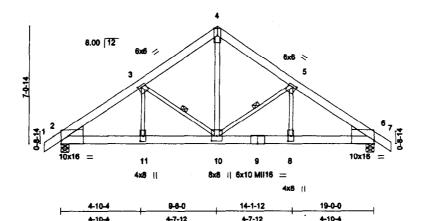
Qty Ply Job Truss Type Truss U1027506 2 985R G1 **ROOF TRUSS** (optional)

Timber Top Trusses Ltd., Limestone, ME, 04750, MITek Industries, Inc. 4.201 SR1 s Nov 16 2000 MITek Industries, Inc. Thu Jun 26 10:26:08 2003 Page 1



Scale = 1:66.0



| Plate Offse | ts (X,Y): | [2:0-0-1,0-2-5], [3:0-2-8,0-1 | -8], [5:0-2-8,0-1-8], | [6:0-0-1,0-2 | -5], [8:0-2-0,0-3-12 | ?], [10:0-4-0,0-3- | 8], [11:0-2-0 | ,0-3-12] | |
|-------------|-----------|-------------------------------|-----------------------|--------------|----------------------|--------------------|---------------|----------------|---------|
| LOADING | (psf) | SPACING 2- | 0-0 CSI | | DEFL | in (loc) | √defl | PLATES | GRIP |
| TCLL | 56.0 | Piates increase 1 | 1.15 TC | 0.77 | Vert(LL) | -0.23 10-11 | >949 | MII20 | 197/144 |
| TCDL | 10.0 | Lumber increase 1 | 1.15 BC | 0.97 | Vert(TL) | -0.30 10-11 | >730 | MII16 | 182/175 |
| BCLL | 0.0 * | Rep Stress Incr | NO WB | 0.96 | Horz(TL) | 0.12 6 | n/a | | |
| BCDL | 10.0 | Code BOCA/ANSI9 | 5 (Mat | rix) | 1st LC LL Mi | n I/defl = 360 | | Weight: 240 lb | |

LUMBER

2 X 6 SPF 2100F 1.8E

TOP CHORD **BOT CHORD** 2 X 6 LSL Truss Grade

WEBS 2 X 3 SPF 1650F 1.5E *Except*

3-10 2 X 3 SPF No.2, 4-10 2 X 4 SPF 2100F 1.8E

5-10 2 X 3 SPF No.2

WEDGE

Left: 2 X 8 SPF No.2, Right: 2 X 8 SPF No.2

REACTIONS (lb/size) 2=12948/0-6-7 (input: 0-5-8), 6=12948/0-6-7 (input: 0-5-8)

Max Horz 2=-201(load case 4)

Max Uplift 2=-2054(load case 6), 6=-2054(load case 6) Max Grav 2=15018(load case 2), 6=15018(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=54, 2-3=-16463, 3-4=-11430, 4-5=-11430, 5-6=-16463, 6-7=54 2-11=13144, 10-11=13516, 9-10=13516, 8-9=13516, 8-8=13144 **BOT CHORD** WEBS 3-11=5810, 3-10=-4972, 4-10=11674, 5-10=-4972, 5-8=5810

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Design load is based on 56.0 psf specified roof snow load.
- Unbalanced snow loads have been considered for this design.

4) All plates are MII20 plates unless otherwise indicated.

* This truss has been designed for a live load of 20,0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

6) WARNING: Required bearing size at joint(s) 2, 6 greater than input bearing size.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2054 lb uplift at joint 2 and 2054 lb uplift at joint 6.

8) This truss has been designed with ANSI/TPI 1-1995 criteria.

9) 2-ply truss to be connected together with 10d Common(.148"x3") Nails as follows: Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc. Bottom chords connected as follows: 2 X 6 - 3 rows at 0-5-0 oc. Webs connected as follows: 2 X 3 - 1 row at 0-9-0 oc, 2 X 3 - 1 row at 0-9-0 oc.

LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

June 26,2003

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MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 19 FORM AN INTEGRAL PART OF THIS DESIGN. 1, 1997

BRACING

WEBS

TOP CHORD

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 3-10, 5-10

Sheathed or 3-6-12 oc purlins.

| Job | Truss | Trues Type | Qty | Ply | |
|------|-------|------------|-----|-----|------------|
| 985R | G1 | ROOF TRUSS | 1 | 2 | U1027506 |
| | | | | _ | (optional) |

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu Jun 26 10:26:08 2003 Page 2

LOAD CASE(S) Standard

Uniform Loads (pff) Vert: 1-4=-132.0, 4-7=-132.0, 2-6=-1247.1

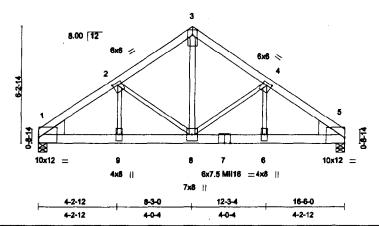


Job Truss Truss Type Ply U1027507 985R G2 **ROOF TRUSS**

Timber Top Trusses Ltd., Limestone, ME, 04750, MITek Industries, Inc. 4.201 SR1 s Nov 16 2000 MITek Industries, Inc. Thu Jun 26 10:32:02 2003 Page 1



Scale = 1:58.8



| Plate Offse | its (X,Y): | [1:0-0-2,0-3-6], [2:0-3-0 |),0-1-12], [3:0 | -3-4,0-2-14 | , [4:0-3-0,0 |)-1-12], [5:0-0-2,0 | 1-3-6] | | | | |
|-------------|------------|---------------------------|-----------------|-------------|--------------|---------------------|-------------|-------|-------|----------------|---------|
| LOADING | (pef) | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | Vdefl | PLATES | GRIP |
| TCLL | 56.0 | Plates Increase | 1.15 | TC | 0.87 | Vert(LL) | -0.20 | 8-9 | >973 | MII20 | 197/144 |
| TCDL | 10.0 | Lumber Increase | 1.15 | BC | 0.83 | Vert(TL) | -0.26 | 8-9 | >748 | MI16 | 127/82 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.94 | Horz(TL) | 0.09 | 5 | n/a | | |
| BCDL | 10.0 | Code BOCA/A | NSI95 | (Matri: | x) | 1st LC LL N | /in Vdefl = | 360 | | Weight: 195 lb | |

BRACING

TOP CHORD

BOT CHORD

Sheathed or 2-10-4 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

2 X 5 SPF 1650F 1.5E

TOP CHORD **BOT CHORD** 2 X 6 LSL Truss Grade

WEBS 2 X 3 SPF 1650F 1.5E "Except"

2-8 2 X 3 SPF No.2, 3-8 2 X 4 SPF 1650F 1.5E

4-8 2 X 3 SPF No.2

WEDGE

Left: 2 X 10 SPF No.2, Right: 2 X 10 SPF No.2

REACTIONS (lb/size) 1=11061/0-5-8, 5=11061/0-5-8

Max Horz 1=-166(load case 4)

Max Uplift 1=-1431 (load case 6), 5=-1431 (load case 6) 1=12818(load case 2), 5=12818(load case 3) Max Grav

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-13987, 2-3=-9728, 3-4=-9728, 4-5=-13987

1-9=11001, 8-9=11296, 7-8=11296, 6-7=11296, 5-6=11001 **BOT CHORD**

2-9=5076, 2-8=-4066, 3-8=9993, 4-8=-4066, 4-6=5076

WEBS NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.

4) All plates are Mil20 plates unless otherwise indicated.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-8-0 between the bottom chord and any other members.

6) WARNING: Required bearing size at joint(s) 1, 5 greater than input bearing size.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1431 ib uplift at joint 1 and 1431 lb uplift at joint 5.

This truss has been designed with ANSI/TPI 1-1995 criteria.

2-ply truss to be connected together with 10d Common(.148"x3") Nails as follows: Top chords connected as follows: 2 X 5 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2 X 6 - 3 rows at 0-5-0 oc. Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 3 - 1 row at 0-9-0 oc, 2 X 3 - 1 row at 0-9-0 oc.

LOAD CASE(S) Standard 1) Snow: Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

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June 26,2003

| Job | Truss | Truss Type | Qty | Ply | U1027507 |
|------|-------|------------|-----|-----|------------|
| 985R | G2 | ROOF TRUSS | 1 | 2 | (optional) |

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MITek Industries, Inc. Thu Jun 26 10:32:02 2003 Page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-132.0, 3-5=-132.0, 1-5=-1247.1





Job Truss Truss Type Qty Ply U1027175 985R GABLE1 **ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:00 2003 Page 1 24-0-0 25-0-0 1-0-0 12-0-0 12-0-0 1-0-0 4×4 = Scale = 1:65.8 10 8.00 12 11 12 13 П 23 18 24 22 3x4 / 3x4 > 5x6 = 24-0-0 24-0-0 Plate Offsets (X,Y): [2:0-0-1,0-3-2], [16:0-0-1,0-3-2], [21:0-3-0,0-3-0]

| LOADIN | iG (psf) | SPACING 2-0-0 | CSI | DEFL in (loc) I/deft | PLATES GRIP |
|--------|----------|----------------------|----------|----------------------------|----------------|
| TCLL | 56.0 | Plates Increase 1.15 | TC 0.22 | Vert(LL) n/a - n/a | Mil20 197/144 |
| TCDL | 10.0 | Lumber increase 1.15 | BC 0.08 | Vert(TL) 0.00 1-2 >999 | |
| BCLL | 0.0 * | Rep Stress Incr NO | WB 0.41 | Horz(TL) 0.01 16 n/a | |
| BCDL | 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min l/defi = 360 | Weight: 106 lb |

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2 **OTHERS**

2 X 3 SPF No.2

SLIDER Left 2 X 4 SPF No.2 1-1-4, Right 2 X 4 SPF No.2 1-1-4 BRACING

TOP CHORD Sheathed or 6-0-0 oc purtins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 9-23

WEBS 1 Row at midpt

REACTIONS (b/size) 2=341/24-0-0, 21=304/24-0-0, 23=240/24-0-0, 24=300/24-0-0, 25=306/24-0-0, 26=302/24-0-0, 27=310/24-0-0, 28=277/24-0-0, 22=299/24-0-0, 20=304/24-0-0, 19=310/24-0-0, 18=276/24-0-0, 16=344/24-0-0

Max Horz2=249(load case 5)

Max Uplifi2=-101(load case 4), 21=-81(load case 6), 24=-69(load case 5), 25=-82(load case 6), 26=-77(load case 5), 27=-70(load case 6), 28=-130(load case 5), 22=-63(load case 4), 20=-74(load case 4), 19=-71(load case 6), 18=-110(load case 4), 16=-41(load case 5)

Max Grav2=385(load case 2), 21=358(load case 3), 23=240(load case 1), 24=371(load case 2), 25=361(load case 2), 26=359(load case 2), 27=366(load case 2), 27=368(load case 3), 28=359(load case 3), 28=359(load

28=334(load case 2), 22=369(load case 3), 20=360(load case 3), 19=366(load case 3), 18=333(load case 3), 16=389(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-177, 3-4=-18, 4-5=-133, 5-6=-136, 6-7=-135, 7-8=-136, 8-9=12, 9-10=-134, 10-11=-136, 11-12=-140,

12-13=-141, 13-14=-137, 14-15=-22, 15-16=-182, 16-17=32

BOT CHORD 2-28=52, 27-28=52, 26-27=52, 25-26=52, 24-25=52, 23-24=52, 22-23=52, 21-22=52, 20-21=56, 19-20=56, 18-19=56,

16-18=56

9-23=-200, 8-24=-260, 7-25=-266, 6-26=-263, 5-27=-269, 4-28=-239, 10-22=-260, 11-21=-264, 12-20=-262, 13-19=-270,

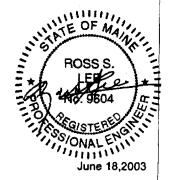
14-18=-238

NOTES

WEBS

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mil from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard Gable End Detail
- 3) All plates are 1x4 MII/20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 2, 81 lb uplift at joint 21, 69 lb uplift at joint 24, 82 lb uplift at joint 25, 77 lb uplift at joint 26, 70 lb uplift at joint 27, 130 lb uplift at joint 28, 63 lb uplift at joint 22, 74 Ib uplift at joint 20, 71 lb uplift at joint 19, 110 lb uplift at joint 18 and 41 lb uplift at joint 16.
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



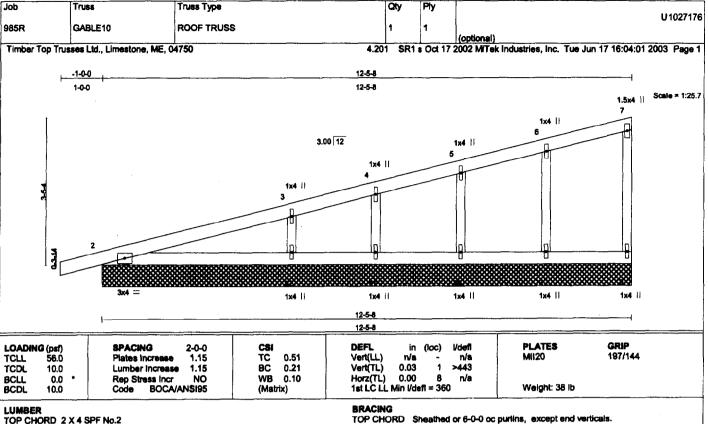
MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



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TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2 WEBS 2 X 3 SPF No.2

OTHERS 2 X 3 SPF No.2

REACTIONS (lb/size) 8=124/12-5-8, 2=428/12-5-8, 9=309/12-5-8, 10=343/12-5-8, 11=140/12-5-8, 12=666/12-5-8

Max Horz2=222(load case 5)

Max Uplifi8=30(load case 5), 2=-108(load case 4), 9=-60(load case 4), 10=-65(load case 4), 11=-34(load case 4), 12=-119(load case 4)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=71, 3-4=-60, 4-5=33, 5-6=-38, 6-7=21, 7-8=-105

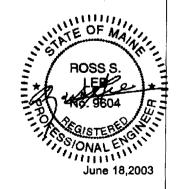
BOT CHORD 2-12=5, 11-12=5, 10-11=5, 9-10=5, 8-9=5

6-9=-273, 5-10=-290, 4-11=-147, 3-12=-533 WEBS

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanine, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cartilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MITek "Standard Gable End Detail"
- Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 to uplift at joint 8, 108 to uplift at joint 8, 108 to uplift at joint 9, 60 lb uplift at joint 9, 65 lb uplift at joint 10, 34 lb uplift at joint 11 and 119 lb uplift at joint 12.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc.



