTAL LOAD			=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.86/1.00 (F-H:1), BC=0.82/1.00 (H-J:1),
WB=0.58/1.00 (E-J:1), SSI=0.64/1.00 (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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg

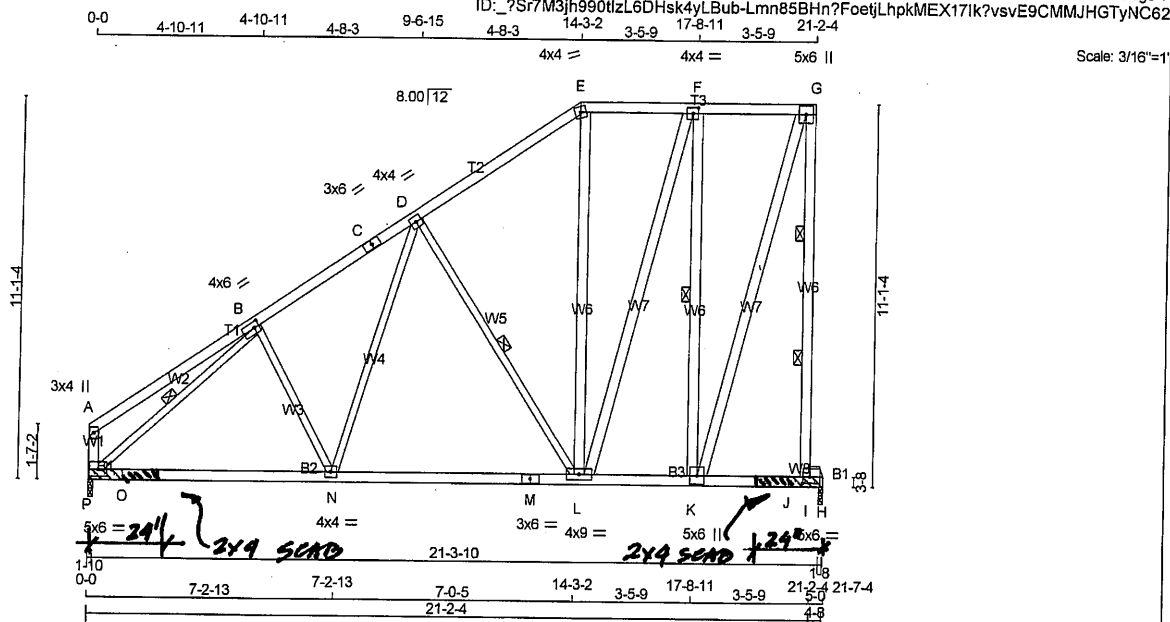
JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.65 (H) (INPUT = 1.00)

DWG NO. TAM **72812323**
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T98	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 Mittek Industries, Inc. Fri Nov 2 16:09:31 2018 Page 1
ID: ?Sr7M3jh990tlzL6DHsk4yLBub-Lmn85BHn?FoetjLhpKME171K?vsvE9CMMJHGTYNC62



TOTAL WEIGHT = 3 X 139 = 418 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF
C - E	2x4 DRY	No.2	SPF
E - G	2x4 DRY	No.2	SPF
I - G	2x4 DRY	No.2	SPF
P - A	2x4 DRY	No.2	SPF
P - M	2x4 DRY	No.2	SPF
M - H	2x4 DRY	No.2	SPF
I - H	2x4 DRY	No.2	SPF

ALL WEBS EXCEPT	2x4 DRY	No.2	SPF
B - N	2x3 DRY	No.2	SPF
N - D	2x3 DRY	No.2	SPF
D - L	2x3 DRY	No.2	SPF
P - B	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	TMVW-i	MT20	4.0	6.0	2.00	1.75
C	TS-i	MT20	3.0	6.0		
D	TMVW-i	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW-i	MT20	4.0	4.0	2.00	1.75
G	TMVW+p	MT20	5.0	6.0		
I	BMVW-i	MT20	5.0	6.0	2.25	2.50
K	BMVW+i	MT20	5.0	6.0		
L	BMVW+i	MT20	4.0	9.0		
M	BS-i	MT20	3.0	6.0		
N	BMVW-i	MT20	4.0	4.0		
P	BMVW-i	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	DOWN	UPLIFT	IN-SX
P	1643 0	1643 0	0 0	1-10 & BLOCK
H	1643 0	1643 0	0 0	1-8 & BLOCK

UNFACTORED REACTIONS

	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	COMBINED						
P	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0
H	1300	750 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. P ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 1/4" NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. H ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 1/4" NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.71 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.

2 LATERAL BRACE(S) AT 1/3 LENGTH OF G-I.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-L, B-P, F-K.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 30	-124.4 -124.4	0.36 (1)	10.00	B-N	-220 / 51	0.09 (1)
B-C	-1572 / 0	-124.4 -124.4	0.46 (1)	4.71	N-D	0 / 456	0.10 (2)
C-D	-1572 / 0	-124.4 -124.4	0.46 (1)	4.71	D-L	-832 / 0	0.47 (1)
D-E	-909 / 0	-124.4 -124.4	0.42 (1)	5.86	L-E	0 / 158	0.03 (3)
E-F	-729 / 0	-124.4 -124.4	0.23 (1)	6.25	P-B	-1936 / 0	0.56 (1)
F-G	-510 / 0	-124.4 -124.4	0.23 (1)	6.25	K-F	-1237 / 0	0.79 (1)
I-G	-1761 / 0	0.0 0.0	0.49 (1)	5.03	K-G	0 / 182	0.27 (1)
P-A	-242 / 0	0.0 0.0	0.03 (1)	7.81	L-F	0 / 146	0.27 (1)
P-O	0 / 1415	-28.0 -28.0	0.53 (2)	10.00			
O-N	0 / 1415	-28.0 -28.0	0.53 (2)	10.00			
N-M	0 / 1179	-28.0 -28.0	0.51 (2)	10.00			
M-L	0 / 1179	-28.0 -28.0	0.51 (2)	10.00			
L-K	0 / 510	-28.0 -28.0	0.31 (1)	10.00			
K-J	0 / 0	-28.0 -28.0	0.82 (1)	10.00			
J-I	0 / 0	-28.0 -28.0	0.82 (1)	10.00			
I-H	0 / 0	-152.4 -152.4	0.34 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8 PSF
	DL	=	8.0 PSF
BOT CH.	LL	=	10.5 PSF
	DL	=	7.0 PSF
TOTAL LOAD	=	60.3 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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

CSI: TC=0.49/1.00 (G-I:1), BC=0.82/1.00 (I-K:1), WB=0.79/1.00 (F-K:1), SSI=0.64/1.00 (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

AUTOSOLVE RIGHT HEEL ONLY

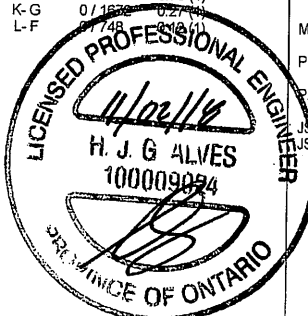
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JT GRIP= 0.89 (F) (INPUT = 0.90)
JUS METAL= 0.65 (I) (INPUT = 1.00)



