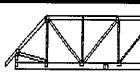
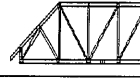
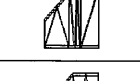
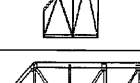
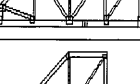
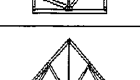
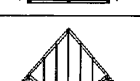
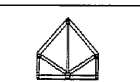
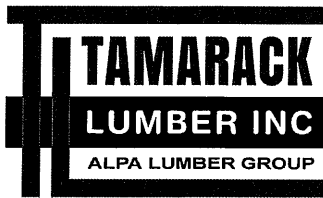


DATE	10/29/18
SALES REP	Mario

ELEVATION: EL 1 TH51-1 BLOCK51

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 2 Ply	T1 HALF HIP	8.00 0.00	18-06-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-04	174.20 108.00		
	1	T2 HALF HIP	8.00 0.00	18-06-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	83.68 53.33		
	1	T3 HALF HIP	8.00 0.00	18-06-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	82.35 51.67		
	1	T4 HALF HIP	8.00 0.00	18-06-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 07-01-04	87.40 55.34		
	1	T5 HALF HIP	8.00 0.00	18-06-08	08-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 08-01-04	94.93 59.50		
	1 2 Ply	T6 HALF HIP	8.00 0.00	18-06-08	08-08-12	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 08-08-12	217.34 131.34		
	1	T7 ROOF	8.00 0.00	18-06-08	04-09-12	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-09-12	100.48 63.83		
	1	T8 ROOF	8.00 0.00	18-06-08	05-09-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-09-12	94.12 61.33		
	1	T9 ROOF	8.00 0.00	18-06-08	06-09-12	2 X 4	2 X 4	01-05-00 00-00-00	01-04-13 06-09-12	102.63 66.00		
	1 2 Ply	T10 ROOF	8.00 0.00	18-06-08	07-02-12	2 X 4	2 X 6	01-05-00 00-00-00	01-04-13 07-02-12	238.36 148.34		
	1	T11 ROOF	8.00 0.00	14-03-08	08-02-12	2 X 4	2 X 4	00-00-00 00-00-00	04-02-13 08-02-12	94.75 61.00		
	1	T12 ROOF	8.00 0.00	14-03-08	09-02-12	2 X 4	2 X 4	00-00-00 00-00-00	04-02-13 09-02-12	103.76 65.17		
	2	T13 HALF HIP	8.00 0.00	14-03-08	09-02-12	2 X 4	2 X 4	00-00-00 00-00-00	04-02-13 09-02-12	164.60 105.00		
	1	T14 HALF HIP	8.00 0.00	16-08-08	04-01-04	2 X 4	2 X 6	00-00-00 00-00-00	01-04-13 04-01-04	81.46 51.67		
	1	T15 HALF HIP	8.00 0.00	08-06-08	04-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 04-01-04	36.10 23.67		
	2	T16 COMMON	8.00 0.00	13-05-00	05-10-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	116.62 74.00		
	1	G16 COMMON	8.00 0.00	13-05-00	05-10-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	58.93 37.00		
	2	T17 COMMON	8.00 0.00	07-07-00	04-04-13	2 X 4	2 X 4	00-00-00 00-00-00	01-10-08 01-10-08	63.60 41.34		



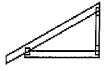
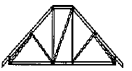
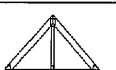
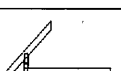
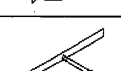
Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293983	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 14	ELEVATION: EL 1 TH51-1 BLOCK51	

ROOF TRUSSES

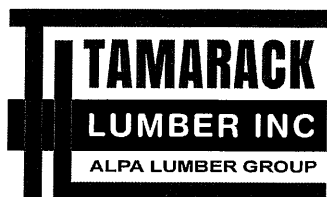
ROOF TRUSS SPACING:24.0 IN. O.C. (TYP.)

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
	1 2 Ply	T18 COMMON	8.00 0.00	07-07-00	05-10-13	2 X 4	2 X 6	00-00-00 00-00-00	03-04-08 03-04-08	91.78 57.34		
	9	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	143.37 96.03		
	1	T151 HIP GIRDER	8.00 0.00	19-06-00	04-10-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	84.42 54.17		
	1	T152 HIP	8.00 0.00	19-06-00	06-02-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	83.38 52.84		
	2	T153 COMMON	8.00 0.00	19-06-00	07-05-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	164.52 102.66		
	3	T153A COMMON	8.00 0.00	19-03-00	07-05-05	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 01-01-05	239.67 150.00		
	1	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	48.76 30.17		
	1	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	30.93 19.33		
	1	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	19.79 13.00		
	12	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	201.48 128.04		
	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		
	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	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 02-03-10	87.30 54.15		
	6	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	118.92 76.02		
	1	J28 JACK-OPEN	4.00 0.00	07-04-00	02-09-04	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-09-04	22.00 14.00		

TOTAL # TRUSS= 82.00

TOTAL BFT OF ALL TRUSSES=

2214.63 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3504.52 LBS.



Delivery Shiplist

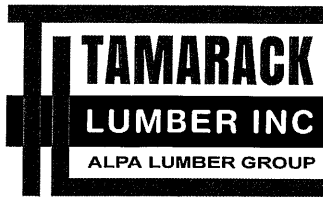
DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293983	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 14	ELEVATION: EL 1 TH51-1 BLOCK51	

HARDWARE

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

TOTAL # ITEMS= 16.00



Delivery Shiplist

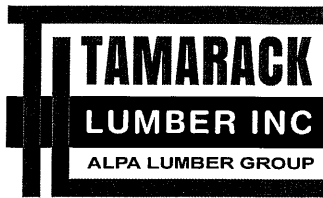
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246 LAYOUT ID: 293985 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 3A ELEVATION: EL 1A TH51-2 BLOCK51

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	T21 HALF HIP	8.00 0.00	21-06-12	04-01-04	2 X 4	2 X 6	00-00-00 00-00-00	01-07-02 04-01-04	192.82 119.34		
	2 Ply											
	1	T22 HALF HIP	8.00 0.00	21-06-12	05-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 05-01-04	88.98 56.33		
	1	T23 HALF HIP	8.00 0.00	21-06-12	06-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 06-01-04	97.09 62.00		
	2	T24 HALF HIP	8.00 0.00	21-06-12	07-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 07-01-04	207.46 131.66		
	2	T25 HALF HIP	8.00 0.00	21-06-12	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 08-01-04	203.18 127.66		
	2	T26 HALF HIP	8.00 0.00	21-06-12	09-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 09-01-04	227.02 141.00		
	3	T27 HALF HIP	8.00 0.00	21-06-12	10-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 10-01-04	377.37 234.99		
	1	T28 HIP GIRDER	8.00 0.00	21-06-12	05-03-13	2 X 6	2 X 6	00-00-00 00-00-00	01-07-02 01-07-02	123.92 78.33		
	1	T29 HIP	8.00 0.00	21-06-12	06-07-13	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-07-02	93.09 60.33		
	1	T30 HIP	8.00 0.00	21-06-12	07-11-13	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-07-02	99.70 64.33		
	1	T31 COMMON	8.00 0.00	21-06-12	08-09-06	2 X 4	2 X 4	00-00-00 00-00-00	01-07-02 01-07-02	90.90 57.00		
	2	T32A COMMON	8.00 0.00	10-01-08	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-07-02	79.00 52.34		
	2	T32S ROOF	8.00 8.00	10-05-00	04-10-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	93.96 65.34		
	14	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	223.02 149.38		
	1	T154 HIP GIRDER	8.00 0.00	18-11-08	04-10-05	2 X 4	2 X 4	01-03-08 00-00-00	00-11-05 01-00-05	81.23 52.83		
	1	T155 HIP	8.00 0.00	18-11-08	06-02-05	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	81.88 52.17		
	6	T156 COMMON	8.00 0.00	19-01-00	07-03-10	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	483.78 307.98		
	1	V1 VALLEY	6.00 0.00	29-05-00	04-04-13	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	95.40 59.33		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246 LAYOUT ID: 293985 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 3A ELEVATION: EL 1A TH51-2 BLOCK51

ROOF TRUSSES

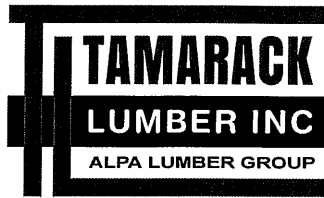
ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

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	V2 VALLEY	6.00 0.00	24-01-00	04-04-13	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	77.02 48.67		
	1	V3 VALLEY	6.00 0.00	18-09-00	04-04-13	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	60.14 38.33		
	1	V4 VALLEY	6.00 0.00	13-05-00	03-04-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	33.17 20.17		
	1	V5 VALLEY	6.00 0.00	08-01-00	02-00-08	2 X 4	2 X 4	00-00-00 00-00-00	00-00-04 00-00-04	19.20 12.33		
	11	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	184.69 117.37		
	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	J4 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4	2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	14.97 9.33		
	1	J5A JACK-OPEN	8.00 0.00	01-07-00	02-07-02	2 X 4	2 X 4	00-00-00 -00-01-01	01-07-02 00-03-08	5.38 4.00		
	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		
	4	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	69.24 42.68		
	3	J12A JACK-OPEN	8.00 0.00	05-07-08	04-10-05	2 X 4	2 X 4	00-00-00 00-00-00	01-01-05 00-05-03	45.30 27.99		
	1	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	11.71 7.33		
	1	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	14.44 9.33		
	1	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	7.14 4.67		
	1	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	9.88 6.67		
	7	J21 JACK-OPEN	4.00 0.00	05-04-00	02-01-04	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-01-04	99.05 65.31		
	1	G156 COMMON	8.00 0.00	19-01-00	07-03-10	2 X 4	2 X 4	01-03-08 01-03-08	00-11-05 00-11-05	80.58 52.83		

TOTAL # TRUSS= 85.00

TOTAL BFT OF ALL TRUSSES=

2384.69 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3745.55 LBS.



Delivery Shiplist

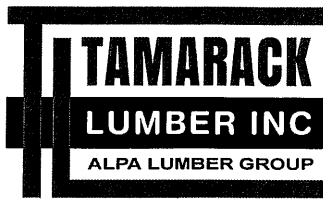
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246	LAYOUT ID: 293985	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 3A	ELEVATION: EL 1A TH51-2 BLOCK51	

HARDWARE

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

TOTAL # ITEMS= 7.00



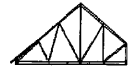
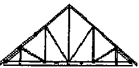
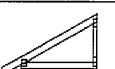
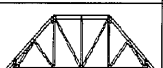
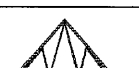
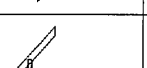
Delivery Shiplist

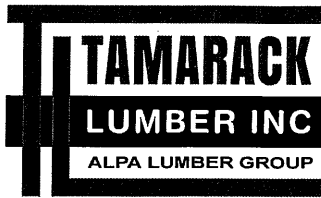
DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293989	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 3A	ELEVATION: EL 1 TH51-3 BLOCK 51	

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					
	6	T41 COMMON	6.00 0.00	39-08-00	11-01-00	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	1188.60 709.98		
	5	T41A COMMON	6.00 0.00	34-05-08	11-01-00	2 X 4	2 X 6	01-03-08 00-00-00	01-02-00 03-09-04	892.45 539.15		
	1 2 Ply	T42 COMMON	6.00 0.00	39-08-00	11-01-00	2 X 6	2 X 8	01-03-08 01-03-08	01-02-00 01-02-00	539.30 314.66		
	1 3 Ply	T43 HALF HIP	8.00 0.00	10-03-00	05-08-08	2 X 4	2 X 6	00-00-00 00-00-00	01-04-13 05-08-08	177.57 111.00		
	1	T32A COMMON	8.00 0.00	10-01-08	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-07-02	39.50 26.17		
	1	T32S ROOF	8.00 8.00	10-05-00	04-10-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	46.62 32.00		
	1	T32SA ROOF	8.00 8.00	10-01-08	04-10-08	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 01-07-02	41.66 28.67		
	14	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	223.02 149.38		
	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		
	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		
	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		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246 LAYOUT ID: 293989 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 3A ELEVATION: EL 1 TH51-3 BLOCK 51

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					
	7	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	120.61 75.81		

TOTAL # TRUSS= 61.00

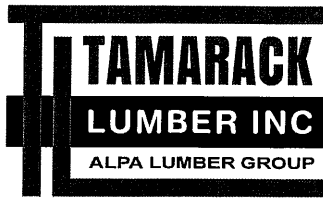
TOTAL BFT OF ALL TRUSSES=

2481.02 BFT. TOTAL WEIGHT OF ALL TRUSSES= 4048.03 LBS.

HARDWARE

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

TOTAL # ITEMS= 10.00



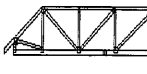
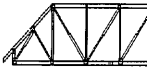
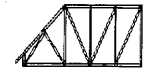
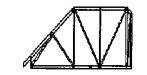
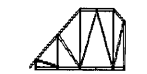
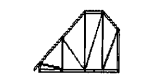
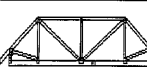
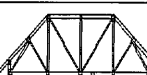
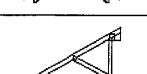
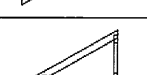
Delivery Shiplist

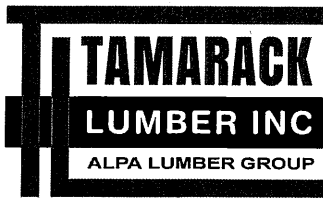
DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246	LAYOUT ID: 293991	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 8E	ELEVATION: EL 1 TH 51-4 BLOCK51	

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
	1 2 Ply	T51 HALF HIP	8.00 0.00	20-02-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-04	186.22 117.68		
	1	T52 HALF HIP	8.00 0.00	20-02-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	88.42 56.00		
	2	T53 HALF HIP	8.00 0.00	20-02-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-01-04	189.72 119.66		
	2	T54 HIP	8.00 0.00	20-02-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-05-02	203.40 130.00		
	2	T55 HIP	8.00 0.00	20-02-08	08-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-05-02	205.58 130.00		
	4	T56 HIP	8.00 0.00	20-02-08	09-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 06-05-02	406.08 256.68		
	1 2 Ply	T57 HIP GIRDER	8.00 0.00	20-02-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 01-07-02	181.14 112.00		
	1	T58 HIP	8.00 0.00	20-02-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 01-07-02	86.43 55.83		
	1	T59 HIP	8.00 0.00	20-02-08	06-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 01-07-02	87.93 57.00		
	1	T60 HIP	8.00 0.00	20-02-08	07-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 01-07-02	88.79 57.67		
	2	T61 COMMON	8.00 0.00	14-09-00	06-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	126.66 78.00		
	2	T62 COMMON	8.00 0.00	14-03-00	06-01-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	122.92 78.00		
	2	T62S ROOF	8.00 8.00	14-03-00	06-01-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	131.92 88.00		
	1	T63S ROOF	8.00 8.00	09-10-00	04-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	44.10 29.00		
	4	T64 MONOPITCH	4.00 0.00	08-06-00	03-01-15	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-10-10	110.96 70.68		
	14	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	223.02 149.38		
	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		
	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		



Delivery Shiplist

DATE	10/29/18
SALES REP	Mario

JOB TRACK: 45246 LAYOUT ID: 293991 LOCATION: EAST GWILLIMBURY
 BUILDER: GREENPARK / SECONDO VALES ESTA SUB-BUILDER:
 MODEL: HOLLAND 8E ELEVATION: EL 1 TH 51-4 BLOCK51

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	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	G61 COMMON	8.00 0.00	14-09-00	06-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	65.08 42.00		
	7	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	117.53 74.69		
	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		
	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		

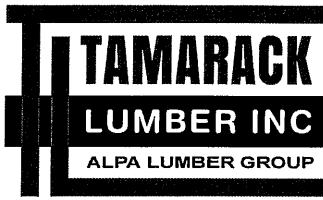
TOTAL # TRUSS= 83.00

TOTAL BFT OF ALL TRUSSES=

2362.12 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3705.69 LBS.

HARDWARE

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

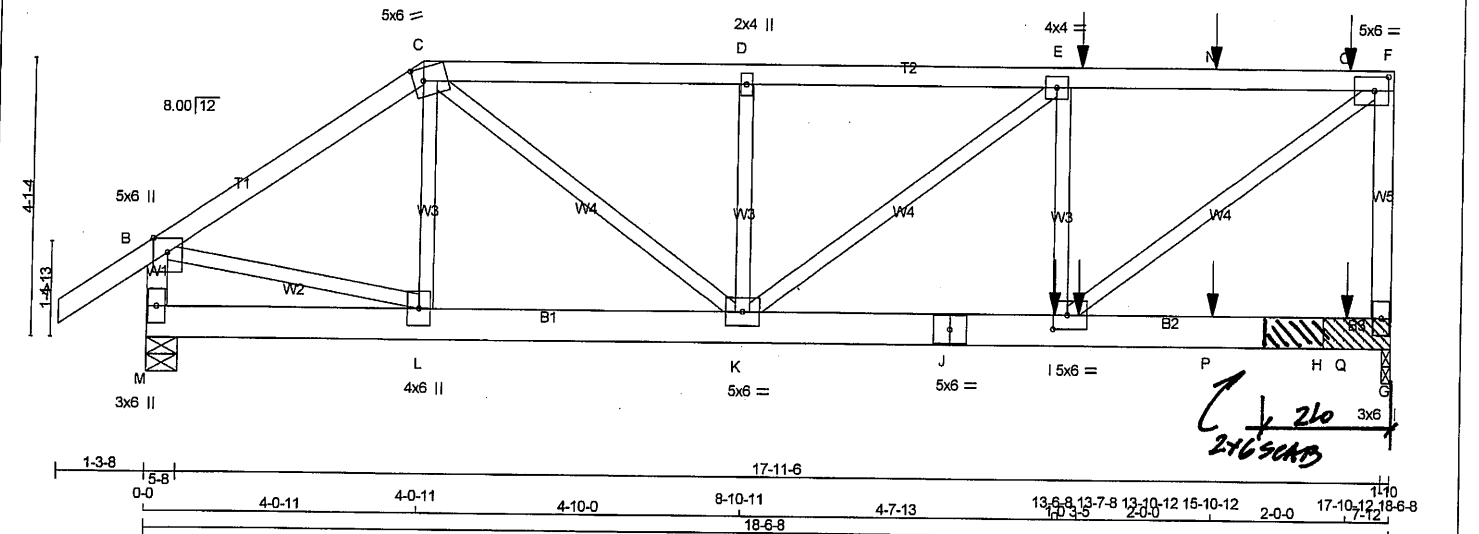
DATE	10/29/18
SALES REP	Mario

JOB TRACK:45246	LAYOUT ID: 293991	LOCATION: EAST GWILLIMBURY
BUILDER: GREENPARK / SECONDO VALES ESTA	SUB-BUILDER:	
MODEL: HOLLAND 8E	ELEVATION: EL 1 TH 51-4 BLOCK51	

HARDWARE

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

TOTAL # ITEMS= 9.00



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY				TOTAL WEIGHT = 2 X 89 = 178 lb					
N. L. G. A. RULES				BUILDING DESIGNER									
CHORDS				BEARINGS				DESIGN CRITERIA					
A - C	2x4	DRY	No.2	DESCR.	SPF	FACTORED	MAXIMUM FACTORED	INPUT	REQRD	SPECIFIED LOADS:			
C - F	2x4	DRY	No.2		SPF	GROSS REACTION	GROSS REACTION	BRG	BRG				
G - F	2x4	DRY	No.2		SPF	VERT	DOWN	HORZ	UPLIFT				
M - B	2x4	DRY	No.2		SPF	3124	0	3124	0				
M - J	2x6	DRY	No.2		SPF	2102	0	2102	0	1-10 & BLOCK			
J - G	2x6	DRY	No.2		SPF			5-8	5-8	TOTAL LOAD = 60.3 PSF			
ALL WEBS 2x3 DRY No.2				UNFACTORED REACTIONS				SPACING = 24.0 IN. C/C					
EXCEPT				1ST LCASE				LOADING IN FLAT SECTION BASED ON A					
DRY: SEASONED LUMBER.				COMBINED				SLOPE OF 6.00/12					
DESIGN CONSISTS OF 2 TRUSSES BUILT				SNOW				THIS TRUSS IS DESIGNED FOR RESIDENTIAL					
SEPARATELY THEN FASTENED TOGETHER AS				LIVE				OR SMALL BUILDING REQUIREMENTS OF					
FOLLOWS:				PERM. LIVE				PART 9, NBCC 2010					
CHORDS #ROWS SURFACE				WIND				THIS DESIGN COMPLIES WITH:					
LOAD (PLF)				DEAD				- PART 9 OF OBC 2012, BCBC 2012, ABC 2014					
TOP CHORDS : (0.122"x3") SPIRAL NAILS				SOIL				- CSA 086-09					
A - C	1	12	TOP	TOTAL LOAD CASES: (4)				- TPIC 2011					
C - F	1	12	SIDE(61.0)					(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F.					
F - G	1	12	TOP					RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED					
M - B	1	12	TOP					ROOF LIVE LOAD					
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS				CHORDS				ALLOWABLE DEFL. (LL)= L/360 (0.62")					
M - J	2	12	TOP	MAX. FACTORED				CALCULATED VERT. DEFL. (LL) = L/999 (0.06")					
J - G	2	12	SIDE(183.1)	FORCE				ALLOWABLE DEFL. (TL)= L/360 (0.62")					
WEBS : (0.122"x3") SPIRAL NAILS				VERT. LOAD LC1				CALCULATED VERT. DEFL. (TL) = L/999 (0.09")					
I - E	1	6	SIDE(253.7)	MAX				CSI: TC=0.39/1.00 (E-F-1), BC=0.26/1.00 (I-K-1),					
2x3	1	6		CSF (LC)				WB=0.52/1.00 (F-1-1), SSI=0.21/1.00 (E-F-1)					
NAILS TO BE DRIVEN FROM ONE SIDE ONLY.				MEMB. FORCE				DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00					
GIRDER NAILING ASSUMES NAILED HANGERS ARE				MAX				COMP=1.00 SHEAR=1.00 TENS=1.00					
FASTENED WITH MIN. 3-0 INCH NAILS.				FR-TO				COMPANION LIVE LOAD FACTOR = 0.50					
TOP - COMPONENTS ARE LOADED FROM THE TOP AND				FROM TO				AUTOSOLVE RIGHT HEEL ONLY					
MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR				LC1				TRUSS PLATE MANUFACTURER IS NOT					
THE LOAD TO BE TRANSFERRED TO EACH PLY.				MAX				RESPONSIBLE FOR QUALITY CONTROL IN					
SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED				CSF (LC)				THE TRUSS MANUFACTURING PLANT.					
TO ONE SIDE THAT THE CORRESPONDING NAILING				MAX UNBRAC				NAIL VALUES					
PATTERN SHALL BE CAPABLE OF TRANSFERING.				LENGTH FR-TO				PLATE GRIP(DRY) SHEAR SECTION					
REMAINING PLF MUST BE APPLIED ON THE OPPOSITE				MEMB. FORCE				(PSI) (PLI) (PLI)					
SIDE OR ON THE TOP.				MAX				MAX MIN MAX MIN MAX MIN					
PLATES (table is in inches)				MEMB. FORCE				WT20 618 354 1667 822 2284 1656					
JT TYPE	PLATES	W	LEN Y X	MAX				PLATE PLACEMENT TOL. = 0.250 inches					
B TMVW+p	MT20	5.0	6.0 Edge	CSF (LC)				PLATE ROTATION TOL. = 5.0 Deg.					
C TTVW+m	MT20	5.0	6.0 2.25 1.75	MAX				JSI GRIP= 0.90 (C) (INPUT = 0.90)					
D TMVW+w	MT20	2.0	4.0	CSF (LC)				JSI METAL= 0.42 (F) (INPUT = 1.00)					
E TMVW+t	MT20	4.0	4.0	MAX				DWG NO. TAM 17812200					
F TMVW-t	MT20	5.0	6.0 2.50 2.50	CSF (LC)				STRUCTURAL					
G BMV1+p	MT20	3.0	6.0	MAX				COMPONENT ONLY					
I BMVW-t	MT20	5.0	8.0 2.50 2.50	CSF (LC)				1/2					
J BS-t	MT20	5.0	8.0	MAX				CONTINUED ON PAGE 2					
K BMVW+t	MT20	5.0	8.0	CSF (LC)									
L BMVW-t	MT20	4.0	6.0	MAX									
M BMV1+p	MT20	3.0	6.0	CSF (LC)									
Edge - INDICATES REFERENCE CORNER OF PLATE				MAX									
TOUCHES EDGE OF CHORD.				CSF (LC)									
HANGERS NOTES				MAX									
1)				CSF (LC)									