BOT CHORD Rigid calling directly applied or 10-0-0 oc bracing.

Job Truss Truss Type Qty Ply U1027177 985R GABLE2 ROOF TRUSS (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:01 2003 Page 1 4.201 <u>-1-0-0,</u> 10-0-0 1-0-0 10-0-0 3x5 !! Scale = 1:54.5 1x4 || 1x4 || 8.00 12 1x4 || 2x6 || 13 12 11 10

Plate Offsets (X,Y): [2:0-1-1,0-3-8], [8:0-0-0,0-1-3]

| BCDL 10.0 Code BOCA/ANSI95 (Matrix) 1st LC LL Min Vdefi = 360 Weight: 45 lb |
|---|
|---|

1x4 ||

10-0-0

3x4 // 1x4 ||

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WERS 2 X 3 SPE No.2

WEBS 2 X 3 SPF No.2 OTHERS 2 X 3 SPF No.2

SLIDER Left 2 X 4 SPF No.2 1-1-4

BRACING

1x4 ||

1x4 ||

3x5 ||

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt 8-

REACTIONS (lb/size) 9=121/10-0-0, 2=295/10-0-0, 10=320/10-0-0, 11=302/10-0-0, 12=307/10-0-0, 13=292/10-0-0

Max Horz2=482(load case 5)

Max Uplift9=-98(load case 5), 2=-108(load case 4), 10=-66(load case 5), 11=-87(load case 5), 12=-51(load case 5), 13=-171(load case 5)

Max Grav9=143(load case 2), 2=354(load case 2), 10=379(load case 2), 11=358(load case 2), 12=364(load case 2), 13=344(load case 2)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-111, 3-4=65, 4-5=73, 5-6=71, 6-7=72, 7-8=42, 8-9=-103

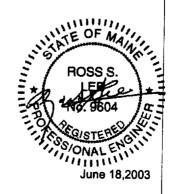
BOT CHORD 2-13=1, 12-13=1, 11-12=1, 10-11=1, 9-10=1

WEBS 7-10=-279, 6-11=-262, 5-12=-267, 4-13=-250

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition i enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 9, 108 lb uplift at joint 12, 66 lb uplift at joint 10, 87 lb uplift at joint 11, 51 lb uplift at joint 12 and 171 lb uplift at joint 13.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qty U1027178 985R **GABLE3 ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:02 2003 Page 1 -1-0-0 11-0-0 10-0-0 1-0-0 5-0-0 5-0-0 1-0-0 4x4 = Scale = 1:32.4 5 1x4 II 8.00 12 1x4 || 1x4 II 1x4 || 3x4 🛷 3x4 > 10-0-0 10-0-0 Plate Offsets (X,Y): [2:0-1-1,0-3-6], [8:0-1-1,0-3-6]

LOADING (psf) GRIP SPACING DEFL **PLATES Vdefi** 197/144 TCLL Plates Increase 1.15 TC 0.23 Vert(LL) n/a n/a MII20 TCDL 10.0 Lumber increase 1.15 BC 0.09 Vert(TL) 0.00 >999 **BCLL** 0.0 Rep Stress Incr NO WB 0.09 Horz(TL) 0.00 n/a 1st LC LL Min Vdefl = 360 Weight: 39 lb BCDL 10.0 Code BOCA/ANSI95 (Matrix)

BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2 OTHERS

Left 2 X 4 SPF No.2 1-8-8, Right 2 X 4 SPF No.2 1-8-8

REACTIONS (lb/size) 2=461/10-0-0, 8=461/10-0-0, 11=76/10-0-0, 12=393/10-0-0, 10=393/10-0-0

Max Horz2=-115(load case 4)

Max Uplif(2=-111(load case 6), 8=-111(load case 6), 12=-114(load case 5), 10=-106(load case 4)
Max Grav2=495(load case 2), 8=495(load case 3), 11=103(load case 6), 12=490(load case 2), 10=490(load case 3)

FORCES (ib) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-313, 3-4=-161, 4-5=-242, 5-6=-242, 6-7=-161, 7-8=-313, 8-9=32

BOT CHORD 2-12=134, 11-12=134, 10-11=134, 8-10=134

5-11=-57, 4-12=-322, 6-10=-322 WEBS

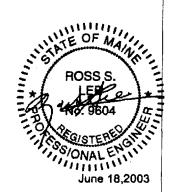
- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 per bottom chord deed load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind.
- If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard." Gable End Detail*
- 3) Gable requires continuous bottom chord bearing.

4) Gable studs spaced at 2-0-0 oc

- 5) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 2, 111 lb uplift at joint 8, 114 lb uplift at joint 12 and 106 lb uplift at joint 10.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type ď U1027179 985R **GABLE4 ROOF TRUSS** Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:03 2003 Page 1 -1-0-0 7-6-0 16-0-0 1-0-0 7-6-0 7-6-0 1-0-0 Scale = 1:44.1 8.00 12 17 16 20 19 18 15 14 3x4 // 3x4 🗢 15-0-0 Plate Offsets (X,Y): [2:0-0-1,0-3-2], [12:0-0-1,0-3-2]

| LOADIN | G (psf) | SPACING 2-0-0 | CSI | DEFL in (loc) I/defl | PLATES GRIP |
|--------|---------|----------------------|----------|---------------------------|---------------|
| TCLL | 56.0 | Plates Increase 1.15 | TC 0.22 | Vert(LL) n/a - n/a | MII20 197/144 |
| TCDL | 10.0 | Lumber Incresse 1.15 | BC 0.06 | Vert(TL) 0.01 1-2 >999 | |
| BCLL | 0.0 | Rep Stress incr NO | WB 0.15 | Horz(TL) 0.00 12 n/a | |
| BCDL | 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min Vdefi = 360 | Weight: 59 lb |

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

OTHERS

2 X 3 SPF No.2

SLIDER Left 2 X 4 SPF No.2 0-9-11; Right 2 X 4 SPF No.2 0-9-11 BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=308/15-0-0, 12=308/15-0-0, 17=252/15-0-0, 18=299/15-0-0, 19=320/15-0-0, 20=218/15-0-0, 16=299/15-0-0, 15=320/15-0-0, 14=218/15-0-0

Max Horz2=163(load case 5)

Max Uplift2=-87(load case 4), 12=-46(load case 5), 18=-75(load case 5), 19=-79(load case 6), 20=-97(load case 5), 16=-72(load case 4), 15=-79(load case 6),

14=-82(load case 4)

Max Grav2=350(load case 2), 12=350(load case 3), 17=252(load case 1), 18=370(load case 2), 19=376(load case 2), 20=265(load case 2), 16=370(load case 3), 15=376(load case 3), 14=265(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-146, 3-4=-77, 4-5=-117, 5-6=-124, 6-7=-122, 7-8=-124, 8-9=-124, 8-10=-117, 10-11=-20, 11-12=-146,

12-13=32

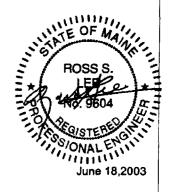
BOT CHORD 2-20=41, 19-20=41, 18-19=41, 17-18=41, 16-17=41, 15-16=41, 14-15=41, 12-14=41

7-17=-212, 6-18=-260, 5-19=-276, 4-20=-198, 8-16=-260, 9-15=-276, 10-14=-198 **WEBS**

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanime, on an occupancy category III. condition I enclosed building. of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see MiTek "Standard Gable End Detail*
- 3) All plates are 1x4 Mil20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 ib uplift at joint 2, 46 ib uplift at joint 12, 75 lb uplift at joint 18, 79 lb uplift at joint 19, 97 lb uplift at joint 20, 72 lb uplift at joint 16, 79 lb uplift at joint 15 and 82 lb uplift at joint 14.
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 19 FORM AN INTEGRAL PART OF THIS DESIGN.





Job Truss Truss Type Qty Plv U1027180 985R GABLE5 **ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:04 2003 Page 1 ₋1-0-0, 4-10-4 B-6-0 19-0-0 20-0-0 1-0-0 4-10-4 4-7-12 1-0-0 4x6 Scale = 1:54.2 8.00 12 2x4 || 2x4 | 10 5x6 3x4 / Sv8 = 3x4 📎 9-6-0 19-0-0

| Plate Offsets (X,Y): [| 2:0-0-7,0-3-14], [8:0-0-7,0-3-14] | | | | |
|--|--|--|---|---|--|
| LOADING (pst) TCLL 56.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING 2-0-0 Plates increase 1.15 Lumber increase 1.15 Rep Stress incr YES Code BOCA/ANSI95 | CSI TC 0.65 BC 0.60 WB 0.54 (Matrix) | DEFL in (loc) Vdefi Vent(LL) -0.06 10 >999 Vent(TL) -0.17 8-10 >999 Horz(TL) 0.04 8 n/a 1st LC LL Min Vdefi = 360 | PLATES GRIP MI120 197/144 Weight: 93 lb | |

BRACING

9-6-0

TOP CHORD Sheathed or 4-5-3 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WE8S 2 X 3 SPF No.2

OTHERS 2 X 3 SPF No.2

SLIDER

Left 2 X 5 SPF 1650F 1.5E 2-10-10, Right 2 X 5 SPF 1650F 1.5E 2-10-10

REACTIONS (b/size) 2=1576/0-5-8, 8=1576/0-5-8

ex Horz2=-201(load case 4)

Max Uplift2=-243(load case 6), 8=-243(load case 6)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-1930, 3-4=-1629, 4-5=-1445, 5-6=-1445, 6-7=-1628, 7-8=-1930, 8-9=32

BOT CHORD 2-10=1436, 8-10=1436

WEBS 4-10=-464, 5-10=763, 6-10=-464

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 paf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard Gable End Detail

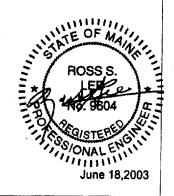
9-6-0

- 3) Design load is based on 56.0 psf specified roof snow load.
- 4) Unbalanced snow loads have been considered for this design.
- 5) All plates are 1x4 Mil20 unless otherwise indicated.

6) Gable studs spaced at 2-0-0 oc.

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 ib uplift at joint 2 and 243 ib uplift at
- 9) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 199 FORM AN INTEGRAL PART OF THIS DESIGN.

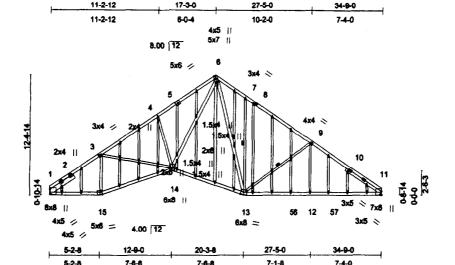


MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qty U1028510 985R **GABLE6 ROOF TRUSS**

(optional)
SR1 s Nov 16 2000 MITek Industries, Inc. Thu Jul 03 22:47:26 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201



[1:0-0-1,0-5-15], [3:0-1-12,0-1-8], [5:0-3-0,0-3-0], [6:0-1-12,0-0-8], [11:Edge,0-4-11], [14:0-2-12,0-3-4], [15:0-2-7,Edge] 2-0-0 LOADING **SPACING** DEFL Vdef **PLATES** GRIP 197/144 TCLL 56.0 Pietes Increase 1.15 TC 0.97 Vert(LL) -0.28 14-15 >999 MH20 TCDL 10.0 Lumber increase 1.15 BC 0.99 Vert(TL) -0.42 14-15 >984 BCLL Rep Stress Incr YE\$ WB 0.96 Horz(TL) 0.24 n/a **BCDL** 10.0 Code **BOCA/ANSI95** (Matrix) 1st LC LL Min I/defi = 360 Weight: 229 lb

> BRACING TOP CHORD

WERS

BOT CHORD

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E "Except" 6-8 2 X 4 SPF 1650F 1.5E

BOT CHORD 2 X 4 SPF No.2 *Except*

1-15 2 X 4 SPF 1650F 1.5E

WERS 2 X 3 SPF No.2 "Except"

6-142 X 4 SPF No.2, 6-13 2 X 4 SPF No.2

OTHERS 2 X 3 SPF No.2 *Except*

6-162 X 4 SPF No.2

Left 2 X 6 SPF 1650F 1.5E 3-0-7, SLIDER

Right 2 X 4 SPF No.2 4-4-8

(lb/size) REACTIONS 1=2677/Mechanical, 11=2777/Mechanical

Max Horz 1=-343(load case 4)

Max Uplift 1=-342(load case 6), 11=-342(load case 6)

FORCES (ib) - First Load Case Only

TOP CHORD 1-2-3946, 2-3-3744, 3-4-4429, 4-5-4182, 5-6-3897, 6-7-2951, 7-8-2615, 8-9-3080,

9-10=-3645, 10-11=-4092

BOT CHORD 1-15=2974, 14-15=3142, 13-14=2296, 13-56=3169, 12-56=3169, 12-57=3161, 11-57=3161

WEBS 3-15=-896, 3-14=574, 4-14=-643, 6-14=2655, 6-13=774, 7-13=-710, 9-13=-1029, 9-12=301

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 3) Design load is based on 56.0 per specified roof snow load.
- 4) Unbalanced snow loads have been considered for this design.
- 5) All plates are 1x4 Mil20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.

