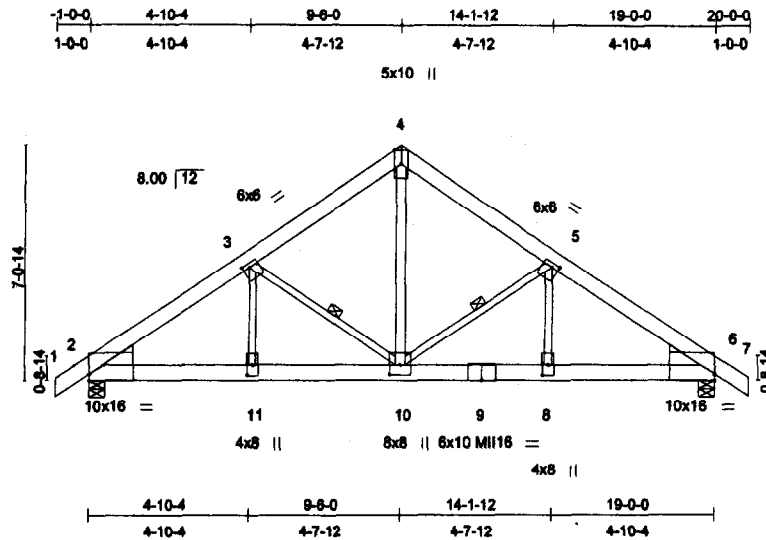


| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | G1 | ROOF TRUSS | 1 | 2 | (optional) |

U1027506

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 = 1:88.0

Plate Offsets (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 | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | Plates Increase 1.15 | TC 0.77 | in (loc) l/defl | MII20 | 197/144 |
| TCDL 10.0 | Lumber Increase 1.15 | BC 0.97 | Ver(LL) -0.23 10-11 >949 | MII16 | 182/175 |
| BCLL 0.0 | Rep Stress Incr NO | WB 0.96 | Ver(TL) -0.30 10-11 >730 | | |
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | Horz(TL) 0.12 6 n/a | | |
| | | | 1st LC LL Min l/defl = 360 | Weight: 240 lb | |

LUMBER

TOP CHORD 2 X 6 SPF 2100F 1.8E
 BOT CHORD 2 X 6 LSL Truss Grade
 WEBS 2 X 3 SPF 1850F 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

BRACING

TOP CHORD Sheathed or 3-6-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at mldpt 3-10, 5-10

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
 BOT CHORD 2-11=13144, 10-11=13516, 9-10=13516, 8-9=13516, 8-8=13144
 WEBS 3-11=5810, 3-10=-4972, 4-10=11674, 5-10=-4972, 5-8=5810

NOTES

- 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.
- Unbalanced snow loads have been considered for this design.
- 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.
- WARNING: Required bearing size at joint(s) 2, 6 greater than input bearing size.
- 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.
- 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 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

- Snow: Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

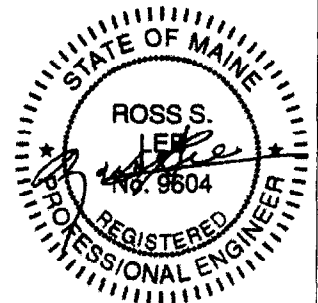
MITEK CANADA, INC. GENERAL
SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997
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MiTek Canada, Inc.
 100 Industrial Rd., P.O. Box 1329
 Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS
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 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.



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

U1027506

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 (plf)

Vert: 1-4=-132.0, 4-7=-132.0, 2-6=-1247.1

**MITEK CANADA, INC. GENERAL
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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



Continued on page 2



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

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 18 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

**MITEK CANADA, INC. GENERAL
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Bradford, Ontario, L3Z 2B7



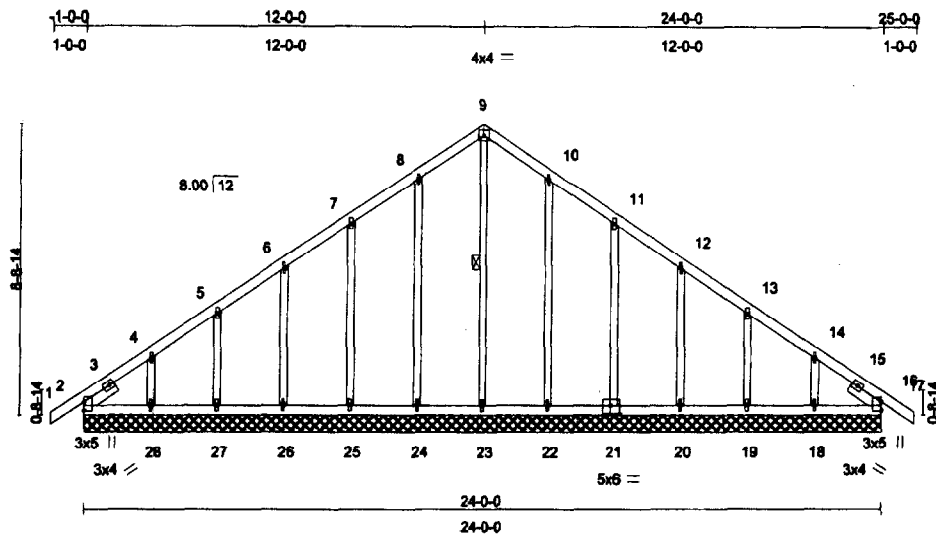
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| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE1 | ROOF TRUSS | 1 | 1 | (optional) |

U1027175

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:65.8

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]

| LOADING (psf) | SPACING | CSI | DEFL | In (loc) | V/deft | PLATES | GRIP |
|---------------|----------------------|----------|----------------------------|----------|----------|----------------|---------|
| TCLL 56.0 | 2-0-0 | TC 0.22 | Vert(LL) | n/a | n/a | M1120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.08 | Vert(TL) | 0.00 | 1-2 >999 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.41 | Horz(TL) | 0.01 | 16 n/a | | |
| BCDL 10.0 | Rep Stress Incr NO | (Matrix) | 1st LC LL Min V/deft = 380 | | | | |
| | Code BOCA/ANSI95 | | | | | 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 purlins.

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

WEBS 1 Row at midpt 9-23

REACTIONS (lb/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 Uplift2=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), 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

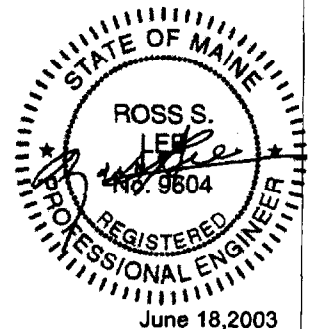
BOT CHORD 2-28=52, 27-28=52, 26-27=52, 25-26=52, 24-25=52, 23-24=52, 22-23=52, 21-22=52, 20-21=56, 19-20=56, 18-19=56, 16-18=56

WEBS 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

- 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
- 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"
- All plates are 1x4 M1120 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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.
- 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 lb uplift at joint 20, 71 lb uplift at joint 19, 110 lb uplift at joint 18 and 41 lb uplift at joint 16.
- This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



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FORM AN INTEGRAL PART OF THIS DESIGN.