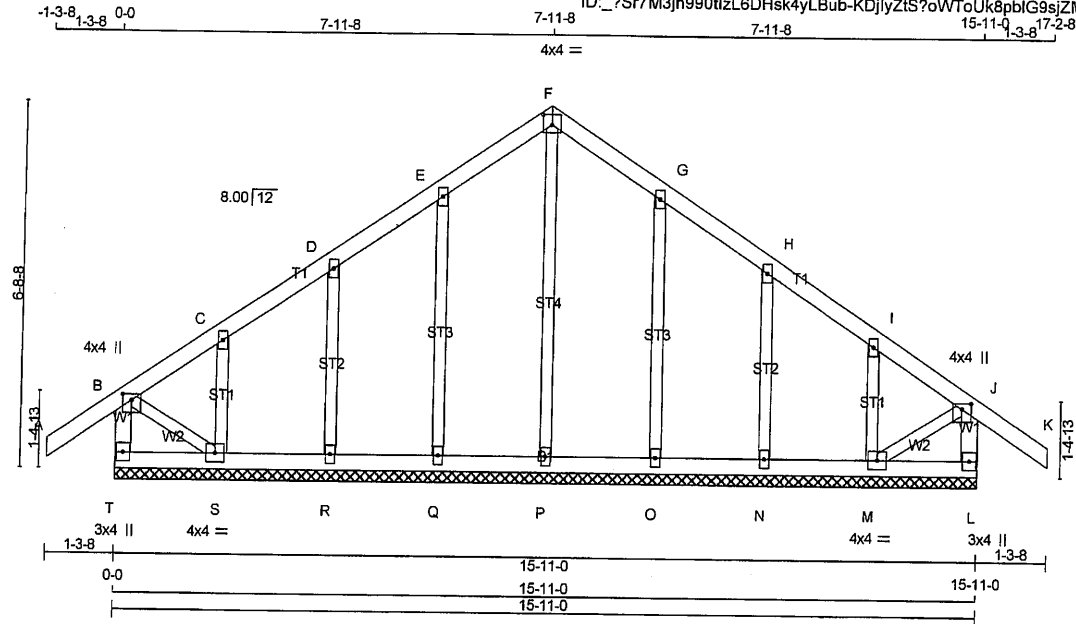
DRWG NO. TAM 178/2324
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	G99	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tlzL6DHsk4yLBub-KDjlyZtS?oWTUk8pblG9sjZMIUGx0uBY34U4RyNC6a



Scale = 1:40.5

LUMBER				
N. L. G. A. RULES	SIZE	DRY	No.2	DESCR.
CHORDS				
T - B	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
T - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				
GABLE STUDS SPACED AT 2-0-0 OC.				

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW+p	MT20	4.0	4.0	1.25 2.00
C, D, E, G, H, I				
C TMVW+w	MT20	2.0	4.0	
F TTW+p	MT20	4.0	4.0	2.25 2.00
J TMVW+p	MT20	4.0	4.0	1.25 2.00
L BMV1+p	MT20	3.0	4.0	
M BMVW1-t	MT20	4.0	4.0	
N, O, P, Q, R				
N BMV1+w	MT20	2.0	4.0	
S BMVW1-t	MT20	4.0	4.0	
T BMV1+p	MT20	3.0	4.0	

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

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. LC1 (LC)
FR-TO		FROM TO		FR-TO			
T-B	-376 / 0	0.0	0.0 0.04 (1)	P-F	-190 / 0	7.81	0.14 (1)
A-B	0 / 47	-124.4	-124.4 0.17 (1)	Q-E	-280 / 0	10.00	0.12 (1)
B-C	-65 / 0	-124.4	-124.4 0.16 (1)	R-D	-253 / 0	6.25	0.06 (1)
C-D	-23 / 0	-124.4	-124.4 0.06 (1)	S-C	-174 / 0	6.25	0.03 (1)
D-E	-20 / 0	-124.4	-124.4 0.07 (1)	O-G	-280 / 0	6.25	0.12 (1)
E-F	-31 / 0	-124.4	-124.4 0.07 (1)	N-H	-253 / 0	6.25	0.06 (1)
F-G	-31 / 0	-124.4	-124.4 0.07 (1)	M-I	-174 / 0	6.25	0.03 (1)
G-H	-20 / 0	-124.4	-124.4 0.07 (1)	B-S	0 / 35	6.25	0.01 (1)
H-I	-23 / 0	-124.4	-124.4 0.06 (1)	M-J	0 / 35	6.25	0.01 (1)
I-J	-65 / 0	-124.4	-124.4 0.16 (1)				
J-K	0 / 47	-124.4	-124.4 0.17 (1)				
L-J	-376 / 0	0.0	0.0 0.04 (1)				
T-S	0 / 0	-28.0	-28.0 0.03 (3)				
S-R	0 / 24	-28.0	-28.0 0.03 (3)				
R-Q	0 / 19	-28.0	-28.0 0.03 (3)				
Q-P	0 / 14	-28.0	-28.0 0.03 (3)				
P-O	0 / 14	-28.0	-28.0 0.03 (3)				
O-N	0 / 19	-28.0	-28.0 0.03 (3)				
N-M	0 / 24	-28.0	-28.0 0.03 (3)				
M-L	0 / 0	-28.0	-28.0 0.03 (3)				

TOTAL WEIGHT = 71 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17/1.00 (A-B:1), BC=0.03/1.00 (R-S:3), WB=0.14/1.00 (F-P:1), SSI=0.11/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.90)
JSI METAL= 0.07 (G) (INPUT = 1.00)

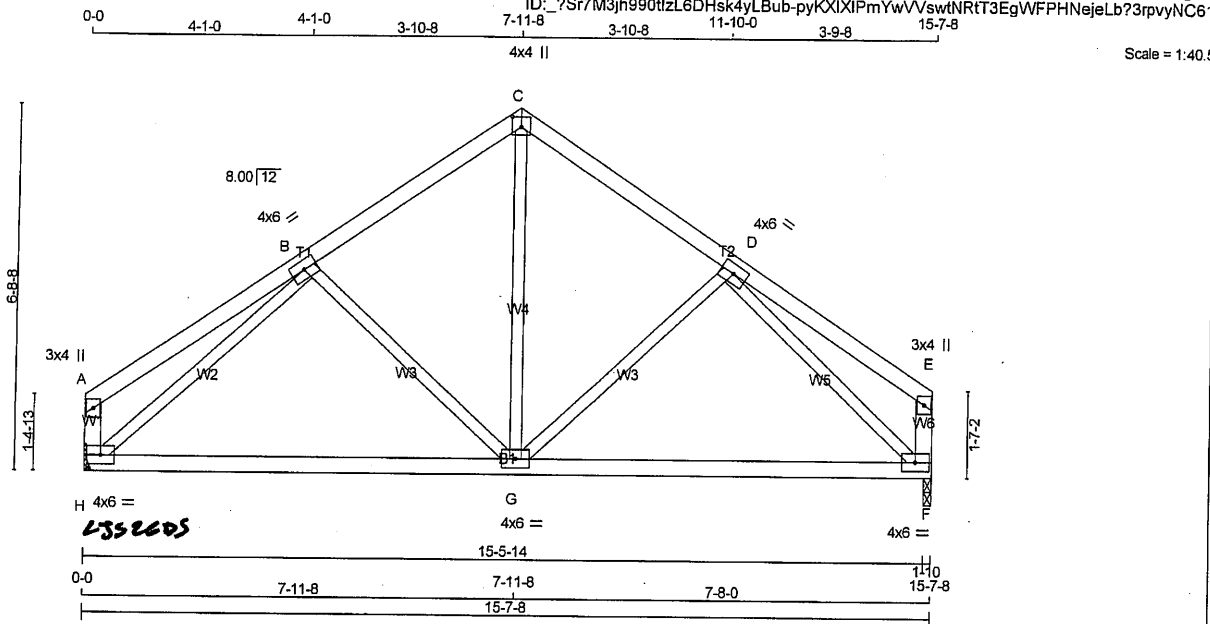


DRWG NO. TAM 11012279
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T99A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tLzL6DHsk4yLBub-pyKXIXIPmYwVVswnRTT3EgWFPHNejLb?3rpvyNC61