Continued on page 2



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

SONAL EN

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

Sheathed or 2-1-13 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-13, 7-13, 9-13

Scale = 1:113.7

8-8-9 oc bracing: 14-15. 1 Row at midpt

| Job | Truss | Truss Type | Qty | Pty | | | | | | |
|--|--|------------|----------|-----|------------|----------|--|--|--|--|
| 985R | GABLE6 | ROOF TRUSS | 1 | 1 | | U1028510 | | | | |
| | | | <u> </u> | İ | (optional) | i | | | | |
| I imper lop iru | Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu Jul 03 22:47:26 2003 Page 2 | | | | | | | | | |
| NOTES 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 1 and 342 lb uplift at joint 11. 10) This truss has been designed with ANSI/TPI 1-1995 criteria. | | | | | | | | | | |
| | | | | | | | | | | |

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

LOAD CASE(8)

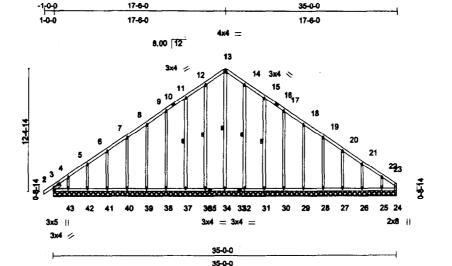
Standard





Job Truss Truss Type Qty U1028511 985R **GABLE7 ROOF TRUSS** (optional)

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu Jul 03 22:49:17 2003 Page 1



| Plate Offset | ts (X,Y): | [2:0-0-1,0-3-2], [24:0 | -1-0,0-2-12) | | | | | | | · | |
|--------------|-----------|------------------------|--------------|--------|------|-------------|--------------|-------|-------|----------------|---------|
| LOADING | (psf) | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | Vdefi | PLATES | GRIP |
| TCLL | 58.0 | Plates Increase | 1.15 | тс | 0.36 | Vert(LL) | n/a | ` - | n/a | MII20 | 197/144 |
| TCDL | 10.0 | Lumber Increase | 1.15 | BC | 0.18 | Vert(TL) | 0.01 | 1-2 | >999 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.51 | Horz(TL) | -0.02 | 2 | n/a | | |
| BCDL | 10.0 | Code BOCA | /ANSI95 | (Matri | ×) | 1st LC LL N | Ain I/defi = | : 360 | | Weight: 193 lb | * |

BRACING

TOP CHORD

BOT CHORD

LUMBER

TOP CHORD 2 X 4 SPF No.2 **BOT CHORD** 2 X 4 SPF No.2 WEBS 2 X 3 SPF No.2

OTHERS 2 X 3 SPF No.2 *Except*

13-34 2 X 4 SPF No.2, 12-36 2 X 4 SPF No.2 11-37 2 X 4 SPF No.2, 14-32 2 X 4 SPF No.2

15-31 2 X 4 SPF No.2

SLIDER

Left 2 X 4 SPF No.2 0-9-11

REACTIONS (lb/size) 24=112/35-0-0, 2=302/35-0-0, 35=12/35-0-0, 34=255/35-0-0, 36=290/35-0-0, 37=310/35-0-0,

38=300/35-0-0, 39=306/35-0-0, 40=304/35-0-0, 41=301/35-0-0, 42=319/35-0-0, 43=221/35-0-0, 32=290/35-0-0, 31=310/35-0-0, 30=300/35-0-0, 29=306/35-0-0, 28=304/35-0-0, 27=302/35-0-0, 26=311/35-0-0, 25=269/35-0-0, 33=12/35-0-0

Max Horz 24=382(load case 5)

Max Uplift

24=-13(load case 5), 2=-69(load case 4), 36=-60(load case 5), 37=-86(load case 6), 38=-72(load case 5), 39=-75(load case 6), 40=-74(load case 6), 41=-77(load case 5),

42=-71(load case 6), 43=-134(load case 5), 42=-74(load case 6), 41=-77(load case 6), 43=-134(load case 5), 32=-67(load case 4), 31=-86(load case 6), 30=-72(load case 4), 29=-76(load case 4), 28=-74(load case 6), 27=-80(load case 4), 28=-84(load case 6), 28=-84(

24=312(load case 4), 2=344(load case 2), 35=12(load case 3), 34=287(load case 6), 36=360(load case 2), 37=366(load case 2), 38=355(load case 2), 39=362(load case 2), Max Grav

40=360(load case 2), 41=356(load case 2), 42=377(load case 2), 43=267(load case 2), 32=359(load case 3), 31=366(load case 3), 30=355(load case 3), 29=362(load case 3), 28=360(load case 3), 27=358(load case 3), 25=368(load case 3), 25=326(load case 3),

33=12(load case 3)

FORCES (Ib) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-138, 3-4=-13, 4-5=-110, 5-6=-116, 6-7=-114, 7-8=-114, 8-9=-115, 9-10=-113, 10-11=33,

11-12=-116, 12-13=-114, 13-14=-114, 14-15=-116, 15-18=33, 16-17=-113, 17-18=-115, 18-19=-114, 19-20=-115, 20-21=-115, 21-22=-112, 22-23=-83, 23-24=-98

2-43=34, 42-43=34, 41-42=34, 40-41=34, 39-40=34, 38-39=34, 37-38=34, 36-37=34, 35-36=34, **BOT CHORD**

34-35=34, 33-34=34, 32-33=34, 31-32=34, 30-31=34, 29-30=34, 28-29=34, 27-28=34, 26-27=34,

25-26=34, 24-25=34 **WEBS**

13-34=-222, 12-36=-260, 11-37=-269, 9-38=-260, 8-39=-266, 7-40=-264, 6-41=-262, 5-42=-275, 4-43=-200, 14-32=-260, 15-31=-269, 17-30=-260, 18-29=-266, 19-28=-264, 20-27=-263, 21-26=-270,

22-25=-237

Continued on page 2



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Sheathed or 6-0-0 oc purtins, except end verticals.

13-34, 12-36, 11-37, 14-32, 15-31

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midot

LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

OS SISTERE OF

ROSS S.

Scale = 1:111.0

| Job | Truss | Truss Type | Qty | Ply | 114000544 |
|------|--------|------------|----------|-----|------------|
| 985R | GABLE7 | ROOF TRUSS | 1 | 1 | U1028511 |
| | | | <u>.</u> | L | (optional) |

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek industries, inc. 4.201 SR1 s Nov 16 2000 MiTek industries, inc. Thu Jul 03 22:49:17 2003 Page 2

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 pef bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard Gable End
- 3) All plates are 1x4 Mil20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all ereas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 24, 69 lb uplift at joint 2, 60 lb uplift at joint 36, 86 lb uplift at joint 37, 72 lb uplift at joint 38, 75 lb uplift at joint 39, 74 lb uplift at joint 40, 77 lb uplift at joint 41, 71 lb uplift at joint 42, 134 lb uplift at joint 43, 87 lb uplift at joint 32, 86 lb uplift at joint 31, 72 lb uplift at joint 30, 76 lb uplift at joint 29, 74 lb uplift at joint 28, 80 lb uplift at joint 27, 64 lb uplift at joint 28 and 220 lb uplift at joint 25.
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(5) Standard





Job Truss Truss Type Qty Pty U1027183 985R **ROOF TRUSS GABLES** (optional)
SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:06 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4-2-12 8-3-0 12-3-4 17-6-0 16-6-0 1-0-0 4-2-12 4-0-4 4-0-4 4-2-12 Scale: 1/4"=1" 8.00 12 3x4 // 5x8 =

Plate Offsets (X,Y): [1:0-0-2,0-1-3], [3:0-1-8,0-1-8], [5:0-1-8,0-1-8], [7:0-0-2,0-2-0] LOADING (psf) SPACING **PLATES** GRIP CSI DEFL **Vdeft** 2-0-0 in (loc) 197/144 TCLL TCDL BCLL 0.77 Vert(LL) -0.15 >999 MII20 56.Ó Plates Increase 1.15 TC BC Vert(TL) -0.21 >932 10.0 Lumber Increase 1.15 0.76 1-9 0.50 0.19 0.0 WB Horz(TL) Rep Stress Incr YES n/a **BCDL** Code 1st LC LL Min I/defl = 360 Weight: 68 lb 10.0 **BOCA/ANSI95** (Matrix)

BRACING

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WERS 2 X 3 SPF No.2

OTHERS 2 X 3 SPF No.2

Left 2 X 5 SPF 1650F 1.5E 2-3-0, Right 2 X 5 SPF 1650F 1.5E 2-3-0 SLIDER

REACTIONS ((b/size) 1=1235/0-5-8, 7=1389/0-5-8

Max Horz 1=-182(load case 4)

Max Uplift1=-158(load case 6), 7=-224(load case 6)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-2579, 2-3=-2431, 3-4=-2017, 4-5=-2016, 5-6=-2411, 6-7=-2563, 7-8=18

BOT CHORD 1-9=2007, 7-9=1981

3-9=-272, 4-9=1452, 5-9=-247 WERS

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"

4.00 12

8-3-0

- 3) Design load is based on 56.0 psf specified roof snow load.
- 4) Unbalanced snow loads have been considered for this design.
- 5) All plates are 1x4 MII20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other member
- 8) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 1 and 224 lb uplift at
- 10) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



6x6 || 3x4 >

16-6-0

8-3-0

TOP CHORD Sheathed or 2-10-9 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

SONAL ENGIN

MALENT

June 18,2003

ROSS S.

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

Job Truss Truss Type Qty U1029175 985R GARLES **ROOF TRUSS** (optional)
SR1 s Oct 17 2002 MiTek Industries, Inc. Fri Jul 11 09:42:13 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 -1-0-0 8-0-0 16-0-0 <u>17-0-0,</u> 1-0-0 8-0-0 8-0-0 1-0-0 Scale = 1:46.6 8.00 12 11 3x4 // 3x4 > 16-0-0 Plate Offsets (X,Y): [2:Edge,0-2-0], [12:Edge,0-3-3] LOADING (psf) SPACING CSI DEFL **Vdef** PLATES in (loc) 197/144 56.Ó TC 0.19 Vert(LL) Mil20 TCLL 1.15 n/a r/a Plates increase BC 0.05 0.00 >999 TCDL 10.0 1.15 Vert(TL) **Lumber Increase** 0.0 YES WB 0.16 0.00 12 Rep Stress Incr Horz(TL) n/a BCLL

BCDL

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

10.0

2 X 3 SPF No.2

SLIDER Left 2 X 4 SPF No.2 1-1-4, Right 2 X 4 SPF No.2 1-1-4

Code

BOCA/ANSI95

BRACING

1st LC LL Min I/deft = 360

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid celling directly applied or 10-0-0 oc bracing.

Weight: 64 lb

REACTIONS (Ib/size) 2=344/16-0-0, 12=344/16-0-0, 17=234/16-0-0, 18=300/16-0-0, 19=311/16-0-0, 20=276/16-0-0, 16=300/16-0-0, 15=311/16-0-0, 14=276/16-0-0 Max Horz2=-172(load case 4)

Max UpiR2=83(load case 4), 12=43(load case 6), 18=76(load case 5), 19=77(load case 6), 20=106(load case 5), 16=71(load case 4), 15=77(load case 6), 14=-93(load case 4)

Max Grav2=387(load case 2), 12=387(load case 3), 17=234(load case 1), 18=372(load case 2), 19=365(load case 2), 20=334(load case 2), 18=372(load case 3), 15=365(load case 3), 14=334(load case 3)

FORCES (lb) - First Load Case Only

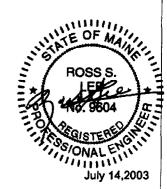
TOP CHORD 1-2-32, 2-3=-181, 3-4=-23, 4-5=-137, 5-8=-141, 6-7=-139, 7-8=-139, 8-9=-141, 9-10=-137, 10-11=-21, 11-12=-181,

12-13=32

BOT CHORD 2-20=55, 19-20=55, 18-19=55, 17-18=55, 16-17=55, 15-16=55, 14-15=55, 12-14=55 WEBS 7-17=-194, 6-18=-260, 5-19=-271, 4-20=-237, 8-16=-260, 9-15=-271, 10-14=-237

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 per top chord dead load and 5.0 psf bottom chord dead load, 100 mil from hurricane oceanime, on an occupency category ill, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Truss designed for wind loads in the plane of this truss only. For study exposed to wind (normal to the face), see MITek "Standard **Gable End Detail**
- 3) All plates are 1x4 Mil20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of trues to beering plate capable of withstanding 83 ib uplift at joint 2, 43 ib uplift at joint 12, 75 ib uplift at joint 18, 77 ib uplift at joint 19, 106 ib uplift at joint 20, 71 ib uplift at joint 16, 77 ib uplift at joint 15 and 93 ib uplift at joint
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 19 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION. Job Truss Truss Type Qty Ply U1027185 985R М1 **ROOF TRUSS** (optional)

Timber Top Trusses Ltd., Limestone, ME, 04750

SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:08 2003 Page 1

Scale = 1:54.5

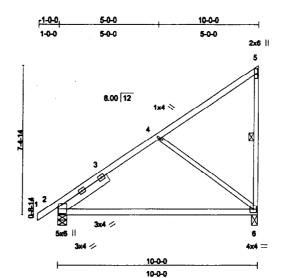


Plate Offsets (X,Y): [2:0-0-7,0-3-14], [5:0-0-12,0-3-0]

| TCDL 10.0 Lumber BCLL 0.0 Rep Str | increase 1.15 increase 1.15 less incr YES | CSI TC 0.89 BC 0.42 WB 0.71 | DEFL in (loc) Vdefi Vert(LL) 0.13 2-6 >948 Vert(TL) -0.23 2-6 >512 Horz(TL) 0.01 6 n/a | PLATES GRIP MII20 197/144 |
|--------------------------------------|---|--------------------------------------|--|------------------------------|
| BCDL 10.0 Code | BOCA/AN\$195 | (Matrix) | 1st LC LL Min i/defi = 360 | Weight: 41 lb |

BRACING

WEBS

TOP CHORD Sheathed or 5-8-3 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WERS 2 X 3 SPF No.2

Left 2 X 5 SPF 1650F 1.5E 2-11-11 SLIDER

REACTIONS (lb/size) 6=745/0-3-8, 2=891/0-5-8

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-797, 3-4=-644, 4-5=124, 5-6=-261 BOT CHORD 2-6=545

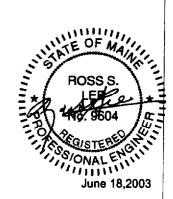
WEBS 4-6=-652

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 per bottom chord dead load, 100 mi from hurricane oceanine, on an occupancy category Ill, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design,
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 259 lb uplift at joint 6 and 67 lb uplift at joint
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qtv PΝ U1028512 985R **S1 ROOF TRUSS** 5 (optional)
SR1 s Oct 17 2002 MiTek Industries, Inc. Wed Jul 02 13:58:24 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 11-2-12 17-3-0 34-9-0 11-2-12 804 10-2-0 6x7 || 8.00 12 Scale: 1/8"=1" 1x4 II 3x5 < 1×4 \\ 4x4 🗢 10 6x8 || 3x5 > 7x8 II 17 13 16 12 6x6 = 4.00 12 1x4 || 5-2-8 12-9-0 20-3-8 27-5-0 34 9 0 5-2-8 7-8-8 7-8-8 7-1-8 7-4-0 Plate Offsets (X,Y): [1:0-0-2,0-5-14], [3:0-1-12,0-1-8], [11:Edge,0-4-10], [14:0-2-12,0-3-4], [15:0-2-7,Edge] LOADING (psf) **SPACING** DEFL in (loc) -0.29 14-15 **PLATES** GRIP 2-0-0 CSI 1/deft TCLL 56.0 Vert(LL) Plates increase TC 0.97 >999 197/144 1 15 MU20 TCDL BČ 10.0 Lumber Increase 1.15 0.98 Vert(TL) -0.43 14-15 >973 BCLL WB 0.24 0.96 0.0 Rep Stress Incr YES Horz(TL) 11 n/a BCDL 10.0 BOCA/ANSI95 1st LC LL Min I/defl = 360 Weight: 157 lb Code (Matrix) TOP CHORD Sheathed or 2-3-11 oc purlins.