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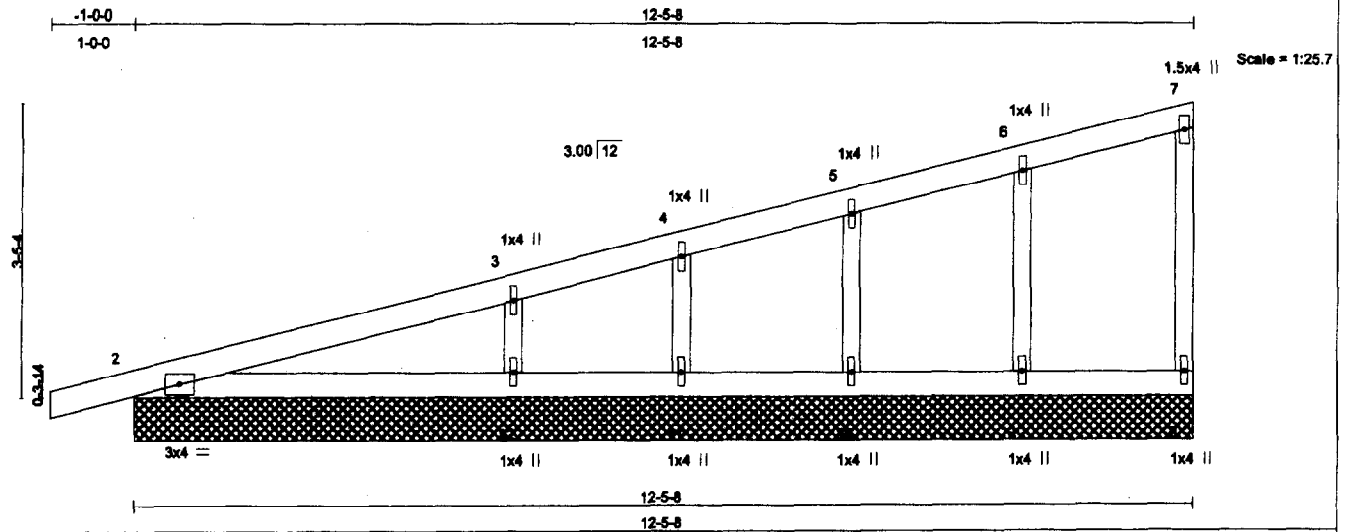
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AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|---------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE10 | ROOF TRUSS | 1 | 1 | (optional) |

U1027176

Timber Top Trusses Ltd., Limestone, ME, 04750

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| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | V/defl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|----------------------|----------|--------|---------------|---------|
| TCLL 58.0 | Plates Increase | 1.15 | TC 0.51 | Vert(LL) | n/a | n/a | MI120 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.21 | Vert(TL) | 0.03 | 1 >443 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.10 | Horz(TL) | 0.00 | 8 n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min V/defl | = 360 | | Weight: 38 lb | |

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

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.

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 Uplift8=-30(load case 5), 2=-108(load case 4), 9=-60(load case 4), 10=-85(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

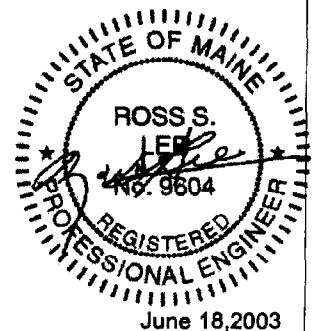
BOT CHORD 2-12=5, 11-12=5, 10-11=5, 9-10=5, 8-9=5

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

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 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 30 lb uplift at joint 8, 108 lb uplift at joint 2, 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.



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 Bradford, Ontario, L3Z 2B7



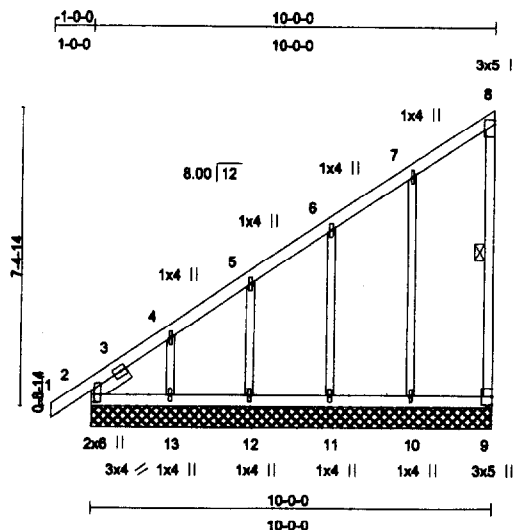
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| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE2 | ROOF TRUSS | 1 | 1 | (optional) |

U1027177

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:01 2003 Page 1



Scale = 1:54.5

Plate Offsets (X,Y): [2:0-1-1,0-3-6], [8:0-0-0,0-1-3]

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | l/defl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|----------------------|----------|----------|---------------|---------|
| TCLL 58.0 | Plates Increase | 1.15 | TC 0.56 | Vert(LL) | n/a | n/a | MI20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.42 | Vert(TL) | 0.00 | 1-2 >999 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.27 | Horz(TL) | 0.00 | 9 n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min l/defl | = 360 | | | |
| | | | | | | | Weight: 45 lb | |

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

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.
 WEBS 1 Row at midpt 8-9

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

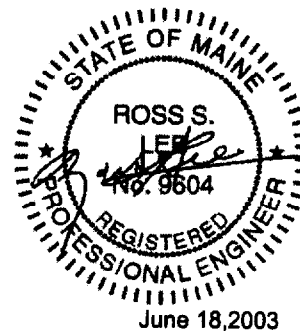
BOT CHORD 2-13=1, 12-13=1, 11-12=1, 10-11=1, 9-10=1

WEBS 7-10=-278, 6-11=-262, 5-12=-267, 4-13=-250

NOTES

- 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
- 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"
- Gable requires continuous bottom chord bearing.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 9, 108 lb uplift at joint 2, 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.
- 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
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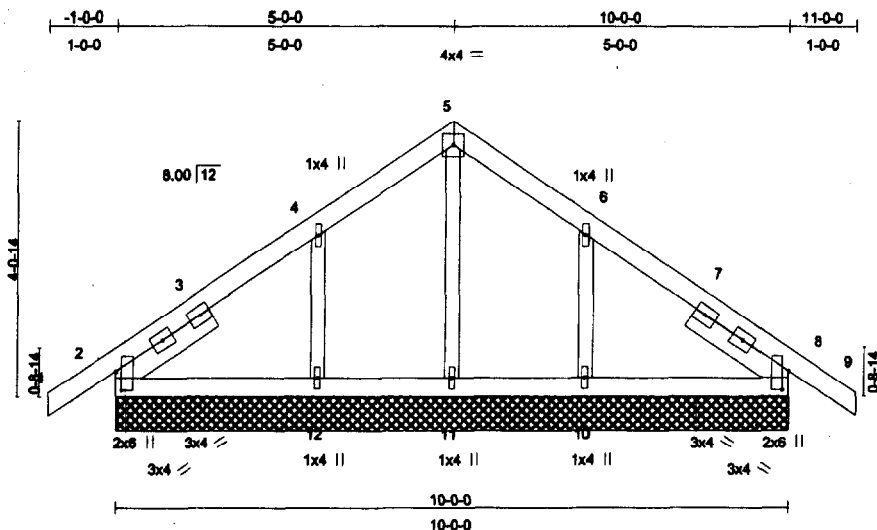
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| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE3 | ROOF TRUSS | 1 | 1 | (optional) |

U1027178

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:02 2003 Page 1



Scale = 1:32.4

Plate Offsets (X,Y): [2-0-1-1,0-3-6], [8-0-1-1,0-3-6]

| LOADING (psf) | SPACING | CSI | DEFL | In (loc) | V/defl | PLATES | GRIP |
|---------------|----------------------|----------|----------------------------|----------|--------|--------|---------------|
| TCLL 56.0 | 2-0-0 | TC 0.23 | Vert(LL) | n/a | - | MII20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.09 | Vert(TL) | 0.00 | 1 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.09 | Horz(TL) | 0.00 | 8 | | |
| BCDL 10.0 | Rep Stress Incr NO | (Matrix) | 1st LC LL Min V/defl = 360 | | | | |
| | Code BOCA/ANSI95 | | | | | | Weight: 39 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 1-8-8, Right 2 X 4 SPF No.2 1-8-8

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=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 Uplift2=-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 (lb) - First Load Case Only

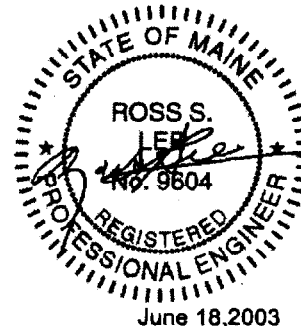
TOP CHORD 1-2=32, 2-3=313, 3-4=161, 4-5=-242, 5-6=-242, 6-7=-161, 7-8=-313, 8-9=32

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

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

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 coastline, 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 and 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 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.