TOTAL WEIGHT = 63 lb
[MIF]

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
H - A	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
A	TMV+p	MT20	3.0	4.0		
B	TTWw-t	MT20	4.0	6.0		
C	TTWw-p	MT20	4.0	4.0	2.25	2.00
D	TMVw-t	MT20	4.0	6.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVw-t	MT20	4.0	6.0		
G	BMVw-t	MT20	4.0	6.0		
H	BMVw-t	MT20	4.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UPLIFT	IN-SX
H	1190	0	0	MECHANICAL
F	1190	0	0	1-10

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT H.

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
H	942	544 / 0	164 / 0	0 / 0	234 / 0	0 / 0
F	942	544 / 0	164 / 0	0 / 0	234 / 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 = 6.07 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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO		
A-B	0 / 32	-124.4	-124.4	0.31 (1)	10.00	B-G	-294 / 7	0.15 (1)
B-C	-945 / 0	-124.4	-124.4	0.25 (1)	6.07	G-C	0 / 627	0.14 (1)
C-D	-942 / 0	-124.4	-124.4	0.23 (1)	6.10	G-D	-227 / 30	0.11 (1)
D-E	0 / 32	-124.4	-124.4	0.29 (1)	10.00	H-B	-1337 / 0	0.65 (1)
H-A	-190 / 0	0.0	0.0	0.02 (1)	7.81	D-F	-1318 / 0	0.58 (1)
F-E	-171 / 0	0.0	0.0	0.02 (1)	7.81			
H-G	0 / 974	-28.0	-28.0	0.61 (3)	10.00			
G-F	0 / 926	-28.0	-28.0	0.61 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/902 (0.21")

CSI: TC=0.31/1.00 (A-B:1), BC=0.61/1.00 (G-H:3), WB=0.65/1.00 (B-H:1), SSI=0.20/1.00 (G-H: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) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (C) (INPUT = 0.90)
JSI METAL= 0.31 (B) (INPUT = 1.00)

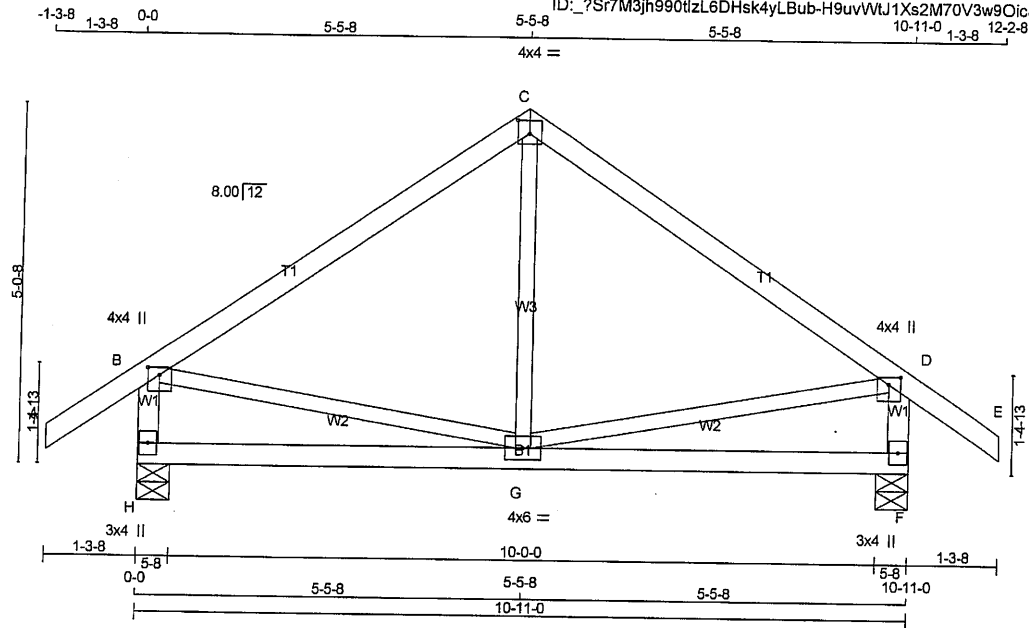


DWG NO. TAM 17812326
STRUCTURAL
COMPONENT ONLY

JOB NAME 290539	TRUSS NAME T100	QUANTITY 1	PLY 1	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:33 2018 Page 1
ID: ?Sr7M3jh990tlzL6DHsk4yLBub-H9uvWUJ1Xs2M70V3w9OicSCePoi_NJ9UqfoOLLYNC60



Scale = 1:31.0

TOTAL WEIGHT = 46 lb
[M][F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWVW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
H	1002	0	1002	0	5-8	5-8
F	1002	0	1002	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM.LIVE	DOWN			
H	776	475 / 0	115 / 0	0 / 0	0 / 0	188 / 0	0 / 0
F	776	475 / 0	115 / 0	0 / 0	0 / 0	188 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	FR-TO	WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX. (LC)			MAX. FACTORED FORCE (LBS)	MAX. (LC)
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	G-C	-10 / 231	0.06 (3)
B-C	-603 / 0	-124.4	-124.4	0.48 (1)	6.25	B-G	0 / 511	0.12 (1)
C-D	-603 / 0	-124.4	-124.4	0.48 (1)	6.25	G-D	0 / 511	0.12 (1)
D-E	0 / 47	-124.4	-124.4	0.17 (1)	10.00			
H-B	-944 / 0	0.0	0.0	0.10 (1)	7.81			
F-D	-944 / 0	0.0	0.0	0.10 (1)	7.81			
H-G	0 / 0	-28.0	-28.0	0.27 (3)	10.00			
G-F	0 / 0	-28.0	-28.0	0.27 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.36")
CALCULATED VERT. DEFL.(LL)= L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.36")
CALCULATED VERT. DEFL.(TL)= L/999 (0.05")

CSI: TC=0.48/1.00 (B-C:1), BC=0.27/1.00 (F-G:3),
WB=0.12/1.00 (B-G:1), SSI=0.22/1.00 (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) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (D) (INPUT = 0.90)
JSI METAL= 0.21 (B) (INPUT = 1.00)