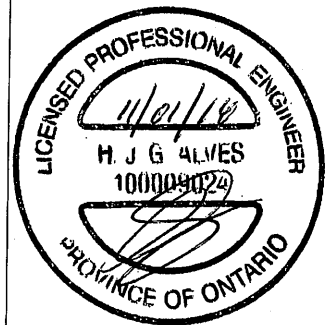
JOB NAME 290538	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. 45246 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:00 2018 Page 2
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HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 13-10-12, AND 149.7 lbs FACTORED DOWN AT 15-10-12, AND 171.7 lbs FACTORED DOWN AT 17-10-12 ON TOP CHORD, AND 1634.3 lbs FACTORED DOWN AT 13-6-8, 69.9 lbs FACTORED DOWN AT 13-10-12, AND 69.9 lbs FACTORED DOWN AT 15-10-12, AND 78.6 lbs FACTORED DOWN AT 17-10-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

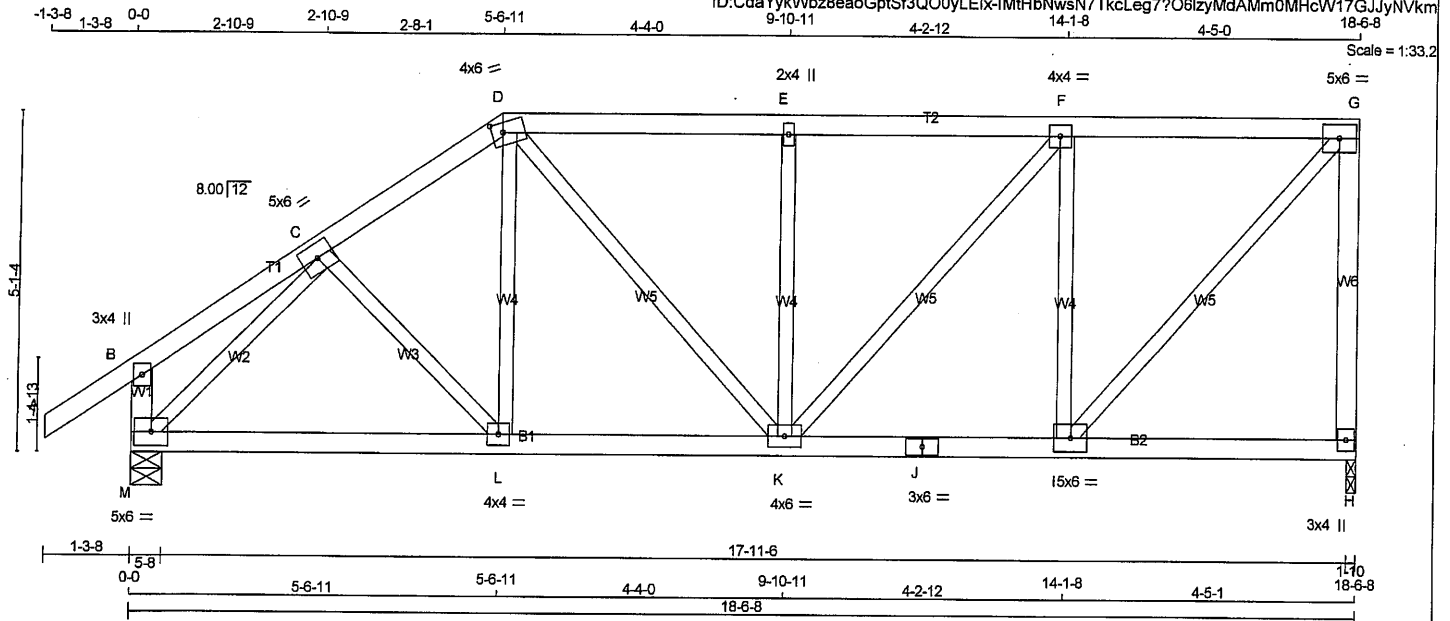


DWG NO. TAM **71812200**
STRUCTURAL
COMPONENT ONLY **3/2**

JOB NAME 290538	TRUSS NAME T2	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:01 2018 Page 1
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TOTAL WEIGHT = 84 lb

LUMBER

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

ALL WEBS 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	TTWW-m	MT20	4.0	6.0	1.75	2.00
E	TMV+w	MT20	2.0	4.0		
F	TMVW-t	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	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		
M	BMVW-t	MT20	5.0	6.0		

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
H	1413	0	1413	0	0	1-10	1-10
M	1583	0	1583	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
H	1118	645/0	195/0	0/0	278/0	0/0
M	1235	741/0	195/0	0/0	300/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.07 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.	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 (LC)	MEMB.	FACTORED FORCE (LBS)	MAX UNBRACED LENGTH (FR-TO)	MAX LC1 (LC)
FR-TO				FR-TO			
A-B	0/47	-124.4	-124.4 0.17 (1)	C-L	0/103	0.03 (3)	10.00
B-C	0/19	-124.4	-124.4 0.13 (1)	L-D	0/227	0.05 (3)	10.00
C-D	-1416/0	-124.4	-124.4 0.15 (1)	M-C	-1665/0	0.44 (1)	5.32
D-E	-1402/0	-124.4	-124.4 0.33 (1)	I-G	0/1546	0.35 (1)	5.10
E-F	-1402/0	-124.4	-124.4 0.35 (1)	D-K	0/356	0.08 (1)	5.07
F-G	-1046/0	-124.4	-124.4 0.33 (1)	L-F	-998/0	0.38 (1)	5.69
H-G	-1362/0	0.0	0.0 0.60 (1)	K-E	-574/0	0.22 (1)	6.96
M-B	-309/0	0.0	0.0 0.03 (1)	K-F	0/540	0.12 (1)	7.81
M-L	0/1144	-28.0	-28.0 0.31 (2)				10.00
L-K	0/1163	-28.0	-28.0 0.32 (2)				10.00
K-J	0/1046	-28.0	-28.0 0.25 (2)				10.00
J-I	0/1046	-28.0	-28.0 0.25 (2)				10.00
I-H	0/0	-28.0	-28.0 0.15 (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) = $L/360$ (0.62")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.62")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.08")

CSI: TC=0.60/1.00 (G-H-1), BC=0.32/1.00 (K-L-2),
WB=0.44/1.00 (C-M-1), SSI=0.25/1.00 (F-G-1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

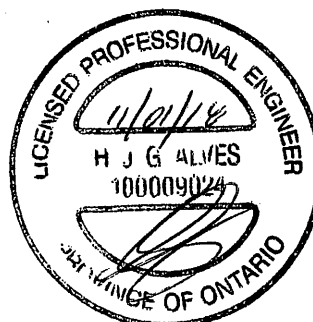
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (D) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)



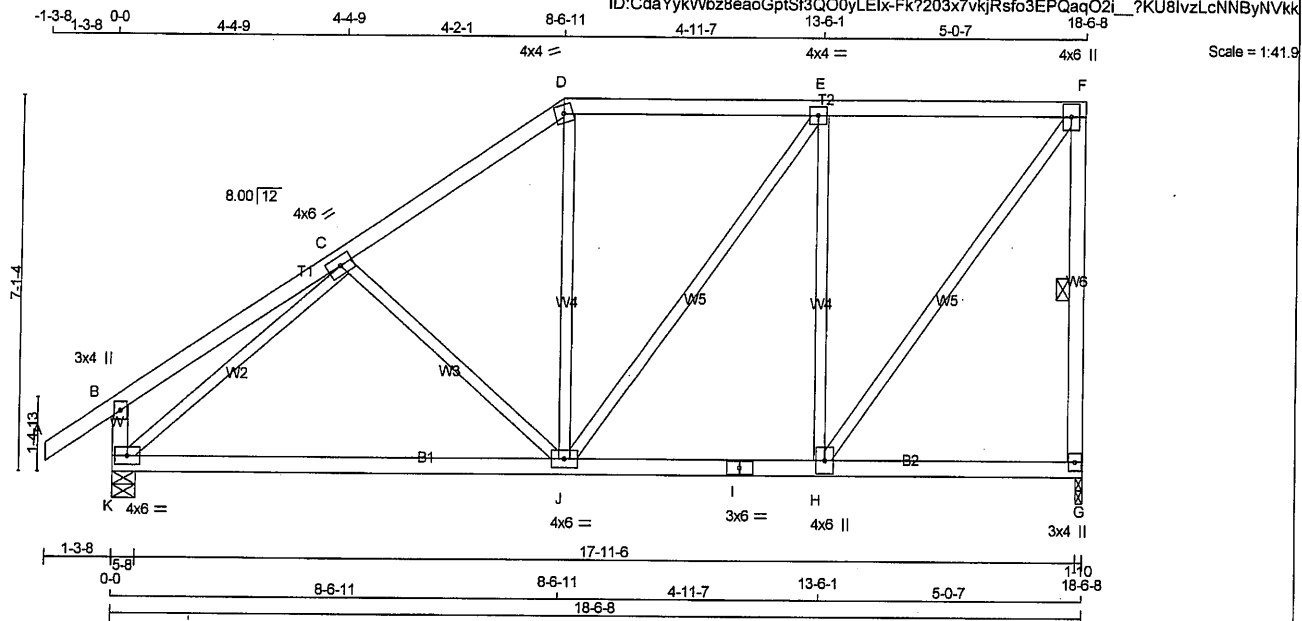
DWG NO. TAM **T1812201**
STRUCTURAL
COMPONENT ONLY



JOB NAME 290538	TRUSS NAME T4	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 87 lb

LUMBER

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

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	TTW-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	BMVWV-t	MT20	4.0	6.0		
K	BMVW1-t	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
G	1413	0	1413	0
K	1583	0	1583	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
G	1118	645 / 0	195 / 0	0 / 0	278 / 0
K	1235	741 / 0	195 / 0	0 / 0	300 / 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 = 5.28 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				
MAX. FACTORED		FACTORED			MAX. FACTORED				
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)		CSI (LC)	UNBRACED		(LBS)	CSI (LC)	
FR-TO		FROM	TO		LENGTH	FR-TO			
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	C-J	-305 / 12	0.18 (1)	
B-C	0 / 34	-124.4	-124.4	0.37 (1)	10.00	J-D	0 / 270	0.06 (3)	
C-D	-1212 / 0	-124.4	-124.4	0.40 (1)	5.28	J-E	0 / 279	0.06 (1)	
D-E	-982 / 0	-124.4	-124.4	0.55 (1)	5.41	H-E	-995 / 0	0.87 (1)	
E-F	-820 / 0	-124.4	-124.4	0.54 (1)	5.80	H-F	0 / 1380	0.31 (1)	
G-F	-1349 / 0	0.0	0.0	0.31 (1)	5.58	K-C	-1638 / 0	0.92 (1)	
K-B	-374 / 0	0.0	0.0	0.04 (1)	7.81				
K-J	0 / 1206	-28.0	-28.0	0.57 (3)	10.00				
J-I	0 / 820	-28.0	-28.0	0.56 (3)	10.00				
I-H	0 / 820	-28.0	-28.0	0.56 (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, 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) = $L/360$ (0.62")
CALCULATED VERT. DEFL.(LL) = $L/997$ (0.22")
ALLOWABLE DEFL.(TL) = $L/360$ (0.62")
CALCULATED VERT. DEFL.(TL) = $L/596$ (0.37")

CSI: TC=0.55/1.00 (D-E-1), BC=0.57/1.00 (J-K-3), VB=0.92/1.00 (C-K-1), SSI=0.30/1.00 (E-F-1)

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

COMPANION LIVE LOAD FACTOR = 0.50

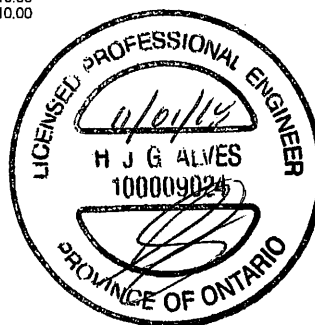
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) 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 (K) (INPUT = 0.90)
JSI METAL= 0.39 (C) (INPUT = 1.00)

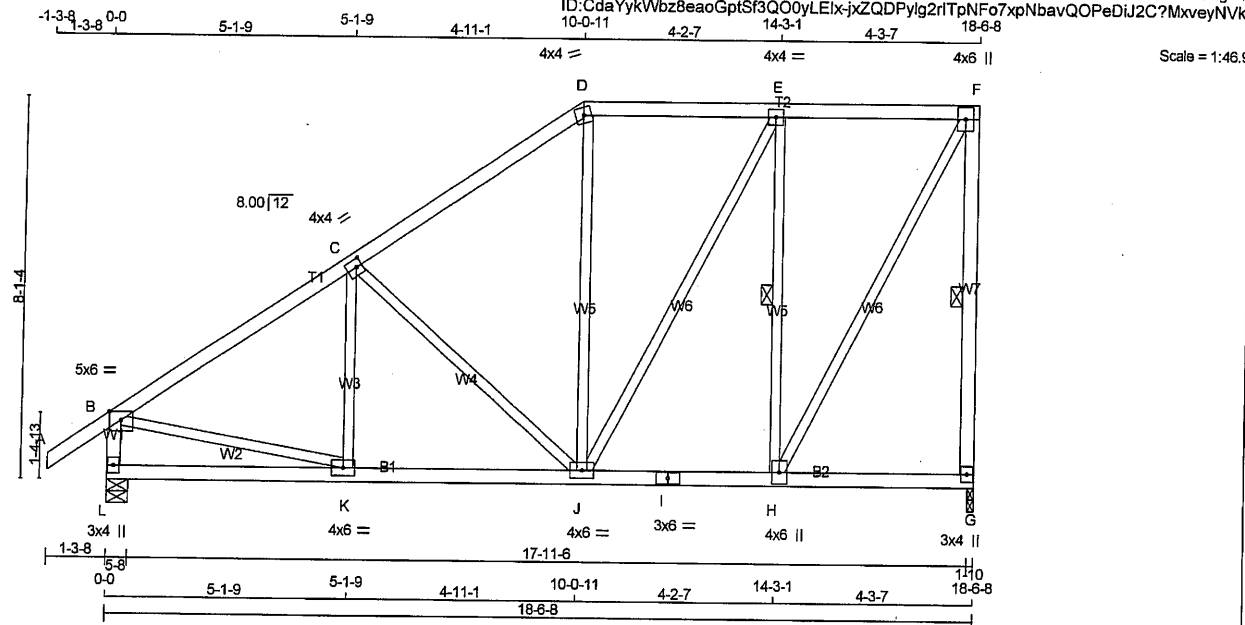


DRWG NO. TAM 11412203
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T5	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:46.9

LUMBER

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

ALL WEBS 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	1.50
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	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	BMVW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQRD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
G	1413	0	1413	0	0	1-10			
L	1583	0	1583	0	0	5-8			

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1118	645/0	195/0	0/0	0/0	278/0	0/0
L	1235	741/0	195/0	0/0	0/0	300/0	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.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/47	-124.4 -124.4	0.17 (1)	K-C	-105 / 167	0.04 (3)	
B-C	-1478/0	-124.4 -124.4	0.44 (1)	C-J	-579/0	0.49 (1)	
C-D	-1045/0	-124.4 -124.4	0.42 (1)	J-D	0/191	0.05 (3)	
D-E	-834/0	-124.4 -124.4	0.28 (1)	J-E	0/428	0.10 (1)	
E-F	-635/0	-124.4 -124.4	0.28 (1)	H-E	-1028/0	0.43 (1)	
G-F	-1363/0	0.0 0.0	0.40 (1)	H-F	0/1321	0.30 (1)	
L-B	-1524/0	0.0 0.0	0.16 (1)	B-K	0/1291	0.29 (1)	
L-K	0/0	-28.0 -28.0	0.20 (3)				
K-J	0/1264	-28.0 -28.0	0.31 (2)				
J-I	0/635	-28.0 -28.0	0.18 (2)				
I-H	0/635	-28.0 -28.0	0.18 (2)				
H-G	0/0	-28.0 -28.0	0.13 (3)				

TOTAL WEIGHT = 95 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

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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
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), VB=0.49/1.00 (C-J: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

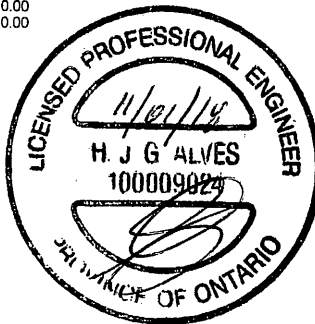
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

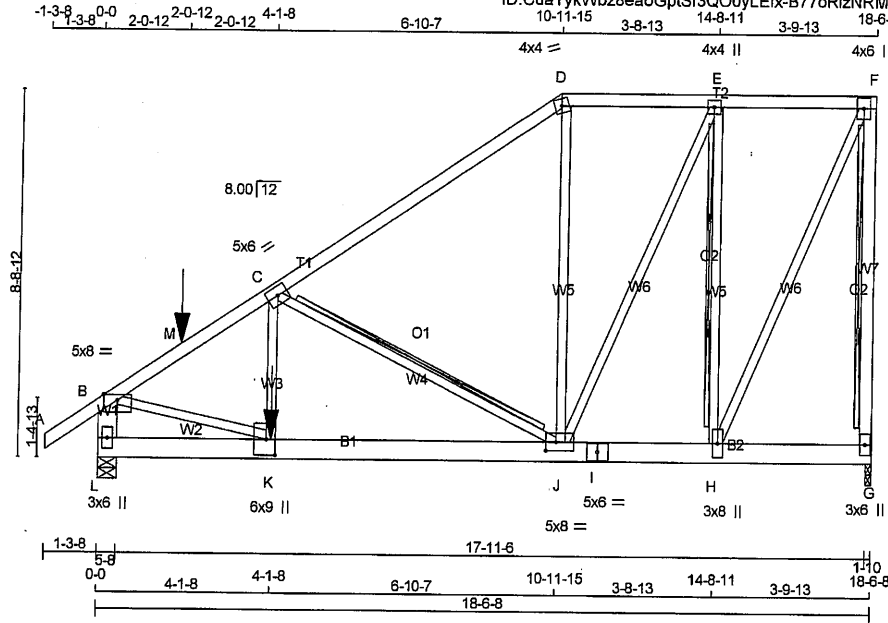
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.32 (K) (INPUT = 1.00)



DWG NO. TAM 715/2204
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T6	QUANTITY 1	PLY 2	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					



Version 8.210 S May 18 2018 Mitek Industries, Inc. Thu Nov 1 17:49:05 2018 Page 1
ID:CdaYykWbz8eaoGptSf3Q00yLElx-B77oRizNRmZ95yySMqS2vp70fknMy6IBRf5US4yNVk

Scale = 1:52.6

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
G - F	2x4	DRY	No.2	SPF	
L - B	2x6	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-D 1 12		SIDE(0.0)
D-F 1 12		TOP
F-G 1 12		TOP
L-B 2 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-I 2 12		SIDE(117.8)
I-G 2 12		TOP
WEBS : (0.122"x3") SPIRAL NAILS		
C-K 1 2		SIDE(711.3)
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TMVW-t	MT20	5.0	8.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-p	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	6.0		
H	BMVW+t	MT20	3.0	8.0		
I	BS-t	MT20	5.0	6.0		
J	BMVW+t	MT20	5.0	8.0	2.50	3.00
K	BMVW+t	MT20	6.0	9.0	4.50	2.50
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 BRG
	VERT	HORZ	DOWN	HORZ		
G	2233	0	2233	0	1-10	1-10
L	5122	0	5122	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
G	1759	1027 / 0	297 / 0	0 / 0	0 / 0	434 / 0	0 / 0
L	4015	2377 / 0	654 / 0	0 / 0	0 / 0	983 / 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 = 3.43 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

2x4 DRY SPF No.2 T-BRACE AT F-G, E-H
2x6 DRY SPF No.2 T-BRACE AT C-J

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				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 / 47	-124.4 -124.4	0.09 (1)	10.00	K-C	0 / 2509	0.31 (1)
B-M	-5364 / 0	-124.4 -124.4	0.06 (1)	3.43	C-J	-3461 / 0	0.70 (1)
M-C	-5364 / 0	-124.4 -124.4	0.06 (1)	3.43	J-D	0 / 474	0.06 (1)
C-D	-1840 / 0	-124.4 -124.4	0.57 (1)	5.59	E-E	0 / 1458	0.18 (1)
D-E	-1492 / 0	-124.4 -124.4	0.15 (1)	6.25	H-E	1903 / 2194	0.23 (1)
E-F	-912 / 0	-124.4 -124.4	0.15 (1)	6.25	H-F	0 / 4665	0.56 (1)
G-F	-2183 / 0	0.0 0.0	0.84 (1)	7.81	K-K	0 / 4665	0.56 (1)
L-B	-4618 / 0	0.0 0.0	0.17 (1)	6.71			
L-K	0 / 0	-243.9 -243.9	0.19 (1)	10.00			
K-J	0 / 4535	-28.0 -28.0	0.35 (1)	10.00			
J-I	0 / 912	-28.0 -28.0	0.09 (2)	10.00			
I-H	0 / 912	-28.0 -28.0	0.09 (2)	10.00			
H-G	0 / 0	-28.0 -28.0	0.03 (3)	10.00			

LICENSED

4/01/19

H J G ALVES

100009024

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
K	4-1-8	-2344	-2344	---	FRONT	VERT
M	2-0-12	-372	-372	---	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

GIRDER TYPE: CSIdGirder

START DISTANCE = 0-0
START SPAN CARRIED = 7-8-0
END DISTANCE = 4-1-8
END SPAN CARRIED = 7-8-0
END WALL WIDTH = 0-0
APPLIED TO FRONT SIDE OF BOTTOM CHORD.
- ADDTL LOADS BASED ON 55 % OF GSL.