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



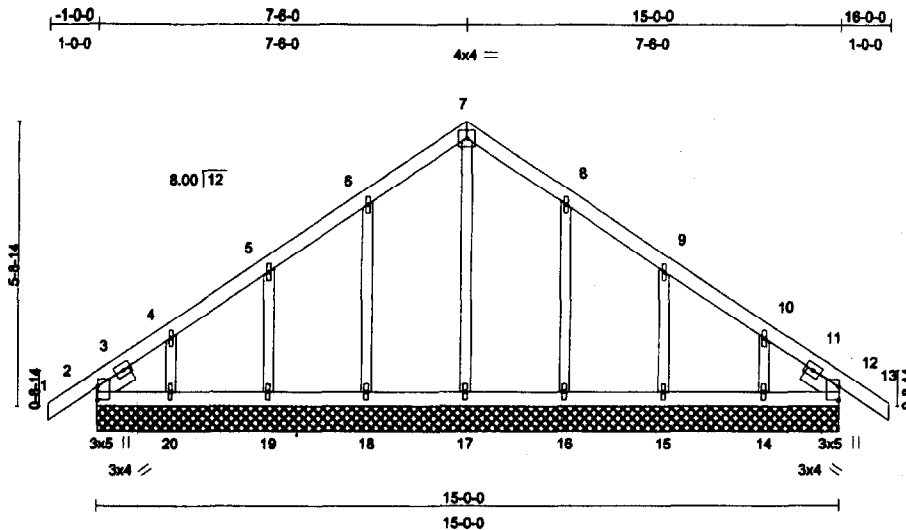
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR,
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE4 | ROOF TRUSS | 1 | 1 | (optional) |

U1027179

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



Scale = 1:44.1

Plate Offsets (X,Y): [2:0-0-1,0-3-2], [12:0-0-1,0-3-2]

| LOADING (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 | MI20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 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 I/defl | = 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 0-8-11, 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=285(load case 3)

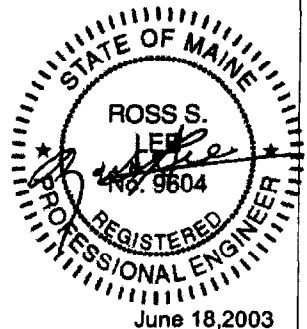
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-146, 3-4=-77, 4-5=-117, 5-6=-124, 6-7=-122, 7-8=-122, 8-9=-124, 9-10=-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
 WEBS 7-17=-212, 6-18=-260, 5-19=-276, 4-20=-198, 8-16=-260, 9-15=-276, 10-14=-198

NOTES

- 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
- 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"
- All plates are 1x4 MI20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2, 46 lb 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.
- 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.



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 Bradford, Ontario, L3Z 2B7



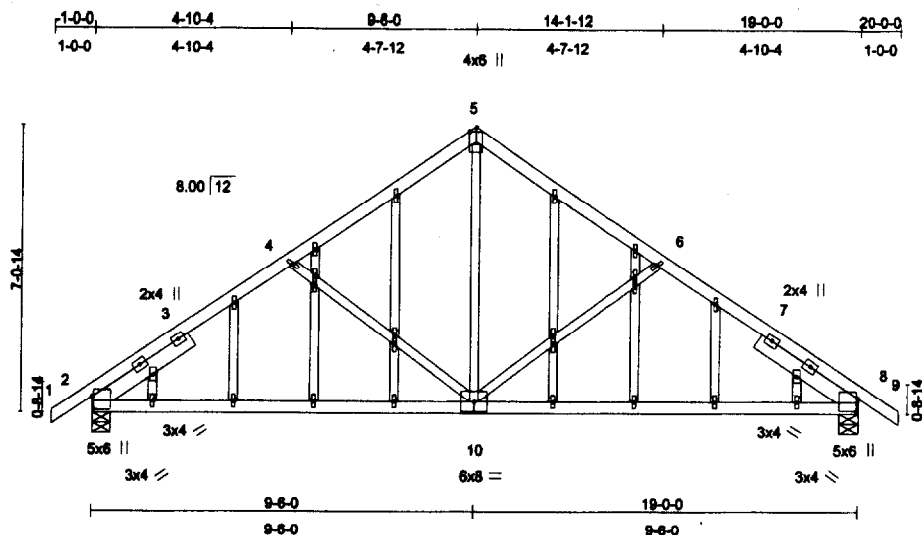
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE5 | ROOF TRUSS | 1 | 1 | (optional) |

U1027180

Timber Top Trusses Ltd., Limestone, ME, 04750

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



Scale = 1:54.2

Plate Offsets (X,Y): [2-0-0-7,0-3-14], [8-0-0-7,0-3-14]

LOADING (psf)
 TCLL 56.0
 TCCL 10.0
 BCCL 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) l/defl
 Vert(LL) -0.06 10 >999
 Vert(TL) -0.17 8-10 >999
 Horz(TL) 0.04 8 n/a
 1st LC LL Min l/defl = 360

PLATES GRIP
 M120 197/144

Weight: 93 lb

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

BRACING

TOP CHORD Sheathed or 4-5-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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 (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

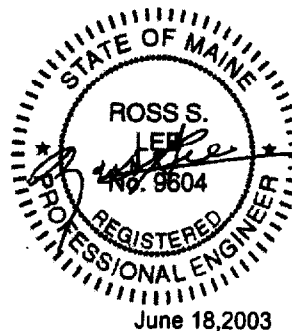
BOT CHORD 2-10=1436, 8-10=1436

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

NOTES

- 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.
- 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".
- Design load is based on 56.0 psf specified roof snow load.
- Unbalanced snow loads have been considered for this design.
- All plates are 1x4 M120 unless otherwise indicated.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 2 and 243 lb uplift at joint 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, 1997
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 Bradford, Ontario, L3Z 2B7

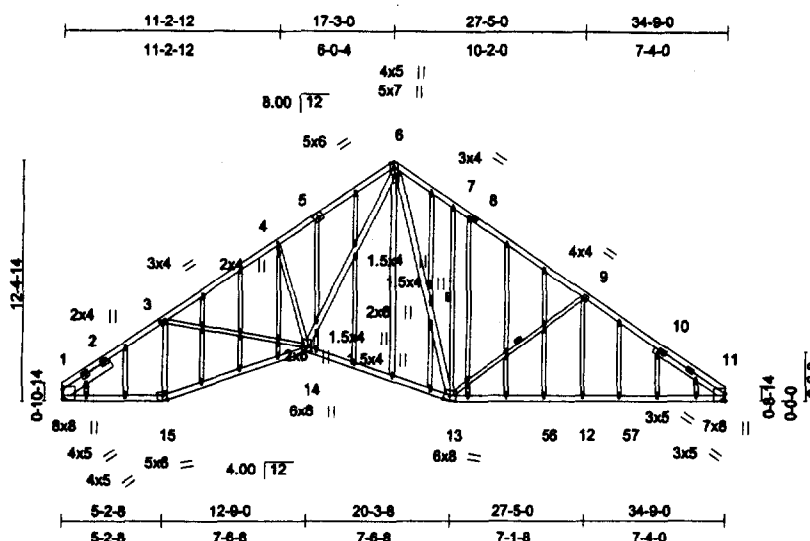


LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| Job | Truss | Truss Type | Qty | Ply | |
|------|--------|------------|-----|-----|------------|
| 985R | GABLE6 | ROOF TRUSS | 1 | 1 | (optional) |

U1028510

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 1



Scale = 1:113.7

Plate Offsets (X,Y): [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]

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | In (loc) | I/defl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|----------------------|-------------|--------|----------------|---------|
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.97 | Vert(LL) | -0.28 14-15 | >999 | M120 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.99 | Vert(TL) | -0.42 14-15 | >984 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.96 | Horz(TL) | 0.24 11 | n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/defl | = 360 | | Weight: 229 lb | |

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
WEBS 2 X 3 SPF No.2 "Except"
6-14 2 X 4 SPF No.2, 6-13 2 X 4 SPF No.2
OTHERS 2 X 3 SPF No.2 "Except"
6-16 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

BRACING
TOP CHORD Sheathed or 2-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-8-9 oc bracing: 14-15.
WEBS 1 Row at midpt 6-13, 7-13, 9-13

REACTIONS (lb/size) 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 (lb) - 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

NOTES

- 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
- 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"
- Design load is based on 56.0 psf specified roof snow load.
- Unbalanced snow loads have been considered for this design.
- All plates are 1x4 M120 unless otherwise indicated.
- 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.
- Refer to girder(s) for truss to truss connections.