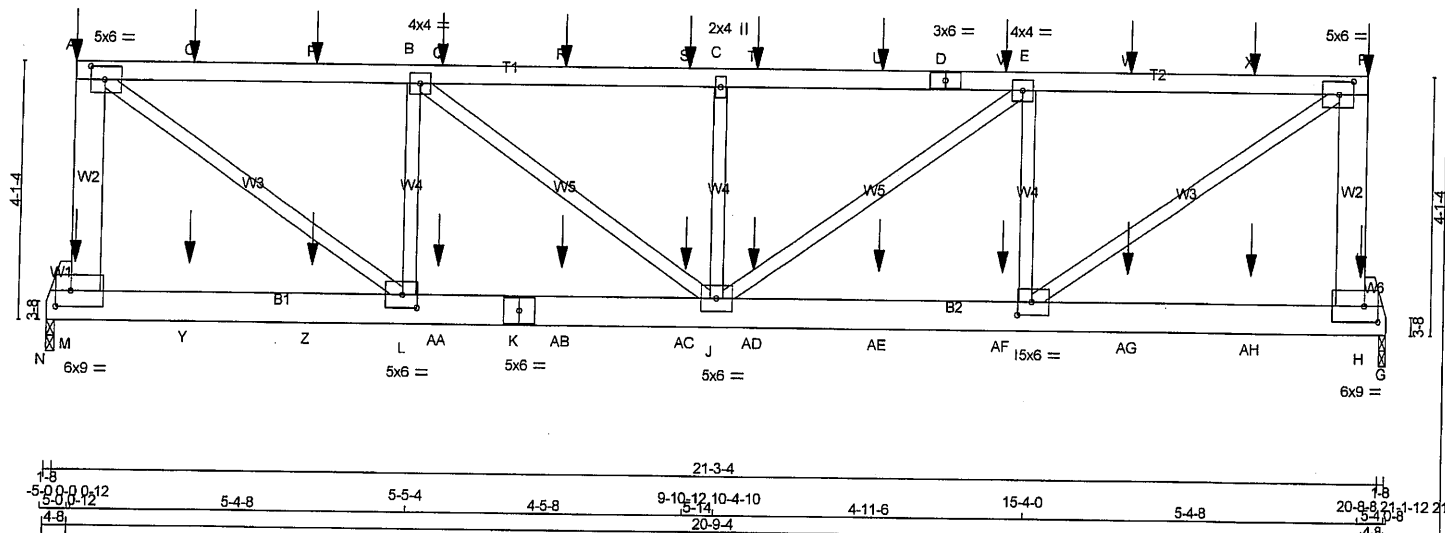


DRWG NO. TAM **148/2327**
STRUCTURAL
COMPONENT ONLY

DRWG NO.

Version 8.210 S May 18 2018 MiTek Industries, Inc. Fri Nov 2 16:09:34 2018 Page 1
ID: _?Sr7M3jh990tlzL6DHsk4yLBub-ILSHjCJfIAADIA3FUsvx8floMC1Z6gqe2JYxtovNC6

Scale = 1:35.1



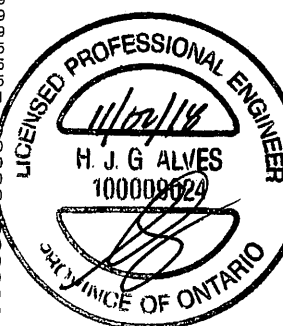
TOTAL WEIGHT = $2 \times 103 = 205$ lb

1)

N-M	0/0	-152.4	-152.4	0.16 (†)	10.00
M-Y	0/0	-28.0	-28.0	0.37 (†)	10.00
Y-Z	0/0	-28.0	-28.0	0.37 (†)	10.00
Z-L	0/0	-28.0	-28.0	0.37 (†)	10.00
L-AA	0/3212	-28.0	-28.0	0.32 (†)	10.00
AA-K	0/3212	-28.0	-28.0	0.32 (†)	10.00
K-AB	0/3212	-28.0	-28.0	0.32 (†)	10.00
AB-AC	0/3212	-28.0	-28.0	0.32 (†)	10.00
AC-J	0/3212	-28.0	-28.0	0.32 (†)	10.00
J-AD	0/3214	-28.0	-28.0	0.32 (†)	10.00
AD-AE	0/3214	-28.0	-28.0	0.32 (†)	10.00
AE-AF	0/3214	-28.0	-28.0	0.32 (†)	10.00
AF-I	0/3214	-28.0	-28.0	0.32 (†)	10.00
I-AG	0/0	-28.0	-28.0	0.37 (†)	10.00
AG-AH	0/0	-28.0	-28.0	0.37 (†)	10.00
AH-H	0/0	-28.0	-28.0	0.37 (†)	10.00
H-G	0/0	-152.4	-152.4	0.16 (†)	10.00

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
A	0-0	-152	-152	---	BACK	VERT	TOTAL
F	20-9-4	-143	-143	---	BACK	VERT	TOTAL

JSI GRIP= 0.85 (L) (INPUT = 0.90)
JSI METAL= 0.40 (I) (INPUT = 1.00)



DWG NO. TAM 7212320

STRUCTURAL
COMPONENT ONLY

17

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T101	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 218.6 lbs FACTORED DOWN AT 0-0, 149.7 lbs FACTORED DOWN AT 1-10-12, 149.7 lbs FACTORED DOWN AT 3-10-12, 149.7 lbs FACTORED DOWN AT 5-10-12, 149.7 lbs FACTORED DOWN AT 7-10-12, 149.7 lbs FACTORED DOWN AT 9-10-12, 149.7 lbs FACTORED DOWN AT 10-11-8, 149.7 lbs FACTORED DOWN AT 12-11-8, 149.7 lbs FACTORED DOWN AT 14-11-8, 149.7 lbs FACTORED DOWN AT 16-11-8, AND 149.7 lbs FACTORED DOWN AT 18-11-8, AND 208.0 lbs FACTORED DOWN AT 20-9-4 ON TOP CHORD, AND 83.7 lbs FACTORED DOWN AT 0-12, 49.9 lbs FACTORED DOWN AT 1-10-12, 49.9 lbs FACTORED DOWN AT 3-10-12, 49.9 lbs FACTORED DOWN AT 5-10-12, 49.9 lbs FACTORED DOWN AT 7-10-12, 49.9 lbs FACTORED DOWN AT 9-10-12, 49.9 lbs FACTORED DOWN AT 10-11-8, 49.9 lbs FACTORED DOWN AT 12-11-8, 49.9 lbs FACTORED DOWN AT 14-11-8, 49.9 lbs FACTORED DOWN AT 16-11-8, AND 49.9 lbs FACTORED DOWN AT 18-11-8, AND 73.0 lbs FACTORED DOWN AT 20-8-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
H	20-8-8	-51	-51	—	BACK	VERT	TOTAL
M	0-12	-80	-80	—	BACK	VERT	TOTAL
O	1-10-12	-103	-103	—	BACK	VERT	TOTAL
P	3-10-12	-103	-103	—	BACK	VERT	TOTAL
Q	5-10-12	-103	-103	—	BACK	VERT	TOTAL
R	7-10-12	-103	-103	—	BACK	VERT	TOTAL
S	9-10-12	-103	-103	—	BACK	VERT	TOTAL
T	10-11-8	-103	-103	—	BACK	VERT	TOTAL
U	12-11-8	-103	-103	—	BACK	VERT	TOTAL
V	14-11-8	-103	-103	—	BACK	VERT	TOTAL
W	16-11-8	-103	-103	—	BACK	VERT	TOTAL
X	18-11-8	-103	-103	—	BACK	VERT	TOTAL
Y	1-10-12	-34	-34	—	BACK	VERT	TOTAL
Z	3-10-12	-34	-34	—	BACK	VERT	TOTAL
AA	5-10-12	-34	-34	—	BACK	VERT	TOTAL
AB	7-10-12	-34	-34	—	BACK	VERT	TOTAL
AC	9-10-12	-34	-34	—	BACK	VERT	TOTAL
AD	10-11-8	-34	-34	—	BACK	VERT	TOTAL
AE	12-11-8	-34	-34	—	BACK	VERT	TOTAL
AF	14-11-8	-34	-34	—	BACK	VERT	TOTAL
AG	16-11-8	-34	-34	—	BACK	VERT	TOTAL
AH	18-11-8	-34	-34	—	BACK	VERT	TOTAL