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

THIS DESIGN COMPLIES WITH:

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

(55 % OF 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.66/1.00 (B-C:1), BC=0.35/1.00 (J-K:1),
WB=0.70/1.00 (C-J:1), SSI=0.23/1.00 (B-C:1)

DOL LUMP=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 (C) (INPUT = 0.90)

JSI METAL= 0.49 (K) (INPUT = 1.00)

DWG NO. TAM 710/2205
STRUCTURAL
COMPONENT ONLY

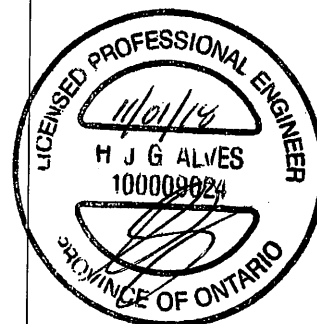
JOB NAME 290538	TRUSS NAME T6	QUANTITY 1	PLY 2	JOB DESC. 45246 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:05 2018 Page 2
ID:CdaYykWbz8eaoGptSf3QO0yLElx-B77oRizNRMz95yySMqS2vp70fnkMy6IBRf5US4yNVki

HANGERS NOTES

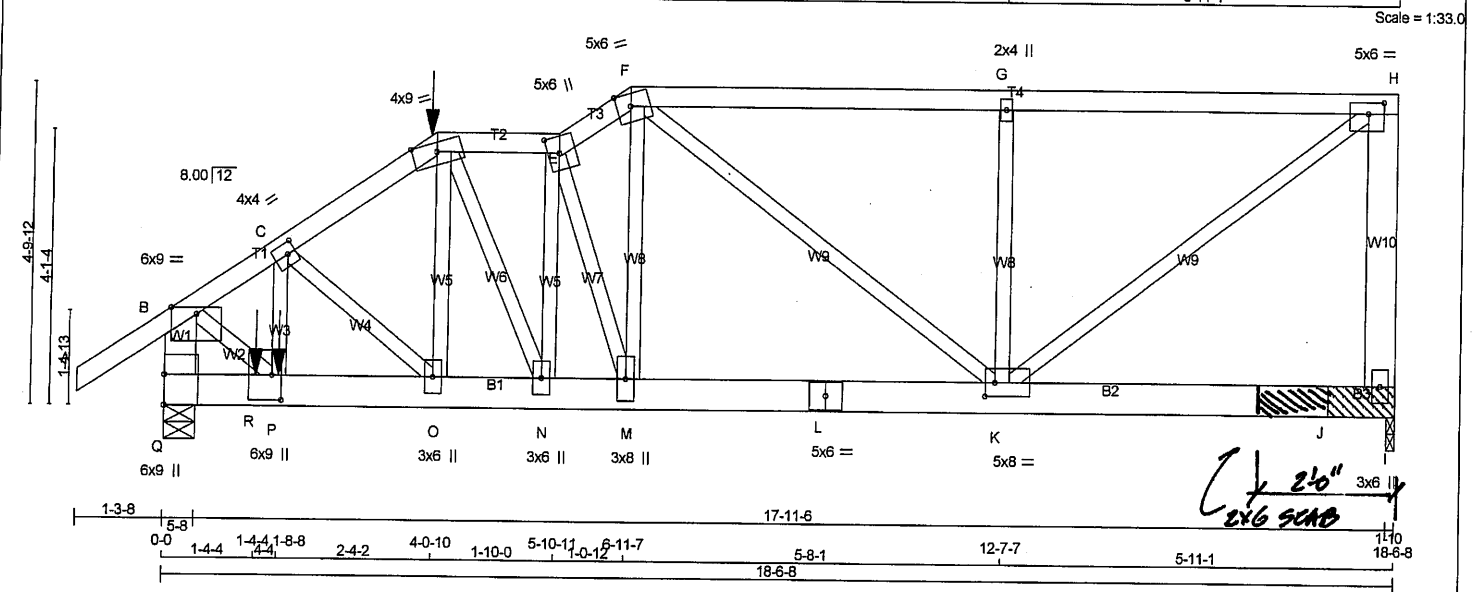
- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 453.4 lbs FACTORED DOWN AT 2-0-12 ON TOP CHORD, AND 3014.8 lbs FACTORED DOWN AT 4-1-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM **T1812205**
STRUCTURAL
COMPONENT ONLY **2/2**

JOB NAME 290538	TRUSS NAME T7	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:06 2018 Page 1
 ID:CdaYkWBz8eaoGptSf3QO0yLElx-fJhAe5_?Cf50j6XewY_HS0g7TB0khXelJr1_WynVkh
 Scale = 1:33.0



TOTAL WEIGHT = 102 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
I - H	2x6	DRY	No.2
Q - B	2x6	DRY	No.2
Q - L	2x6	DRY	No.2
L - I	2x6	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2
SPF			
DRY: SEASONED LUMBER.			

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	HORZ
UPLIFT	IN-SX	IN-SX	IN-SX
JT	1718	0	1-10 & BLOCK
Q	4134	0	5-8

UNFACTORED REACTIONS			
1ST LCASE	MAX/MIN	COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE
I	1349	794 / 0	223 / 0
Q	3201	1954 / 0	476 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) I, Q
 2x6 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. I ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"x3") SPIRAL NAILS SPACED 3" C.C. 24" NAILS TOTAL.

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.38 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.

LOADING
 TOTAL LOAD CASES: (4)

CHORDS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO (LC)
A-B	0 / 47	-124.4	-124.4 0.18 (1)
B-C	-3475 / 0	-124.4	-124.4 0.33 (1)
C-D	-2881 / 0	-124.4	-124.4 0.25 (1)
D-E	-2522 / 0	-124.4	-124.4 0.16 (1)
E-F	-2599 / 0	-124.4	-124.4 0.11 (1)
F-G	-1812 / 0	-124.4	-124.4 0.90 (1)
G-H	-1812 / 0	-124.4	-124.4 0.91 (1)
I-H	-1642 / 0	0.0	0.0 0.37 (1)
Q-B	-3924 / 0	0.0	0.0 0.28 (1)
Q-R	0 / 0	-28.0	-28.0 0.22 (1)
R-P	0 / 0	-28.0	-28.0 0.22 (1)
P-O	0 / 2856	-28.0	-28.0 0.59 (1)
O-N	0 / 2414	-28.0	-28.0 0.41 (1)
N-M	0 / 2534	-28.0	-28.0 0.43 (1)
M-L	0 / 2196	-28.0	-28.0 0.34 (1)
L-K	0 / 2196	-28.0	-28.0 0.34 (1)
K-J	0 / 0	-28.0	-28.0 0.13 (3)
J-I	0 / 0	-28.0	-28.0 0.13 (3)

SPECIFIED CONCENTRATED LOADS (LBS)			
JT	LOC.	LC1	MAX.
D	4-0-11	-50	-50
D	4-0-11	-216	-216
P	1-8-8	-1881	-1881
R	1-4-4	-50	-50

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 ALL FLAT SECTIONS 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, NBC 2010

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 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

ALLOWABLE DEFL. (LL) = L/360 (0.62")
 CALCULATED VERT. DEFL. (LL) = L/999 (0.07")
 ALLOWABLE DEFL. (TL) = L/360 (0.62")
 CALCULATED VERT. DEFL. (TL) = L/999 (0.12")

CSI: TC=0.91/1.00 (G-H:1), BC=0.59/1.00 (O-P:1), VB=0.82/1.00 (B-P:1), SSI=0.39/1.00 (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.

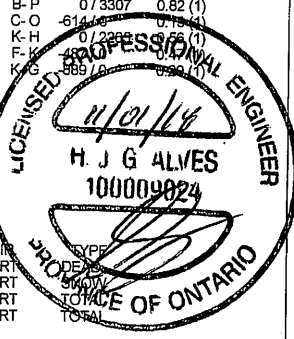
NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN
 MT20 618 354 1667 822 2264 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

DWG NO. TAM 11812206
 STRUCTURAL
 COMPONENT ONLY 1/2

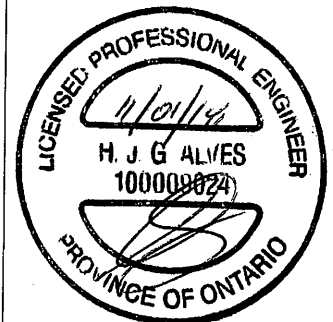


JOB NAME 290538	TRUSS NAME T7	QUANTITY 1	PLY 1	JOB DESC. 45246 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:06 2018 Page 2
ID:CdaYyKWbz8eaoGptSF3QO0yLElx-fJhAe5 ?Cf50j6XewY HS0g7TB0khXeLfJr1 WyNVkh

JSI GRIP= 0.90 (K) (INPUT = 0.90)
JSI METAL= 0.62 (P) (INPUT = 1.00)

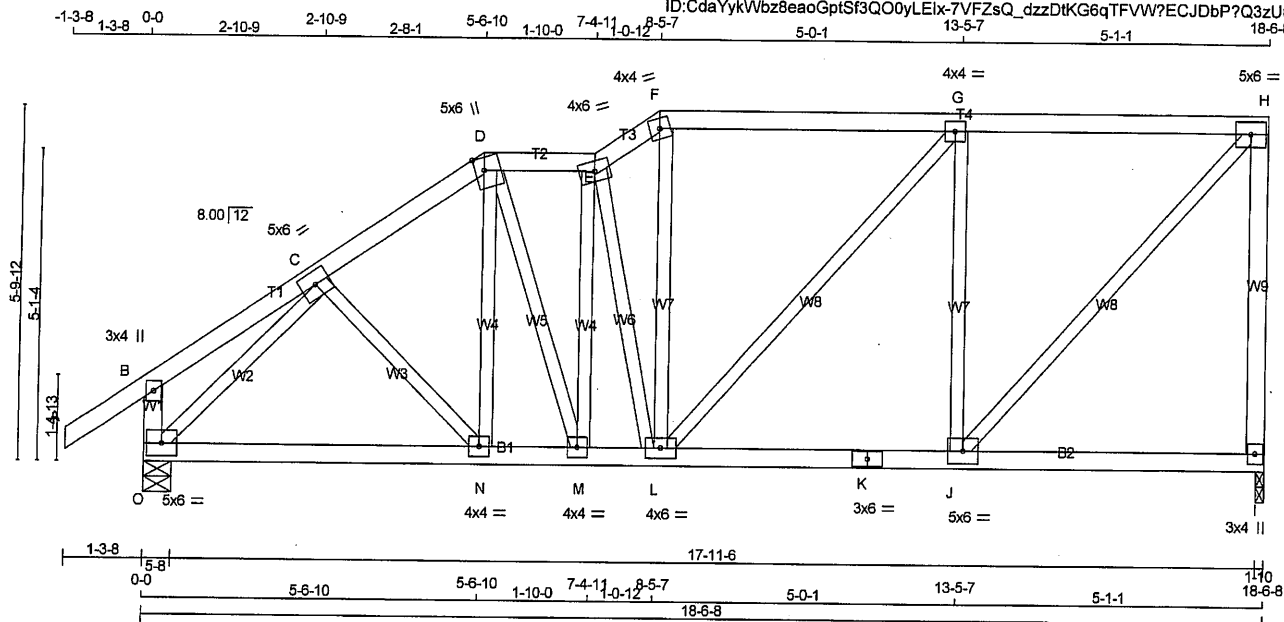


DWG NO. TAM **T7B12206**
STRUCTURAL
COMPONENT ONLY **2/2**

JOB NAME 290538	TRUSS NAME T8	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 Mitek Industries, Inc. Thu Nov 1 17:49:07 2018 Page 1
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LUMBER

N L G A RULES

CHORDS SIZE

A - D 2x4 DRY

D - E 2x4 DRY

E - F 2x4 DRY

F - H 2x4 DRY

I - H 2x4 DRY

O - B 2x4 DRY

O - K 2x4 DRY

K - I 2x4 DRY

ALL WEBS 2x3 DRY

EXCEPT

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

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
I	1413	0	1413	0
O	1583	0	1583	0

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
I	1118	645/0	195/0	0/0	0/0	278/0	0/0	
O	1235	741/0	195/0	0/0	0/0	300/0	0/0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX (CSI (LC))	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX (CSI (LC))
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0/147	-124.4	-124.4 0.17 (1)	C-N	0/103	0.03 (3)	
B-C	0/19	-124.4	-124.4 0.13 (1)	D-M	0/260	0.06 (3)	
C-D	-1418/0	-124.4	-124.4 0.15 (1)	E-L	0/374	0.08 (1)	
D-E	-1291/0	-124.4	-124.4 0.09 (1)	F-M	-443/0	0.17 (1)	
E-F	-1412/0	-124.4	-124.4 0.04 (1)	G-N	-536/0	0.22 (1)	
F-G	-1183/0	-124.4	-124.4 0.57 (1)	H-L	0/478	0.11 (1)	
G-H	-1026/0	-124.4	-124.4 0.58 (1)	I-G	0/238	0.05 (1)	
H-I	-1355/0	0.0	0.0 0.85 (1)	J-G	-952/0	0.49 (1)	
O-B	-309/0	0.0	0.0 0.03 (1)	J-H	0/1514	0.34 (1)	
				O-C	-1666/0	0.44 (1)	
O-N	0/1145	-28.0	-28.0 0.32 (2)				
N-M	0/1165	-28.0	-28.0 0.34 (2)				
M-L	0/1301	-28.0	-28.0 0.28 (1)				
L-K	0/1026	-28.0	-28.0 0.29 (2)				
K-J	0/1026	-28.0	-28.0 0.29 (2)				
J-I	0/0	-28.0	-28.0 0.20 (3)				

PLATES (table 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	TTWW+m	MT20	5.0	6.0		
E	TTWW-m	MT20	4.0	6.0		
F	TTW-m	MT20	4.0	4.0		
G	TMVW-t	MT20	4.0	4.0		
H	TMVW-t	MT20	5.0	6.0		
I	BMV1+p	MT20	3.0	4.0		
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		
N	BMVW-t	MT20	4.0	4.0		
O	BMVW1-t	MT20	5.0	6.0		

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

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 ALL FLAT SECTIONS 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 (0.62")
CALCULATED VERT. DEFL.(LL)= L/999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.62")
CALCULATED VERT. DEFL.(TL)= L/999 (0.08")

CSI: TC=0.85/1.00 (H-I:1), BC=0.34/1.00 (M-N:2),
WB=0.49/1.00 (G-J:1), SSI=0.31/1.00 (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.

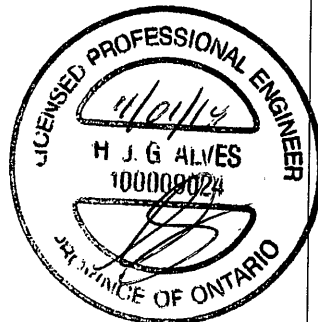
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

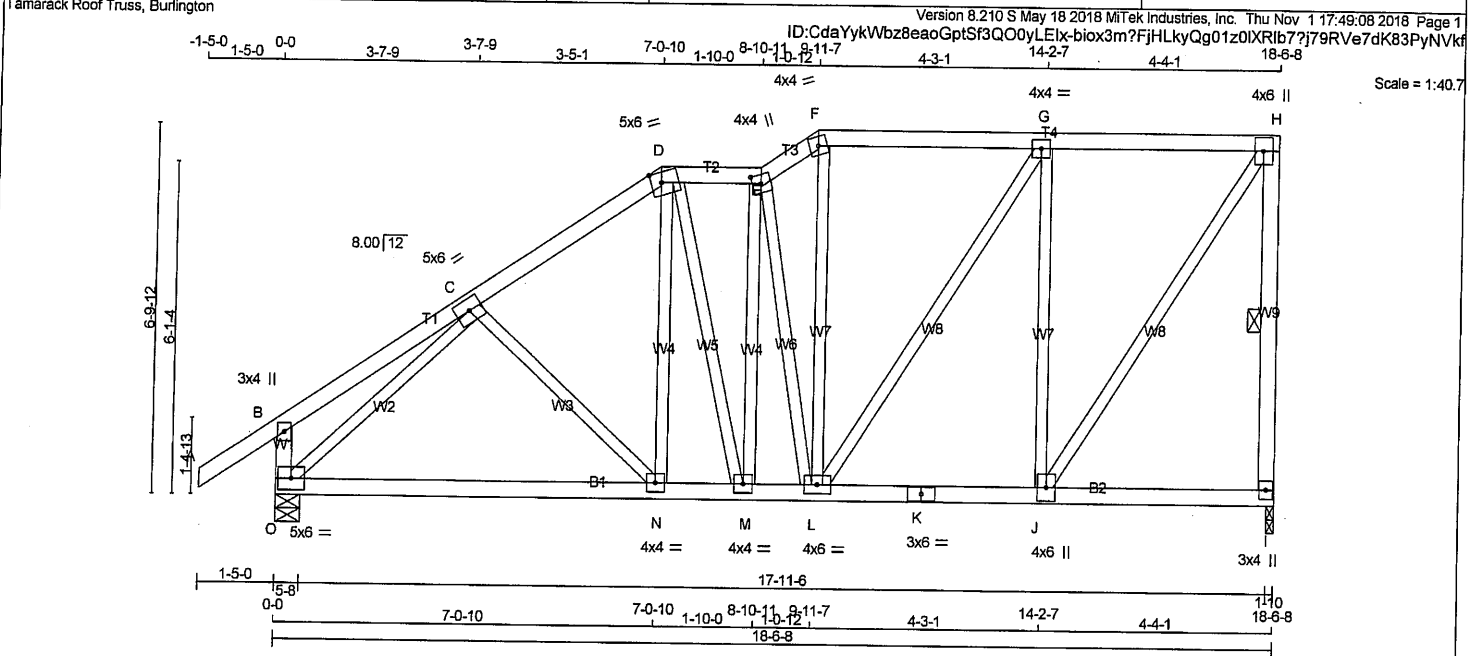
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (J) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)

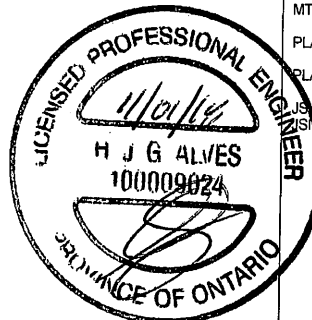


DWG NO. TAM 11812207
STRUCTURAL
COMPONENT ONLY 1/2

JOB NAME 290538	TRUSS NAME T9	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N. L. G. A. RULES				BEARINGS				SPECIFIED LOADS:			
CHORDS	SIZE	LUMBER	DESCR.	FACTORED				TOP CH. LL = 34.8 PSF			
A - D	2x4	DRY	No.2	GROSS REACTION				DL = 8.0 PSF			
D - E	2x4	DRY	No.2	JT	VERT	HORZ	DOWN	BOT CH. LL = 10.5 PSF			
E - F	2x4	DRY	No.2	I	1413	0	1413	DL = 7.0 PSF			
F - H	2x4	DRY	No.2	O	1599	0	1599	TOTAL LOAD = 60.3 PSF			
I - H	2x4	DRY	No.2	UNFACTORED REACTIONS				SPACING = 24.0 IN. C/C			
O - B	2x4	DRY	No.2	1ST LCASE				LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12			
O - K	2x4	DRY	No.2	MAX/MIN. COMPONENT REACTIONS				THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010			
K - I	2x4	DRY	No.2	JT	COMBINED	SNOW	LIVE	THIS DESIGN COMPLIES WITH:			
ALL WEBS	2x3	DRY	No.2	I	1118	645 / 0	195 / 0	- PART 9 OF OBC 2012, BCBC 2012, ABC 2014			
EXCEPT				O	1246	749 / 0	195 / 0	- CSA 086-09			
DRY: SEASONED LUMBER.				PERM. LIVE				- TPIC 2011			
				WIND				(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			
				DEAD				ALLOWABLE DEFL. (LL) = L/360 (0.62")			
				SOIL				CALCULATED VERT. DEFL. (LL) = L/999 (0.10")			
								ALLOWABLE DEFL. (TL) = L/360 (0.62")			
								CALCULATED VERT. DEFL. (TL) = L/999 (0.18")			
								CSI: TC=0.39/1.00 (F-G-1), BC=0.47/1.00 (M-N-3), WB=0.80/1.00 (G-J-1), SSI=0.26/1.00 (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.			
								JS GRIP= 0.82 (E) (INPUT = 0.90)			
								JS METAL= 0.40 (C) (INPUT = 1.00)			



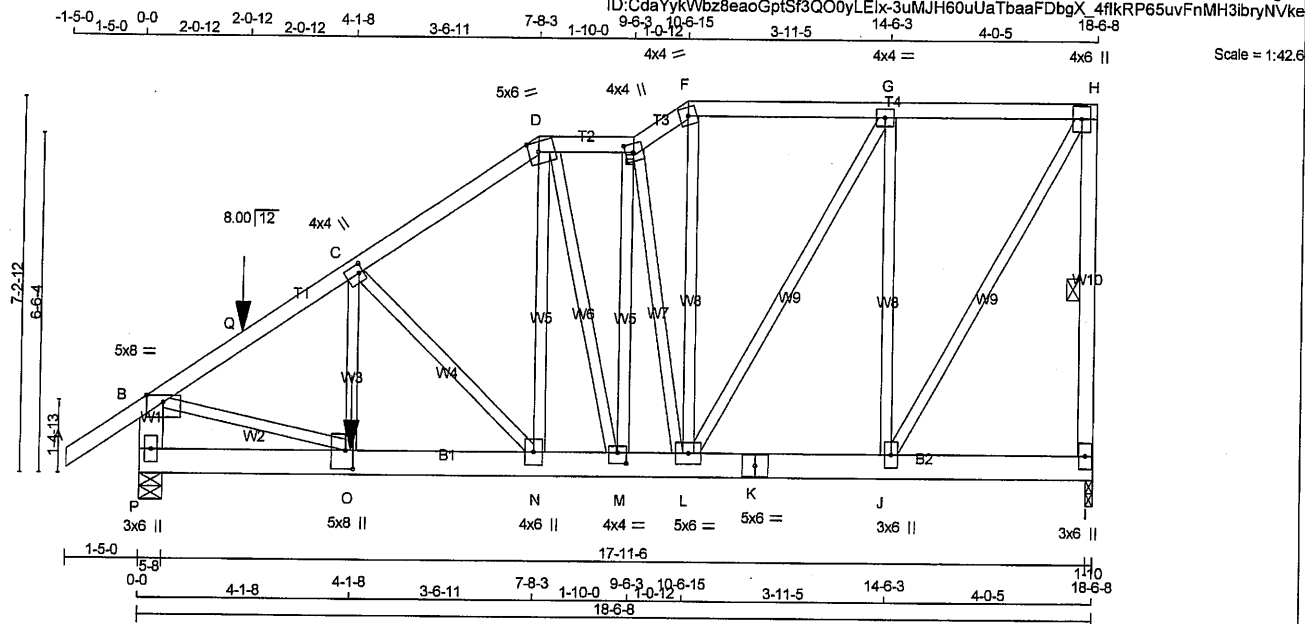
DRWG NO. TAM 116/2208
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T10	QUANTITY 1	PLY 2	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 119 = 238 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
P - B	2x6	DRY	No.2	SPF
P - K	2x6	DRY	No.2	SPF
K - I	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-D 1 12		SIDE(0.0)
D-E 1 12		TOP
E-F 1 12		TOP
F-H 1 12		TOP
H-I 1 12		TOP
P-B 2 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
P-K 2 12		SIDE(183.1)
K-I 2 12		TOP
WEBS : (0.122"x3") SPIRAL NAILS		
C-O 1 4		SIDE(425.0)
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge
C	TMVW-t	MT20	4.0	4.0	2.00 1.00
D	TTVW-m	MT20	5.0	6.0	2.25 2.25
E	TTVW-m	MT20	4.0	4.0	2.00 1.75
F	TTW-m	MT20	4.0	4.0	
G	TMVW-t	MT20	4.0	4.0	
H	TMVW-p	MT20	4.0	6.0	
I	BMV1-p	MT20	3.0	6.0	
J	BMVW-t	MT20	3.0	6.0	
K	BS-t	MT20	5.0	6.0	
L	BMVW-t	MT20	5.0	6.0	
M	BMVW-t	MT20	4.0	4.0	2.50 2.00
N	BMVW-t	MT20	4.0	6.0	
O	BMVW-t	MT20	5.0	8.0	4.25 1.75
P	BMV1-p	MT20	3.0	6.0	

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
I	2081	0	2081	0	1-10	1-10
P	4606	0	4606	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1640	956 / 0	278 / 0	0 / 0	0 / 0	406 / 0	0 / 0
P	3610	2138 / 0	589 / 0	0 / 0	0 / 0	884 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.85 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF H-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		FACTORED		MAX. UNBRACED LENGTH	FR-TO	WEBS	
	MAX. FORCE (LBS)	FACTORED (PLF)	VERT. LOAD LC1	MAX. CSI (LC)			MAX. FORCE (LBS)	MAX. FACTORED CSI (LC)
A-B	0 / 52	-124.4	-124.4	0.11 (1)	10.00	C-C	0 / 1989	0.25 (1)
B-Q	-4617 / 0	-124.4	-124.4	0.55 (1)	3.85	C-N	-2449 / 0	0.55 (1)
Q-C	-4617 / 0	-124.4	-124.4	0.55 (1)	3.85	N-D	0 / 1776	0.22 (1)
C-D	-2672 / 0	-124.4	-124.4	0.31 (1)	5.19	D-M	-574 / 0	0.20 (1)
D-E	-2046 / 0	-124.4	-124.4	0.05 (1)	6.13	M-E	0 / 453	0.06 (1)
E-F	-2045 / 0	-124.4	-124.4	0.03 (1)	6.16	E-L	-1800 / 0	0.63 (1)
F-G	-1715 / 0	-124.4	-124.4	0.18 (1)	6.25	L-F	0 / 873	0.11 (1)
G-H	-1074 / 0	-124.4	-124.4	0.17 (1)	6.25	L-G	0 / 1312	0.18 (1)
H-I	-2025 / 0	0.0	0.0	0.24 (1)	6.20	J-G	-1745 / 0	0.76 (1)
I-H	-4108 / 0	0.0	0.0	0.15 (1)	7.03	J-H	0 / 3594	0.49 (1)
P-O	0 / 0	-243.9	-243.9	0.19 (1)	10.00	B-O	0 / 3594	0.49 (1)
O-N	0 / 3882	-28.0	-28.0	0.30 (1)	10.00			
N-M	0 / 2202	-28.0	-28.0	0.19 (1)	10.00			
M-L	0 / 2038	-28.0	-28.0	0.17 (1)	10.00			
L-K	0 / 1074	-28.0	-28.0	0.11 (1)	10.00			
K-J	0 / 1074	-28.0	-28.0	0.11 (1)	10.00			
J-I	0 / 0	-28.0	-28.0	0.03 (3)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
O	4-1-8	-1810	-1810	—	BACK	VERT
Q	2-0-12	-372	-372	—	BACK	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 ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

GIRDER TYPE: CSIdGirder

START DISTANCE = 0-0
START SPAN CARRIED = 7-8-0
END DISTANCE = 4-1-8
END SPAN CARRIED = 7-8-0
END WALL WIDTH = 0-0
APPLIED TO FRONT SIDE OF BOTTOM CHORD.
- ADD'L LOADS BASED ON 55 % OF GSL.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPC 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 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.55/1.00 (B-C-1), BC=0.30/1.00 (N-C-1),
WB=0.76/1.00 (G-J-1), SSI=0.20/1.00 (B-C-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)
MT20	618	354	1667 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (J) (INPUT = 0.90)
JSI METAL= 0.51 (O) (INPUT = 1.00)

CONTINUED ON PAGE 2

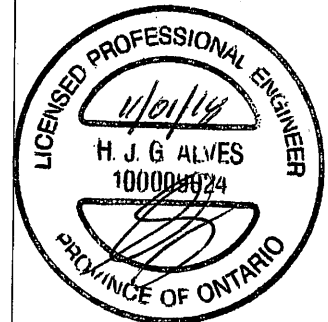
JOB NAME 290538	TRUSS NAME T10	QUANTITY 1	PLY 2	JOB DESC. 45246 TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 453.4 lbs FACTORED DOWN AT 2-0-12 ON TOP CHORD, AND 2330.9 lbs FACTORED DOWN AT 4-1-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM **T10/2209**
STRUCTURAL
COMPONENT ONLY **2/2**

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 95 lb

ALL WEBS 2x3 DRY
EXCEPT

DRY: SEASONED LUMBER

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW+p	MT20	4.0	4.0	1.25	2.00
B	TTWW+m	MT20	5.0	6.0	2.00	1.50
C	TTWW+m	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
G	BMWW1-t	MT20	4.0	4.0		
H	BMWWWW-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMV1+p	MT20	3.0	4.0		

BEARINGS

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT K.