Continued on page 2

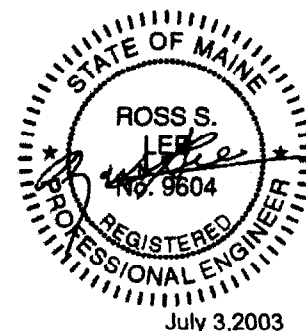
MITEK CANADA, INC. GENERAL
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Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS
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AUTHORITIES IN JURISDICTION.



| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE6 | ROOF TRUSS | 1 | 1 | |
| | | | | | U1028510 |
| | | | | | (optional) |

Timber Top Trusses Ltd., Limestone, ME, 04750, MiTek Industries, Inc. 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu Jul 03 22:47:26 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.

LOAD CASE(S) Standard

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



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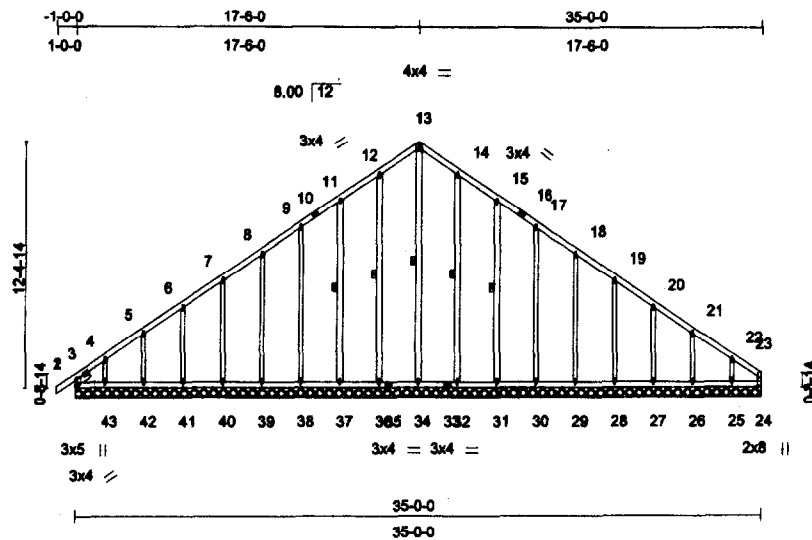


**LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
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 AUTHORITIES IN JURISDICTION.**

| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE7 | ROOF TRUSS | 1 | 1 | (optional) |

U1028511

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



Scale = 1:111.0

Plate Offsets (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) | I/defl | PLATES | GRIP |
|---------|-------|-----------------|-------------|----------|------|----------------------------|-------|--------|----------------|---------|
| TCLL | 56.0 | Plates Increase | 1.15 | TC | 0.36 | n/a | - | n/a | M120 | 197/144 |
| TCCL | 10.0 | Lumber Increase | 1.15 | BC | 0.18 | 0.01 | 1-2 | >999 | | |
| BCCL | 0.0 | Rep Stress Incr | NO | WB | 0.51 | -0.02 | 2 | n/a | | |
| BCDL | 10.0 | Code | BOCA/ANSI95 | (Matrix) | | 1st LC LL Min I/defl = 360 | | | Weight: 193 lb | |

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 0-8-11 |

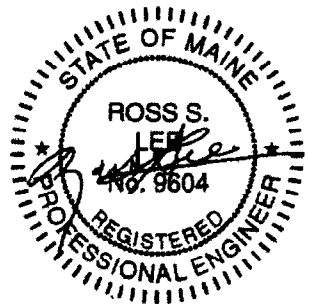
BRACING

| | |
|-----------|--|
| TOP CHORD | Sheathed or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS | 1 Row at midpt 13-34, 12-36, 11-37, 14-32, 15-31 |

| | |
|----------------------------|--|
| 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=289/35-0-0, 33=12/35-0-0 |
| Max Horz | 24=382(load case 5) |
| Max Uplift | 24=-113(load case 5), 2=-89(load case 4), 36=-80(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), 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), 26=-64(load case 6), 25=-220(load case 4) |
| Max Grav | 24=312(load case 4), 2=344(load case 2), 35=12(load case 3), 34=287(load case 6), 36=380(load case 2), 37=386(load case 2), 38=355(load case 2), 39=362(load case 2), 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=380(load case 3), 27=358(load case 3), 26=388(load case 3), 25=326(load case 3), 33=12(load case 3) |

FORCES (lb) - 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, 15-16=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 |
| BOT CHORD | 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, 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 |



July 3, 2003

Continued on page 2

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



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

| Job | Truss | Truss Type | Qty | Ply | |
|------|--------|------------|-----|-----|------------|
| 985R | GABLE7 | ROOF TRUSS | 1 | 1 | (optional) |

U1028511

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 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 studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 3) All plates are 1x4 MI20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-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" 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, 80 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 26 and 220 lb uplift at joint 25.
- 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, 1997
FORM AN INTEGRAL PART OF THIS DESIGN.**



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



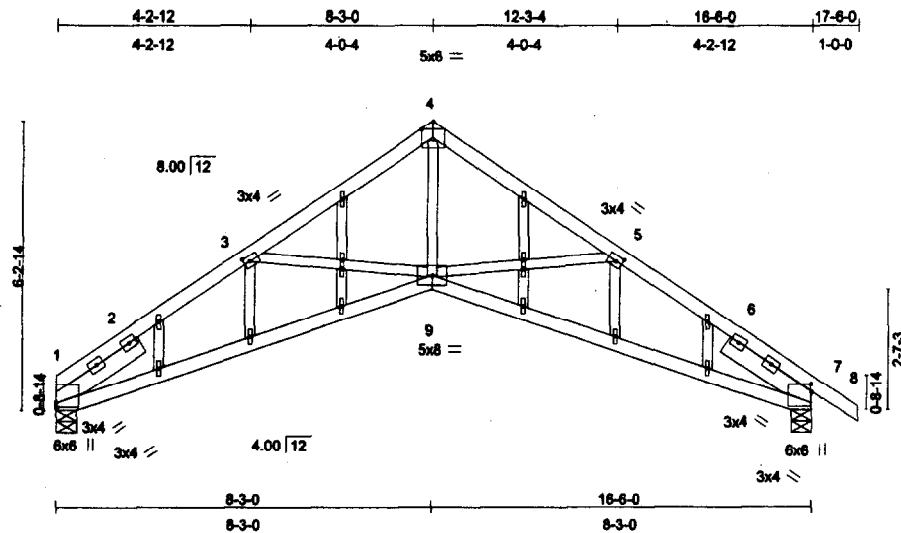
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR,
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE8 | ROOF TRUSS | 1 | 1 | (optional) |

U1027183

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:06 2003 Page 1



Scale: 1/4"=1'

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 | 2-0-0 | CSI | DEFL | in (loc) | V/def | PLATES | GRIP |
|---------------|-----------------|-------------|----------|---------------------|----------|----------|---------------|---------|
| TCLL 58.0 | Plates Increase | 1.15 | TC 0.77 | Vert(LL) | -0.15 | 9 >999 | MII20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.78 | Vert(TL) | -0.21 | 1-9 >932 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.50 | Horz(TL) | 0.19 | 7 n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min V/def | = 360 | | Weight: 68 lb | |

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

BRACING

TOP CHORD Sheathed or 2-10-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1235/0-5-8, 7=1389/0-5-8
 Max Horz 1=182(load case 4)
 Max Uplift 1=158(load case 6), 7=224(load case 6)

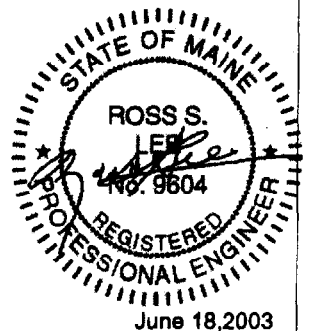
FORCES (lb) - First Load Case Only

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

NOTES

- 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
- 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"
- Design load is based on 58.0 psf specified roof snow load.
- Unbalanced snow loads have been considered for this design.
- All plates are 1x4 MII20 unless otherwise indicated.
- 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 1 and 224 lb uplift at joint 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.