BOT CHORD

WERS

TOP CHORD 2 X 4 SPF 2100F 1.8E "Except"

6-8 2 X 4 SPF 1650F 1.5E BOT CHORD 2 X 4 SPF No.2 "Except" 1-15 2 X 4 SPF 1650F 1.5E WEBS 2 X 3 SPF No.2 "Except" 6-14 2 X 4 SPF No.2, 6-13 2 X 4 SPF No.2

SLIDER Left 2 X 6 SPF 1650F 1.5E 3-0-7, Right 2 X 4 SPF No.2 4-4-8

REACTIONS (lb/size) 1=2677/Mechanical, 11=2777/Mechanical

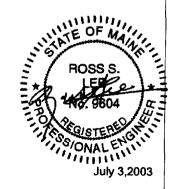
Max Horz 1=-347(load case 4)

Max Uplift1=-342(load case 6), 11=-342(load case 6)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=-3944, 2-3=-3741, 3-4=-4441, 4-5=-4238, 5-6=-3995, 6-7=-2940, 7-8=-2615, 8-9=-3080, 9-10=-3646, 10-11=-4093
BOT CHORD 1-15=2969, 14-15=3137, 13-14=-2288, 13-16=3170, 12-16=3170, 12-17=3163, 11-17=3163
WEBS 3-15=-892, 3-14=599, 4-14=-785, 6-14=2785, 8-13=780, 7-13=-689, 9-13=-1032, 9-12=301

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord deed load and 5.0 psf bottom chord dead load, 100 mi from hurricane occentine, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live loed of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 342 to uplift at joint 1 and 342 to uplift at ioint 11.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-13, 7-13, 9-13

8-8-13 oc bracing: 14-15.

1 Row at midpt

Job Truss Truss Type Qty U1028513 985R S2 **ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu Jul 03 22:51:30 2003 Page 1 15-0-0 21-3-0 -1-0-0 5-0-4 27-6-0 33-3-3 39-0-5 45-0-0 5-9-4 9-2-12 5-9-3 6-3-0 6-3-0 5-9-3 5-11-11 Scale = 1:113.9 8.00 12 4x4 > 3x4 / 10 3.00 12 5x12 = 2x4 = 3 vs -11 6x8 = 17 15 14 4x5 = 19 18 5x8 WB > 4.00 12 3x5 -6x12 < 3x6 = 21 20

7x12.5 4445 = 10-2-12 27-8-0 36-1-12 45-0-0 8-7-12 8-10-4 4-5-8 10-9-8 6-3-0 5-9-4 Plate Offsets (X,Y): [3:0-1-12,0-1-8], [4:0-5-4,0-1-12], [6:0-2-8,0-3-4], [13:0-0-14,0-3-8], [14:0-1-12,0-1-8], [15:0-3-0,Edge], [16:0-3-8,0-3-0],

| | [19:0-4-12,0-2-4], [2 | 0:0-3-8,0-2-8] | | | | | | |
|--|-----------------------|---|--|---------------------------------|---|------------------------------|--|----------------------------------|
| LOADING (psf) TCLL 56.0 TCDL 10.0 BCLL 0.0 BCDL 10.0 | | 2-0-0 1.15 1.15 YES VANSI95 | CSI TC 0.94 BC 0.97 WB 0.81 (Matrix) | DEFL Vert(LL) Vert(TL) Horz(TL) | in (loc) -0.50 14-16 -0.75 14-16 0.52 13 Min I/defl = 360 | Vdefi >831 >556 n/a | PLATES MII20 MII16 Weight: 172 lb | GRIP 197/144 127/82 |

BRACING

WEBS

TOP CHORD

BOT CHORD

LUMBER

BOT CHORD

2 X 4 SPF 2100F 1.8E "Except" TOP CHORD

6-8 2 X 4 SPF 1650F 1.5E, 8-9 2 X 5 SPF 1650F 1.5E

9-13 2 X 5 SPF 1650F 1.5E

2 X 4 SPF No.2 *Except*

15-18 2 X 4 SPF 2100F 1.8E, 13-15 2 X 4 SPF 2100F 1.8E

1.5x4

1819a =

WEBS 2 X 3 SPF No.2 "Except"

4-20 2 X 6 SPF 1650F 1.5E, 8-16 2 X 4 SPF No.2

4-19 2 X 3 SPF 2100F 1.8E

SLIDER Right 2 X 5 SPF 1650F 1.5E 3-5-1

2=-58/0-5-8, 20=4662/0-5-8, 13=2350/0-5-8 **REACTIONS** (lb/size)

2=360(load case 5) Max Horz

Max Uplift 2=-227(load case 4), 20=-579(load case 6), 13=-309(load case 6) Max Grav 2=109(load case 2), 20=4662(load case 1), 13=2351(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=2350, 3-4=3883, 4-6=-1168, 5-6=-1031, 6-7=-3971, 7-8=-3691, 8-9=-3305, 9-10=-3694,

10-11=-5129, 11-12=-5542, 12-13=-5767

2-21=-2174, 20-21=-2161, 19-20=-3902, 18-19=1226, 17-18=1257, 16-17=3323, 15-16=4191, **BOT CHORD**

14-15=4150, 13-14=4673

3-21=137, 3-20=-1620, 4-20=-2886, 6-19=-2593, 8-17=1958, 7-17=-600, 7-16=-266, 8-16=3048,

10-16=-1147, 10-14=477, 11-14=-271, 4-19=4894

NOTES

WEBS

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceaniline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- 4) All plates are Mil20 plates unless otherwise indicated.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Bearing at joint(s) 20, 13 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 2, 579 ib uplift at joint 20 and 309 ib uplift at joint 13.
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard





100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



4x7 <>

4x7 >

Sheathed or 2-1-13 oc purlins.

1 Row at midpt

Rigid ceiling directly applied or 2-8-12 oc bracing.

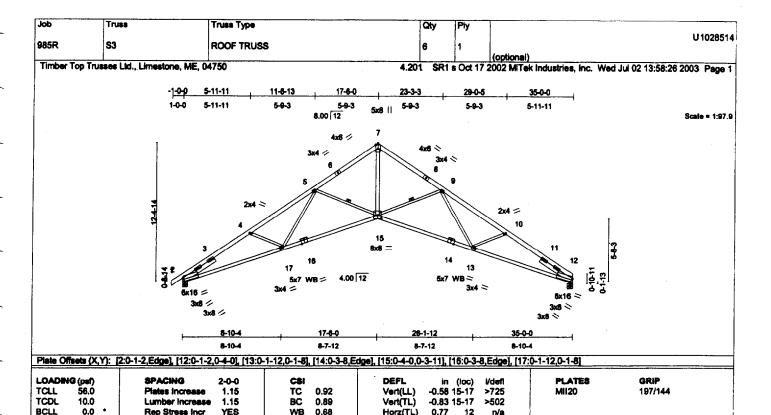
10-16

LOADING AND DIMENSIONS SPECIFIED BY FABRICATOR, SUBJECT TO VERIFICATION BY AUTHORITIES IN JURISDICTION.

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

ROSS S. GOSTERED IN

July 3,2003



TOP CHORD 2 X 5 SPF 2100F 1.8E

10.0

BOT CHORD 2 X 4 SPF 2100F 1.8E

WEBS

BCDL

2 X 3 SPF No.2 *Except* 7-15 2 X 4 SPF 1650F 1.5E

Code

Left 2 X 5 SPF 1650F 1.5E 3-5-1, Right 2 X 5 SPF 1650F 1.5E 3-5-1 SLIDER

BOCA/ANSI95

BRACING

1st LC LL Min Vdefl = 360

TOP CHORD Sheathed or 2-2-1 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: **BOT CHORD**

Weight: 148 lb

8-11-0 oc bracing: 2-17.

WFRS 1 Row at midpt 5-15, 9-15

REACTIONS (lb/size) 2=2792/0-5-8, 12=2644/0-5-8 Max Horz2=381(load case 5)

Max Upiff2=-405(load case 6), 12=-341(load case 6)

FORCES (ib) - First Load Case Only

TOP CHORD 1-2=24, 2-3=-6564, 3-4=-6337, 4-5=-5976, 5-6=-4672, 6-7=-4450, 7-8=-4450, 8-9=-4671, 9-10=-5993, 10-11=-6361,

(Matrix)

11-12=-6586

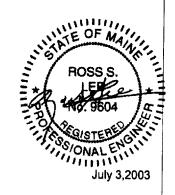
BOT CHORD 2-17=5326, 16-17=4962, 15-16=5004, 14-15=5010, 13-14=4968, 12-13=5353 **WEBS**

4-17=-168, 5-17=358, 5-15=-1100, 7-15=4187, 9-15=-1106, 9-13=373, 10-13=-182

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanilne, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 405 lb uplift at joint 2 and 341 lb uplift at
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



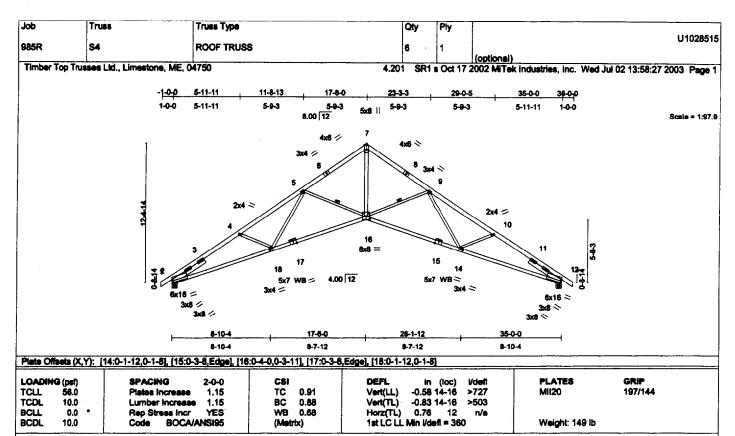
MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1967 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7





LUMBER

TOP CHORD 2 X 5 SPF 2100F 1.8E

BOT CHORD 2 X 4 SPF 2100F 1.8E

WEBS 2 X 3 SPF No.2 *Except

7-16 2 X 4 SPF 1650F 1.5E

SLIDER Left 2 X 5 SPF 1850F 1.5E 3-5-1, Right 2 X 5 SPF 1650F 1.5E 3-5-1 BRACING

TOP CHORD Sheathed or 2-2-1 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-14 oc bracing: 2-15. BOT CHORD

WEBS 5-16, 9-16 1 Row at midpt

REACTIONS (lb/size) 2=2790/0-5-8, 12=2790/0-5-8

Max Horz 2=354(load case 5)

Max Uplift2=-404(load case 6), 12=-404(load case 6)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=24, 2-3=-6557, 3-4=-6330, 4-5=-5969, 5-6=-4664, 6-7=-4442, 7-8=-4442, 8-9=-4664, 9-10=-5969, 10-11=-6330,

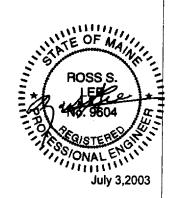
11-12=-6557, 12-13=24 BOT CHORD 2-18=5321, 17-18=4956, 16-17=4996, 15-16=4998, 14-15=4956, 12-14=5321

4-18=-168, 5-18=358, 5-16=-1100, 7-16=4180, 9-16=-1100, 9-14=358, 10-14=-168 **WEBS**

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane cosamline, on an occupancy category ill, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- 4)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 5) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 2 and 404 lb uplift at
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 18 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qtv Ply U1027190 985R **ROOF TRUSS \$5** 6 (optional)
SR1 s Oct 17 2002 MTek industries, inc. Tue Jun 17 16:04:11 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 4-2-12 8-3-0 12-3-4 17-6-0 16-6-0 4-2-12 4-0-4 4-2-12 1-0-0 Scale: 1/4"=1" 8.00 12 1x4 = 1x4 = 5x8 4.00 12 3x4 % 6x6 3x4 < 16-6-0 8-3-0 8-3-0 Plate Offsets (X,Y): [1:0-0-3,0-1-3], [7:0-0-3,0-2-0] LOADING (psf) SPACING DEFL **PLATES** GRIP 2-0-0 Vdefi TCLL 56.Ó Plates increase TC 0.76 Vert(LL) -0.15>999 MII20 197/144 1.15 TCDL 10.0 BC Lumber Increase 0.75 Vert(TL) -0.21>933 1.15 1-9 BCLL WB 0.0 Rep Stress Incr YES 0.50 Horz(TL) 0.19 n/a

1st LC LL Min I/defl = 360

TOP CHORD Sheathed or 2-10-9 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

BCDL

TOP CHORD 2 X 4 SPF No.2

10.0

BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2

Left 2 X 5 SPF 1650F 1.5E 2-3-0, Right 2 X 5 SPF 1650F 1.5E 2-3-0 SLIDER

BOCA/ANSI95

REACTIONS (lb/size) 1=1235/0-5-8, 7=1389/0-5-8

Code

Max Horz1=-182(load case 4)
Max Uplift1=-158(load case 6), 7=-224(load case 6)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-2581, 2-3=-2432, 3-4=-2018, 4-5=-2017, 5-6=-2413, 6-7=-2584, 7-8=18

BOT CHORD 1-9=2008, 7-9=1983

3-9=-273, 4-9=1453, 5-9=-248

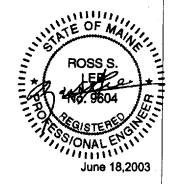
NOTES

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord deed load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

(Matrix)

- 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 ib uplift at joint 1 and 224 ib uplift at
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.