1ST LCASE _____ MAX./MIN. COMPONENT REACTIONS

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

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

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

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

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 (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX	CS1 (LC)	
FR-TO		FROM TO	CS1 (LC)	LENGTH	FR-TO				
A-B	-604 / 0	-124.4	-124.4	0.54 (1)	6.25	B-B	-204 / 105	0.22 (1)	
B-C	-528 / 0	-124.4	-124.4	0.07 (1)	6.25	B-I	-13 / 123	0.03 (1)	
C-D	-598 / 0	-124.4	-124.4	0.03 (1)	6.25	I-C	-287 / 0	0.29 (1)	
D-E	-497 / 0	-124.4	-124.4	0.22 (1)	6.25	C-H	-227 / 23	0.24 (1)	
E-F	0 / 0	-124.4	-124.4	0.21 (1)	10.00	H-D	0 / 138	0.03 (2)	
G-F	-158 / 0	0.0	0.0	0.05 (1)	6.25	H-E	0 / 392	0.09 (1)	
K-A	-1033 / 0	0.0	0.0	0.31 (1)	7.72	E-G	-931 / 0	0.46 (1)	
						A-J	0 / 636	0.14 (1)	
K-J	0 / 0	-28.0	-28.0	0.18 (3)	10.00				
J-I	0 / 499	-28.0	-28.0	0.22 (2)	10.00				
I-H	0 / 532	-28.0	-28.0	0.34 (3)	10.00				
H-G	0 / 355	-28.0	-28.0	0.32 (3)	10.00				

EMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R-TO		
J-B	-204 / 105	0.21 (1)
B-I	-13 / 123	0.03 (1)
J-C	-287 / 0	0.29 (1)
C-H	-227 / 23	0.24 (1)
I-D	0 / 138	0.03 (2)
H-E	0 / 392	0.09 (1)
E-G	-931 / 0	0.46 (1)
A-J	0 / 636	0.14 (1)

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 ALL FLAT SECTIONS 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 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.54/1.00 (A-B:1), BC=0.34/1.00 (H-I:3), WB=0.46/1.00 (E-G:1), SS=0.20/1.00 (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 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSL GRIP= 0.72 (G) (INPUT = 0.90)
JSL METAL= 0.19 (J) (INPUT = 1.00)

DWG NO. TAM 718/2240
STRUCTURAL
COMPONENT ONLY



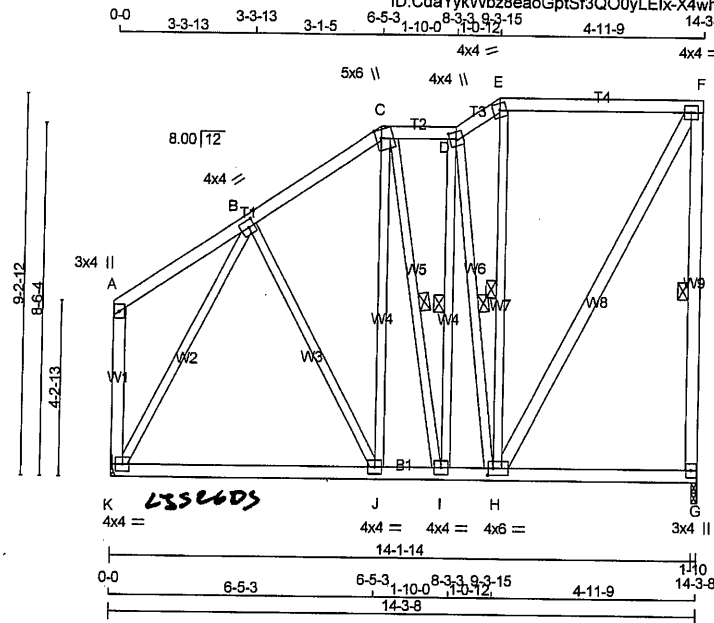
JOB NAME 290538	TRUSS NAME T12	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:53.5



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
H - F	2x4	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	4.0	4.0	2.00	1.75
C	TTWW+m	MT20	5.0	6.0	2.50	1.50
D	TTWW+m	MT20	4.0	4.0	2.00	1.75
E	TTW-m	MT20	4.0	4.0		
F	TMVW-t	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVWV-t	MT20	4.0	6.0	2.00	1.50
I	BMVWV-t	MT20	4.0	4.0		
J	BMVWV-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	4.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
G	1089	0	1089	0	1-10	1-10
K	1089	0	1089	0	MECHANICAL	

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT K.

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	862	497 / 0	150 / 0	0 / 0	0 / 0	214 / 0	0 / 0
K	862	497 / 0	150 / 0	0 / 0	0 / 0	214 / 0	0 / 0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MAX. FACTORED		FACTORED			MAX. FACTORED				
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MEMB.	FORCE	MAX		
	(LBS)	(PLF)				(LBS)			
FR-TO		FROM	TO	CSI (LC)	UNBRACED LENGTH	FR-TO	MAX CSI (LC)		
A-B	0 / 25	-124.4	-124.4	0.21 (1)	10.00	B-J	0 / 117	0.03 (3)	
B-C	-606 / 0	-124.4	-124.4	0.16 (1)	6.25	J-C	0 / 294	0.07 (3)	
C-D	-457 / 0	-124.4	-124.4	0.06 (1)	6.25	C-I	-186 / 0	0.09 (2)	
D-E	-477 / 0	-124.4	-124.4	0.02 (1)	6.25	I-D	-47 / 0	0.02 (3)	
E-F	-396 / 0	-124.4	-124.4	0.39 (1)	6.25	D-H	-425 / 0	0.20 (1)	
G-F	-1035 / 0	0.0	0.0	0.41 (1)	6.18	H-E	-111 / 65	0.06 (1)	
K-A	-156 / 0	0.0	0.0	0.05 (1)	7.81	H-F	0 / 828	0.13 (1)	
						K-B	-973 / 0	0.83 (1)	
K-J	0 / 459	-28.0	-28.0	0.34 (3)	10.00				
J-I	0 / 484	-28.0	-28.0	0.35 (3)	10.00				
I-H	0 / 457	-28.0	-28.0	0.21 (2)	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 ALL FLAT SECTIONS 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 (0.48")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.41/1.00 (F-G-1), BC=0.35/1.00 (I-J-3), WB=0.83/1.00 (B-K-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.

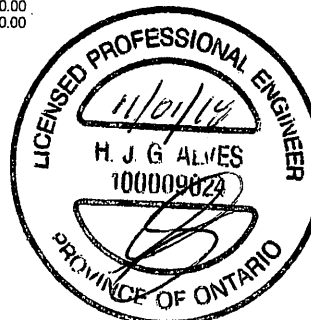
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
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 (H) (INPUT = 0.90)
JSI METAL= 0.32 (B) (INPUT = 1.00)



DRWG NO. TAM 71812211
STRUCTURAL
COMPONENT ONLY

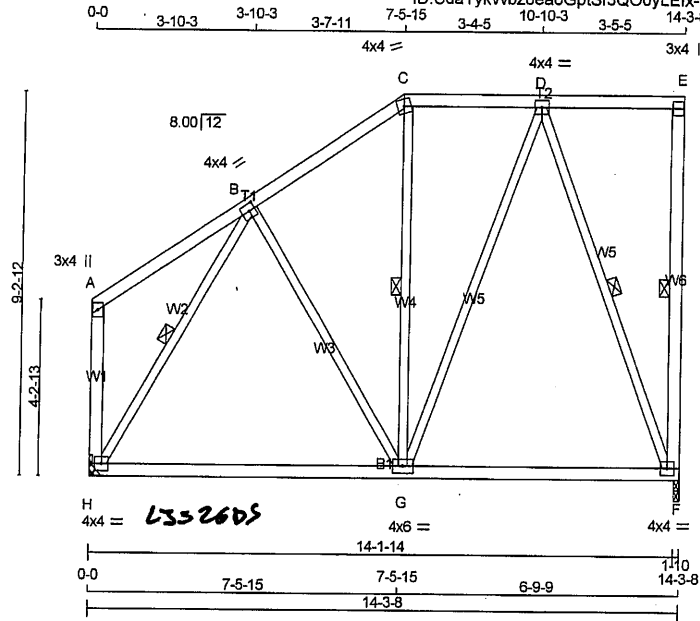
JOB NAME 290538	TRUSS NAME T13	QUANTITY 2	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: CdaYykWbz8eaoGptSf3QO0yLElx-0HU3ho180CjPtPbi5ZS94N8zCIQMqQ4pbYofkyNVkc

Scale = 1:53.2



LUMBER TOTAL WEIGHT = 2 X 82 = 165 lb

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
H - A	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
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	4.0	4.0	2.00	1.75
C	TTV-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		
G	BMVWV-t	MT20	4.0	6.0		
H	BMVW1-t	MT20	4.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
F	1089	0	1089	0	0	1-10
H	1089	0	1089	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
F	862	497 / 0	150 / 0	0 / 0	0 / 0	214 / 0	0 / 0
H	862	497 / 0	150 / 0	0 / 0	0 / 0	214 / 0	0 / 0

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

BRACING

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-F, C-G, D-F, B-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)	LC1	MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 / 31	-124.4	-124.4	0.29 (1)	10.00	B-G	-64 / 84	0.07 (1)	
B-C	-576 / 0	-124.4	-124.4	0.22 (1)	6.25	G-C	-31 / 99	0.02 (3)	
C-D	-452 / 0	-124.4	-124.4	0.18 (1)	6.25	G-D	0 / 356	0.08 (1)	
D-E	0 / 0	-124.4	-124.4	0.24 (1)	10.00	D-F	-919 / 0	0.59 (1)	
E-F	-164 / 0	0.0	0.0	0.07 (1)	6.25	H-B	-958 / 0	0.35 (1)	
H-A	-180 / 0	0.0	0.0	0.05 (1)	7.81				
H-G	0 / 485	-28.0	-28.0	0.50 (3)	10.00				
G-F	0 / 330	-28.0	-28.0	0.49 (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) = $L/360$ (0.48")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.11")
ALLOWABLE DEFL. (TL) = $L/360$ (0.48")
CALCULATED VERT. DEFL. (TL) = $L/946$ (0.18")

CSI: TC=0.29/1.00 (A-B:1), BC=0.50/1.00 (G-H:3), WB=0.59/1.00 (D-F:1), SSI=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

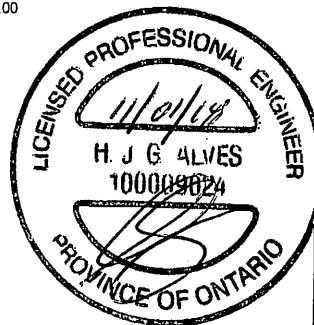
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

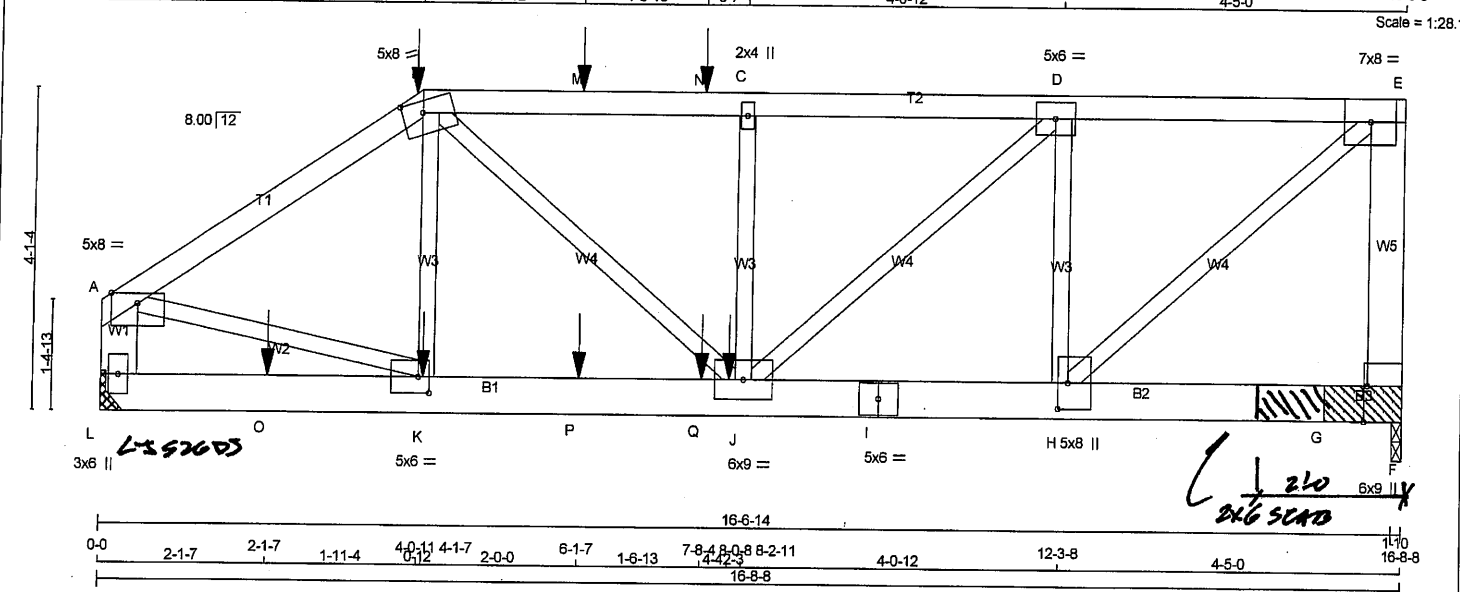
JSI GRIP= 0.79 (B) (INPUT = 0.90)
JSI METAL= 0.32 (B) (INPUT = 1.00)



DWG NO. TAM **T13/12212**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T14	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID: CdaYyKwbz8eaoGpTSf3Q00yLElx-UT2Sv82mnVrAR1_oGo4hiHvCdc6V5FgD2FIMCAyNVkb



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - B	2x4 DRY	No.2	SPF
B - E	2x4 DRY	No.2	SPF
F - E	2x6 DRY	No.2	SPF
L - A	2x6 DRY	No.2	SPF
L - I	2x6 DRY	No.2	SPF
I - F	2x6 DRY	No.2	SPF
ALL WEBS EXCEPT	2x3 DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	Edge	
B	TTWW-m	MT20	5.0	8.0	1.75	3.25
C	TMVW-w	MT20	2.0	4.0		
D	TMVW-t	MT20	5.0	6.0		
E	TMVW-t	MT20	7.0	8.0		
F	BMV1+p	MT20	6.0	9.0	Edge	0.50
H	BMVW-w	MT20	5.0	8.0	4.00	1.50
I	BS-t	MT20	5.0	6.0		
J	BMVW-w	MT20	6.0	9.0		
K	BMVW-t	MT20	5.0	6.0	2.50	1.75
L	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 545.6 lbs FACTORED DOWN AT 4-0-11, AND 149.7 lbs FACTORED DOWN AT 6-1-7, AND 149.7 lbs FACTORED DOWN AT 7-8-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-1-7, 69.9 lbs FACTORED DOWN AT 4-1-7, 69.9 lbs FACTORED DOWN AT 6-1-7, AND 69.9 lbs FACTORED DOWN AT 7-8-4, AND 1180.9 lbs FACTORED DOWN AT 8-0-8 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	MAXIMUM FACTORED GROSS REACTION	INPUT REQRD BRG
VERT			
DOWN			
UP			
MECHANICAL			

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT L.

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX MIN. SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	1692	1000 / 0	275 / 0	0 / 0	0 / 0	417 / 0	0 / 0
L	2015	1192 / 0	325 / 0	0 / 0	0 / 0	498 / 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 = 2.84 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.

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	-2989 / 0	-124.4	-124.4 0.58 (1)	A-K	-329 / 157	0.08 (1)	
B-M	-3473 / 0	-124.4	-124.4 0.74 (1)	H-E	0 / 2553	0.63 (1)	
M-N	-3473 / 0	-124.4	-124.4 0.74 (1)	H-E	0 / 2905	0.72 (1)	
N-C	-3473 / 0	-124.4	-124.4 0.74 (1)	B-J	0 / 1340	0.33 (1)	
C-D	-3474 / 0	-124.4	-124.4 0.61 (1)	H-D	-1707 / 0	0.43 (1)	
D-E	-2220 / 0	-124.4	-124.4 0.42 (1)	J-C	-782 / 0	0.20 (1)	
F-E	-2104 / 0	0.0	0.0 0.33 (1)	J-D	0 / 1701	0.42 (1)	
L-A	-2511 / 0	0.0	0.0 0.18 (1)				
L-O	0 / 0	-28.0	-28.0 0.10 (3)				
O-K	0 / 0	-28.0	-28.0 0.10 (3)				
K-P	0 / 2473	-28.0	-28.0 0.44 (1)				
P-Q	0 / 2473	-28.0	-28.0 0.44 (1)				
Q-J	0 / 2473	-28.0	-28.0 0.44 (1)				
J-I	0 / 2220	-28.0	-28.0 0.39 (1)				
I-H	0 / 2220	-28.0	-28.0 0.39 (1)				
H-G	0 / 0	-28.0	-28.0 0.07 (3)				
G-F	0 / 0	-28.0	-28.0 0.07 (3)				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
B	4-0-11	-50	-50		FRONT	VERT	DEAD
B	4-0-11	-111	-111		FRONT	VERT	TOTAL
B	4-0-11	-216	-216		FRONT	VERT	SNOW
J	8-0-8	-910	-910		FRONT	VERT	TOTAL
K	4-1-7	-50	-50		FRONT	VERT	TOTAL
M	6-1-7	-103	-103		FRONT	VERT	TOTAL
N	7-8-4	-103	-103		FRONT	VERT	TOTAL
O	2-1-7	-50	-50		FRONT	VERT	TOTAL
P	6-1-7	-50	-50		FRONT	VERT	TOTAL
Q	7-8-4	-50	-50		FRONT	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL = 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 ***
 ADDTL 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 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 (0.56")
 CALCULATED VERT. DEFL.(LL)= L/999 (0.09")
 ALLOWABLE DEFL.(TL)= L/360 (0.56")
 CALCULATED VERT. DEFL.(TL)= L/999 (0.15")

CSI: TC=0.74/1.00 (B-C:1), BC=0.44/1.00 (J-K:1), WB=0.72/1.00 (E-H:1), SS=0.45/1.00 (B-C: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

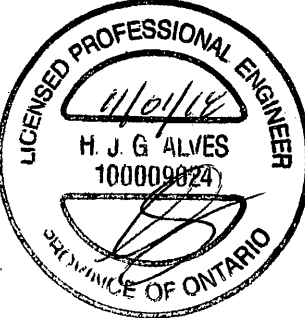
AUTOSOLVE RIGHT HEEL ONLY

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

PLATE PLACEMENT TOL. = 0.250 inches

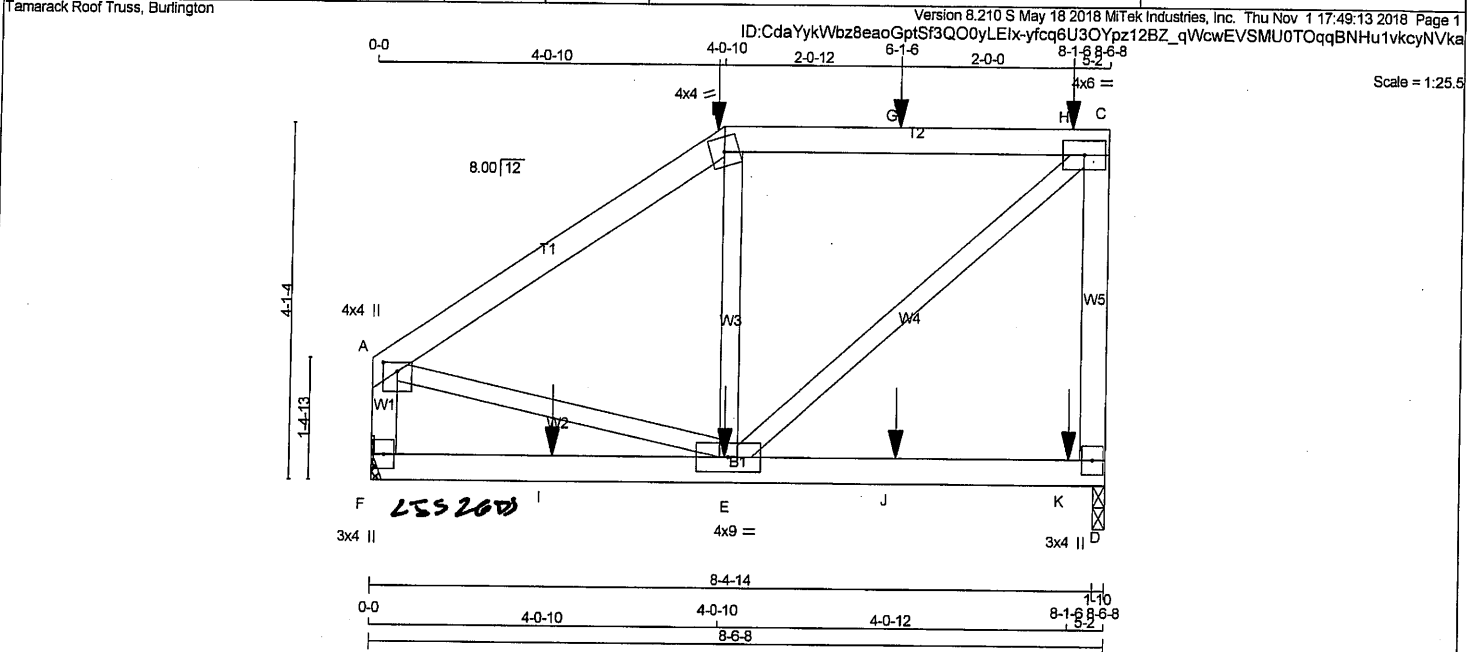
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (H) (INPUT = 0.90)
 JSI METAL= 0.62 (K) (INPUT = 1.00)