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



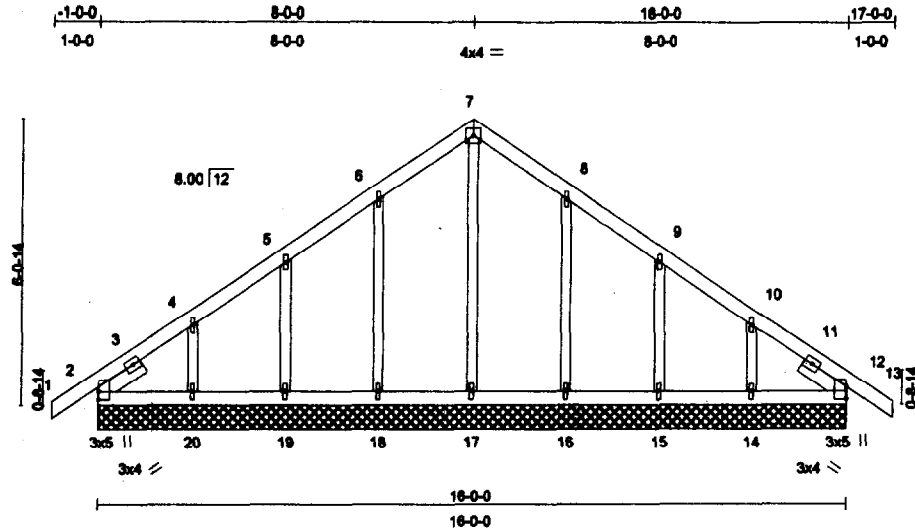
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|--------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | GABLE9 | ROOF TRUSS | 1 | 1 | (optional) |

U1029175

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Fri Jul 11 09:42:13 2003 Page 1



Scale = 1:46.6

Plate Offsets (X,Y): [2:Edge,0-2-0], [12:Edge,0-3-3]

| | | | | | |
|----------------------|----------------------|------------|----------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.19 | In (loc) l/defl | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.05 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.16 | Vert(TL) 0.00 1-2 >999 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 12 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | | |
| | | | | Weight: 64 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 purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/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 UpRt2=-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), 16=372(load case 3), 15=365(load case 3), 14=334(load case 3)

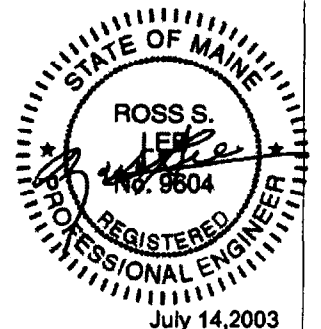
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=-181, 3-4=-23, 4-5=-137, 5-6=-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

NOTES

- 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
- 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"
- All plates are 1x4 MI20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2, 43 lb uplift at joint 12, 76 lb uplift at joint 18, 77 lb uplift at joint 19, 106 lb uplift at joint 20, 71 lb uplift at joint 16, 77 lb uplift at joint 15 and 93 lb uplift at joint 14.
- 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.



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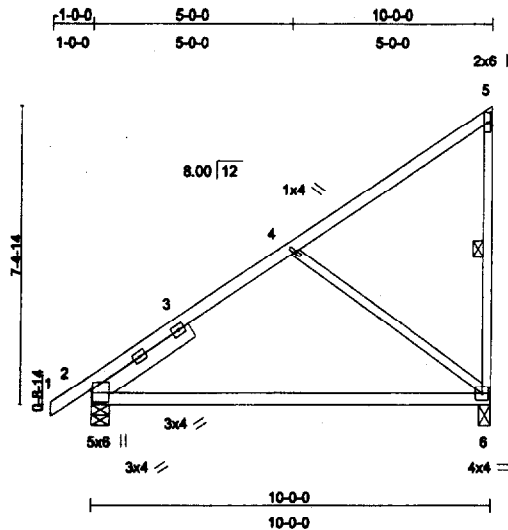


LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------------|-------|------------|-----|-----|----------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | M1 | ROOF TRUSS | 5 | 1 | U1027185 |
| (optional) | | | | | |

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 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]

| | | | | | |
|----------------------|----------------------|------------|---------------------------|---------------|---------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 58.0 | 2-0-0 | TC 0.89 | in (loc) l/def | MII20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.42 | Vert(LL) 0.13 2-6 >948 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.71 | Vert(TL) -0.23 2-6 >512 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.01 6 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/def = 360 | | Weight: 41 lb |

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 2-11-11

BRACING

TOP CHORD Sheathed or 5-8-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-6

REACTIONS (lb/size)

6=745/0-3-8, 2=891/0-5-8
 Max Horz2=482(load case 5)
 Max Uplift6=-258(load case 5), 2=-67(load case 4)
 Max Grav6=883(load case 2), 2=1059(load case 2)

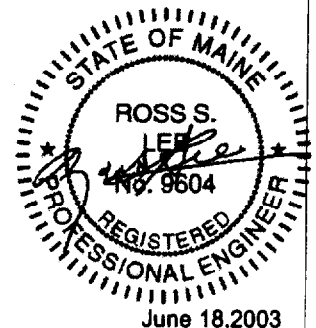
FORCES (lb) - First Load Case Only

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 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) 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 2.
- 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, 1997
 FORM AN INTEGRAL PART OF THIS DESIGN.



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



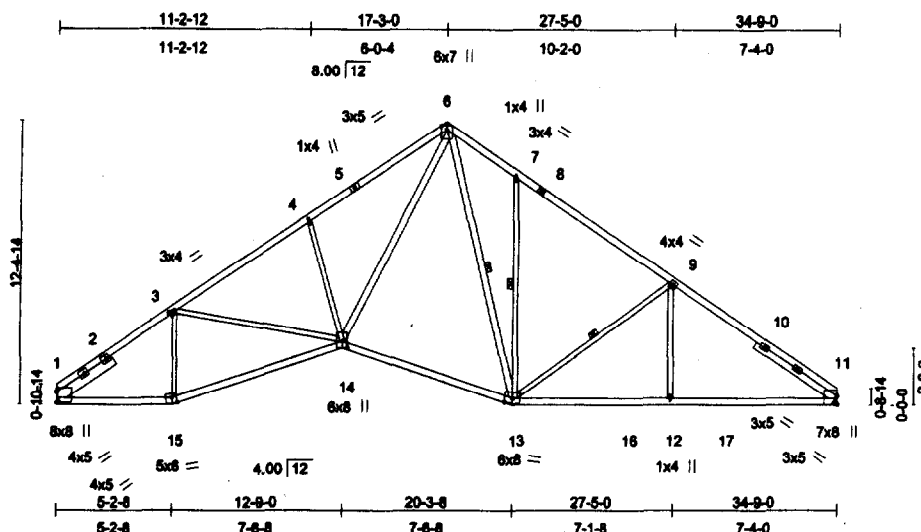
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | S1 | ROOF TRUSS | 5 | 1 | (optional) |

U1028512

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Wed Jul 02 13:58:24 2003 Page 1



Scale: 1/8"=1'

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 | CSI | DEFL | PLATES | GRIP |
| TCLL 58.0 | 2-0-0 | TC 0.97 | in (loc) l/def | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.98 | Vert(LL) -0.29 14-15 >999 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.96 | Vert(TL) -0.43 14-15 >973 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.24 11 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/def = 360 | | |
| | | | | Weight: 157 lb | |

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
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

BRACING

TOP CHORD Sheathed or 2-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-8-13 oc bracing: 14-15.
WEBS 1 Row at midpt 6-13, 7-13, 9-13

REACTIONS (lb/size) 1=2677/Mechanical, 11=2777/Mechanical
Max Horz1=347(load case 4)
Max Uplift1=342(load case 6), 11=342(load case 6)

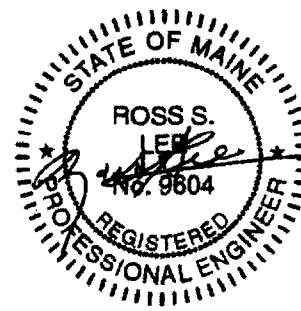
FORCES (lb) - First Load Case Only

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=3648, 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=2765, 6-13=760, 7-13=689, 9-13=1032, 9-12=301