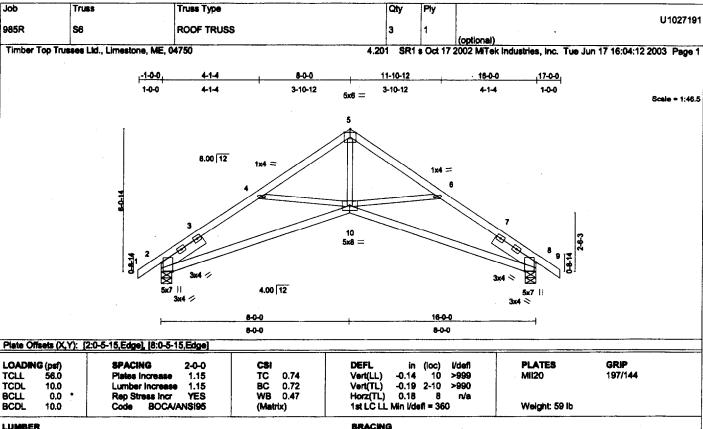


MiTek Canada, Inc.

100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Weight: 60 lb



TOP CHORD Sheathed or 3-0-3 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2 2 X 3 SPF No.2 WEBS

Left 2 X 5 SPF 1650F 1.5E 2-2-2, Right 2 X 5 SPF 1650F 1.5E 2-2-2 SLIDER

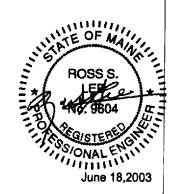
REACTIONS (lb/size) 2=1346/0-5-8, 8=1346/0-5-8 Max Horz 2=-172(load case 4)

Max Uplift2=-217(load case 6), 8=-217(load case 6)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=18, 2-3=-2450, 3-4=-2303, 4-5=-1927, 5-6=-1927, 6-7=-2303, 7-8=-2449, 8-8=18
BOT CHORD 2-10=1886, 8-10=1886
WEBS 4-10=-229, 5-10=1371, 6-10=-229

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building. of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cardilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 5) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2 and 217 lb uplift at
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.







Job Truss Type Truss Qty U1027192 985R T1 **ROOF TRUSS** 14 (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:13 2003 Page 1 1-0-0 B-1-4 12-0-0 17-10-12 24-0-0 25-0-0 1-0-0 6-1-4 5-10-12 5-10-12 6-1-4 1-0-0 4x7 = Scale = 1:65.8 8.00 12 1x4 \\ 1x4 // 13 14 12 15 11 10 16 17 4x4 = 4x4 = 3x4 = 8-0-13 12-0-0 15-11-3 24-0-0 3-11-3 3-11-3 8-0-13 Plate Offsets (X,Y): [2:0-0-11,Edge], [8:0-0-11,Edge]

| LOADING (psf) TCLL 56.0 TCDL 10.0 BCLL 0.0 | SPACING 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr | CSI TC 0.79 BC 0.85 WB 0.45 | DEFL in (loc) Vdefl Vert(LL) -0.22 10-12 >999 Vert(TL) -0.29 10-12 >999 Horz(TL) 0.07 8 r/s | PLATES GRIP Mil2O 197/144 |
|--|---|--------------------------------------|---|------------------------------|
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/deff = 360 | Weight: 102 lb |

BRACING

TOP CHORD Sheathed or 2-10-15 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

WEBS

2 X 3 SPF No.2 "Except" 5-12 2 X 4 SPF No.2, 5-10 2 X 4 SPF No.2

Left 2 X 5 SPF 1650F 1.5E 3-7-10, Right 2 X 5 SPF 1650F 1.5E 3-7-10 SLIDER

REACTIONS (lb/size) 2=2088/0-5-8, 8=2088/0-5-8

Max Horz 2=249(load case 5)

Max Uplift2=-292(load case 6), 8=-292(load case 6)

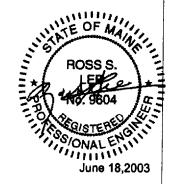
FORCES (ib) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-2738, 3-4=-2359, 4-5=-2405, 5-6=-2405, 6-7=-2359, 7-8=-2738, 8-9=32
BOT CHORD 2-13=2068, 13-14=2068, 12-14=2068, 12-15=1464, 11-15=1464, 10-11=1464, 10-16=2069, 16-17=2069, 8-17=2069
WEBS 4-12=-571, 5-12=891, 5-10=891, 6-10=-571

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord deed load, 100 ml from hurricane oceanilne, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 ib uplift at joint 2 and 292 ib uplift at ioint 8.
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type U1027193 985R T2 **ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:13 2003 Page 1 -1-0-0 11-0-0 1-0-0 5-0-0 5-0-0 1-0-0 4x6 || Scale = 1:31.0 8.00 12 8 1x4 || 5-0-0 10-0-0 5-0-0 5-0-0 Plate Offsets (X,Y): [2:0-0-7,0-3-14], [6:0-0-7,0-3-14] LOADING (psf) SPACING DEFL (loc) Vdefi PLATES in 58.0 TC -0.04 6-8 >999 MI120 197/144 TCLL Plates increase 0.42 Vert(LL) 1.15 TCDL BC 0.32 Vert(TL) -0.05 6-8 >999

0.01

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

1st LC LL Min Vdefl = 360

BRACING

LUMBER

BCLL

BCDL

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

10.0

10.0

0.0

2 X 3 SPF No.2 WEBS

Left 2 X 5 SPF 1650F 1.5E 2-10-14, Right 2 X 5 SPF 1650F 1.5E 2-10-14 SLIDER

BOCA/ANSI95

1.15

REACTIONS (lb/size) 2=892/0-5-8, 6=892/0-5-8

Max Horz2=-115(load case 4)
Max Uplif(2=-155(load case 6), 6=-155(load case 6) Max Grav2=892(load case 2), 5=892(load case 1)

Lumber Increase

Rep Stress incr

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-909, 3-4=-689, 4-5=-689, 5-6=-909, 6-7=32 BOT CHORD 2-8=573, 6-8=573

4-8=139 **WEBS**

NOTES

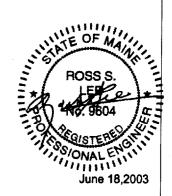
1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 paf top chord dead load and 5.0 paf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category itl, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

WB 0.05

(Matrix)

- 2) Design load is based on 56.0 paf specified roof snow load.
- 3) Unbalanced snow loads have been considered for this design.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2 and 155 lb uplift at
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1967 FORM AN INTEGRAL PART OF THIS DESIGN.







Weight: 40 lb

Job Truss Truss Type Qty Ply U1027194 985R тз **ROOF TRUSS** 6 (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:14 2003 Page 1 -1-0-0 7-6-0 15-0-0 16-0-0 11-1-12 3-10-4 3-7-12 3-7-12 3-10-4 1-0-0 1-0-0 3-10-4 4x6 || Scale = 1:44.1 5 8.00 12 1x4 / 10 3x4 // 4x8 = 3x4 > 7-8-0 15-0-0 7-6-0

| LOADING (psf) | SPACING 2-0-0 | CSI | DEFL in (loc) I/defl | PLATES GRIP |
|---------------|----------------------|----------|----------------------------|---------------|
| TCLL 56.0 | Plates Increase 1.15 | TC 0.35 | Vert(LL) -0.03 10 >999 | Mil20 197/144 |
| TCDL 10.0 | Lumber Increase 1.15 | BC 0.41 | Vert(TL) -0.07 8-10 >999 | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.25 | Horz(TL) 0.03 8 n/a | |
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/defl = 360 | Weight: 59 lb |

BRACING

TOP CHORD Sheathed or 5-0-2 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

WEBS 2 X 3 SPF No.2

SLIDER Left 2 X 5 SPF 1650F 1.5E 2-3-6, Right 2 X 5 SPF 1650F 1.5E 2-3-6

REACTIONS (lb/size) 2=1272/0-5-8, 8=1272/0-5-8

Max Horz2=163(load case 5)

Max Uplift2=-204(load case 6), 8=-204(load case 6)

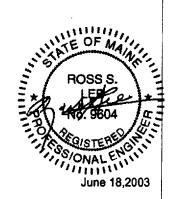
FORCES (lb) - First Load Case Only TOP CHORD 1-2=32, 2-3=-1485, 3-4=-1362, 4-5=-1113, 5-8=-1113, 6-7=-1241, 7-8=-1484, 8-9=32

BOT CHORD 2-10=1083, 8-10=1083

WEBS 4-10=-329, 5-10=562, 6-10=-329

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mil from humicane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Design load is based on 56.0 psf specified roof snow load. 3) Unbalanced snow loads have been considered for this design.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2 and 204 lb uplift at joint 8.
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard







Truss Type Qty Job Ply Truss U1027195 985R **ROOF TRUSS T4** (optional) SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:15 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 -1-0-0 4-10-4 9-6-0 14-1-12 19-0-0 20-0-Q 1-0-0 4-10-4 4-7-12 4-7-12 4-10-4 4x6 II Scale = 1:54.2 5 8.00 12 1x4 N 1x4 / 5x6 10 3x4 // 3x4 > 9-6-0 19-0-0 9-6-0 9-6-0

Plate Offsets (X,Y): [2:0-0-7,0-3-14], [8:0-0-7,0-3-14] **PLATES** LOADING (psf) CSI DEFL **Vdef SPACING** (loc) 2-0-0 >999 197/144 -0.06 10 MII20 56.0 TC 0.65 Vert(LL) TCLL Plates Increase 1.15 -0.17 8-10 >999 BC 0.60 Vert(TL) TCDL 10.0 **Lumber Increase** 1.15 0.54 0.04 8 WB **BCLL** 0.0 Rep Stress Incr YES Horz(TL) n/a Weight: 74 lb BOCA/ANSI95 1st LC LL Min I/deff = 360 (Matrix) BCDL 10.0 Code

TOP CHORD Sheathed or 4-5-3 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 2 X 3 SPF No.2

WEBS

Left 2 X 5 SPF 1650F 1.5E 2-10-10, Right 2 X 5 SPF 1650F 1.5E 2-10-10 SLIDER

REACTIONS (lb/size) 2=1576/0-5-8, 8=1576/0-5-8

Max Horz2=-201 (load case 4)

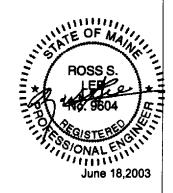
Max Uplift2=-243(load case 6), 8=-243(load case 6)

FORCES (Ib) - First Load Case Only TOP CHORD 1-2=32, 2-3=-1930, 3-4=-1629, 4-5=-1445, 5-6=-1445, 6-7=-1628, 7-8=-1930, 8-9=32 BOT CHORD 2-10=1436, 8-10=1436

4-10=464, 5-10=763, 6-10=464 WEBS

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 paf top chord dead load and 5.0 psf bottom chord dead load, 100 mil from hurricane ocsanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- Design load is based on 56.0 psf specified roof snow load. Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 2 and 243 lb uplift at ioint 8.
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1987 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Qty Ply Job Truss Type Truss U1028516 **ROOF TRUSS** QR5R **T5** 2 (optional)
SR1 s Oct 17 2002 MTek Industries, Inc. Wed Jul 02 13:58:27 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 11-6-13 17-3-0 23-0-3 34-9-0 5-10-11 28-9-5 5x7 = 5-9-3 5-10-11 5-8-3 5-11-11 8.00 12 Scale = 1:97 9 3x4 🕢 1x4 🗥 1x4 // 3x5 ≈ 7x8 II 7x10 || 20 15 14 22 12 13 21 17 18 16 19 4x5 = 3x5 = 5x6 / 5x8 == 17-3-0 25-11-8 34-9-0 8-8-8 8-9-8 8-9-6 8-5-8 Plate Offsets (X,Y): [1:0-0-11,Edge], [11:0-0-13,Edge], [14:0-4-0,0-1-12], [15:0-2-8,Edge] PLATES LOADING (paf) 2-0-0 **SPACING** DEFL in (loc) -0.38 12-14 Vdef 197/144 >999 MII20 TCLL 56.Ó Plates increase 1.15 TC BC 0.85 Vert(LL) -0.51 12-14 >811 Vert(TL) TCDL 10.0 Lumber Increase 1.15 0.94 WB 0.98 Horz(TL) 0.16 11 r/a BCLL 0.0 Ren Stress Incr YES

1st LC LL Min I/defi = 360

TOP CHORD Sheathed or 2-8-3 oc purlins.

1 Row at midot

BOT CHORD Rigid celling directly applied or 10-0-0 oc bracing.

BRACING

WEBS

LUMBER

BCDL

TOP CHORD 2 X 4 SPF 2100F 1.8E "Except"

6-7 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF 1650F 1.5E

WEBS 2 X 3 SPF No.2 "Except"

10.0

4-14 2 X 3 SPF 1650F 1.5E, 6-14 2 X 4 SPF No.2 8-14 2 X 3 SPF 1650F 1.5E

SUIDER

Left 2 X 8 SPF No.2 3-5-6, Right 2 X 6 SPF 1650F 1.5E 3-6-11

BOCA/ANSI96

REACTIONS (lb/size) 1=2880/0-5-6, 11=2873/Mechanical Max Horz 1=-347(load case 4) Max Upilft1=-342(load case 6), 11=-342(load case 6)

Code

FORCES (lb) - First Load Case Only

TOP CHORD 1-2-4217, 2-3-3867, 3-4-3754, 4-5-2815, 5-6-2441, 6-7-2439, 7-8-2819, 8-9-3863, 9-10-4089, 10-11-4273

(Matrix)

BOT CHORD 1-17=3182, 17-18=3182, 18-18=3182, 18-19=2771, 19-20=2771, 15-20=2771, 14-15=2771, 13-14=2807, 13-21=2807, 21-22=2807, 12-22=2807, 12-23=3312, 23-24=3312, 11-24=3312

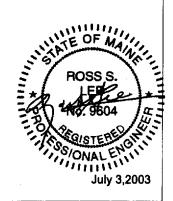
3-16=-381, 4-16=649, 4-14=-1069, 6-14=2147, 8-14=-1118, 8-12=748, 9-12=-470 WEBS

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. if porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

 2) Design load is based on 56.0 psf specified roof snow load.
- 3) Unbelanced snow loads have been considered for this design.
- 4) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 1 and 342 lb uplift at
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 19 FORM AN INTEGRAL PART OF THIS DESIGN.