DWG NO. TAM 713/2213
 STRUCTURAL
 COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T15	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 36 lb

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

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	4.0	4.0	1.25	2.00
B	TTW-m	MT20	4.0	4.0		
C	TMVW-t	MT20	4.0	6.0		
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 545.6 lbs FACTORED DOWN AT 4'-0-11, AND 149.7 lbs FACTORED DOWN AT 6'-1-6, AND 185.5 lbs FACTORED DOWN AT 8'-1-6 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2'-1-6, 69.9 lbs FACTORED DOWN AT 4'-1-6, AND 69.9 lbs FACTORED DOWN AT 6'-1-6, AND 84.0 lbs FACTORED DOWN AT 8'-1-6 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		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
D	1297	0	1297	0	0	1-10	1-10		
F	1053	0	1053	0	0	MECHANICAL	MECHANICAL		

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT F.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	1019	598 / 0	168 / 0	0 / 0	0 / 0	253 / 0	0 / 0
F	828	484 / 0	138 / 0	0 / 0	0 / 0	207 / 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 = 4.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	-964 / 0	-124.4	-124.4 0.41 (1)	5.70	E-B	-642 / 38	0.17 (1)
B-G	-770 / 0	-124.4	-124.4 0.80 (1)	4.99	E-C	0 / 1029	0.25 (1)
G-H	-770 / 0	-124.4	-124.4 0.80 (1)	4.99	A-E	0 / 827	0.20 (1)
H-C	-770 / 0	-124.4	-124.4 0.80 (1)	4.99			
D-C	-1196 / 0	0.0	0.0 0.32 (1)	7.28			
F-A	-993 / 0	0.0	0.0 0.11 (1)	7.80			
F-I	0 / 0	-28.0	-28.0 0.27 (3)	10.00			
I-E	0 / 0	-28.0	-28.0 0.27 (3)	10.00			
E-J	0 / 0	-28.0	-28.0 0.27 (3)	10.00			
J-K	0 / 0	-28.0	-28.0 0.27 (3)	10.00			
K-D	0 / 0	-28.0	-28.0 0.27 (3)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	4'-0-11	-50	-50		FRONT	VERT	DEAD
B	4'-0-10	-111	-111		FRONT	VERT	TOTAL
B	4'-0-11	-216	-216		FRONT	VERT	SNOW
E	4'-1-6	-50	-50		FRONT	VERT	TOTAL
G	6'-1-6	-103	-103		FRONT	VERT	TOTAL
H	8'-1-6	-128	-128		FRONT	VERT	TOTAL
I	2'-1-6	-50	-50		FRONT	VERT	TOTAL
J	6'-1-6	-50	-50		FRONT	VERT	TOTAL
K	8'-1-6	-60	-60		FRONT	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL = 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, 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 (0.28")
CALCULATED VERT. DEFL.(LL)= L/999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.28")
CALCULATED VERT. DEFL.(TL)= L/999 (0.04")

CSI: TC=0.80/1.00 (B-C:1), BC=0.27/1.00 (E-F:3),
WB=0.25/1.00 (C-E:1), SS=0.44/1.00 (B-C: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 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

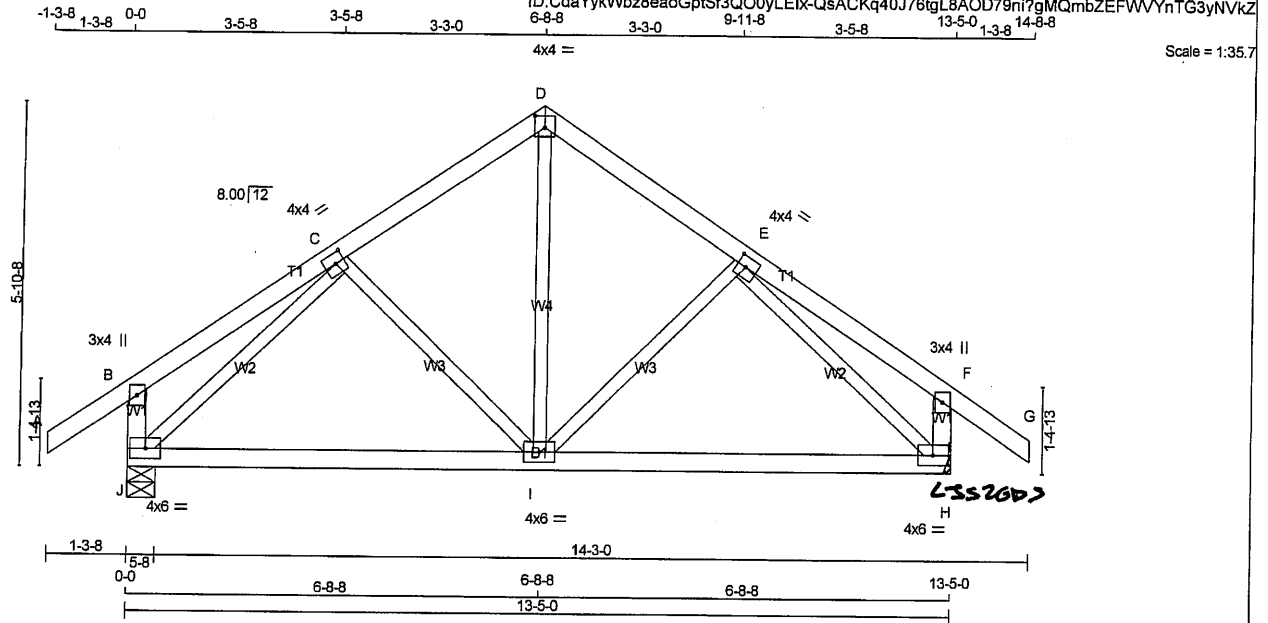
JSI GRIP= 0.90 (A) (INPUT = 0.90)
JSI METAL= 0.26 (A) (INPUT = 1.00)



DRWG NO. TAM 11812214
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T16	QUANTITY 2	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID: CdaYkVwbz8eaoGptSF3Q00yLElx-QsACKq40J76tgL8AOD79ni7gMQmbZEFVVYnTG3yNVkZ



TOTAL WEIGHT = 2 X 58 = 117 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVWV-1	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMVWV-1	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVWV-1	MT20	4.0	6.0		
I	BMVWV-1	MT20	4.0	6.0		
J	BMVWV-1	MT20	4.0	6.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
J	1193	0	1193	0
H	1193	0	1193	0

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT H.

UNFACTORED REACTIONS

1ST LCASE	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	926	562/0	141/0	0/0	0/0	223/0	0/0
H	926	562/0	141/0	0/0	0/0	223/0	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 (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED HORIZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (FR-TO)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LC1)
FR-TO							FR-TO			
A-B	0/47	-124.4	-124.4	0.17 (1)	10.00	I-D	0/533	0.12 (1)		
B-C	0/26	-124.4	-124.4	0.22 (1)	10.00	I-E	-215/19	0.08 (1)		
C-D	-800/0	-124.4	-124.4	0.17 (1)	6.25	C-I	-215/19	0.08 (1)		
D-E	-800/0	-124.4	-124.4	0.17 (1)	6.25	J-C	-1122/0	0.39 (1)		
E-F	0/26	-124.4	-124.4	0.22 (1)	10.00	E-H	-1122/0	0.39 (1)		
F-G	0/47	-124.4	-124.4	0.17 (1)	10.00					
J-B	-332/0	0.0	0.0	0.03 (1)	7.81					
H-F	-332/0	0.0	0.0	0.03 (1)	7.81					
J-I	0/797	-28.0	-28.0	0.47 (3)	10.00					
I-H	0/797	-28.0	-28.0	0.47 (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) = $L/360$ (0.45")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.06")
ALLOWABLE DEFL.(TL) = $L/360$ (0.45")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.11")

CSI: TC=0.22/1.00 (E-F:1), BC=0.47/1.00 (I-J:3),
WB=0.39/1.00 (E-H:1), SS=0.18/1.00 (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 (PSI)	SECTION (PLI)
MT20	618	354
MT20	1667	822
MT20	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



DRWG NO. TAM **116/2215**
STRUCTURAL
COMPONENT ONLY

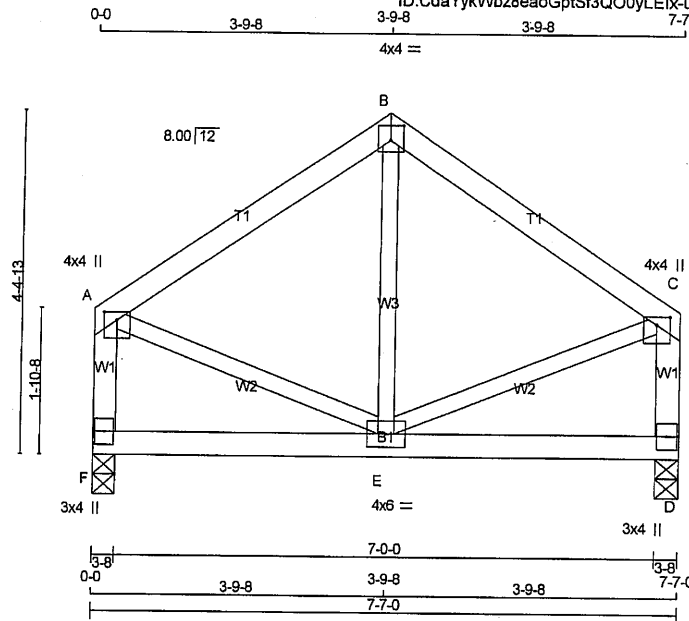
JOB NAME 290538	TRUSS NAME T17	QUANTITY 2	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:28.3



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
F	578	0	578	0	3-8	3-8
D	578	0	578	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX./MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	457	264 / 0	80 / 0	0 / 0	0 / 0	114 / 0	0 / 0
D	457	264 / 0	80 / 0	0 / 0	0 / 0	114 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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	FACTORED			MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED	FACTORED	
	FORCE (LBS)	VERT. LOAD (PLF)	LC1 (LC)	MAX. CSI (LC)			FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO				FR-TO			
A-B	-336/0	-124.4	-124.4	0.23 (1)	6.25	E-B	-99/114	0.03 (3)	
B-C	-336/0	-124.4	-124.4	0.23 (1)	6.25	A-E	0/302	0.07 (1)	
F-A	-536/0	0.0	0.0	0.06 (1)	7.81	E-C	0/302	0.07 (1)	
D-C	-536/0	0.0	0.0	0.06 (1)	7.81				
F-E	0/0	-28.0	-28.0	0.12 (3)	10.00				
E-D	0/0	-28.0	-28.0	0.12 (3)	10.00				

TOTAL WEIGHT = 2 X 32 = 64 lb

(M)(F)

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) = $L/360$ (0.25")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.25")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.01")

CSI: TC=0.23/1.00 (B-C:1), BC=0.12/1.00 (D-E:3), WB=0.07/1.00 (A-E:1), SSI=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF.

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	MAX MIN
MT20	618 354	1667 822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

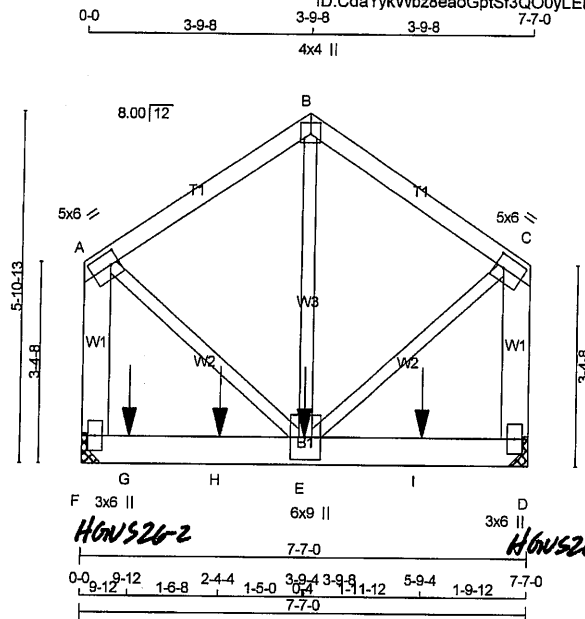
JSI GRIP= 0.50 (E) (INPUT = 0.90)
JSI METAL= 0.11 (A) (INPUT = 1.00)



DWG NO. TAM **T17/2216**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T18	QUANTITY 1	PLY 2	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:37.2

TOTAL WEIGHT = 2 X 46 = 92 lb

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	2x6	DRY	No.2	SPF	
D - C	2x6	DRY	No.2	SPF	
F - D	2x6	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-B 1	12	TOP
B-C 1	12	TOP
F-A 2	12	TOP
D-C 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F-D 2	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
E-B 1	6	SIDE(93.7)
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+1	MT20	5.0	6.0	2.50 1.75
B	TTW+p	MT20	4.0	4.0	2.25 2.00
C	TMVW+1	MT20	5.0	6.0	2.50 1.75
D	BMV1+p	MT20	3.0	6.0	
E	BMVWVW+1	MT20	6.0	9.0	
F	BMV1+p	MT20	3.0	6.0	

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1063.5 lbs FACTORED DOWN AT 9-12, 1050.9 lbs FACTORED DOWN AT 2-4-4, AND 1050.9 lbs FACTORED DOWN AT 3-9-4, AND 1050.9 lbs FACTORED DOWN AT 5-9-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
F	3043	0	3043	0	MECHANICAL	MECHANICAL
D	2359	0	2359	0	MECHANICAL	MECHANICAL

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT F, D.

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	2379	1418 / 0	381 / 0	0 / 0	0 / 0	580 / 0	0 / 0
D	1845	1099 / 0	296 / 0	0 / 0	0 / 0	450 / 0	0 / 0

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.	MAX. FACTORED FORCE (LBS)	CHORDS		MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
		FR-TO	FROM TO						
A-B	-1450 / 0			-124.4	-124.4	0.18 (1)	6.25	E-B	0 / 1137
B-C	-1450 / 0			-124.4	-124.4	0.18 (1)	6.25	A-E	0 / 1532
F-A	-1985 / 0			0.0	0.0	0.12 (1)	7.81	E-C	0 / 1532
D-C	-1985 / 0			0.0	0.0	0.12 (1)	7.81		
F-G	0 / 0			-28.0	-28.0	0.32 (1)	10.00		
G-H	0 / 0			-28.0	-28.0	0.32 (1)	10.00		
H-E	0 / 0			-28.0	-28.0	0.32 (1)	10.00		
E-I	0 / 0			-28.0	-28.0	0.32 (1)	10.00		
I-D	0 / 0			-28.0	-28.0	0.32 (1)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
E	3-9-4	-827	-827	---	BACK	VERT	TOTAL
G	9-12	-830	-830	---	BACK	VERT	TOTAL
H	2-4-4	-827	-827	---	BACK	VERT	TOTAL
I	5-9-4	-827	-827	---	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, 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) = $L/360$ (0.25")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.25")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.18/1.00 (B-C:1), BC=0.32/1.00 (D-E:1), WB=0.19/1.00 (A-E:1), SSI=0.39/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	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= 0.77 (B) (INPUT = 0.90)

JSI METAL= 0.20 (A) (INPUT = 1.00)

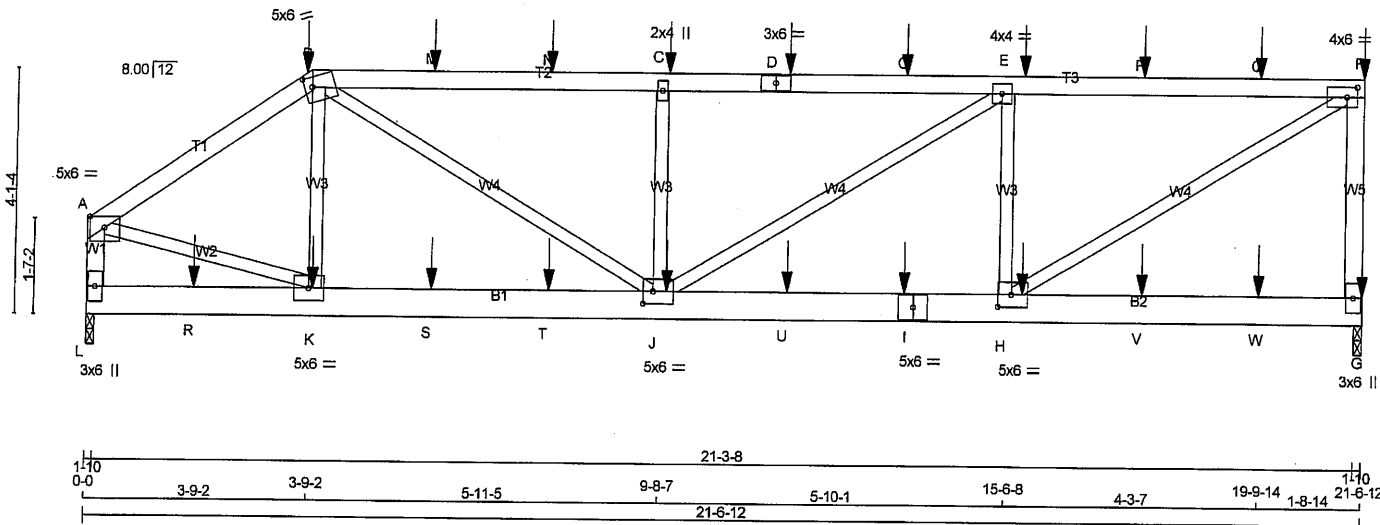


DWG NO. TAM T18/2217
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T21	QUANTITY 1	PLY 2	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					

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0-0 3-9-2 3-9-2 5-11-5 9-8-7 5-10-1 15-6-8 4-3-7 19-9-14 1-8-14 21-6-12
Scale = 1:37.0



TOTAL WEIGHT = 2 X 96 = 193 lb

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	
L - A	2x4	DRY	No.2	SPF	
L - I	2x6	DRY	No.2	SPF	
I - G	2x6	DRY	No.2	SPF	

ALL WEBS EXCEPT 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-B 1 12		SIDE(61.0)
B-D 1 12		SIDE(61.0)
D-F 1 12		SIDE(61.0)
F-G 1 12		TOP
L-A 1 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
L-I 2 12		SIDE(183.1)
I-G 2 12		SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TTWW-m	MT20	5.0	6.0	2.00	1.50
C	TMW-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	4.0	6.0	2.00	2.00
G	BMV1-p	MT20	3.0	6.0		
H	BMVW-t	MT20	5.0	6.0	2.50	2.75
I	BS-t	MT20	5.0	6.0		
J	BMVW-w-t	MT20	5.0	6.0	2.50	2.00
K	BMVW-t	MT20	5.0	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 IN-SX	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
G	2894	0	2894	0	1-10	1-10
L	2782	0	2782	0	1-10	1-10

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
G	2302	1309 / 0	415 / 0	0 / 0	0 / 0	579 / 0	0 / 0
L	2197	1272 / 0	376 / 0	0 / 0	0 / 0	549 / 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 = 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. UNBRACED LENGTH	MAX. FACTORED		MAX. FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. (PLF)		MEMB.	FORCE (LBS)	CS1 (LBS)	CS2 (LBS)	
FR-TO		FROM	TO		FR-TO				
A-B	-3080 / 0	-124.4	-124.4	0.21 (1)	5.06	K-B	0 / 0	0.08 (3)	
B-M	-4168 / 0	-124.4	-124.4	0.63 (1)	3.94	A-B	0 / 0	0.34 (1)	
M-N	-4168 / 0	-124.4	-124.4	0.63 (1)	3.94	B-M	0 / 0	0.49 (1)	
N-C	-4168 / 0	-124.4	-124.4	0.63 (1)	3.94	A-B	0 / 0	0.24 (1)	
C-D	-4168 / 0	-124.4	-124.4	0.65 (1)	3.91	B-M	-1784 / 0	0.15 (1)	
D-O	-4168 / 0	-124.4	-124.4	0.65 (1)	3.91	A-B	-1272 / 0	0.15 (1)	
O-E	-4168 / 0	-124.4	-124.4	0.65 (1)	3.91	B-M	0 / 0	0.15 (1)	
E-P	-3392 / 0	-124.4	-124.4	0.61 (1)	4.32				
P-Q	-3392 / 0	-124.4	-124.4	0.61 (1)	4.32				
Q-F	-3392 / 0	-124.4	-124.4	0.61 (1)	4.32				
G-F	-2728 / 0	0.0	0.0	0.34 (1)	6.91				
L-A	-2736 / 0	0.0	0.0	0.15 (1)	6.90				
L-R	0 / 0	-28.0	-28.0	0.08 (3)	10.00				
R-K	0 / 0	-28.0	-28.0	0.08 (3)	10.00				
K-S	0 / 2544	-28.0	-28.0	0.22 (1)	10.00				
S-T	0 / 2544	-28.0	-28.0	0.22 (1)	10.00				
T-J	0 / 2544	-28.0	-28.0	0.22 (1)	10.00				
J-U	0 / 3392	-28.0	-28.0	0.28 (1)	10.00				
U-I	0 / 3392	-28.0	-28.0	0.28 (1)	10.00				
I-H	0 / 3392	-28.0	-28.0	0.28 (1)	10.00				
H-V	0 / 0	-28.0	-28.0	0.10 (3)	10.00				
V-W	0 / 0	-28.0	-28.0	0.10 (3)	10.00				
W-G	0 / 0	-28.0	-28.0	0.10 (3)	10.00				

PROFESSIONAL
ENGINEER
M. G. ALVES
100009074
PROVINCE OF ONTARIO

DWG NO. TAM 71012
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	9-9-14	-103	-103	---	BACK	VERT	TOTAL
D	11-9-14	-103	-103	---	BACK	VERT	TOTAL
E	15-9-14	-103	-103	---	BACK	VERT	TOTAL
F	21-6-12	-136	-136	---	BACK	VERT	TOTAL
G	21-6-12	-63	-63	---	BACK	VERT	TOTAL
H	15-9-14	-50	-50	---	BACK	VERT	TOTAL
I	13-9-14	-50	-50	---	BACK	VERT	TOTAL
J	9-9-14	-50	-50	---	BACK	VERT	TOTAL
K	3-9-14	-50	-50	---	BACK	VERT	TOTAL
M	5-9-14	-103	-103	---	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 ***
ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.65/1.00 (C-E:1), BC=0.28/1.00 (H-J:1), WB=0.49/1.00 (F-H:1), SS=0.27/1.00 (B-C: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 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (J) (INPUT = 0.90)
JSI METAL = 0.42 (H) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	45246	DRWG NO.
290538	T21	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

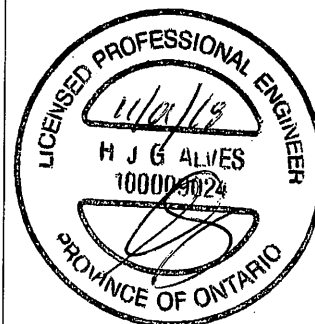
Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:17 2018 Page 2
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HANGERS NOTES

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 5-9-14, 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	13-9-14	-103	-103	---	BACK	VERT	TOTAL
P	17-9-14	-103	-103	---	BACK	VERT	TOTAL
Q	19-9-14	-103	-103	---	BACK	VERT	TOTAL
R	1-9-14	-50	-50	---	BACK	VERT	TOTAL
S	5-9-14	-50	-50	---	BACK	VERT	TOTAL
T	7-9-14	-50	-50	---	BACK	VERT	TOTAL
U	11-9-14	-50	-50	---	BACK	VERT	TOTAL
V	17-9-14	-50	-50	---	BACK	VERT	TOTAL
W	19-9-14	-50	-50	---	BACK	VERT	TOTAL



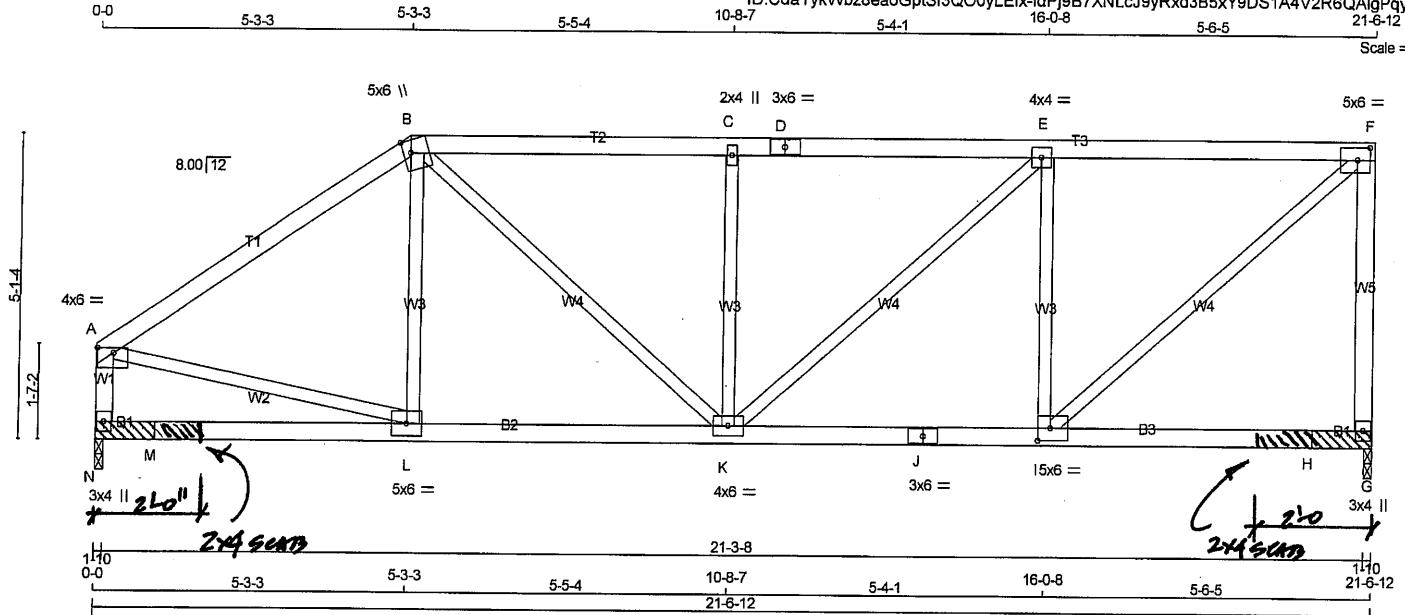
DWG NO. TAM 71812218
STRUCTURAL
COMPONENT ONLY 7/2

JOB NAME 290538	TRUSS NAME T22	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID: CdaYykWbz8eaoGptSf3Q00yLEix-ldPj9B7XNLCj9yRxd3B5xY9DS1A4V2R6QAigPqyNVkv
21-6-12
Scale = 1:37.0



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		REQRD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
G	1643	0	1643	0	0	1-10	1-10 & BLOCK		
N	1643	0	1643	0	0	1-10	1-10 & BLOCK		

UNFACTORED REACTIONS

JT	1ST LCASE	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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. CSI (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			

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

CSI: 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.