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 58.0 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) 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 joint 11.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



July 3, 2003

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

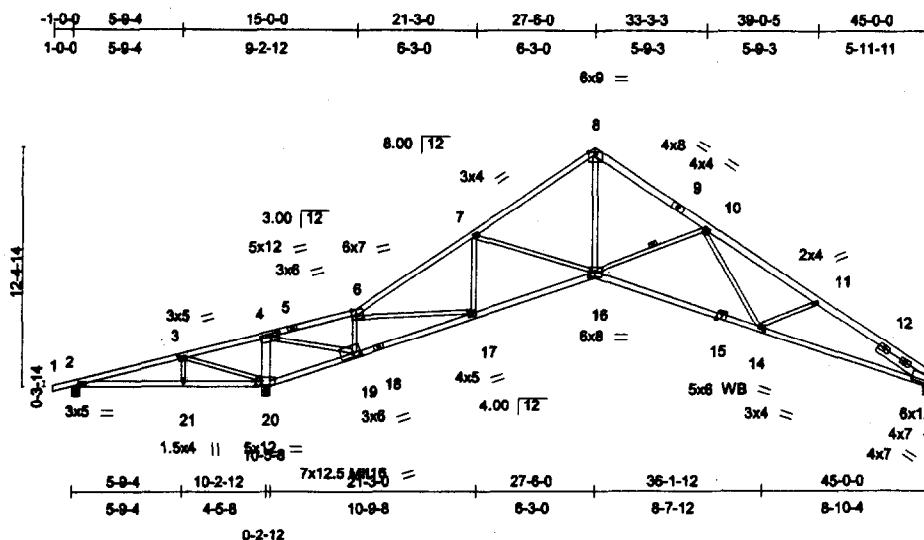


LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR.
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| Job | Truss | Truss Type | Qty | Ply | |
|------|-------|------------|-----|-----|------------|
| 985R | S2 | ROOF TRUSS | 4 | 1 | (optional) |

U1028513

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



Scale = 1:113.9

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], [18:0-4-12,0-2-4], [20:0-3-8,0-2-8]

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | l/defl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|----------------------------|-------------|--------|----------------|---------|
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.94 | Vert(LL) | -0.50 14-16 | >831 | MII20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.97 | Vert(TL) | -0.75 14-16 | >556 | MII16 | 127/82 |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.81 | Horz(TL) | 0.52 13 | n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min l/defl = 360 | | | Weight: 172 lb | |

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E "Except"
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
BOT CHORD 2 X 4 SPF No.2 "Except"
15-16 2 X 4 SPF 2100F 1.8E, 13-15 2 X 4 SPF 2100F 1.8E
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

BRACING

TOP CHORD Sheathed or 2-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-8-12 oc bracing.
WEBS 1 Row at midpt 10-16

REACTIONS (lb/size) 2=58/0-5-8, 20=4662/0-5-8, 13=2350/0-5-8
Max Horz 2=360(load case 5)
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)

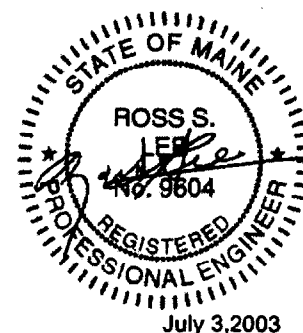
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=2350, 3-4=3683, 4-5=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
BOT CHORD 2-21=2174, 20-21=2161, 19-20=3902, 18-19=1226, 17-18=1257, 16-17=3323, 15-16=4191,
14-15=4150, 13-14=4673
WEBS 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

- This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 pcf top chord dead load and 5.0 pcf 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 pcf specified roof snow load.
- Unbalanced snow loads have been considered for this design.
- 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 2, 579 lb uplift at joint 20 and 309 lb uplift at joint 13.
- This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



July 3, 2003

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



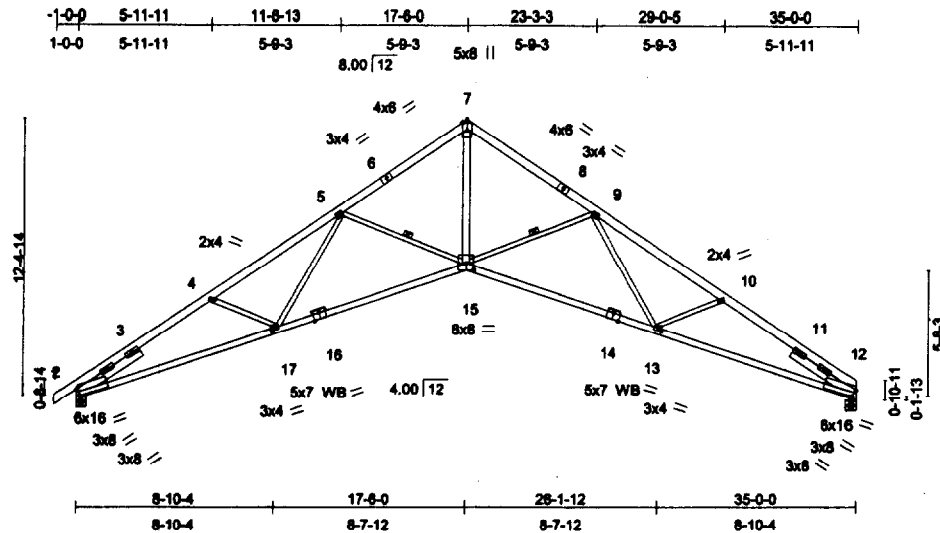
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR,
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | S3 | ROOF TRUSS | 6 | 1 | (optional) |

U1028514

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MiTek Industries, Inc. Wed Jul 02 13:58:26 2003 Page 1



Scale = 1:97.9

Plate Offsets (X,Y): [2:0-1-2,Edge], [12:0-1-2,0-4-0], [13:0-1-12,0-1-8], [14:0-3-8,Edge], [15:0-4-0,0-3-11], [16:0-3-8,Edge], [17:0-1-12,0-1-8]

| LOADING (psf) | SPACING | CSi | DEFL | PLATES | GRIP |
|---------------|----------------------|----------|---------------------------|----------------|---------|
| TCLL 58.0 | 2-0-0 | TC 0.92 | in (loc) Vdefl | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.89 | Vert(LL) -0.58 15-17 >725 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.68 | Vert(TL) -0.83 15-17 >502 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.77 12 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min Vdefl = 360 | Weight: 148 lb | |

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*
 7-15 2 X 4 SPF 1650F 1.5E
 SLIDER Left 2 X 5 SPF 1650F 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
 8-11-0 oc bracing: 2-17.
 WEBS 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 Uplift2=405(load case 6), 12=341(load case 6)

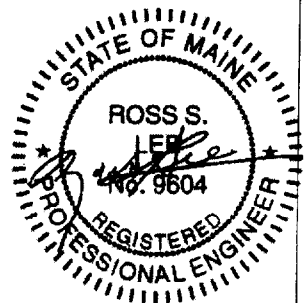
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=24, 2-3=6584, 3-4=6337, 4-5=5976, 5-6=4872, 6-7=4450, 7-8=4450, 8-9=4671, 9-10=5993, 10-11=6381,
 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 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 58.0 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 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 joint 12.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



July 3, 2003

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

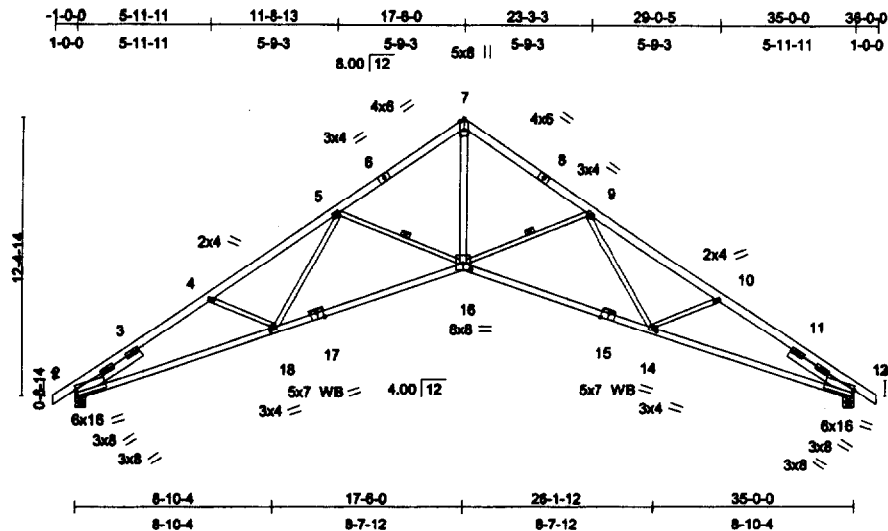


LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|----------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | S4 | ROOF TRUSS | 6 | 1 | (optional) |
| U1028515 | | | | | |