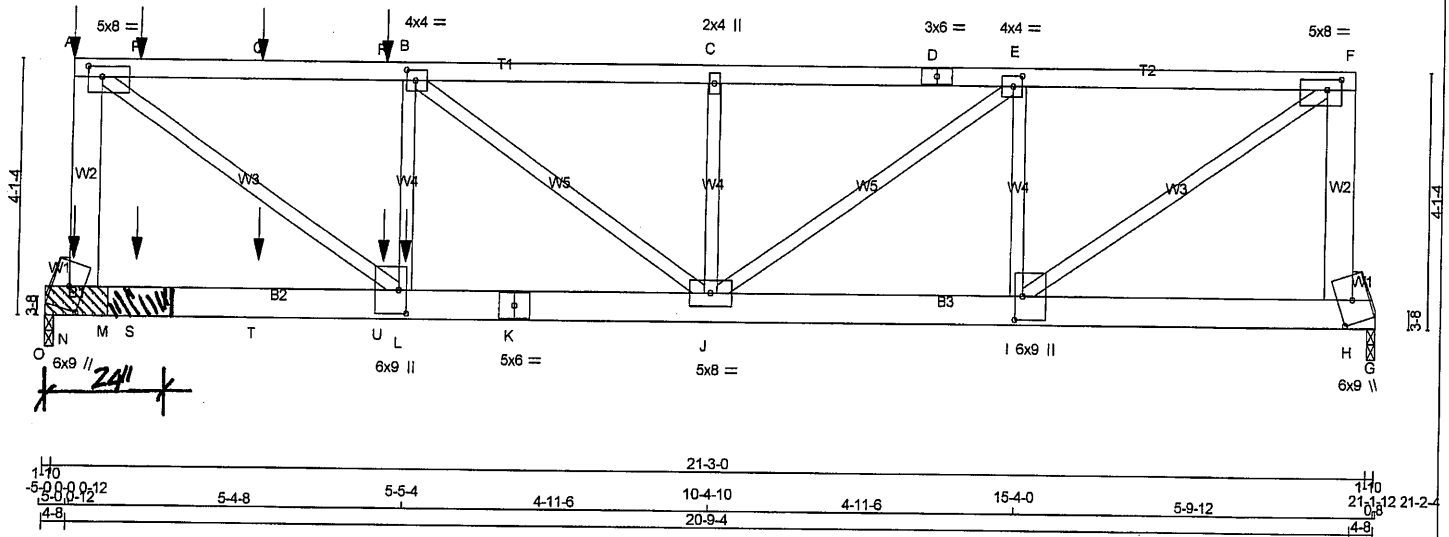
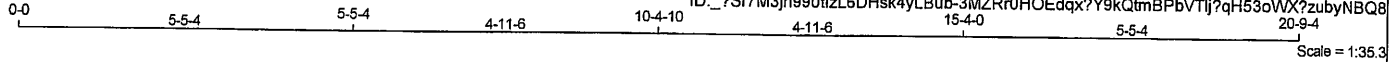
DWG NO. TAM 1101232 B
STRUCTURAL
COMPONENT ONLY 2/2

JOB NAME 290539	TRUSS NAME T101Z	QUANTITY 1	PLY 2	JOB DESC. TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:56:21 2018 Page 1

ID: ?Sr7M3jh990tizL6DHsk4yLBub-3MZrR0HOEdqx?Y9kQtmBPbVTlj?qH53oVX?zubyNBQ8



TOTAL WEIGHT = 2 X 104 = 209 lb

LUMBER	N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS				
N - A	2x6	DRY	No.2	SPF
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
H - F	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
O - N	2x6	DRY	No.2	SPF
K - G	2x6	DRY	No.2	SPF
H - 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		
N-A 2	12	TOP
F-H 2	12	TOP
A-D 1	12	SIDE(61.0)
D-F 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
O-K 2	12	SIDE(183.1)
K-G 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
B-L 1	3	SIDE(535.5)
2x3 1	6	
E-I 1	3	
2x6 2	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 PLYS 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	2.00 2.75
B	TMVW-t	MT20	4.0	4.0	2.00 1.75
C	TMVW-w	MT20	2.0	4.0	
D	TS-t	MT20	3.0	6.0	
E	TMVW-t	MT20	4.0	4.0	2.00 1.75
F	TMVW-t	MT20	5.0	8.0	2.00 2.75
H	BMVWm	MT20	6.0	9.0	2.75 4.25
I	BMVW-t	MT20	6.0	9.0	4.50 1.50
J	BMVWw-t	MT20	5.0	8.0	
K	BS-t	MT20	5.0	6.0	
L	BMVW-t	MT20	6.0	9.0	4.50 1.50
N	BMVWm	MT20	6.0	9.0	2.75 4.25

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
O	4339	0	4339	0
G	2470	0	2470	0

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	3398	2042 / 0	558 / 0	0 / 0	0 / 0	797 / 0	0 / 0
G	1940	1150 / 0	323 / 0	0 / 0	0 / 0	467 / 0	0 / 0

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

2x6 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. O ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 2P NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLINE SPACING = 3.53 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 MAX. (PLF)	MAX. FACTORED UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO			
N-A	0/0	-4482 / 0	0.0	0.0	0.38 (1)	A-L	0 / 6747	0.84 (1)	
A-P	0/0	-5564 / 0	-124.4	-124.4	0.61 (1)	L-B	-434 / 84	0.06 (1)	
P-Q	0/0	-5564 / 0	-124.4	-124.4	0.61 (1)	B-J	-1023 / 0	0.34 (1)	
Q-R	0/0	-5564 / 0	-124.4	-124.4	0.61 (1)	J-C	-507 / 0	0.06 (1)	
R-B	0/0	-5564 / 0	-124.4	-124.4	0.61 (1)	E-E	0 / 1777	0.22 (1)	
B-C	0/0	-4747 / 0	-124.4	-124.4	0.49 (1)	I-E	-1824 / 0	0.25 (1)	
C-D	0/0	-4747 / 0	-124.4	-124.4	0.40 (1)				
D-E	0/0	-4747 / 0	-124.4	-124.4	0.40 (1)				
E-F	0/0	-3328 / 0	-124.4	-124.4	0.35 (1)				
H-F	0/0	-2555 / 0	0.0	0.0	0.20 (1)				
O-N	0/0	-152.4	-152.4	0.25 (1)	10.00				
N-M	0/0	-28.0	-28.0	0.59 (1)	10.00				
M-S	0/0	-28.0	-28.0	0.59 (1)	10.00				
S-T	0/0	-28.0	-28.0	0.59 (1)	10.00				
T-U	0/0	-28.0	-28.0	0.59 (1)	10.00				
U-L	0/0	-28.0	-28.0	0.59 (1)	10.00				
L-K	0 / 5564	-28.0	-28.0	0.47 (1)	10.00				
K-J	0 / 5564	-28.0	-28.0	0.47 (1)	10.00				
J-I	0 / 3328	-28.0	-28.0	0.32 (1)	10.00				
I-H	0/0	-28.0	-28.0	0.34 (1)	10.00				
H-G	0/0	-152.4	-152.4	0.14 (1)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
A	0-0	-152	-152	---	FRONT	VERT	TOTAL
L	5-5-4	-2121	-2121	---	FRONT	VERT	TOTAL
N	0-12	-60	-60	---	FRONT	VERT	TOTAL
P	1-1-0	-103	-103	---	FRONT	VERT	TOTAL
Q	3-1-0	-103	-103	---	FRONT	VERT	TOTAL
R	5-1-0	-103	-103	---	FRONT	VERT	TOTAL
S	1-1-0	-34	-34	---	FRONT	VERT	TOTAL
T	3-1-0	-34	-34	---	FRONT	VERT	TOTAL
U	5-1-0	-34	-34	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 60.3 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, NBC 2010