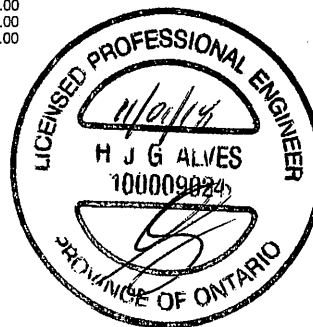
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

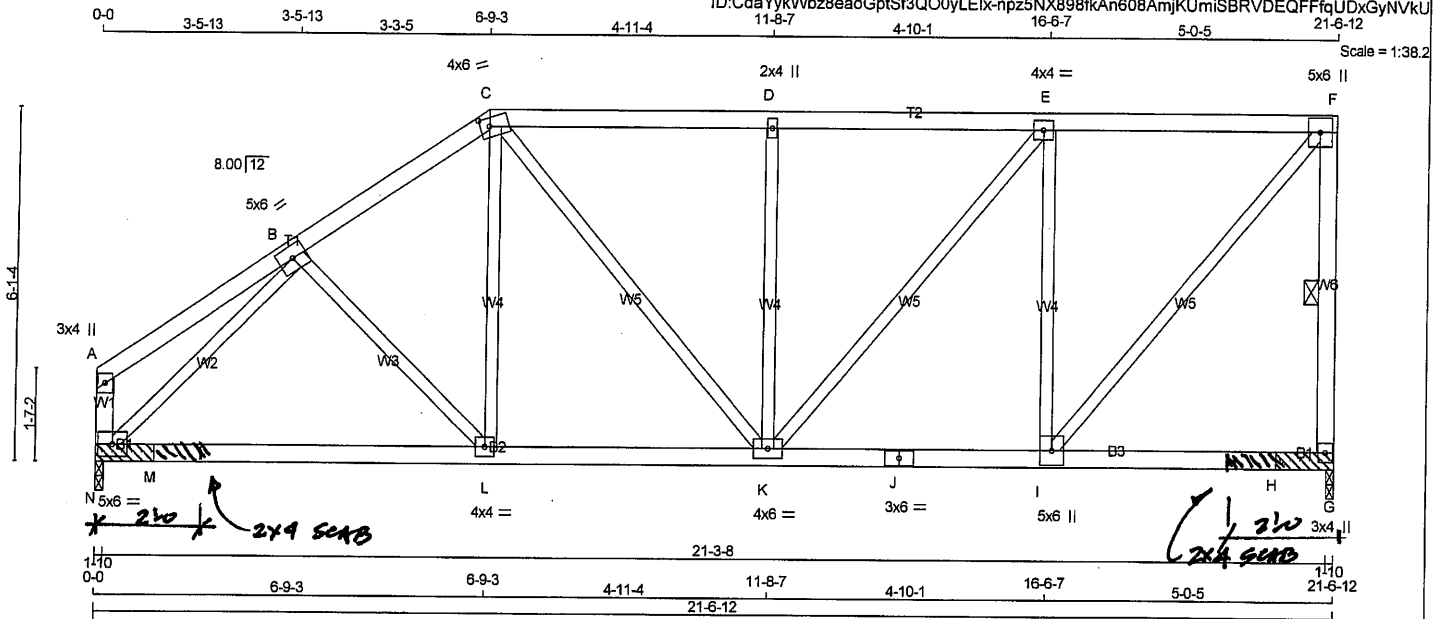
JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.44 (J) (INPUT = 1.00)



DRWG NO. TAM **T1812219**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T23	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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LUMBER

N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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 - 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	TTWV-m	MT20	4.0	6.0	1.75	2.00
D	TMVW-t	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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD 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

JT	1ST LCASE	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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM 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	0/645	0.45 (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, 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) = $L/999$ (0.10")
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), SS=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.

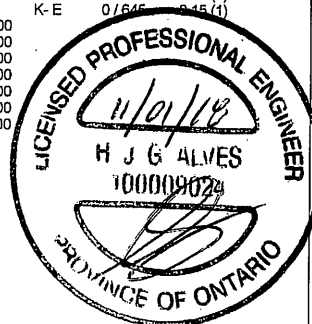
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (C) (INPUT = 0.90)
JSI METAL= 0.47 (B) (INPUT = 1.00)

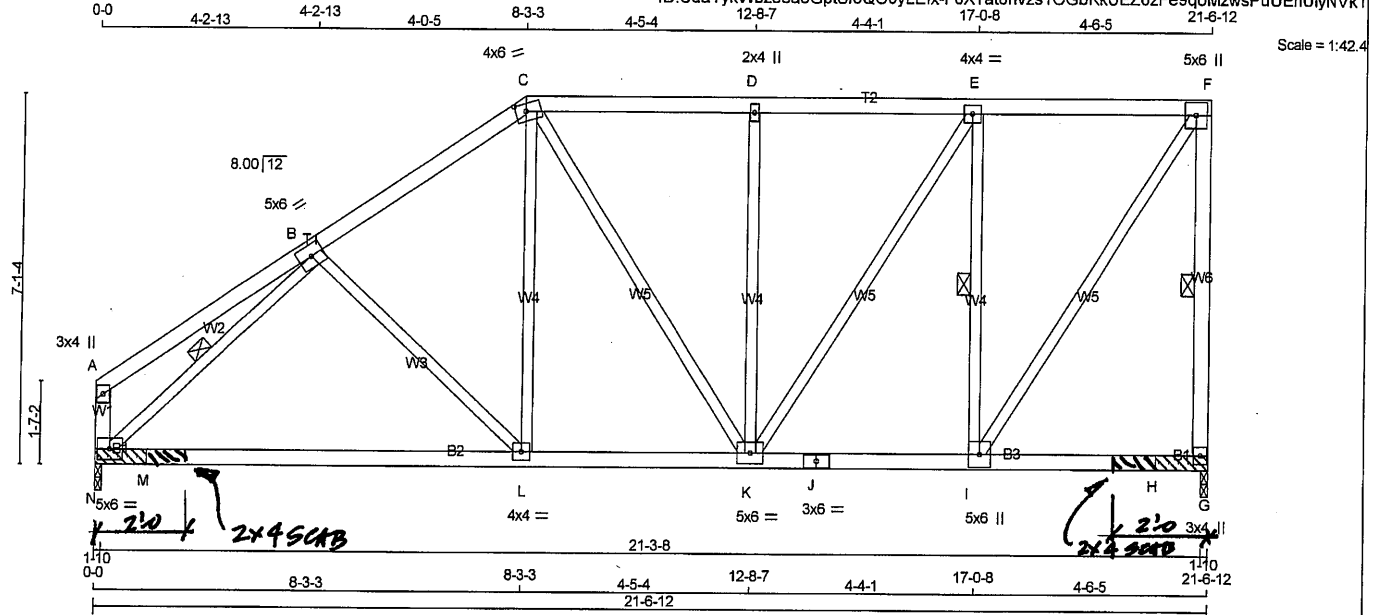


DRWG NO. TAM 171812220
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T24	QUANTITY 2	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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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 - 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	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TMV+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	BMVW1-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
		GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
G	1643	0	1643	0	1-10
N	1643	0	1643	0	1-10

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
G	COMBINED	SNOW	LIVE	PERM.LIVE		
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. 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 = 4.84 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)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (CSI (LC))	MEMB.	MAX. FORCE (LBS)	MAX. (LC)	MAX. (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0 / 33	-124.4	-124.4	0.34 (1)	B-L	-178 / 61	0.11 (1)
B-C	-1541 / 0	-124.4	-124.4	0.39 (1)	L-C	0 / 423	0.10 (2)
C-D	-1290 / 0	-124.4	-124.4	0.34 (1)	N-B	-1931 / 0	0.46 (1)
D-E	-1291 / 0	-124.4	-124.4	0.36 (1)	I-F	0 / 1638	0.37 (1)
E-F	-906 / 0	-124.4	-124.4	0.35 (1)	C-K	-57 / 58	0.08 (3)
G-F	-1593 / 0	0.0	0.0	0.36 (1)	I-E	-1211 / 0	0.39 (1)
N-A	-197 / 0	0.0	0.0	0.02 (1)	K-D	-589 / 0	0.51 (1)
					K-E	0 / 10	0.10 (3)
N-M	0 / 1382	-28.0	-28.0	0.57 (2)			
M-L	0 / 1382	-28.0	-28.0	0.57 (2)			
L-K	0 / 1259	-28.0	-28.0	0.57 (3)			
K-J	0 / 906	-28.0	-28.0	0.25 (2)			
J-I	0 / 906	-28.0	-28.0	0.25 (2)			
I-H	0 / 0	-28.0	-28.0	0.17 (3)			
H-G	0 / 0	-28.0	-28.0	0.17 (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, 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) = $L/783$ (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.

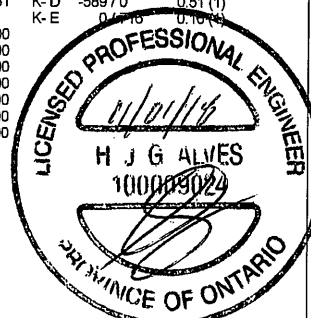
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX	MIN	MAX
MT20	618	354
	1687	822
	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

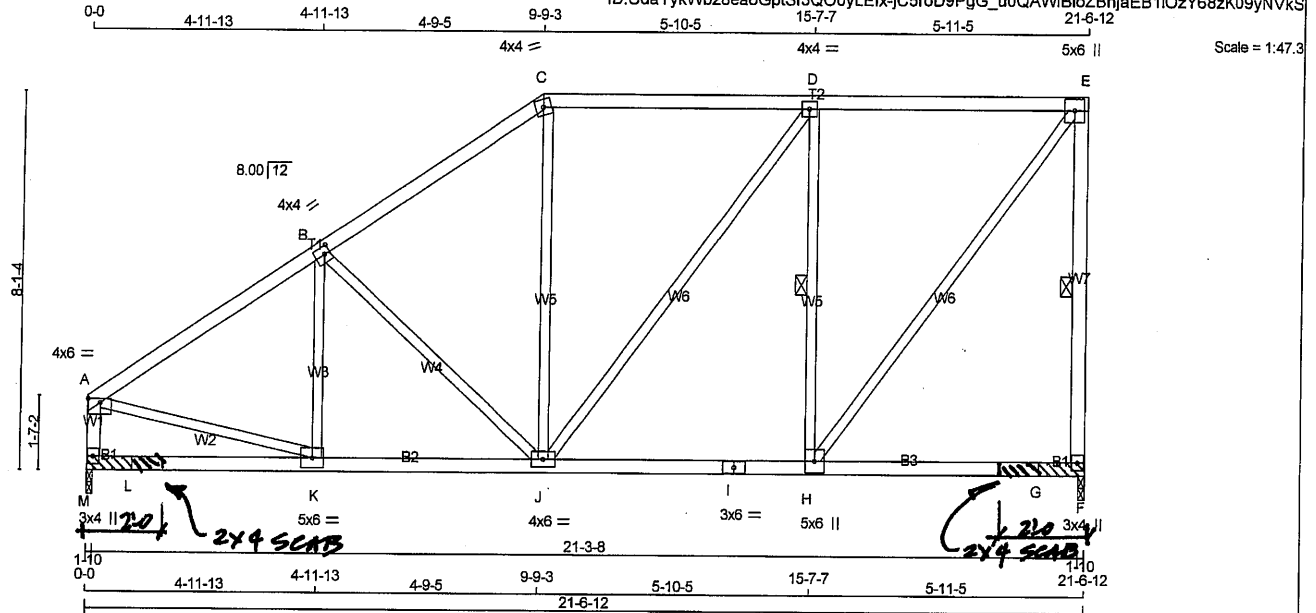
ISI GRIP= 0.78 (F) (INPUT = 0.90)
ISI METAL= 0.46 (B) (INPUT = 1.00)



DRWG NO. TAM 11812221
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T25	QUANTITY 2	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID: CdaYykWbz8eaoGptSF3Q00yLElx-jC5roD9PgG_u0QAWIBloZBnJaEB1iOzY68zK09yNVkS



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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED						
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 = 4.34 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)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	-1714 / 0	-124.4 -124.4 0.60 (1)	K-B	-223 / 101
B-C	-1398 / 0	-124.4 -124.4 0.58 (1)	B-J	-455 / 0
C-D	-1130 / 0	-124.4 -124.4 0.79 (1)	J-C	0 / 297
D-E	-985 / 0	-124.4 -124.4 0.78 (1)	J-D	0 / 246
F-E	-1578 / 0	0.0 0.0 0.47 (1)	H-D	-1107 / 0
M-A	-1584 / 0	0.0 0.0 0.17 (1)	H-E	0 / 1627
			A-K	0 / 1526
M-L	0 / 0	-28.0 -28.0 0.17 (3)		
L-K	0 / 0	-28.0 -28.0 0.17 (3)		
K-J	0 / 1459	-28.0 -28.0 0.31 (2)		
J-I	0 / 985	-28.0 -28.0 0.35 (2)		
I-H	0 / 985	-28.0 -28.0 0.35 (2)		
H-G	0 / 0	-28.0 -28.0 0.27 (3)		
G-F	0 / 0	-28.0 -28.0 0.27 (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

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), SSI=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.

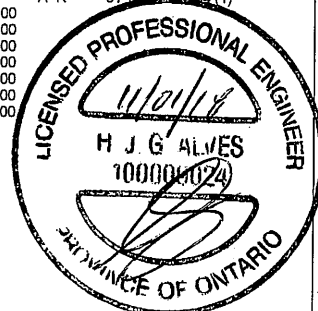
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



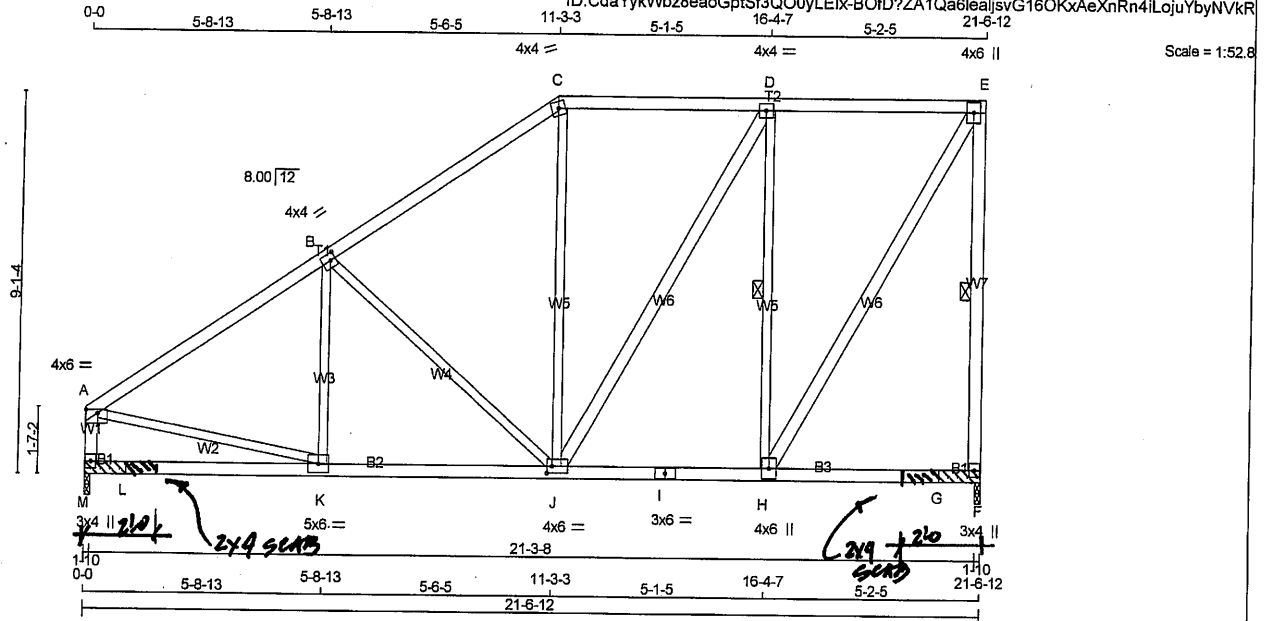
DWG NO. TAM **7812222**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T26	QUANTITY 2	PLY 1	JOB DESC. 45246	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID: CdaYyKwbz8eacGptSf3Q00yLEix-BOFD?ZA1Qa6lealjsvG16OKxAeXnRn4iLojuYbyNVkR



TOTAL WEIGHT = 2 X 116 = 232 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 EXCEPT	2x3	DRY	No.2	SPF
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	TTVV-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		MAXIMUM FACTORED		INPUT		REQRD	
JT	VERT	HORZ	GROSS REACTION	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
F	1643	0	1643	0	0	1-10	1-10 & BLOCK	1-10	1-10 & BLOCK
M	1643	0	1643	0	0	1-10	1-10 & BLOCK	1-10	1-10 & BLOCK

UNFACTORED 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 = 4.39 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)

CHORDS		FACTORED		MAX		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	CS1 (LC)	UNBRACED LENGTH	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM TO				FR-TO			
A-B	-1717 / 0	-124.4	-124.4	0.57 (1)	4.39	K-B	-146 / 173	0.06 (1)	
B-C	-1257 / 0	-124.4	-124.4	0.53 (1)	5.01	B-J	-624 / 0	0.72 (1)	
C-D	-1006 / 0	-124.4	-124.4	0.43 (1)	5.94	J-C	0 / 240	0.06 (3)	
D-E	-788 / 0	-124.4	-124.4	0.43 (1)	6.19	J-D	0 / 442	0.07 (1)	
F-E	-1584 / 0	0.0	0.0	0.61 (1)	5.25	H-D	-1177 / 0	0.64 (1)	
M-A	-1577 / 0	0.0	0.0	0.17 (1)	6.57	H-E	0 / 1553	0.25 (1)	
						A-K	0 / 1503	0.34 (1)	
M-L	0 / 0	-28.0	-28.0	0.25 (3)	10.00				
L-K	0 / 0	-28.0	-28.0	0.25 (3)	10.00				
K-J	0 / 1467	-28.0	-28.0	0.38 (2)	10.00				
J-I	0 / 788	-28.0	-28.0	0.26 (2)	10.00				
I-H	0 / 788	-28.0	-28.0	0.26 (2)	10.00				
H-G	0 / 0	-28.0	-28.0	0.19 (3)	10.00				
G-F	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 (0.06")
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), SS=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.