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:97.9

Plate Offsets (X,Y): [14:0-1-12,0-1-8], [15:0-3-8,Edge], [16:0-4-0,0-3-11], [17:0-3-8,Edge], [18:0-1-12,0-1-8]

| | | | | | | | | |
|---------------|-----------------|-------------|----------|---------------------|-------------|-------|----------------|---------|
| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | V/def | PLATES | GRIP |
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.91 | Vert(LL) | -0.58 14-16 | >727 | MII20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.88 | Vert(TL) | -0.83 14-16 | >503 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.88 | Horz(TL) | 0.76 12 | n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Metric) | 1st LC LL Min V/def | = 360 | | Weight: 149 lb | |

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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 8-11-14 oc bracing: 2-18,
 WEBS 1 Row at midpt 5-16, 9-16

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

Max Horz2=354(load case 5)
 Max Uplift2=404(load case 6), 12=404(load case 6)

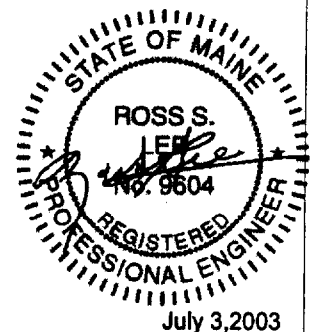
FORCES (lb) - First Load Case Only

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=4998, 15-16=4998, 14-15=4956, 12-14=5321
 WEBS 4-18=168, 5-18=358, 5-16=1100, 7-16=4180, 9-16=1100, 9-14=358, 10-14=168

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) 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 joint 12.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITTEK 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



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

U1027190

Timber Top Trusses Ltd., Limestone, ME. 04750

4.201 SR1 : Oct 17 2002 MITEK Industries, Inc. Tue Jun 17 16:04:11 2003 Page 1



Plate Offsets (X,Y): [1:0-0-3,0-1-3], [7:0-0-3,0-2-0]

Weight: 60 lb

BRACING

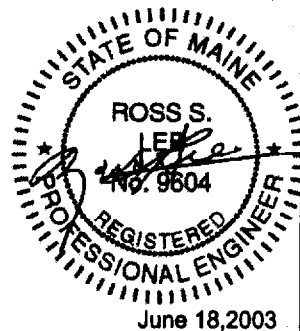
TOP CHORD Sheathed or 2-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

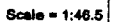
Max Horiz 1=182(load case 4)
Max Uplift1=158(load case 6), 7=224(load case 6)

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

- 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) 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 lb uplift at joint 1 and 224 lb uplift at joint 7.
- 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(\$) Standard

4.201 SR1 : Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:12 2003 Page 1

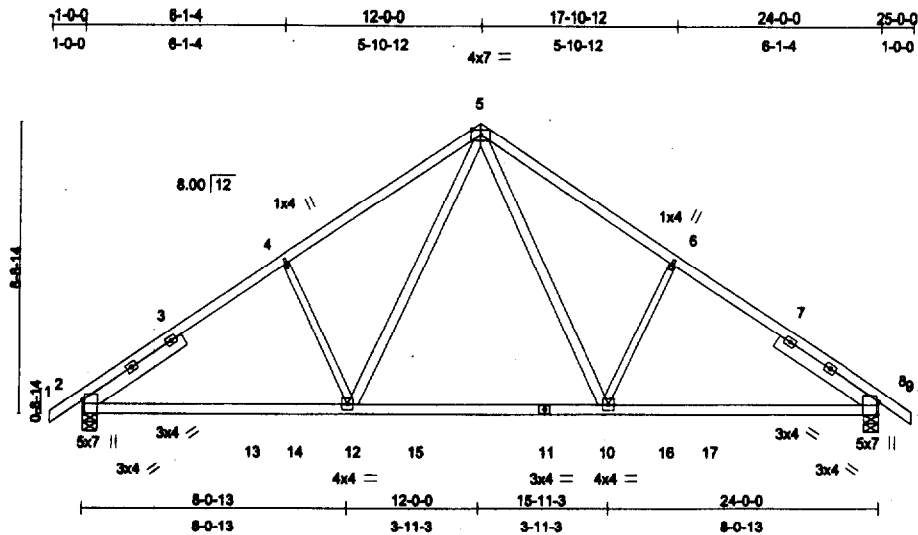


| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T1 | ROOF TRUSS | 14 | 1 | (optional) |

U1027192

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



Scale = 1:65.8

Plate Offsets (X,Y): [2:0-0-11,Edge], [8:0-0-11,Edge]

| | | | | | |
|----------------------|----------------------|------------|----------------------------|----------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.79 | in (loc) l/defl | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.85 | Vert(LL) -0.22 10-12 >999 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.45 | Vert(TL) -0.29 10-12 >999 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrbx) | Horz(TL) 0.07 8 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | | |
| | | | | Weight: 102 lb | |

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

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

BRACING

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

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

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

Max Horz2=249(load case 5)

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

FORCES (lb) - First Load Case Only

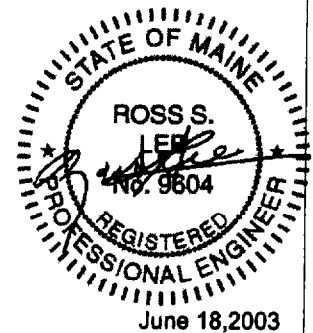
TOP CHORD 1-2=32, 2-3=2738, 3-4=2359, 4-5=2405, 5-6=2405, 6-7=2359, 7-8=2738, 8-9=32

BOT CHORD 2-13=2068, 13-14=2068, 12-14=2068, 12-15=1464, 11-15=1464, 10-16=2069, 16-17=2069, 6-17=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 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) 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 292 lb uplift at joint 2 and 292 lb uplift at joint 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, 1997
FORM AN INTEGRAL PART OF THIS DESIGN.



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



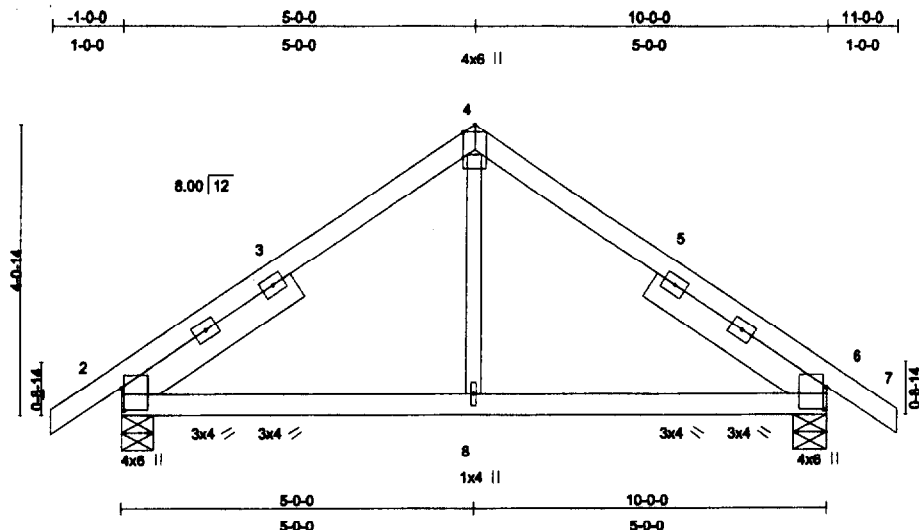
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T2 | ROOF TRUSS | 4 | 1 | (optional) |