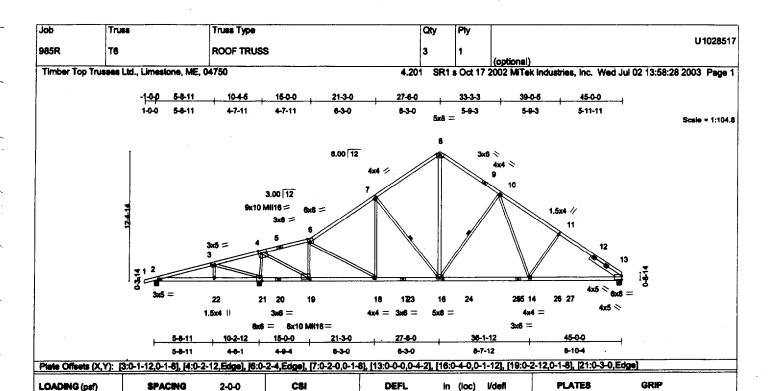


MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Weight: 153 lb

4-14, 8-14



Vert(LL)

Vert(TL)

Horz(TL)

BRACING

TOP CHORD

BOT CHORD

-0.41 14-16

-0.56 14-16

13

Sheathed.

1 Row at midpt

0.10

1st LC LL Min Vdefi = 360

>999

>742

n/a

MH20

MH16

Rigid ceiling directly applied or 5-4-6 oc bracing.

7-16, 10-16

Weight: 183 lb

Rep Stress Incr **BCLL** 0.0 BCDL 10.0 Code BOCA/ANSI95

56.Ó

10.0

LUMBER TOP CHORD 2 X 4 SPF No.2 "Except"

6-8 2 X 4 SPF 1650F 1.5E BOT CHORD 2 X 4 SPF 1650F 1.5E

WEBS

SLIDER

TCLL

TCDL

2 X 3 SPF No.2 "Except" 4-19 2 X 3 SPF 1650F 1.5E, 8-16 2 X 4 SPF No.2

Plates Increase

Lumber Increase

10-16 2 X 3 SPF 1650F 1.5E Right 2 X 5 SPF 1650F 1.5E 3-6-11

REACTIONS (lb/size) 2=468/0-5-8, 21=4157/0-5-8, 13=2702/0-5-8

Max Horz 2=362(load case 5)

Max Upilf2=-207(load case 4), 21=-515(load case 6), 13=-323(load case 6) Max Grav2=519(load case 2), 21=4157(load case 1), 13=2702(load case 1)

1.15

1.15

YES

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=337, 3-4=1814, 4-5=-2086, 5-8=-1952, 6-7=-3049, 7-8=-2537, 8-9=-2133, 9-10=-2513, 10-11=-3577,

11-12=-3807, 12-13=-3991

BOT CHORD 2-22=-231, 21-22=-220, 20-21=-1690, 19-20=-1690, 18-19=2007, 17-18=2362, 17-23=2362, 16-23=2362, 16-24=2561,

TC 0.97

BC

WB 0.98

(Matrix)

88.0

24-25=2561, 15-25=2561, 14-15=2561, 14-26=3067, 26-27=3087, 13-27=3087

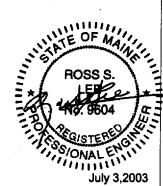
WEBS 3-22=119, 3-21=-1541, 4-21=-3577, 4-19=4196, 6-19=-2000, 6-18=413, 7-18=-6, 7-16=-717, 8-16=1766, 10-16=-1124,

10-14=777, 11-14=-494

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ini from hurricane oceaniine, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- Design load is based on 56.0 psf specified roof snow load.
 Unbalanced snow loads have been considered for this design.
- 4) All plates are MII20 plates unless otherwise indicated.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) WARNING: Required bearing size at joint(s) 21 greater than input bearing size.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 2, 515 lb uplift at joint 21 and 323 lb uplift at joint 13.
- 8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard



197/144

127/82

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1967 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Trues Type Qty U1028518 985R TGA **ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Wed Jul 02 13:58:29 2003 Page 1 -1-0-0 5-8-11 10-4-5 15-0-0 21-3-0 39-0-5 45-0-0 46-0-0 33-3-3 1-0-0 5-8-11 4-7-11 4-7-11 6-3-0 5-9-3 5-11-11 1-0-0 6-3-0 5-9-3 Scale = 1:105.7 8.00 12 4x4 > 444 / 316 9 10 3.00 12 9x10 MH6= 1.5x4 // 4x5 ≈ 8x8 = 23 22 21 19 184 17 16 26 15 27 28 25 4x5 > 348 = 4x4 == 6x10 MH16= 45-0-0 36-1-12 5-6-11 10-2-12 15-0-0 27-8-0 5-8-11 441 444 6-3-0 8-3-0 8-7-12 8-10-4 Plate Officets (X,Y): [3:0-1-12,0-1-8], [4:0-2-12,Edge], [6:0-2-4,Edge], [7:0-2-0,0-1-8], [13:0-0-0,0-4-2], [17:0-4-0,0-1-12], [20:0-2-12,0-1-8], [22:0-3-0,Edge] PLATES LOADING (per) SPACING 197/144 TC 0.97 -0.41 15-17 MII20 TCLL Plates Increase 1.15 Vert(LL) 1.15 MHIS 127/82 TCDL 10.0 Lumber Increas BC 0.87 Vert(TL) -0.56 15-17 >739 BCLL 0.0 Rep Stress Incr YES WR 0.98 Horz(TL) 0.10 13 n/a 1st LC LL Min Vdeff = 360 Weight: 184 tb BOCA/ANSI95 BCDL 10.0 Code (Matrix) LUMBER BRACING TOP CHORD Sheathed.

WEBS

TOP CHORD 2 X 4 SPF No.2 "Except"

6-8 2 X 4 SPF 1650F 1.5E BOT CHORD 2 X 4 SPF 1650F 1.5E

WEBS

2 X 3 SPF No.2 "Except" 4-20 2 X 3 SPF 1650F 1.5E, 8-17 2 X 4 SPF No.2

9-17 2 X 3 SPF 1650F 1.5E

SLIDER Right 2 X 5 SPF 1650F 1.5E 3-6-11

REACTIONS (lb/eize) 2=468/0-5-8, 22=4155/0-5-8, 13=2836/0-5-8

Max Horz2=353(load case 5)

Max Uplifi2=200(load case 4), 22=511(load case 6), 13=381(load case 6) Max Grav2=519(load case 2), 22=4155(load case 1), 13=2838(load case 1)

FORCES (b) - First Load Case Only
TOP CHORD 1-2=29, 2-3=336, 3-4=1815, 4-5=2083, 5-6=-1949, 6-7=-3045, 7-8=-2534, 8-8=-2510, 9-10=-3185, 10-11=-3565, 11-12=-3796, 12-13=-3981, 13-14=32

BOT CHORD 2-23=-232, 22-23=-221, 21-22=-1891, 20-21=-1691, 19-20=2004, 18-19=2359, 18-24=2359, 17-24=2359, 17-25=2556,

16-25=2558, 16-26=2556, 15-26=2556, 15-27=3073, 27-28=3073, 13-28=3073

WEBS 3-23=119, 3-22=-1541, 4-22=-3575, 4-20=4194, 6-20=-1999, 6-19=413, 7-19=-6, 7-17=-717, 8-17=1763, 9-17=-1119,

9-15=767, 11-15=-484

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 pet bottom chord deed load, 100 mi from hurricane oceantine, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ABCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If parches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- isign load is based on 56.0 psf specified roof snow load.

Unbalanced snow loads have been considered for this design.
 All plates are MII20 plates unless otherwise indicated.

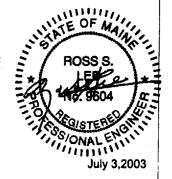
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other member

5) WARNING: Required bearing size at joint(s) 22 greater than input bearing size.

7) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 209 ib uplift at joint 2, 511 ib uplift at joint 22 and 381 to uplift at joint 13.

8) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1987 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



BOT CHORD Rigid ceiting directly applied or 5-4-4 oc bracing.

7-17, 9-17

1 Row at midpt

Job Truss Truss Type Qty Pły U1028519 **ROOF TRUSS** 985R **T7** (optional) SR1 s Oct 17 2002 MiTek industries, Inc. Wed Jul 02 13:58:30 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 5-11-11 11-6-13 17-6-0 23-3-3 35-0-0 -1-0-0 29-0-5 5x7 = 5-9-3 1-0-0 5-11-11 Scale = 1:96.7 8.00 12 3x4 🛷 1x4 // 10 11 849 = 21 16 15 14 22 23 13 24 25 4x4 = 4x4 = 4x4 = 4x4 = 5x8 = 8-10-4 17-6-0 26-1-12 35-0-0 8-7-12 8-7-12 8-10-4 8-10-4

Plate Offsets (X,Y): [2:0-0-0,0-4-2], [12:0-0-0,0-4-2], [15:0-4-0,0-1-12], [16:0-2-0,Edge] LOADING (psf) SPACING DEFL **PLATES** GRIP in (loc) 2-0-0 -0.40 13-15 Mi120 197/144 TCLL TC 0.99 Vert(LL) 56.Ó 1.15 Pletes increase 10.0 BC 0.95 Vert(TL) >784 TCDL 1.15 Lumber Increase

BRACING

WERS

TOP CHORD Sheathed.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

6-15, 9-15

-0.54 13-15 Horz(TL) 0.16 BCLL YES 0.98 WB 0.0 Rep Stress incr BCDL **BOCA/ANSI95** 1st LC LL Min I/defl = 360 10.0 (Matrix) Code

Weight: 151 lb

TOP CHORD 2 X 4 SPF 1650F 1.5E "Except"

7-8 2 X 4 SPF No.2, 8-12 2 X 4 SPF No.2

2 X 4 SPF 1650F 1.5E 2 X 3 SPF No.2 "Except" **BOT CHORD**

WEBS

6-15 2 X 3 SPF 1650F 1.5E, 7-15 2 X 4 SPF No.2 9-15 2 X 3 SPF 1650F 1.5E

Left 2 X 5 SPF 1650F 1.5E 3-6-11, Right 2 X 5 SPF 1650F 1.5E 3-6-11 SLIDER

REACTIONS (lib/size) 2=3026/0-5-8, 12=2890/0-5-8 Max Horz2=364(load case 5)

Max Uplift2=-401(load case 6), 12=-343(load case 6)

FORCES (lb) - First Load Case Only

TOP CHORD: 1-2=32, 2-3=-4293, 3-4=-4107, 4-5=-3877, 5-6=-3497, 6-7=-2849, 7-8=-2469, 8-8=-2849, 9-10=-3885, 10-11=-4115,

11-12=-4301

BOT CHORD 2-18=3324, 18-19=3324, 17-19=3324, 17-20=2828, 20-21=2828, 16-21=2828, 15-16=2828, 14-15=2831, 14-22=2831,

22-23=2831, 13-23=2831, 13-24=3336, 24-25=3336, 12-25=3336

WEBS 4-17=-465, 6-17=732, 6-15=-1108, 7-15=2170, 9-15=-1113, 9-13=742, 10-13=-476

NOTES

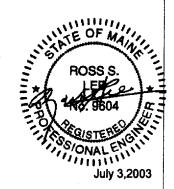
1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cartilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

2) Design load is based on 58.0 pel specified roof snow load.

3) Unbalanced snow loads have been considered for this design.

- *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 401 lb uplift at joint 2 and 343 lb uplift at joint 12.
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL FORM AN INTEGRAL PART OF THIS DE:







Job Truss Truss Type Qty U1027200 985R V1 ROOF TRUSS (optional)
SR1 s Oct 17 2002 MTek Industries, Inc. Tue Jun 17 18:04:18 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 3-1-6 6-3-0 3-1-8 4x4 = Scale = 1:15.7 8.00 12 U 214 / 114 | 24 8-3-0 6-3-0 LOADING (per) GRIP SPACING 2-0-0 DEFL **PLATES** SAN TC BC 197/144 TCLL Plates Increase 1.15 0.32 Vert(LL) n/a n/a MI120 TCDL 10.0 Lumber Increase 1.15 0.05 Vert(TL) n/a n/a BCLL 0.0 Rep Stress Incr YES WB 0.05 Horz(TL) 0.00 n/a BCDL BOCA/ANSI95 1st LC LL Min I/deff = 360 (Matrix) Weight: 16 lb 10.0 Code BRACING TOP CHORD Sheathed or 6-0-0 oc purlins.

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=235/6-3-0, 3=235/6-3-0, 4=334/6-3-0

Max Horz 1=51(load case 5)
Max Uplift1=-45(load case 6), 3=-45(load case 6), 4=-14(load case 6)
Max Grav1=259(load case 2), 3=259(load case 3), 4=334(load case 1)

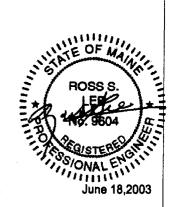
FORCES (ib) - First Load Case Only TOP CHORD 1-2=-151, 2-3=-151 BOT CHORD 1-4=61, 3-4=61

WEBS 2-4=-268

NÓTES

- 1) This tisse has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 paf top chord deed load and 5.0 paf bottom chord deed load, 100 mi from hurricane occaniline, on an occupancy category iii, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.
- 2) Gable requires continuous bottom chord bearing.
- 3) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1, 45 lb uplift at joint 3 and 14 lb uplift at joint 4.
- 5) This trust has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



ON Job Truss Truss Type U1027201 085R V10 ROOF TRUSS SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:19 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 3-9-0 7-8-0 3-9-0 4x4 = Scale = 1:19.5 8.00 12 П 1x4 || 7-6-0 7-6-0 LOADING (psf) DEFL PLATES طوي SPACING 2-0-0 (loc) 56.0 TC MI120 197/144 TCLL 1.15 0.48 Vert(LL) n/a Plates incres TCDL 10.0 Lumber Increase 1.15 BC 0.08 Vert(TL) n/a n/a BCLL 0.0 Rep Stress Incr YES WB 0.07 Horz(TL) 0.00 n/a BCDL BOCA/ANSI95 1st LC LL Min Vdeff = 360 Weight: 19 lb 10.0 bt) LUMBER BRACING TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 TOP CHORD Sheathed or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2 X 3 SPF No.2

REACTIONS (lb/size) 1=290/7-8-0, 3=290/7-8-0, 4=413/7-8-0 Max Horz 1=-63(load case 4) Max Uplifit=-56(load case 6), 3=-58(load case 6), 4=-17(load case 6) Max Grav1=320(load case 2), 3=320(load case 3), 4=413(load case 1)

FORCES (lb) - First Load Case Only TOP CHORD 1-2=-186, 2-3=-186 BOT CHORD 1-4=75, 3-4=75 WEBS 2-4=-331

NOTES

OTHERS

1) This trues has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load-and 5.0 psf bottom chord dead load, 100 mil from hurricane oceanline, on an occupancy category fill, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or centilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
2) Gable requires continuous bottom chord bearing.