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

CSI: TC=0.61/1.00 (A-B-1), BC=0.59/1.00 (L-N-1),
WB=0.84/1.00 (A-L-1), SSI=0.72/1.00 (N-O-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) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT = 0.90)
JSI METAL= 0.60 (L) (INPUT = 1.00)

DRWG NO. TAM 171812329
STRUCTURAL
COMPONENT ONLY

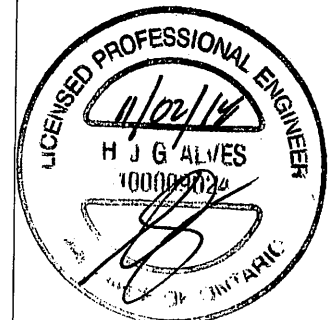
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T101Z	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Fri Nov 2 16:56:21 2018 Page 2
ID: ?Sr7M3ih990tlzL6DHsk4yLBub-3MZRRdHOEdqx?Y9kQtmBPbVTIj?qH53oVWX?zubynBQ8

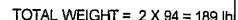
HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 218.6 lbs FACTORED DOWN AT 0-0, 149.7 lbs FACTORED DOWN AT 1-1-0, AND 149.7 lbs FACTORED DOWN AT 3-1-0, AND 149.7 lbs FACTORED DOWN AT 5-1-0 ON TOP CHORD, AND 83.7 lbs FACTORED DOWN AT 0-12, 49.9 lbs FACTORED DOWN AT 1-1-0, 49.9 lbs FACTORED DOWN AT 3-1-0, AND 49.9 lbs FACTORED DOWN AT 5-1-0, AND 2754.6 lbs FACTORED DOWN AT 5-5-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM T1012329
STRUCTURAL
COMPONENT ONLY 7/2

Scale = 1:35.3

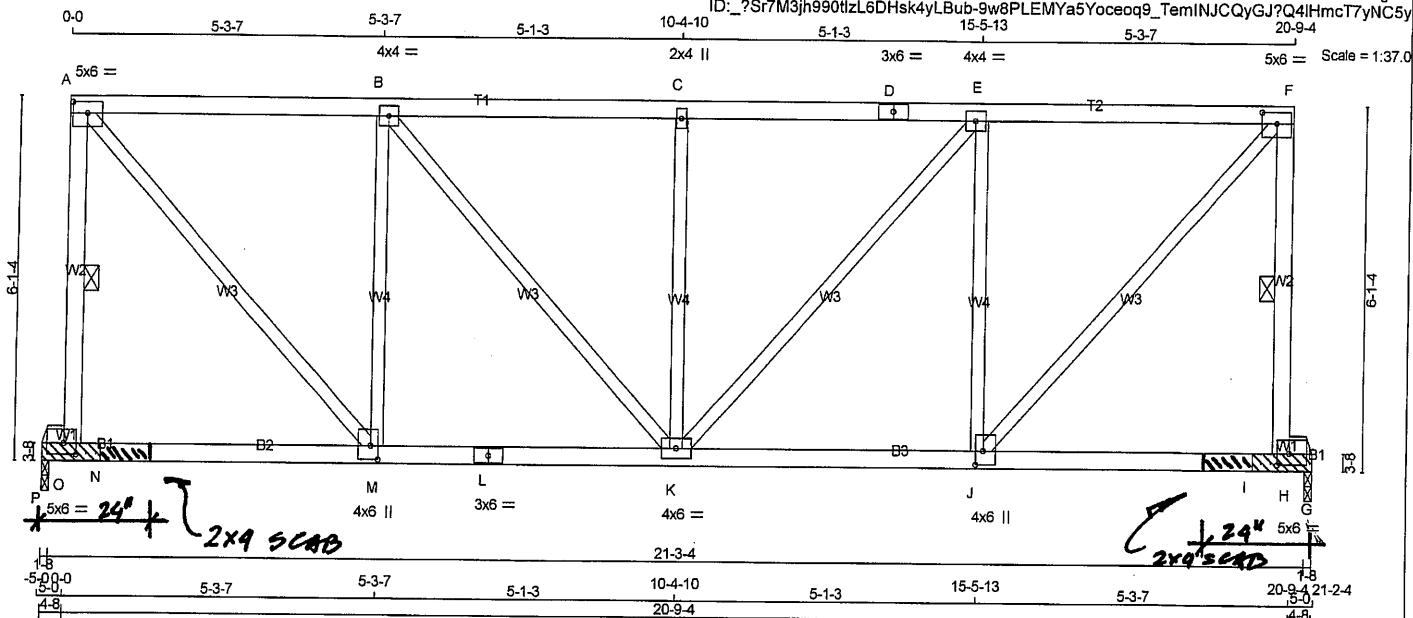


DWG NO. TAM **71012330**
 STRUCTURAL
 COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T103	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: 2Sr7M3jh990tlzL6DHsk4yLBub-9w8PLEMYa5Yoceoq9_TemINJCQyGJ?Q4IHmcT7yNC5y
20-9-4



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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVV-t	MT20	5.0	6.0	2.25	3.00
B	TMVV-t	MT20	4.0	4.0		
C	TMVV-t	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVV-t	MT20	4.0	4.0		
F	TMVV-t	MT20	5.0	6.0	2.25	3.00
H	BMVV-t	MT20	5.0	6.0	2.25	2.50
J	BMVV-t	MT20	4.0	6.0	2.75	1.50
K	BMVV-t	MT20	4.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMVV-t	MT20	4.0	6.0	2.75	1.50
O	BMVV-t	MT20	5.0	6.0	2.25	2.50

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
P	VERT	DOWN	UPLIFT	IN-SX
G	1640	0	1-8	1-8 & BLOCK
	1640	0	0	1-8 & BLOCK