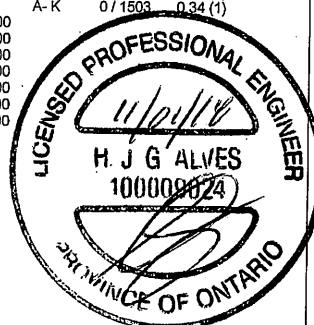
NAIL VALUES

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

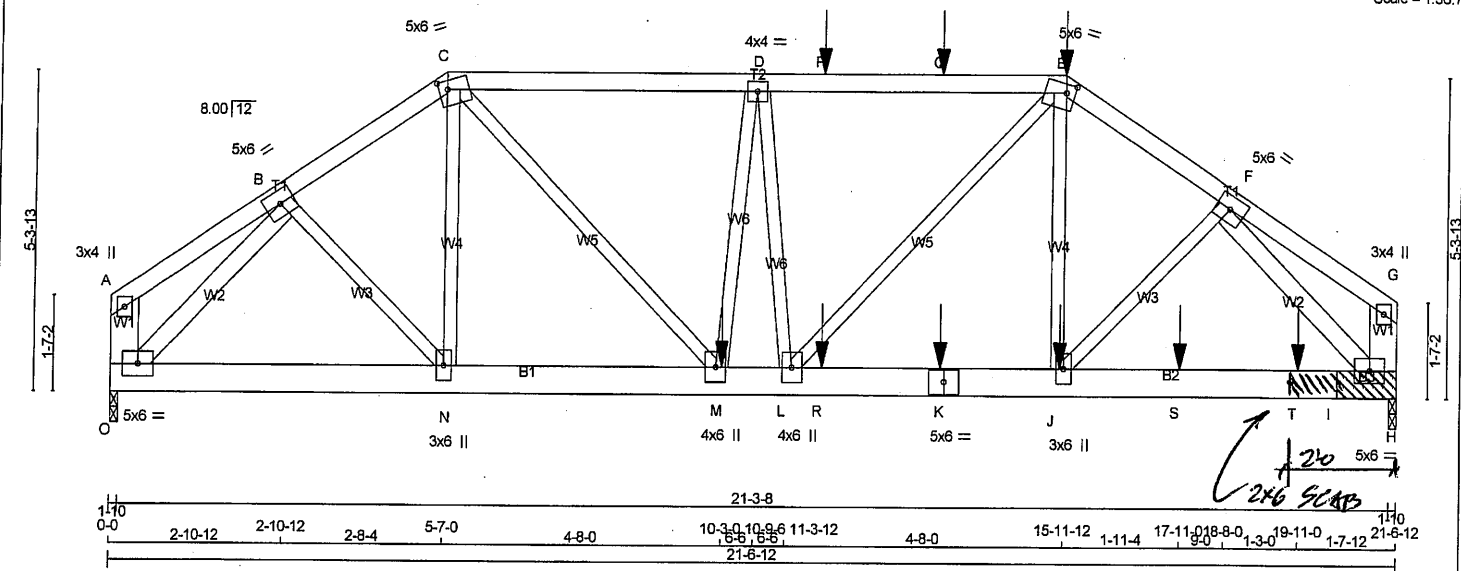
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (E) (INPUT = 0.90)
JSI METAL= 0.39 (A) (INPUT = 1.00)



DRWG NO. TAM **71612223**
STRUCTURAL
FOR PERMIT ONLY



LUMBER				
N. L. G. A. RULES	SIZE	LUMBER	DESCR.	
A - C	2x4	DRY	2100F 1.8E	SPF
C - E	2x4	DRY	2100F 1.8E	SPF
E - G	2x4	DRY	2100F 1.8E	SPF
O - A	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
K - H	2x6	DRY	No.2	SPF

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	TOP
C-E	12	SIDE(65.9)
E-G	12	SIDE(65.9)
O-A	2	TOP
H-G	2	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
O-K	2	SIDE(183.1)
K-H	2	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
M-D	1	SIDE(265.5)
2x4	1	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
A	TMV+p	MT20	3.0	4.0
B	TMVW+t	MT20	5.0	6.0
C	TTVVW-m	MT20	5.0	6.0 1.75 1.75
D	TMVW+t	MT20	4.0	4.0
E	TTVVW-m	MT20	5.0	6.0 1.75 1.75
F	TMVW+t	MT20	5.0	6.0
G	TMV+p	MT20	3.0	4.0
H	BMVWV-t	MT20	5.0	6.0
J	BMVWV+t	MT20	3.0	6.0
K	BS-t	MT20	5.0	6.0
L	BMVWV+t	MT20	4.0	6.0
M	BMVWV+t	MT20	4.0	6.0
N	BMVWV+t	MT20	3.0	6.0
O	BMVWV-t	MT20	5.0	6.0

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

FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
H	3190	0	3190	0	1-10	1-10 & BLOCK	
O	2853	0	2853	0	1-10	1-10	

UNFACTORED REACTIONS		MAX./MIN. COMPONENT REACTIONS					
1ST LCASE		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT COMBINED							
H	2521	1460 / 0	435 / 0	0 / 0	0 / 0	626 / 0	0 / 0
O	2237	1323 / 0	365 / 0	0 / 0	0 / 0	548 / 0	0 / 0

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

2x6 DRY SPF No.2. BEARING BLOCK ²⁴ LONG AT JT. H 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 = 5.22 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED		FACTORED		MAX.		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX. (PLF)	MAX. (LC)	UNBRAC	LENGTH	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LC)
FR-TO		FROM	TO					FR-TO			
A-B	0 / 16	-124.4	-124.4	0.04 (1)	10.00	N-C	-137 / 103	0.03 (1)			
B-C	-3368 / 0	-124.4	-124.4	0.06 (1)	6.03	J-E	-135 / 259	0.04 (3)			
C-D	-4300 / 0	-124.4	-124.4	0.29 (1)	5.22	M-D	-101 / 24	0.02 (1)			
D-P	-4230 / 0	-124.4	-124.4	0.29 (1)	5.25	D-L	-894 / 0	0.18 (1)			
P-Q	-4230 / 0	-124.4	-124.4	0.29 (1)	5.25	C-M	0 / 2216	0.27 (1)			
Q-E	-4230 / 0	-124.4	-124.4	0.29 (1)	5.25	L-E	0 / 1662	0.21 (1)			
E-F	-3741 / 0	-124.4	-124.4	0.08 (1)	5.79	B-N	0 / 522	0.08 (1)			
F-G	0 / 15	-124.4	-124.4	0.04 (1)	10.00	O-B	-3591 / 0	0.35 (1)			
O-A	-144 / 0	0.0	0.0	0.01 (1)	7.81	J-F	0 / 613	0.08 (1)			
H-G	-145 / 0	0.0	0.0	0.01 (1)	7.81	F-H	-3958 / 0	0.38 (1)			
O-N	0 / 2422	-28.0	-28.0	0.20 (1)	10.00						
N-M	0 / 2780	-28.0	-28.0	0.26 (1)	10.00						
M-L	0 / 4313	-28.0	-28.0	0.36 (1)	10.00						
L-R	0 / 3090	-28.0	-28.0	0.25 (1)	10.00						
R-K	0 / 3090	-28.0	-28.0	0.25 (1)	10.00						
K-J	0 / 3090	-28.0	-28.0	0.25 (1)	10.00						
J-S	0 / 2669	-28.0	-28.0	0.23 (1)	10.00						
S-T	0 / 2669	-28.0	-28.0	0.23 (1)	10.00						
T-I	0 / 2669	-28.0	-28.0	0.23 (1)	10.00						
I-H	0 / 2669	-28.0	-28.0	0.23 (1)	10.00						

SPECIFIED CONCENTRATED LOADS (LBS)		MAX.		FACE		DIR.		TYPE	
JT	LOC.	LC1	MAX-	MAX+	FRONT	VERT		TOTAL	
E	15-11-12	-353	-353		FRONT	VERT		TOTAL	
J	15-11-0	-51	-51		FRONT	VERT		TOTAL	
K	13-11-0	-51	-51		FRONT	VERT		TOTAL	
M	10-3-0	-1321	-1321		FRONT	VERT		TOTAL	
P	11-11-0	-103	-103		FRONT	VERT		TOTAL	
Q	13-11-0	-103	-103		FRONT	VERT		TOTAL	
R	11-11-0	-51	-51		FRONT	VERT		TOTAL	
S	17-11-0	-51	-51		FRONT	VERT		TOTAL	
T	19-11-0	-73	-73		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, 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 (0.72")

CALCULATED VERT. DEFL.(LL) = L/999 (0.05")

ALLOWABLE DEFL.(TL)= L/360 (0.72")

CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.29/1.00 (C-D:1), BC=0.36/1.00 (L-M:1), WB=0.38/1.00 (F-H:1), SI=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	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= 0.87 (E) (INPUT = 0.90)

JSI METAL= 0.49 (B) (INPUT = 1.00)

JOB NAME 290538	TRUSS NAME T28	QUANTITY 1	PLY 2	JOB DESC. 45246 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 08:17:02 2018 Page 2
ID:CdaYykWbz8eaoGptSf3QO0yLElx-utJ2FgCSD072K4dEbRFI3oVi9LXIB OTWJcgm6yNJ1?

HANGERS NOTES

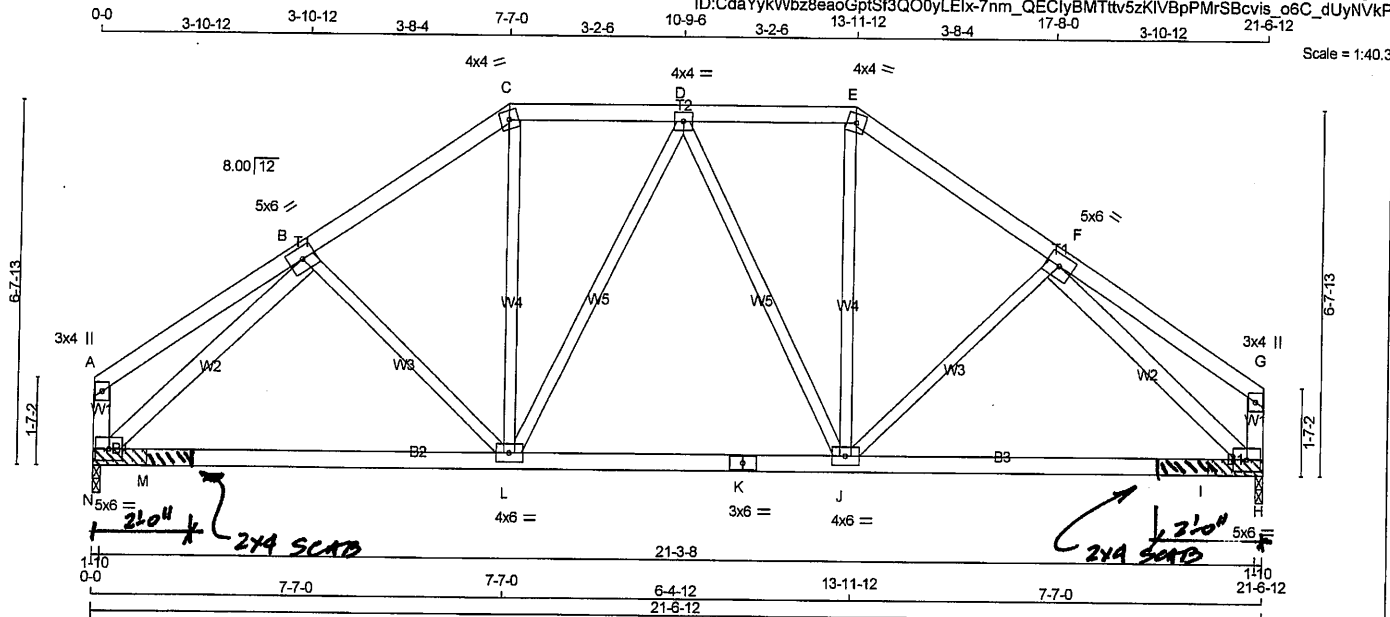
- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 149.7 lbs FACTORED DOWN AT 11-11-0, AND 149.7 lbs FACTORED DOWN AT 13-11-0, AND 503.1 lbs FACTORED DOWN AT 15-11-12 ON TOP CHORD, AND 1719.7 lbs FACTORED DOWN AT 10-3-0, 71.7 lbs FACTORED DOWN AT 11-11-0, 71.7 lbs FACTORED DOWN AT 13-11-0, 71.7 lbs FACTORED DOWN AT 15-11-0, AND 71.7 lbs FACTORED DOWN AT 17-11-0, AND 88.7 lbs FACTORED DOWN AT 19-11-0 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

JOB NAME 290538	TRUSS NAME T29	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 Mitek Industries, Inc. Thu Nov 1 17:49:24 2018 Page 1

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TOTAL WEIGHT = 99 lb

LUMBER

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

DRY: SEASONED LUMBER.

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

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	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) N, H

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.

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. ^{14"} NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 30	-124.4	-124.4	0.28 (1)	10.00	B-L	-104 / 80 0.05 (1)
B-C	-1584 / 0	-124.4	-124.4	0.24 (1)	5.00	L-C	0 / 521 0.12 (1)
C-D	-1299 / 0	-124.4	-124.4	0.16 (1)	5.50	L-D	-263 / 0 0.25 (1)
D-E	-1299 / 0	-124.4	-124.4	0.16 (1)	5.50	D-J	-263 / 0 0.25 (1)
E-F	-1584 / 0	-124.4	-124.4	0.24 (1)	5.00	J-E	0 / 521 0.12 (1)
F-G	0 / 30	-124.4	-124.4	0.28 (1)	10.00	J-F	-104 / 80 0.05 (1)
N-A	-182 / 0	0.0	0.0	0.02 (1)	7.81	N-B	-1935 / 0 0.64 (1)
H-G	-182 / 0	0.0	0.0	0.02 (1)	7.81	F-H	-1935 / 0 0.64 (1)
N-M	0 / 1366	-28.0	-28.0	0.48 (2)	10.00		
M-L	0 / 1366	-28.0	-28.0	0.48 (2)	10.00		
L-K	0 / 1414	-28.0	-28.0	0.49 (2)	10.00		
K-J	0 / 1414	-28.0	-28.0	0.49 (2)	10.00		
J-I	0 / 1366	-28.0	-28.0	0.48 (2)	10.00		
I-H	0 / 1366	-28.0	-28.0	0.48 (2)	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 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (0.72")
CALCULATED VERT. DEFL.(TL) = L/999 (0.15")

CSI: TC=0.28/1.00 (F-G-1), BC=0.49/1.00 (J-L-2), WB=0.64/1.00 (F-H-1), SSI=0.19/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

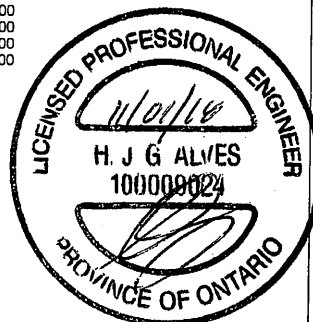
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	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= 0.76 (B) (INPUT = 0.90)
JSI METAL= 0.47 (B) (INPUT = 1.00)



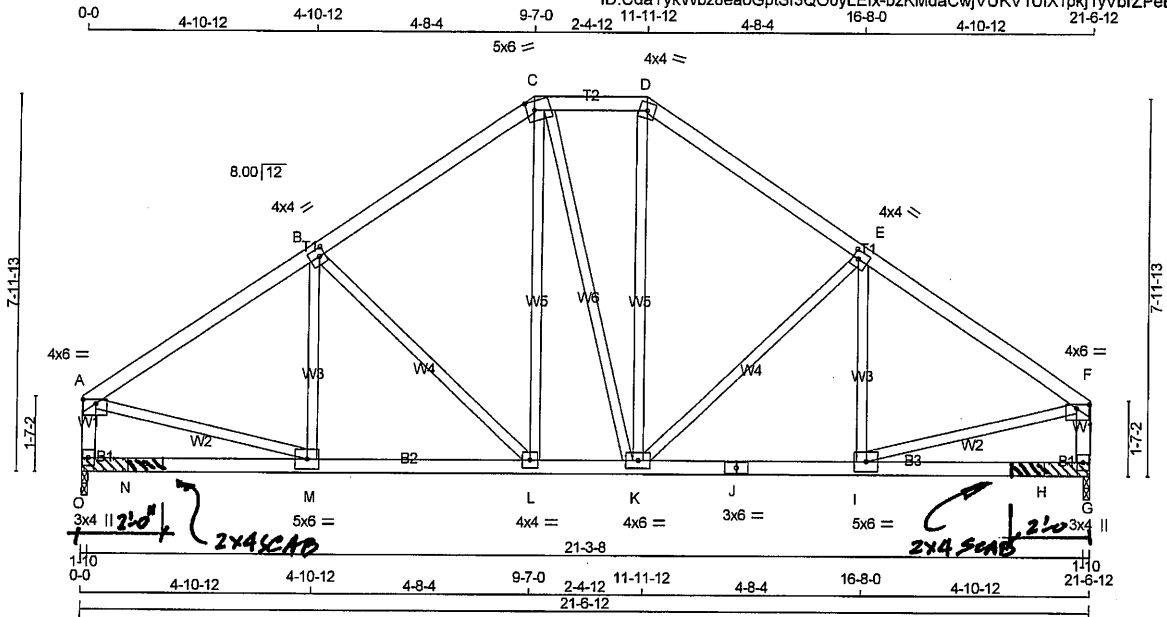
DRWG NO. TAM **11512226**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T30	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Thu Nov 1 17:49:25 2018 Page 1

ID: CdaYykWbz8eaoGptSf3Q00yLElx-bzKMdaCwjVUKV1UIX1pkj1yVbrZPeEf81mxY9wyNVkO



Scale = 1:46.8

TOTAL WEIGHT = 102 lb [M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	DESCR.
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
O - A	2x4	DRY	No.2
G - F	2x4	DRY	No.2
O - J	2x4	DRY	No.2
J - G	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

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

BUILDING DESIGNER

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	1300	750 / 0	226 / 0	0 / 0	0 / 0	0 / 0
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. ^{14"} NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.64 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	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	MAX.
MEMB.	FORCE	(PLF)	(LBS)	(LC)	(LC)	UNBRAC	FORCE	FORCE	CS (LC)
FR-TO	FR-TO	FROM	TO	CS (LC)	UNBRAC	LENGTH	FR-TO	FR-TO	CS (LC)
A-B	-1714 / 0	-124.4	-124.4	0.41 (1)	4.64	M-B	-224 / 107	0.08 (1)	
B-C	-1409 / 0	-124.4	-124.4	0.39 (1)	5.04	B-L	-442 / 0	0.35 (1)	
C-D	-1145 / 0	-124.4	-124.4	0.10 (1)	5.84	L-C	0 / 387	0.09 (1)	
D-E	-1412 / 0	-124.4	-124.4	0.39 (1)	5.04	C-K	0 / 7	0.00 (1)	
E-F	-1713 / 0	-124.4	-124.4	0.41 (1)	4.64	K-D	0 / 395	0.09 (1)	
O-A	-1586 / 0	0.0	0.0	0.17 (1)	6.55	K-E	-438 / 0	0.35 (1)	
G-F	-1586 / 0	0.0	0.0	0.17 (1)	6.55	E-I	-229 / 103	0.08 (1)	
						I-F	0 / 1507	0.34 (1)	
							0 / 1506	0.34 (1)	
O-N	0 / 0	-28.0	-28.0	0.18 (3)	10.00				
N-M	0 / 0	-28.0	-28.0	0.18 (3)	10.00				
M-L	0 / 1458	-28.0	-28.0	0.32 (2)	10.00				
L-K	0 / 1143	-28.0	-28.0	0.24 (1)	10.00				
K-J	0 / 1457	-28.0	-28.0	0.32 (2)	10.00				
J-I	0 / 1457	-28.0	-28.0	0.32 (2)	10.00				
I-H	0 / 0	-28.0	-28.0	0.18 (3)	10.00				
H-G	0 / 0	-28.0	-28.0	0.18 (3)	10.00				

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-v	MT20	4.0	4.0	2.00	1.50
C	TTWV-m	MT20	5.0	6.0	2.25	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0	2.00	1.50
F	TMVW-p	MT20	4.0	6.0	1.00	3.25
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-v	MT20	4.0	6.0		
L	BMVW-t	MT20	4.0	4.0		
M	BMVW-t	MT20	5.0	6.0		
O	BMV1+p	MT20	3.0	4.0		

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) = $L/999$ (0.05")
ALLOWABLE DEFL.(TL) = $L/360$ (0.72")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.09")
CSI: TC=0.41/1.00 (A-B:1), BC=0.32/1.00 (L-M:2),
WB=0.35/1.00 (B-L:1), SSI=0.24/1.00 (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.

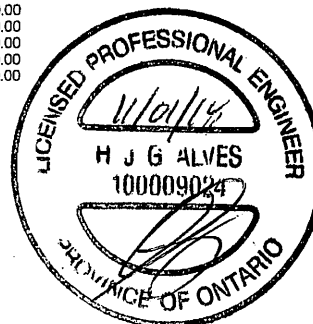
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

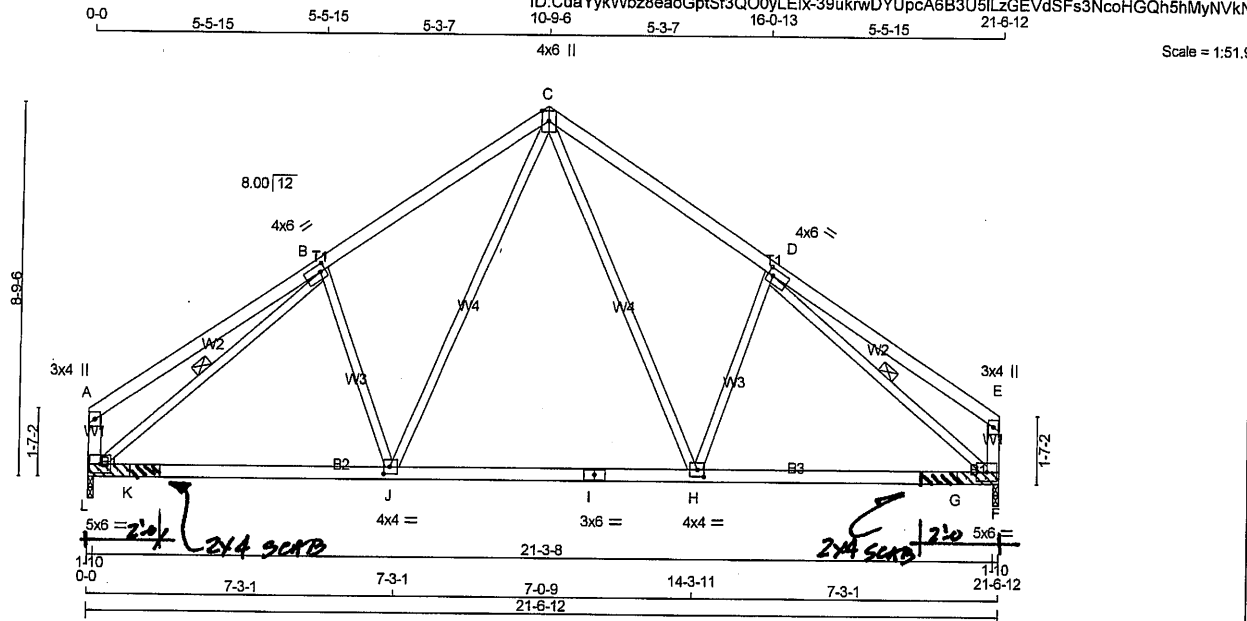
JSI GRIP= 0.82 (A) (INPUT = 0.90)
JSI METAL= 0.44 (J) (INPUT = 1.00)



DRWG NO. TAM 17812227
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T31	QUANTITY 1	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					

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 ID: CdaYykWbz8eaoGptSf3Q00yLEix-39ukrwDYUpca6B3U5ILzGEVdSfS3NcoHGQh5hMyNVkN



LUMBER			
N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS			
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
L - A	2x4	DRY	No.2
F - E	2x4	DRY	No.2
L - I	2x4	DRY	No.2
I - F	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMV+p	MT20	3.0	4.0	
B	TMVWV-t	MT20	4.0	6.0	2.00 1.50
C	TTWVW+p	MT20	4.0	6.0	Edge
D	TMVWV-t	MT20	4.0	6.0	2.00 1.50
E	TMV+p	MT20	3.0	4.0	
F	BMVWV-t	MT20	5.0	6.0	
H	BMVWV-t	MT20	4.0	4.0	2.00 1.75
I	BS-t	MT20	3.0	6.0	
J	BMVWV-t	MT20	4.0	4.0	2.00 1.75
L	BMVWV-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	REQRD BRG
JT	VERT	HORZ	DOWN	UP	IN-SX
L	1643	0	1643	0	1-10
F	1643	0	1643	0	1-10

UNFACTORED REACTIONS

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

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

2x4 DRY SPF No.2 BEARING BLOCK 24" LONG AT JT. L 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. F 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 = 4.62 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 B-L, D-F.

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 VERT. LOAD (LC) (1)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC) (1)	
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0/44	-124.4	-124.4	C-H	0/661	0.15	(1)
B-C	-1605/0	-124.4	-124.4	H-D	-416/14	0.19	(1)
C-D	-1605/0	-124.4	-124.4	J-C	0/661	0.15	(1)
D-E	0/44	-124.4	-124.4	B-J	-416/14	0.19	(1)
L-A	-254/0	0.0	0.0	L-B	-1949/0	0.68	(1)
F-E	-254/0	0.0	0.0	D-F	-1949/0	0.68	(1)
L-K	0/1446	-28.0	-28.0				
K-J	0/1446	-28.0	-28.0				
J-I	0/1041	-28.0	-28.0				
I-H	0/1041	-28.0	-28.0				
H-G	0/1446	-28.0	-28.0				
G-F	0/1446	-28.0	-28.0				

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, CBC 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 (0.19")

CSI: TC=0.59/1.00 (A-B-1), BC=0.49/1.00 (J-L-2), WB=0.68/1.00 (B-L-1), SSI=0.27/1.00 (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.