- 3) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 4) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 56 lb uplift at joint 1, 56 lb uplift at joint 3 and 17 to uplift at joint 4.
- 5) This trues has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard

ROSS S. SONAL ENGINE

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1987 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Cty U1027202 985R V11 **ROOF TRUSS** Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:19 2003 Page 1 1-6-0 1-0-0 1-9-0 Scale = 1:8.6 8.00 12 24 / 3-6-0 3-6-0 Plate Offsets (X,Y): [2:0-2-0,Edge]

SPACING DEFL Vdefi **PLATES** LOADING (per) TCLL 56.0 (loc) 2-0-0 in MII20 197/144 TC 0.07 Vert(LL) n/a Plates Increase 1.15 n/a TCDL BC 10.0 1.15 0.07 n/a n/a Lumber Increase Vert(TL) 0.0 BCLL WB 0.00 Horz(TL) 0.00 Rep Stress Incr YES n/a BCDL BOCA/ANSI95 1st LC LL Min Vdefi = 360 Weight: 8 lb 10.0 Code (Matrix)

BRACING

TOP CHORD Sheathed or 3-6-0 oc purlins.

BOT CHORD Rigid ceiting directly applied or 10-0-0 oc bracing.

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

REACTIONS (lb/size) 1=193/3-6-0, 3=193/3-6-0

Max Horz 1=24(load case 5)
Max Uplift1=-25(load case 6), 3=-25(load case 6)

FORCES (lb) - First Load Case Only

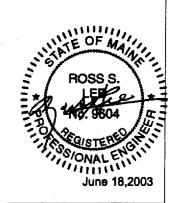
TOP CHORD 1-2=-188, 2-3=-188

BOT CHORD 1-3=126

1) This thiss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ini from hurricane oceaniline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

- 2) Gable requires continuous bottom chord bearing.
 3) "This truss has been designed for a five load of 20.0pef on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 to uplift at joint 1 and 25 to uplift at joint
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Qty Truss Type Truse U1027203 985R **ROOF TRUSS** V12 (optional)
SR1 s Oct 17 2002 MTek Industries, Inc. Tue Jun 17 16:04:20 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4 201 12-9-0 6-4-8 648 4x5 = Scale = 1:31.7 8.00 12 1x4 || 1x4 || 1x4 | 1x4 || 12-9-0 12-9-0 Plate Offsets (X,Y): [3:0-2-8,Edge] LOADING (par) **PLATES** GRIP DEFL (ioc) Vdefi 197/144 TCLL **56.**Ó Plates Incres 1.15 TC 0.44 Vert(LL) n/s n/a MH20 TCDL 10.0 Lumber Increase 1.15 BC 0.07 Vert(TL) n/e n/a 0.00 BCLL 0.0 Rep Stress Incr YES WB 0.17 Horz(TL) n/a BOCA/ANSI95 (Matrix) 1st LC LL Min Vdefi = 360 Weight: 35 lb BCDL 10.0 Code

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2 2 X 3 SPF No.2 **OTHERS**

BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiting directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=134/12-9-0, 5=134/12-9-0, 7=506/12-9-0, 8=509/12-9-0, 6=509/12-9-0

Max Horz 1=113(load case 5)

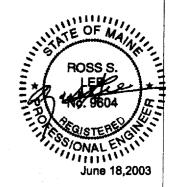
Max Uplift1=35(load case 4), 5=-14(load case 5), 8=-140(load case 5), 6=-139(load case 4)
Max Grav1=134(load case 1), 5=134(load case 1), 7=506(load case 1), 8=655(load case 2), 6=655(load case 3)

FORCES (ib) - First Load Case Only
TOP CHORD 1-2=-143, 2-3=-264, 3-4=-264, 4-5=-143
BOT CHORD 1-8=105, 7-8=105, 6-7=105, 5-6=105
WEBS 3-7=-420, 2-8=-443, 4-6=-443

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 paf top chord dead load and 5.0 psf bottom chord dead load, 100 ml from hurricane oceanilne, on an occupancy category III, condition I enclosed building. of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. if porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Gable requires continuous bottom chord bearing.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1, 14 lb uplift at joint 5,
- 140 le uplit at joint 8 and 139 lb uplit at joint 6. 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(5) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qty Ply U1027204 985R V13 ROOF TRUSS (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MITek industries, Inc. Tue Jun 17 16:04:20 2003 Page 1 4-4-8 Scale = 1:22.4 8.00 12 2x4 / 8-8-0 GRIP LOADING (psf) SPACING DEFL **Vdefi PLATES** 2-0-0 (loc) 197/144 TCLL 56.0 1.15 TÇ 0.69 Vert(LL) n/a n/a MII20 Plates Incre TCDL 10.0 **Lumber Increase** 1.15 BC 0.11 Vert(TL) r/a n/a Rep Stress Incr BCLL 0.0 YES WB 0.09 Horz(TL) 0.00 3 r/a 1st LC LL Min Vdefi = 360 Weight: 23 lb **BCDL** 10.0 Code BOCA/ANSI95 (Matrix) BRACING LUMBER TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 TOP CHORD Sheathed or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

2 X 3 SPF No.2 OTHERS

REACTIONS (lb/size) 1=346/8-9-0, 3=346/8-9-0, 4=482/8-9-0

Max Horz 1=75(load case 5)

Max Uplift1=-66(load case 6), 3=-86(load case 6), 4=-21(load case 6)

Max Grav1=361(load case 2), 3=381(load case 3), 4=482(load case 1)

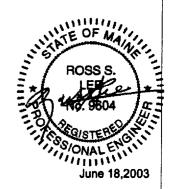
FORCES (lb) - First Load Case Only TOP CHORD 1-2=-222, 2-3=-222 BOT CHORD 1-4=90, 3-4=90 2-4=-394 WEBS

NOTES '

- 1) This these has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 per top chord dead load and 5.0 per bottom chord dead load, 100 ml from hurricane occentine, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

 2) Gable requires continuous bottom chord bearing.
- 3) * This trus has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 1, 66 lb uplift at joint 3 and 21 to uplift at joint 4.
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1987 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Type Ply Truss Qty U1027205 985R V14 **ROOF TRUSS** (optional)
SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 18:04:21 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 244 4-9-0 2-4-8 2-4-8 Scale = 1:10.8 8.00 12 2x4 > 24 / 4-0-0 4-9-0 Plate Offsets (X,Y): [2:0-2-0,Edge] LOADING (pel) GRIP PLATES SPACING DEFL Vdefi 197/144 MUON Plates Incre 1.15 TC 0.16 Vert(LL) n/a n/a

TCLL 56.0 TCDL 10.0

0.0 BCLL BCDL 10.0 Code LUMBER TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

BRACING

Vert(TL)

Horz(TL)

TOP CHORD Sheathed or 4-9-0 oc purlins.

n/a

0.00

1st LC LL Min Vdefi = 360

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight: 11 lb

n/a

n/a

REACTIONS (tb/size) 1=288/4-9-0, 3=288/4-9-0

Max Horz 1=-36(load case 4)

Max Uplift1=-37(load case 6), 3=-37(load case 6)

Lumber Incred

Rep Stress Incr

1.15

YES

BOCA/ANSI95

FORCES (ib) - First Load Case Only TOP CHORD 1-2=-281, 2-3=-281 BOT CHORD 1-3=187

NOTES

1) This tries has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord deed load shid 5.0 psf bottom chord deed load, 100 mil from hurricane oceanline, on an occupancy category IN, condition i enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-83 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

2) Gable requires continuous bottom chord bearing.

BC

WB

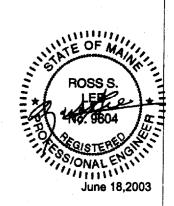
(Matrix)

0.13

0.00

- 3) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom shord and any other members.
- 4) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 37 lb uplift at joint 1 and 37 lb uplift at joint 1
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard

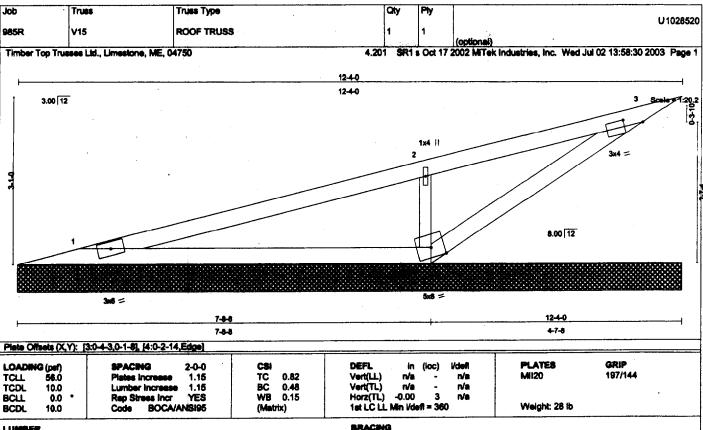


MITEK CANAGA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1987 FORM AN INTEGRAL PART OF THIS DESIGN.



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TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

TOP CHORD 2 X 4 SPF 1650F 1.5E

BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2

REACTIONS (lb/size) 1=404/12-4-0, 4=1037/12-4-0, 3=144/12-4-0

Max Uplifit =-55(load case 4), 4=-186(load case 4), 3=-39(load case 4)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=83, 2-3=66

BOT CHORD 1-4=28, 3-4=-78

WEBS 2-4=-817

NOTES

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load 5.0 psf bottom chord dead load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

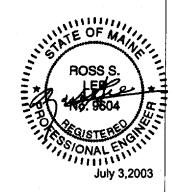
3) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

4) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 1, 186 lb uplift at joint 4 and 39 lb uplift at joint 3.

6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard

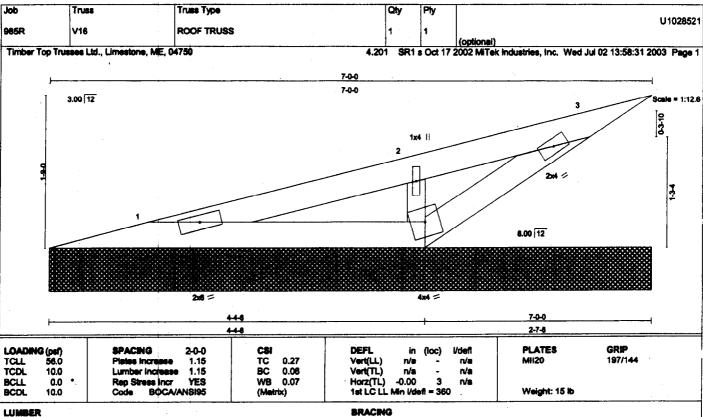


MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN:



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7





LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2

TOP CHORD Sheathed or 6-0-0 oc purlins

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=203/7-0-0, 4=492/7-0-0, 3=79/7-0-0

Mex Horz 1=61(load case 4)

Mex Uplift1=-24(load case 4), 4=-98(load case 4), 3=-15(load case 4)

FORCES (lb) - First Load Case Only TOP CHORD 1-2=32, 2-3=45 BOT CHORD 1-4=28, 3-4=-47 WEBS 2-4=-424

NOTES

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

2) Gable requires continuous bottom chord bearing

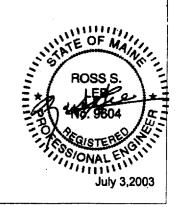
3) * This truss has been designed for a live load of 20.0pcf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

4) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1, 98 lb uplift at joint 1 and 15 lb uplift at joint 3.

6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard

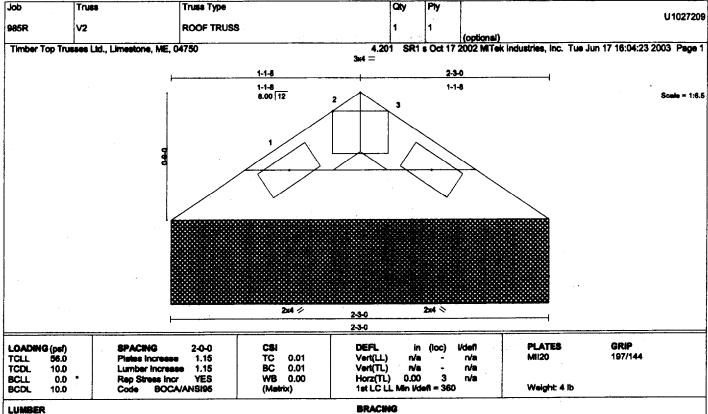


MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 18 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7





TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

TOP CHORD Sheathed or 2-3-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=58/2-3-0, 3=58/2-3-0

Max Horz 1=12(load case 5)

Max Uplift1=-7(load case 6), 3=-7(load case 6)

FORCES (ib) - First Load Case Only TOP CHORD 1-2=-49, 2-3=-49 BOT CHORD 1-3=22

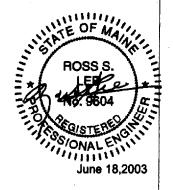
NOTES

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 pef top chord dead load and 5.0 pef bottom chord dead load, 100 inf from hurricane occaniline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33 2) Gable requires continuous bottom chord bearing.

3) This trus has been designed for a live load of 20.0pef on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1 and 7 lb uplift at joint 3. 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1907 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Qty Job Truss Truss Type U1027210 985R **V3 ROOF TRUSS** (optional)
SR1 s Oct 17 2002 MTek industries, inc. Tue Jun 17 16:04:24 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 10-1-8 12-1-8 4x4 =2-0-0 10-1-8 Scale = 1:50.3 2x6 || 8.00 12 1x4 || 1x4 || 1x4 II 1x4 || 2x6 !! 1x4 II 12-1-8 12-1-8 Plate Offsets (X,Y): [4:0-2-0,0-2-8] **PLATES** LOADING (psf) DEFL (loc) **Vdefi** 197/144 TCLL 56.0 1.15 TC 0.44 Vert(LL) n/a n/a MII20 Pletes Increas BC TCDL 10.0 Lumber Increase 1.15 0.21 Vert(TL) n/a n/a 0.0 BCLL Rep Stress Incr YES WB 0.44 Horz(TL) 0.00 n/a 1st LC LL Min I/deff = 360 Weight: 43 lb Code BCDL 10.0 BOCA/ANSI95 (Matrix) BRACING LUMBER TOP CHORD 2 X 4 SPF No.2 TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid cailing directly applied or 6-0-0 oc bracing. BOT CHORD 2 X 4 SPF No.2 WEBS 2 X 3 SPF No.2 **OTHERS** REACTIONS (lb/size) 1=35/12-1-8, 6=74/12-1-8, 7=495/12-1-8, 8=650/12-1-8, 9=499/12-1-8 Max Horz 1=379(load case 5)
Max Uplift1=-59(load case 4), 6=-99(load case 4), 7=-142(load case 5), 8=-164(load case 5), 9=-122(load case 6)
Max Grav1=197(load case 5), 6=151(load case 3), 7=495(load case 1), 8=777(load case 2), 9=589(load case 2) FORCES (Ib) - First Load Case Only TOP CHORD 1-2=105, 2-3=154, 3-4=134, 4-5=102, 5-6=-63 BOT CHORD 1-9=2, 8-8=2, 7-8=2, 6-7=2 4-7=-431, 3-8=-564, 2-9=-440 WEBS 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 per bottom chord dead load, 190 int from hurricase oceanism, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-63 per BOCA/ANSI95 if and verticals or cardilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

2) Gable requires continuous bottom chord bearing. 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members. 4) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 59 lb uplift at joint 1, 99 lb uplift at joint 6, 142 lb uplift at joint 7, 164 lb uplift at joint 8 and 122 lb uplift at joint 9.