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
P	1297	749 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0
G	1297	749 / 0	226 / 0	0 / 0	0 / 0	323 / 0	0 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. P ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
O-A	-1669 / 0	0.0 0.0 0.30 (1)	J-F	0 / 1902
A-B	-1280 / 0	-124.4 -124.4 0.54 (1)	A-M	0 / 1902
B-C	-1546 / 0	-124.4 -124.4 0.56 (1)	J-E	-1043 / 0
C-D	-1546 / 0	-124.4 -124.4 0.56 (1)	M-B	-1043 / 0
D-E	-1546 / 0	-124.4 -124.4 0.56 (1)	K-E	0 / 403
E-F	-1280 / 0	-124.4 -124.4 0.54 (1)	B-K	0 / 403
H-F	-1669 / 0	0.0 0.0 0.30 (1)	K-C	-580 / 0
P-O	0 / 0	-152.4 -152.4 0.34 (1)		
O-N	0 / 0	-28.0 -28.0 0.82 (1)		
N-M	0 / 0	-28.0 -28.0 0.82 (1)		
M-L	0 / 1280	-28.0 -28.0 0.54 (1)		
L-K	0 / 1280	-28.0 -28.0 0.54 (1)		
K-J	0 / 1280	-28.0 -28.0 0.54 (1)		
J-I	0 / 0	-28.0 -28.0 0.82 (1)		
I-H	0 / 0	-28.0 -28.0 0.82 (1)		
H-G	0 / 0	-152.4 -152.4 0.34 (1)		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 34.8	PSF
	DL = 8.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.72")
CALCULATED VERT. DEFL. (LL) = L/999 (0.18")
ALLOWABLE DEFL. (TL) = L/360 (0.72")
CALCULATED VERT. DEFL. (TL) = L/815 (0.32")

CSI: TC=0.56/1.00 (B-C:1), BC=0.82/1.00 (H-J:1),
WB=0.61/1.00 (B-M:1), SSI=0.64/1.00 (O-P: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.

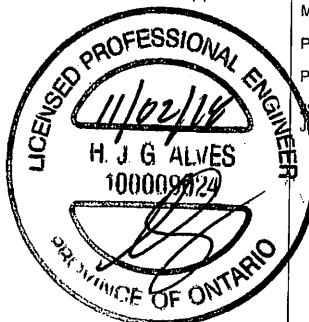
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SSI GRIP= 0.89 (A) (INPUT = 0.90)
SSI METAL= 0.65 (H) (INPUT = 1.00)

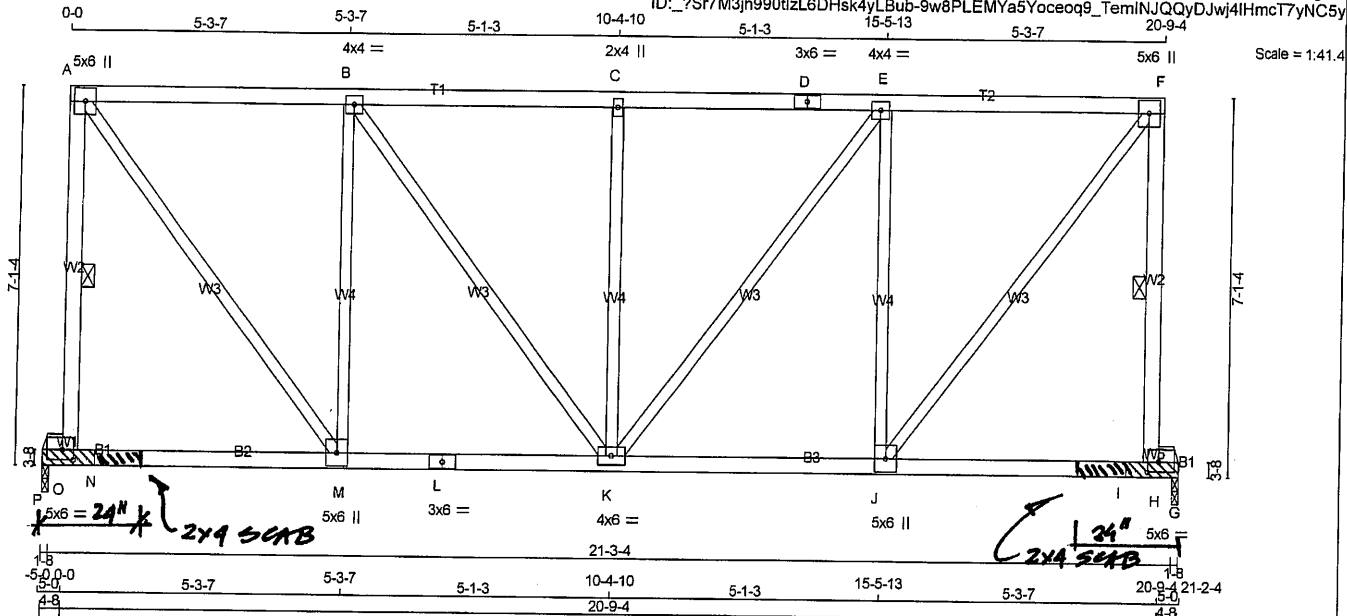


DRWG NO. TAM 14212331
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T104	11	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: _?Sr7M3jh990tizL6DHsk4yLBub-9w8PLEMYa5Yocaoq9_TemINJQqYdJWj4IHmcT7yNC5y



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
O - A	2x4	DRY	No.2	SPF
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
P - L	2x4	DRY	No.2	SPF
L - O	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0		
B	TMVW-t	MT20	4.0	4.0		
C	TMVW+w	MT20	2.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW+p	MT20	5.0	6.0		
H	BMVW-t	MT20	5.0	6.0	2.25	2.50
J	BMVW-t	MT20	5.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMVW-t	MT20	5.0	6.0		
O	BMVW-t	MT20	5.0	6.0	2.25	2.50

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	HORZ	DOWN	UP
JT	1640	0	1640	0
P	1640	0	1640	0
G	1640	0	1640	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN.	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
P	1298	749 / 0	226 / 0
G	1298	749 / 0	226 / 0

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. P ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. G ATTACHED TO FRONT SIDE WITH 2 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 14 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	CHORDS	MAX. FACTORED	VERT. LOAD	LC1	MAX
		(LBS)	(PLF)	(LC)	(LC)	UNBRAC			(LBS)	(PLF)	(LC)	(LC)
FR-TO						LENGTH	FR-TO					
O-A	-1670 / 0	0.0	0.0	0.38 (1)	5.14	J-F	0 / 1782	0.40 (1)				
A-B	-1093 / 0	-124.4	-124.4	0.53 (1)	5.25	A-M	0 / 1782	0.40 (1)				
B-C	-1319 / 0	-124.4	-124.4	0.54 (1)	4.86	J-E	-1043 / 0	0.91 (1)				
C-D	-1319 / 0	-124.4	-124.4	0.54 (1)	4.86	M-B	-1042 / 0	0.91 (1)				
D-E	-1319 / 0	-124.4	-124.4	0.54 (1)	4.86	K-E	0 / 378	0.09 (1)				
E-F	-1092 / 0	-124.4	-124.4	0.53 (1)	5.25	B-K	0 / 378	0.08 (1)				
H-F	-1670 / 0	0.0	0.0	0.38 (1)	5.14	K-C	-579 / 0	0.51 (1)				
P-O	0 / 0	-152.4	-152.4	0.34 (1)	10.00							
O-N	0 / 0	-28.0	-28.0	0.82 (1)	10.00							
N-M	0 / 0	-28.0	-28.0	0.82 (1)	10.00							
M-L	0 / 1093	-28.0	-28.0	0.51 (1)	10.00							
L-K	0 / 1093	-28.0	-28.0	0.51 (1)	10.00							
K-J	0 / 1092	-28.0	-28.0	0.51 (1)	10.00							
J-I	0 / 0	-28.0	-28.0	0.82 (1)	10.00							
I-H	0 / 0	-28.0	-28.0	0.82 (1)	10.00							
H-G	0 / 0	-152.4	-152.4	0.34 (1)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 34.8	PSF
	DL	= 8.0	PSF
BOT CH.	LL	= 10.5	PSF
	DL	= 7.0	PSF
TOTAL LOAD	=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.72")
CALCULATED VERT. DEFL.(LL) = L/999 (0.18")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/822 (0.31")

CSI: TC=0.54/1.00 (C-E:1), BC=0.82/1.00 (M-O:1)
WB=0.91/1.00 (E-J:1), SSI=0.64/1.00 (O-P: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.