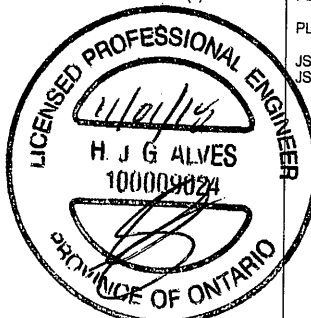
NAIL VALUES

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= 0.86 (J) (INPUT = 0.90)
 JSI METAL= 0.51 (D) (INPUT = 1.00)



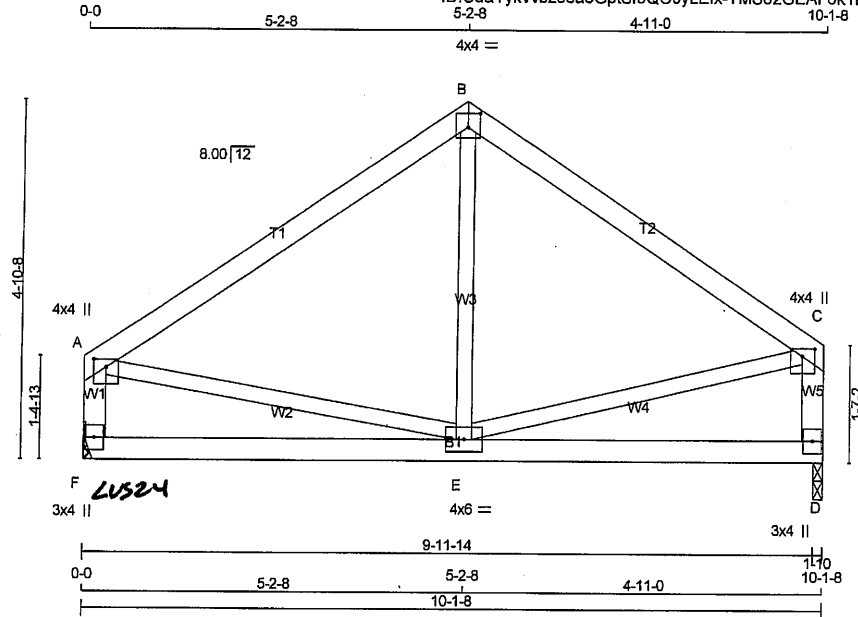
DRWG NO. TAM T1612228
 STRUCTURAL
 COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T32A	QUANTITY 3	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:30.0

**LUMBER**

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

DESCR.	SPF	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT		VERT	HORZ	DOWN	HORZ
F	771	0	771	0	0
D	771	0	771	0	0

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT F.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
F	610	352 / 0	106 / 0	0 / 0	152 / 0	0 / 0
D	610	352 / 0	106 / 0	0 / 0	152 / 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 = 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	MAX. UNBRACED LENGTH	FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	FR-TO
A-B	-537 / 0	-124.4	-124.4	0.44 (1)	6.25	E-B	-34 / 202	0.05 (3)			
B-C	-537 / 0	-124.4	-124.4	0.39 (1)	6.25	A-E	0 / 456	0.10 (1)			
F-A	-714 / 0	0.0	0.0	0.07 (1)	7.81	E-C	0 / 461	0.10 (1)			
D-C	-719 / 0	0.0	0.0	0.08 (1)	7.81						
F-E	0 / 0	-28.0	-28.0	0.23 (3)	10.00						
E-D	0 / 0	-28.0	-28.0	0.23 (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) = $L/360$ (0.34")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.34")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.04")CSI: TC=0.44/1.00 (A-B-1), BC=0.23/1.00 (E-F-3),
WB=0.10/1.00 (C-E-1), SSI=0.21/1.00 (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 1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

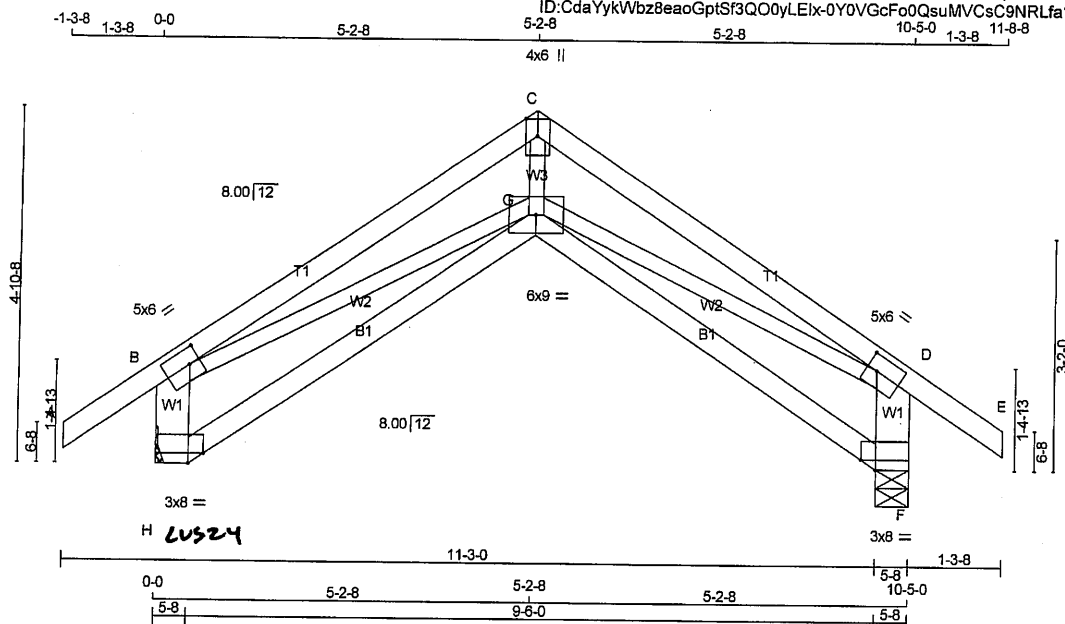
JSI GRIP= 0.67 (E) (INPUT = 0.90)
JSI METAL= 0.17 (A) (INPUT = 1.00)DWG NO. TAM 11812229
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T32S	QUANTITY 3	PLY 1	JOB DESC. 45246	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.210 S May 18 2018 MTek Industries, Inc. Thu Nov 1 17:49:28 2018 Page 1

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Scale = 1:30.3



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
H - B	2x6	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - D	2x6	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	1.75
C	TTVW+p	MT20	4.0	6.0	Edge	
D	TMVW-t	MT20	5.0	6.0	2.50	1.75
F	BVM1-p	MT20	3.0	8.0	Edge	2.50
G	BBVWWV-p	MT20	6.0	9.0		
H	BVM1-p	MT20	3.0	8.0	Edge	2.50

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
H	964	0	0	0
F	964	0	0	0

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT H.

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	746	458 / 0	109 / 0	0 / 0	0 / 0	178 / 0	0 / 0
F	746	458 / 0	109 / 0	0 / 0	0 / 0	178 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.40 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 (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. (LC)
FR-TO						FR-TO			
H-B	-891 / 0	0.0	0.0	0.06 (1)	7.81	G-C	0 / 1384	0.31 (1)	
A-B	0 / 47	-124.4	-124.4	0.17 (1)	10.00	G-D	0 / 1645	0.37 (1)	
B-C	-1832 / 0	-124.4	-124.4	0.49 (1)	4.40	B-G	0 / 1645	0.37 (1)	
C-D	-1832 / 0	-124.4	-124.4	0.49 (1)	4.40				
D-E	0 / 47	-124.4	-124.4	0.17 (1)	10.00				
F-D	-891 / 0	0.0	0.0	0.06 (1)	7.81				
H-G	0 / 0	-28.0	-28.0	0.25 (3)	10.00				
G-F	0 / 0	-28.0	-28.0	0.25 (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

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) = $L/380$ (0.35")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.10")
ALLOWABLE DEFL. (TL) = $L/360$ (0.35")
CALCULATED VERT. DEFL. (TL) = $L/728$ (0.17")

CSI: TC=0.49/1.00 (B-C:1), BC=0.25/1.00 (G-H:3),
WB=0.37/1.00 (D-G:1), SSI=0.21/1.00 (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.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.53 (B) (INPUT = 1.00)



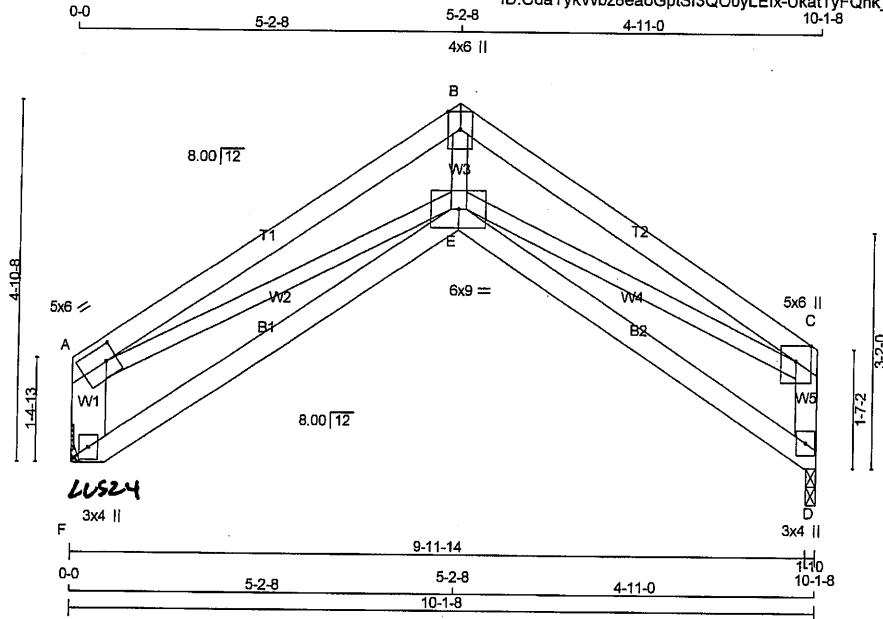
DRWG NO. TAM **11812230**
STRUCTURAL
COMPONENT ONLY

JOB NAME 290538	TRUSS NAME T32SA	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MITek Industries, Inc. Thu Nov 1 17:49:29 2018 Page 1
ID: CdaYykWbz8eaoGptSf3QO0yLElx-UkatYFQnk_lzen3mtugut7AMTyYa1fyOvllhyNVkK
10-1-8

Scale = 1:29.8



TOTAL WEIGHT = 41 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
F - A	2x6 DRY	No.2	SPF
A - B	2x4 DRY	No.2	SPF
B - C	2x4 DRY	No.2	SPF
D - C	2x4 DRY	No.2	SPF
F - E	2x4 DRY	No.2	SPF
E - D	2x4 DRY	No.2	SPF
ALL WEBS	2x3 DRY	No.2	SPF
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW-1	MT20	5.0	6.0	2.50 1.75
B	TTW+p	MT20	4.0	6.0	Edge
C	TMVW+p	MT20	5.0	6.0	Edge
D	BMV1+p	MT20	3.0	4.0	
E	BBVWV+p	MT20	6.0	9.0	
F	BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORZ	BRG	BRG	IN-SX	IN-SX
F	771	0	771	0	0	MECHANICAL	MECHANICAL	1-10	1-10
D	771	0	771	0	0	1-10	1-10		

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT F.

UNFACTORED REACTIONS

JT	COMBINED	MAX./MIN. COMPONENT REACTIONS				
		1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND
F	610	352 / 0	106 / 0	0 / 0	0 / 0	152 / 0
D	610	352 / 0	106 / 0	0 / 0	0 / 0	152 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.51 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

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. UNBRACED LENGTH	MAX. LC1 MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
F-A	-698 / 0	0.0	0.0 0.05 (1)	7.81	A-E	0 / 1553	0.35 (1)
A-B	-1729 / 0	-124.4	-124.4 0.49 (1)	4.51	E-B	0 / 1289	0.29 (1)
B-C	-1729 / 0	-124.4	-124.4 0.43 (1)	4.59	E-C	0 / 1545	0.35 (1)
D-C	-703 / 0	0.0	0.0 0.07 (1)	7.81			
F-E	0 / 0	-28.0	-28.0 0.25 (3)	10.00			
E-D	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 (0.34")
CALCULATED VERT. DEFL.(LL) = L/999 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.34")
CALCULATED VERT. DEFL.(TL) = L/771 (0.16")

CSI: TC=0.49/1.00 (A-B:1), BC=0.25/1.00 (E-F:3), WB=0.35/1.00 (A-E:1), SS=0.21/1.00 (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

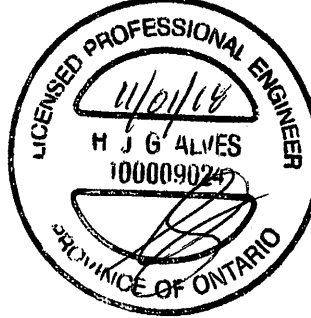
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

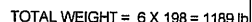
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (A) (INPUT = 0.90)
JSI METAL= 0.48 (A) (INPUT = 1.00)



DRWG NO. TAM 11812231
STRUCTURAL
COMPONENT ONLY

Scale = 1:70:



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

DWG NO. TAM T18/2232
STRUCTURAL
COMPONENT ONLY

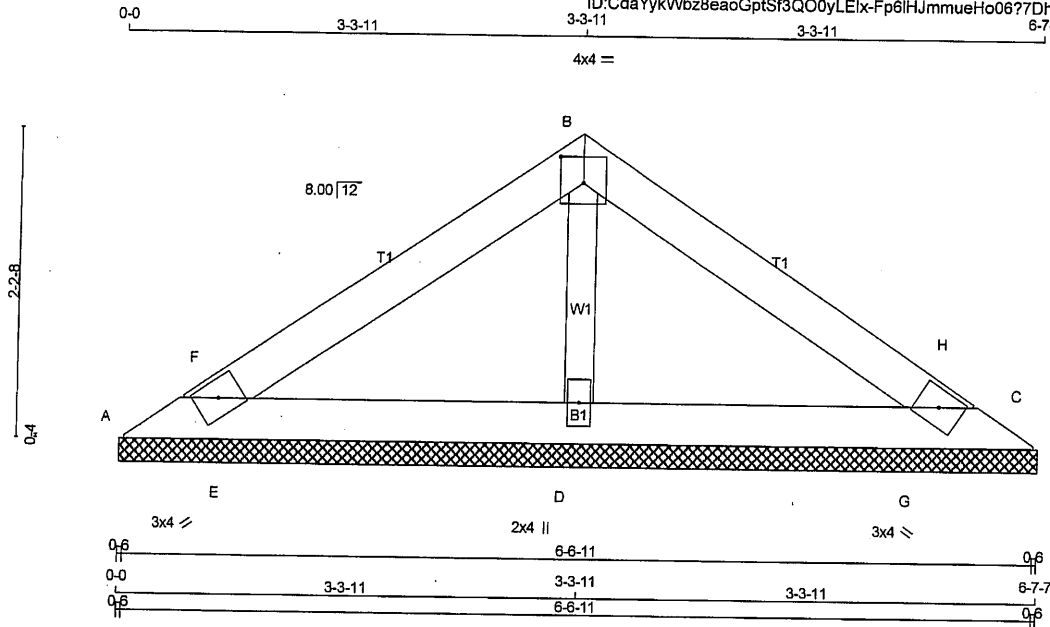
JOB NAME 290538	TRUSS NAME V44	QUANTITY 1	PLY 1	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:50:11 2018 Page 1

ID: CdaYkWBzBeaoGptSf3Q00yLElx-Fp6IHJmmueHo0677DheWbjsQtOI9Q5Cvcw4_mFyNVJg

Scale = 1:15.8



TOTAL WEIGHT = 17 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - B 2x4 DRY

B - C 2x4 DRY

A - C 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

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
A	107	0	107	0
C	107	0	107	0
D	785	0	785	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	84	50 / 0	14 / 0	0 / 0	0 / 0	21 / 0	0 / 0
C	84	50 / 0	14 / 0	0 / 0	0 / 0	21 / 0	0 / 0
D	623	357 / 0	110 / 0	0 / 0	0 / 0	156 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 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 (LC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC)
FR-TO					FR-TO			
A-F	0 / 226	-124.4	-124.4	0.05 (1)	D-B	-562 / 0	0.08 (1)	
F-B	0 / 235	-124.4	-124.4	0.16 (1)	E-F	-187 / 4	0.00 (1)	
B-H	0 / 235	-124.4	-124.4	0.16 (1)	G-H	-187 / 4	0.00 (1)	
H-C	0 / 226	-124.4	-124.4	0.05 (1)				
A-E	-223 / 0	-28.0	-28.0	0.13 (1)				
E-D	-198 / 0	-28.0	-28.0	0.13 (1)				
D-G	-198 / 0	-28.0	-28.0	0.13 (1)				
G-C	-223 / 0	-28.0	-28.0	0.13 (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

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=0.18/1.00 (B-H:1), BC=0.13/1.00 (D-E:1), WB=0.09/1.00 (B-D:1), SSI=0.10/1.00 (B-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= 0.47 (B) (INPUT = 0.90)

JSI METAL= 0.12 (B) (INPUT = 1.00)

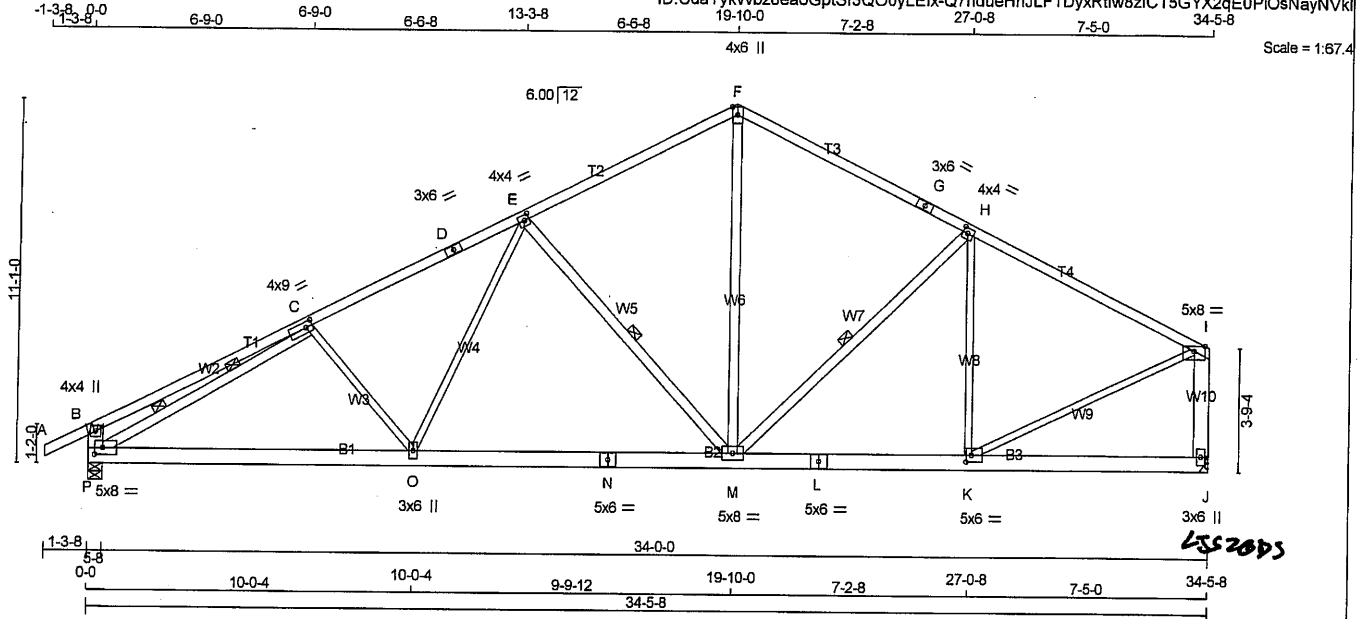


DRWG NO. TAM 11612233
STRUCTURAL
COMMON ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	45246	DRWG NO.
290538	T41A	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:31 2018 Page 1
ID: CdaYkWbz8eaoGptSf3QO0yLEix-Q7hduHhJLFTDyxRtlw8zICT5GYX2qE0PiOsNayNVkl



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	2100F 1.8E	SPF	
D - F	2x4	DRY	2100F 1.8E	SPF	
F - G	2x4	DRY	2100F 1.8E	SPF	
G - I	2x4	DRY	2100F 1.8E	SPF	
P - B	2x6	DRY	No.2	SPF	
J - I	2x6	DRY	No.2	SPF	
P - N	2x6	DRY	No.2	SPF	
N - L	2x6	DRY	No.2	SPF	
L - J	2x6	DRY	No.2	SPF	

ALL WEBS EXCEPT	SIZE	DRY	LUMBER	DESCR.
E - M	2x4	DRY	No.2	SPF
M - F	2x4	DRY	No.2	SPF
M - H	2x4	DRY	No.2	SPF
P - 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	4.0	4.0		
C	TMWW-t	MT20	4.0	9.0	2.00	2.50
D	TS-t	MT20	3.0	6.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.75
F	TTW+p	MT20	4.0	6.0	Edge	
G	TS-t	MT20	3.0	6.0		
H	TMWW-t	MT20	4.0	4.0	2.00	1.75
I	TMVV-p	MT20	5.0	8.0	Edge	
J	BMV1+p	MT20	3.0	6.0		
K	BMWW-t	MT20	5.0	6.0	2.50	2.00
L	BS-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	8.0		
N	BS-t	MT20	5.0	6.0		
O	BMWW-t	MT20	3.0	6.0		
P	BMVV-t	MT20	5.0	8.0	2.50	3.00

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	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
P	2794	0	2794	0	5-8	5-8
J	2625	0	2625	0	MECHANICAL	

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT J.

UNFACTORED REACTIONS

JT	1ST LCASE		MAX / MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
P	2194	1293 / 0	362 / 0	0 / 0	0 / 0	539 / 0	0 / 0
J	2078	1199 / 0	362 / 0	0 / 0	0 / 0	517 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 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.

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

2 LATERAL BRACE(S) AT 1/3 LENGTH OF C-P.

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

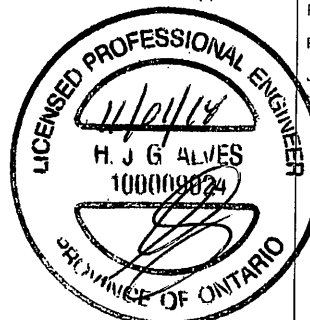
LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 / 38	-124.4	-124.4	0.11 (1)	10.00	C-O	-450 / 32	0.21 (1)	
B-C	0 / 35	-124.4	-124.4	0.46 (1)	10.00	O-E	0 / 714	0.16 (1)	
C-D	-3617 / 0	-124.4	-124.4	0.50 (1)	4.11	E-M	-1308 / 0	0.65 (1)	
D-E	-3617 / 0	-124.4	-124.4	0.50 (1)	4.11	M-F	0 / 1422	0.23 (1)	
E-F	-2365 / 0	-124.4	-124.4	0.46 (1)	4.85	M-H	-284 / 0	0.15 (1)	
F-G	-2379 / 0	-124.4	-124.4	0.64 (1)	4.53	K-H	-831 / 0	0.79 (1)	
G-H	-2379 / 0	-124.4	-124.4	0.64 (1)	4.53	P-C	-4138 / 0	0.65 (1)	
H-I	-2506 / 0	-124.4	-124.4	0.66 (1)	4.41	K-I	0 / 2511	0.57 (1)	
P-B	-504 / 0	0.0	0.0	0.03 (1)	7.81				
J-I	-2535 / 0	0.0	0.0	0.36 (1)	6.51				
P-O	0 / 3523	-28.0	-28.0	0.60 (2)	10.00				
O-N	0 / 2948	-28.0	-28.0	0.55 (2)	10.00				
N-M	0 / 2948	-28.0	-28.0	0.55 (2)	10.00				
M-L	0 / 2285	-28.0	-28.0	0.38 (1)	10.00				
L-K	0 / 2285	-28.0	-28.0	0.38 (1)	10.00				
K-J	0 / 0	-28.0	-28.0	0.17 (3)	10.00				

ENSENED PROFESSION

11/24/18



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 (1.15")

CALCULATED VERT. DEFL. (LL) = L/999 (0.17")

ALLOWABLE DEFL. (TL) = L/360 (1.15")

CALCULATED VERT. DEFL. (TL) = L/999 (0.28")

CSI: TC=0.66/1.00 (H-I:1), BC=0.60/1.00 (O-P:2),

WB=0.79/1.00 (H-K:1), SSI=0.40/1.00 (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 HEELS OFF

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

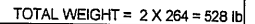
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (C) (INPUT = 0.90)

JSI METAL= 0.67 (C) (INPUT = 1.00)

DRWG NO. TAM 17612234
STRUCTURAL
COMPONENT ONLY

-1-3-8 0-0 5-0-4 5-0-4 7-4-14 12-5-2 7-4-14 19-10-0 7-4-14 27-2-14 7-4-14 34-7-12 5-0-4 39-0-40-11-8
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 5v6 11
 Scale = 1:70.3



CONTINUED ON

JOB NAME 290538	TRUSS NAME T42	QUANTITY 1	PLY 2	JOB DESC. 45246	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Thu Nov 1 17:49:32 2018 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
L	BMW+w	MT20	4.0	12.0		
M	BMWW-t	MT20	6.0	9.0		
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BS-t	MT20	6.0	9.0		
Q	BMWW-t	MT20	6.0	9.0		
R	BMW+w	MT20	4.0	12.0		

HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 6269.7 lbs FACTORED DOWN AT 34-7-12, AND 743.4 lbs FACTORED DOWN AT 36-9-4, AND 744.9 lbs FACTORED DOWN AT 38-9-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



DWG NO. TAM **T1812235**
STRUCTURAL
COMPONENT ONLY **3/2**