5) This trues has been designed with ANSI/TPI 1-1995 criteria. ROSS S. LOAD CASE(S) Standard





Job Truss Type Qty Truss U1027211 985R V4 **ROOF TRUSS** SR1 s Oct 17 2002 MTek Industries, Inc. Tue Jun 17 16:04:24 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750

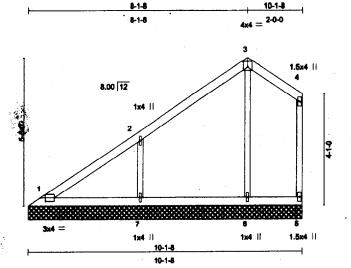


Plate Offsets (X,Y): [1:0-2-6,0-1-8], [3:0-2-0,0-2-8] LOADING (psf) TCLL 56.0 **PLATES** GRIP SPACING DEFL **Vdefi** CSI in (loc) MII20 197/144 TC 0.43 Vert(LL) n/a n/a TCLL TCDL Plates Increase 1.15 BC 0.18 10.0 Vert(TL) r/a n/e Lumber increase 1.15 0.0 WB 0.00 BCLL Rep Stress Incr YES 0.28 Horz(TL) **BCDL** BOCA/ANSI95 1st LC LL Min Vdefi = 360 Weight: 34 lb 10.0 Code (Matrix)

BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

LUMBER TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2 WEBS 2 X 3 SPF No.2 2 X 3 SPF No.2

REACTIONS (lb/size) 1=212/10-1-8, 5=77/10-1-8, 6=487/10-1-8, 7=673/10-1-8

Max Horz 1=291(load case 5)
Max Uplift1=-47(load case 4), 5=-84(load case 4), 6=-120(load case 5), 7=-169(load case 5)
Max Grav1=247(load case 2), 5=155(load case 3), 6=487(load case 1), 7=804(load case 2)

FORCES (ib) - First Load Case Only TOP CHORD 1-2=150, 2-3=134, 3-4=102, 4-5=-63 BOT CHORD 1-7=3, 6-7=3, 5-6=3

3-6=-433, 2-7=-557

NOTES

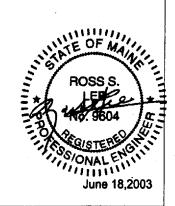
OTHERS

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord deed load and 5.9 psf bottom chord deed load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-83 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

2) Gable requires continuous bottom chord bearing.

- 3) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 1, 84 lb uplift at joint 5, 120 lb uplift at joint 6 and 169 lb uplift at joint 7. 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard



Scale = 1:40.4

MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1907 FORM AN INTEGRAL PART OF THIS DESIGN.







Job Truss Truss Type Oty U1027212 985R **ROOF TRUSS V**5 (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 SR1 s Oct 17 2002 MiTek industries, Inc. Tue Jun 17 16:04:25 2003 Page 1 6-1-8 4x4 = Scale = 1:30.4 3 1x4 || 8.00 12 1x4 || 1x4 || 1x4 || 1x4 || 8-1-8 LOADING (par) **PLATES** GRIP SPACING 2-0-0 DEFL (loc) Vdef! 197/144 TC MI120 TCLL 56.0 1.15 0.58 Vert(LL) n/a n/a es Increase TCDL 10.0 1.15 BC 0.05 Vert(TL) r/a n/a **Lumber Increase** BCLL WB 0.12 0.00 0.0 Rep Stress Incr BCDL 10.0 BOCA/ANSI95 1st LC LL Min Vdeff = 360 Weight: 25 lb LUMBER BRACING TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

2

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2

2 X 3 SPF No.2 WEBS

OTHERS 2 X 3 SPF No.2

REACTIONS (lb/size) 1=-10/8-1-8, 5=132/8-1-8, 6=410/8-1-8, 7=613/8-1-8

Max Horz 1=202(load case 5)
Max Uplift1=-41(load case 4), 5=-78(load case 4), 6=-73(load case 5), 7=-159(load case 5)
Max Grav1=118(load case 5), 5=159(load case 3), 6=410(load case 1), 7=728(load case 2)

FORCES (Ib) - First Load Case Only

TOP CHORD: 1-2=127, 2-3=90, 3-4=-56, 4-5=-125

BOT CHORD 1-7=0, 6-7=0, 5-6=0 3-6=-339, 2-7=-543 WEBS

NOTES

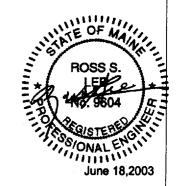
1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord deed load and 5.0 psf bottom chord deed load, 100 ml from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or centilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33.

2) Gable requires continuous bottom chord bearing.

- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-8-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 fb uplift at joint 1, 78 lb uplift at joint 5, 73 Ib uplift at joint 6 and 159 lb uplift at joint 7.

5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997 FORM AN INTEGRAL PART OF THIS DESIGN:



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type City U1027213 985R **V6 ROOF TRUSS** (optional) Timber Top Trusses Ltd., Limestone, ME, 04750 4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Tue Jun 17 16:04:26 2003 Page 1 4-1-8 2-0-0 4x4 = Scale = 1:21.1 8.00 12 1x4 || 1x4 || 5-1-8 8-1-8 GRIP PLATES SPACING DEFL in (loc) Vdefi TC BC 197/144 MH20 TCLL **56.**0 Plates increase 1.15 0.60 Vert(LL) n/a n/a TCDL 10.0 Lumber Increase 1.15 0.06 Vert(TL) n/a n/a **BCLL** 0.0 Rep Stress Incr YES WB 0.08 Horz(TL) 0.00 n/a 1st LC LL Min Vdefl = 360 Weight: 17 lb BCDL BOCA/ANSI95 10.0 Code (Matrix) BRACING

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 2 X 3 SPF No.2 WEBS OTHERS

REACTIONS (b/size) 1=270/6-1-8, 4=131/6-1-8, 5=441/6-1-8

Max Horz 1=114(load case 5)

Max Uplift1=-30(load case 6), 4=-59(load case 4), 5=-56(load case 5) Max Grav1=321(load case 2), 4=157(load case 3), 5=441(load case 1)

FORCES (lb) - First Load Case Only TOP CHORD 1-2=107, 2-3=-56, 3-4=-125

BOT CHORD 1-5=0, 4-5=0 2-5=-366

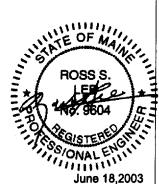
WEBS

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 pet bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category Ill, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ABCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33

2) Gable requires continuous bottom chord bearing.

- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1, 59 lb uplift at joint 4 and 56 lb uplift at joint 5.
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard

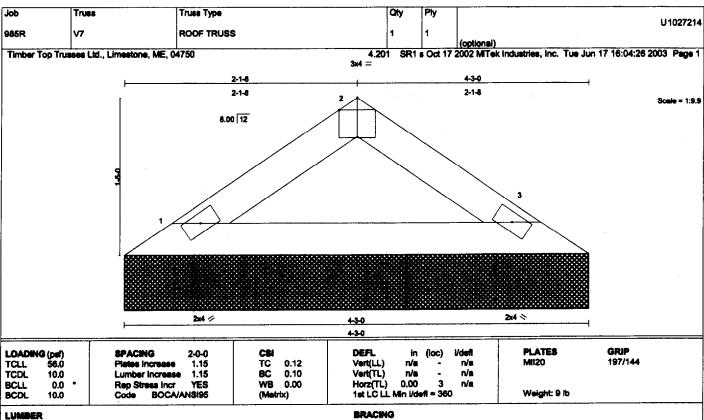






TOP CHORD Sheathed or 6-1-8 oc purlins, except end verticals.

BOT CHORD Rigid cailing directly applied or 10-0-0 oc bracing.



TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

TOP CHORD Sheathed or 4-3-0 oc purine

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

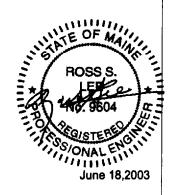
REACTIONS (lb/size) 1=250/4-3-0, 3=250/4-3-0

Max Horz1=-31(load case 4)
Max Uplift1=-32(load case 6), 3=-32(load case 6)

FORCES (ib) - First Load Case Only TOP CHORD 1-2=-244, 2-3=-244 BOT CHORD 1-3=163

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 per bottom chord dead load, 100 mill from hurricane operaline, on an occupancy category Iti, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Gable requires continuous bottom chord bearing.
 3) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 ib uplift at joint 1 and 32 ib uplift at joint
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITEK CANADA. INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1907 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Trues Truss Type Qty U1027215 **ROOF TRUSS** 985R V8 (optional)
4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:27 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 15-6-0 7-9-0 7-9-0 4x5 = Scale = 1:36.5 8.00 12 1x4 || 1x4 || 3x4 > 1x4 || 1x4 || 1x4 II 15-6-0

| Plate Offsets (X,Y): [3:0-2-8,0-2-4] | | | |
|--------------------------------------|--|---|--|
| LOADING (psf) SPACING 2-0-0 | CSI TC 0.36 BC 0.14 WB 0.24 (Matrix) | DEFL in (loc) Vdefl Vert(LL) n/s - n/s Vert(TL) n/s - n/s Horz(TL) 0.00 5 n/s 1st LC LL Min Vdefl = 360 | PLATES GRIP MII/20 197/144 Weight: 45 lb |

15-6-0

LUMBER

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 2 X 3 SPF No.2 OTHERS

BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=252/15-6-0, 5=252/15-6-0, 7=477/15-6-0, 8=615/15-6-0, 6=615/15-6-0

ax Horz 1=-139(load case 4)

Max UpiR1=31(load case 4), 5=-9(load case 6), 8=-181(load case 5), 6=-161(load case 4)
Max Grav1=258(load case 2), 5=2\$8(load case 3), 7=477(load case 1), 8=765(load case 2), 6=765(load case 3)

FORCES (lb) - First Load Case Only

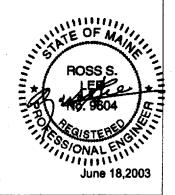
TOP CHORD 1-2=21, 2-3=-261, 3-4=-261, 4-5=-218 BOT CHORD 1-8=98, 7-8=98, 6-7=98, 5-6=98

WEBS 3-7=-407, 2-8=-510, 4-8=-510

NOTES

- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 paf bottom chord deed load, 100 mill from hurricane oceanilne, on an occupancy category lit, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANS/95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plate grip increase is 1.33
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 ib uplift at joint 1, 9 ib uplift at joint 5, 161 Ib uplift at joint 8 and 161 Ib uplift at joint 6.
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(8) Standard



MITEK CANADA, INC. GENERAL SPECIFICATIONS (U.S.A.) DATED APRIL 1, 19 FORM AN INTEGRAL PART OF THIS DESIGN.



MiTek Canada, Inc. 100 Industrial Rd., P.O. Box 1329 Bradford, Ontario, L3Z 2B7



Job Truss Truss Type Qty U1027216 985R V9 **ROOF TRUSS** (optional) 4.201 SR1 s Oct 17 2002 MTek Industries, Inc. Tue Jun 17 16:04:27 2003 Page 1 Timber Top Trusses Ltd., Limestone, ME, 04750 11-6-0 5-9-0 5-9-0 4x5 = Scale = 1:28.6 8.00 12 1x4 | 1x4 || 134 11 1x4 || 11-8-0 11-6-0 Plate Offsets (X,Y): [3:0-2-8,Edge]

GRIP SPACING DEFL (loc) PLATES LOADING (psh 2-0-0 197/144 58.0 n/a MII20 TOLL TC 0.47 Vert(LL) n/a Plates Increas 1.15 TCDL 10.0 BC 0.09 Vert(TL) n/a n/a Lumber Increase 1.15 0.0 BCLL WB 0.14 0.00 Rep Strees Incr YES BCDL BOCA/ANSI95 1st LC LL Min Vdefi = 360 Weight: 31 lb 10.0 Code (Matrix)

TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 OTHERS 2 X 3 SPF No.2 BRACING

TOP CHORD Sheathed or 8-0-0 oc puriins.
BOT CHORD Rigid celling directly applied or 10-0-0 oc bracing.

REACTIONS (th/size) 1=48/11-6-0, 5=48/11-6-0, 7=503/11-6-0, 8=501/11-6-0, 6=501/11-6-0

Max Horz 1=101(load case 5)
Max UpliR1=39(load case 4), 5=-20(load case 5), 7=-11(load case 6), 8=-142(load case 5), 8=-141(load case 4)
Max Grav1=72(load case 3), 5=72(load case 2), 7=503(load case 1), 8=660(load case 2), 6=660(load case 3)

FORCES (ib) - First Load Case Only TOP CHORD 1-2=-108, 2-3=-286, 3-4=-286, 4-5=-108 BOT CHORD 1-8=107, 7-8=107, 6-7=107, 5-8=107 WEBS 3-7=-416, 2-8=-452, 4-6=-452

1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 ini from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ABCE 7-93 per BOCA/ANSI95 if end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.33, and the plats grip increase is 1.33.

- 2) Gable requires continuous bottom chord bearing.

 3) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 to uplift at joint 1, 20 to uplift at joint 5, 11 to uplift at joint 7, 142 to uplift at joint 8 and 141 to uplift at joint 6.

5) This truss has been designed with ANSVTPI 1-1995 criteria.

LOAD CASE(\$) Standard