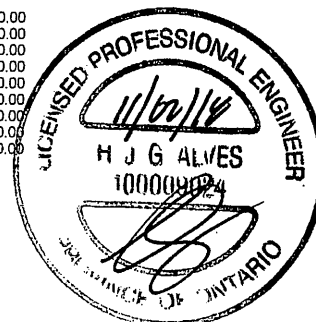
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.65 (O) (INPUT = 1.00)

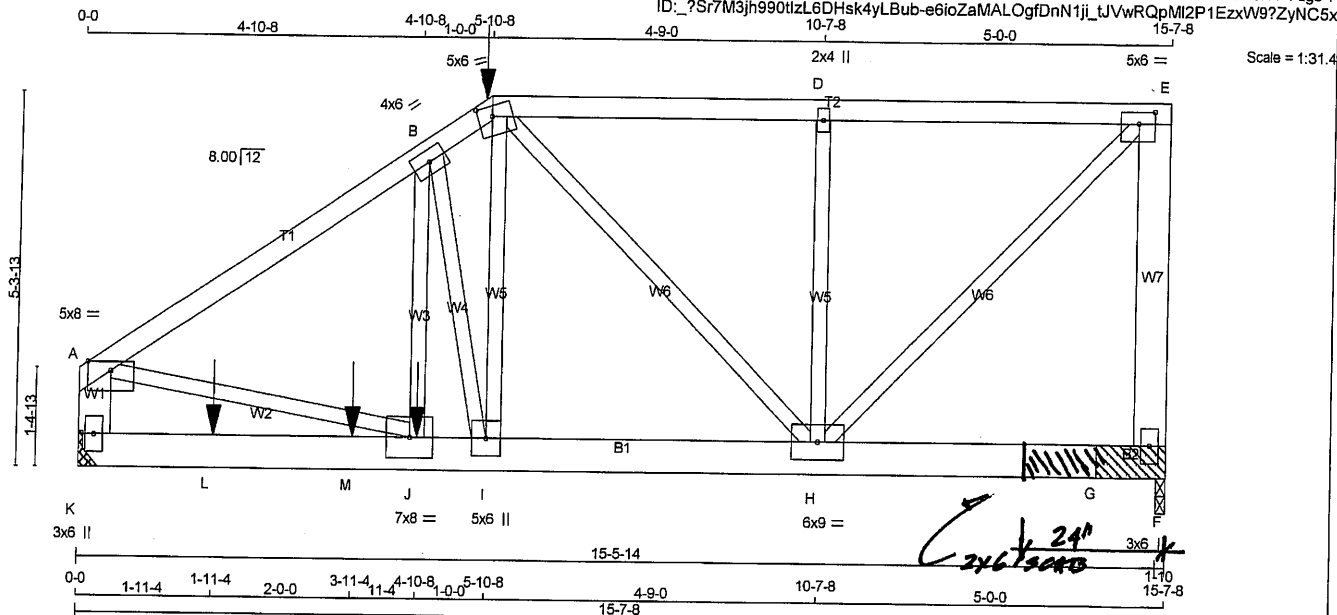


DRWG NO. TAM 116 12332
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
290539	T106	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: ?Sr7M3jh990tlzL6DHsk4yLBub-e6ioZaMALogfDnN1ji_tJVwRQpMi2P1EzW9?ZyNC5x



TOTAL WEIGHT = 87 lb
(M)

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
F - E	2x6	DRY	No.2	SPF	
K - A	2x6	DRY	No.2	SPF	
K - F	2x6	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVV-p	MT20	5.0	8.0	Edge
B	TMWW-t	MT20	4.0	6.0	
C	TTWW-m	MT20	5.0	6.0	1.75 2.50
D	TMWW-t	MT20	2.0	4.0	
E	TMWW-t	MT20	5.0	6.0	2.00 2.75
F	BMV1+p	MT20	3.0	6.0	
H	BMWWV-t	MT20	6.0	9.0	
I	BMWWV-t	MT20	5.0	6.0	
J	BMWWV-t	MT20	7.0	8.0	
K	BMV1+p	MT20	3.0	6.0	

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

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 334.1 lbs FACTORED DOWN AT 5-10-8 ON TOP CHORD, AND 75.8 lbs FACTORED DOWN AT 1-11-4, AND 71.7 lbs FACTORED DOWN AT 3-11-4, AND 1625.9 lbs FACTORED DOWN AT 4-10-8 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	FACTORED GROSS REACTION HORZ	INPUT BRG UPLIFT	REQD BRG IN-SX
F	1839	0	1839	0
K	2582	0	2582	0

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT K.

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. SNOW	MAX./MIN. LIVE	MAX./MIN. PERM. LIVE	WIND	DEAD	SOIL
F	1440	855/0	234/0	0/0	0/0	351/0	0/0
K	2033	1191/0	343/0	0/0	0/0	500/0	0/0

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

2x6 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. F ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 21 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
FR-TO	A-B	-2967/0	-124.4	-124.4	0.72 (1)	3.33	J-B	0/891	0.22 (1)
	B-C	-2773/0	-124.4	-124.4	0.45 (1)	3.60	B-I	-1434/0	0.48 (1)
	C-D	-1548/0	-124.4	-124.4	0.60 (1)	4.40	I-C	0/1819	0.45 (1)
	D-E	-1548/0	-124.4	-124.4	0.61 (1)	4.40	C-H	-931/0	0.78 (1)
	E-F	-1771/0	0.0	0.0	0.52 (1)	7.45	H-D	-746/0	0.30 (1)
	F-K	-2436/0	0.0	0.0	0.17 (1)	6.58	D-E	0/2176	0.54 (1)
	K-L	0/0	-28.0	-28.0	0.21 (1)	10.00	A-J	0/2542	0.63 (1)
	L-M	0/0	-28.0	-28.0	0.21 (1)	10.00			
	M-J	0/0	-28.0	-28.0	0.21 (1)	10.00			
	J-I	0/2455	-28.0	-28.0	0.49 (1)	10.00			
	I-H	0/2194	-28.0	-28.0	0.37 (1)	10.00			
	H-G	0/0	-28.0	-28.0	0.08 (3)	10.00			
	G-F	0/0	-28.0	-28.0	0.08 (3)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX-	MAX+	FACE	DIR.
C	5-10-8	-236	-236	---	FRONT	VERT
J	4-10-8	-1251	-1251	---	FRONT	VERT
L	1-11-4	-51	-51	---	FRONT	VERT
M	3-11-4	-51	-51	---	FRONT	VERT

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	34.8	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	60.3	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 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.72/1.00 (A-B:1), BC=0.49/1.00 (I-J:1), WB=0.78/1.00 (C-H:1), SS=0.33/1.00 (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)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.88 (C) (INPUT = 0.90)
SI METAL= 0.69 (C) (INPUT = 1.00)

DRWG NO. TAM 11812333
STRUCTURAL
COMPONENT ONLY