U1027193

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



Scale = 1:31.0

Plate Offsets (X,Y): [2:0-0,7,0-3-14], [6:0-0,7,0-3-14]

| | | | | | | | | |
|---------------|-----------------|-------------|---------|----------------------|----------|--------|---------------|---------|
| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | V/defl | PLATES | GRIP |
| TCLL 58.0 | Plates Increase | 1.15 | TC 0.42 | Vert(LL) | -0.04 | 6-8 | >999 | MI20 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.32 | Vert(TL) | -0.05 | 6-8 | >999 | 197/144 |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.05 | Horz(TL) | 0.01 | 6 | n/a | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrb) | 1st LC LL Min V/defl | = 360 | | Weight: 40 lb | |

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

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=892/0-5-8, 6=892/0-5-8

Max Horz2=-115(load case 4)
 Max Uplift2=-155(load case 6), 6=-155(load case 6)
 Max Grav2=892(load case 2), 6=892(load case 1)

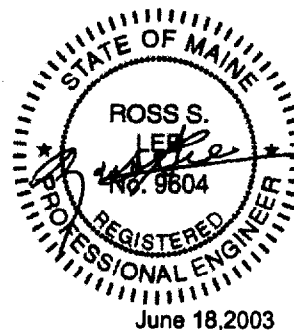
FORCES (lb) - First Load Case Only

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
 WEBS 4-8=139

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 coastline, 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 155 lb uplift at joint 2 and 155 lb uplift at joint 6.
- 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, 1997
FORM AN INTEGRAL PART OF THIS DESIGN.



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



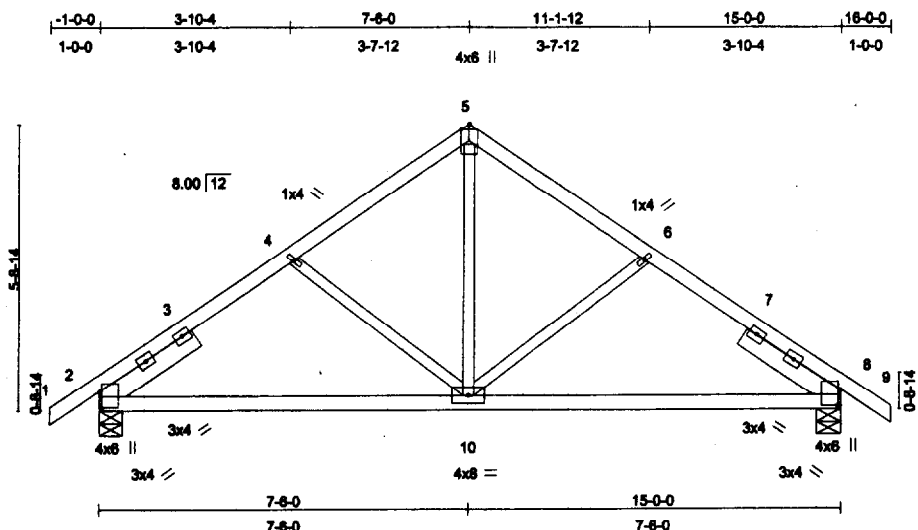
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T3 | ROOF TRUSS | 6 | 1 | (optional) |

U1027194

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MTEK Industries, Inc. Tue Jun 17 18:04:14 2003 Page 1



Scale = 1:44.1

Plate Offsets (X,Y): [2:0-0-7,0-3-14], [8:0-0-7,0-3-14]

| LOADING (psf) | SPACING | CSI | DEFL | in (loc) | I/defl | PLATES | GRIP |
|---------------|----------------------|----------|----------------------|----------|--------|---------------|---------|
| TCLL 56.0 | Plates Increase 1.15 | TC 0.35 | Vert(LL) | -0.03 | 10 | M120 | 197/144 |
| TCDL 10.0 | Lumber Increase 1.15 | BC 0.41 | Vert(TL) | -0.07 | 8-10 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.25 | Horz(TL) | 0.03 | 8 | | |
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/defl | = 360 | | | |
| | | | | | | Weight: 59 lb | |

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

BRACING

TOP CHORD Sheathed or 5-0-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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)

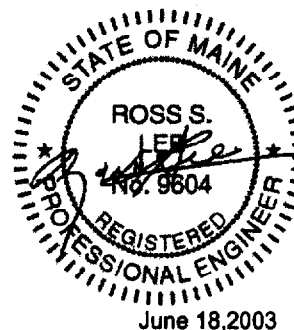
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=32, 2-3=1485, 3-4=1362, 4-5=1113, 5-6=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

NOTES

- 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.
- 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.
- 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.
- 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



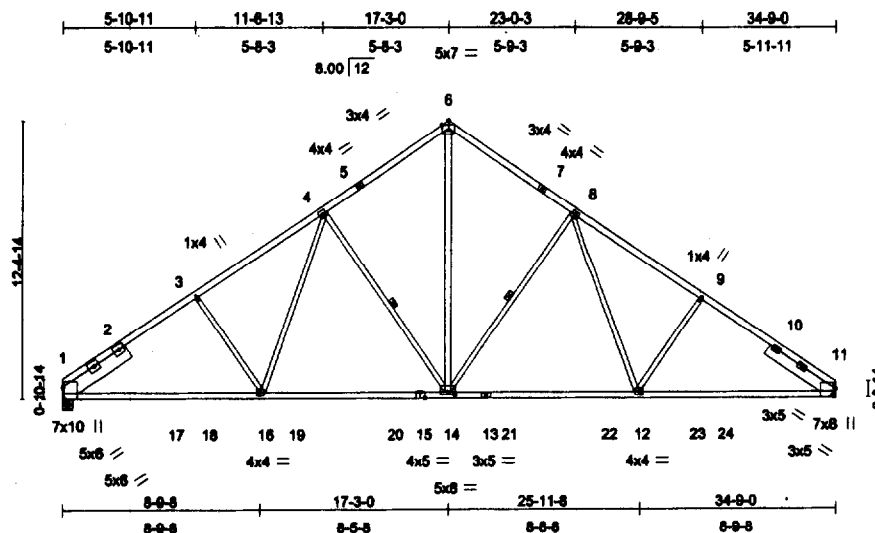
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR,
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T5 | ROOF TRUSS | 2 | 1 | (optional) |

U1028516

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Wed Jul 02 13:58:27 2003 Page 1



Scale = 1:97.9

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]

| LOADING (psf) | SPACING | CSI | DEFL | In (loc) | I/defl | PLATES | GRIP |
|---------------|----------------------|----------|----------------------------|----------|--------|----------------|---------|
| TCLL 56.0 | Plates Increase 1.15 | TC 0.85 | Vert(LL) -0.38 | 12-14 | >989 | M120 | 197/144 |
| TCDL 10.0 | Lumber Increase 1.15 | BC 0.94 | Vert(TL) -0.51 | 12-14 | >811 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.98 | Horz(TL) 0.16 | 11 | n/a | | |
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/defl = 360 | | | | |
| | | | | | | Weight: 153 lb | |

LUMBER

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"

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

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

REACTIONS (lb/size) 1=2880/0-5-6, 11=2873/Mechanical

Max Horz 1=347(load case 4)

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

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=4217, 2-3=3987, 3-4=3754, 4-5=2815, 5-6=2441, 6-7=2439, 7-8=2819, 8-9=3863, 9-10=4089, 10-11=4273

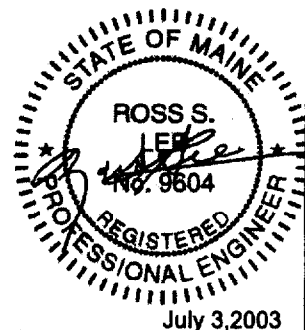
BOT CHORD 1-17=3182, 17-18=3182, 18-19=3182, 19-20=2771, 20-21=2771, 21-22=2807, 22-23=2807, 23-24=3312, 11-24=3312

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

NOTES

- 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.
- 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.
- Refer to girder(s) for truss to truss connections.
- 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.
- This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



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



MITTEK 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.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T6 | ROOF TRUSS | 3 | 1 | (optional) |

U1028517

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Wed Jul 02 13:58:28 2003 Page 1

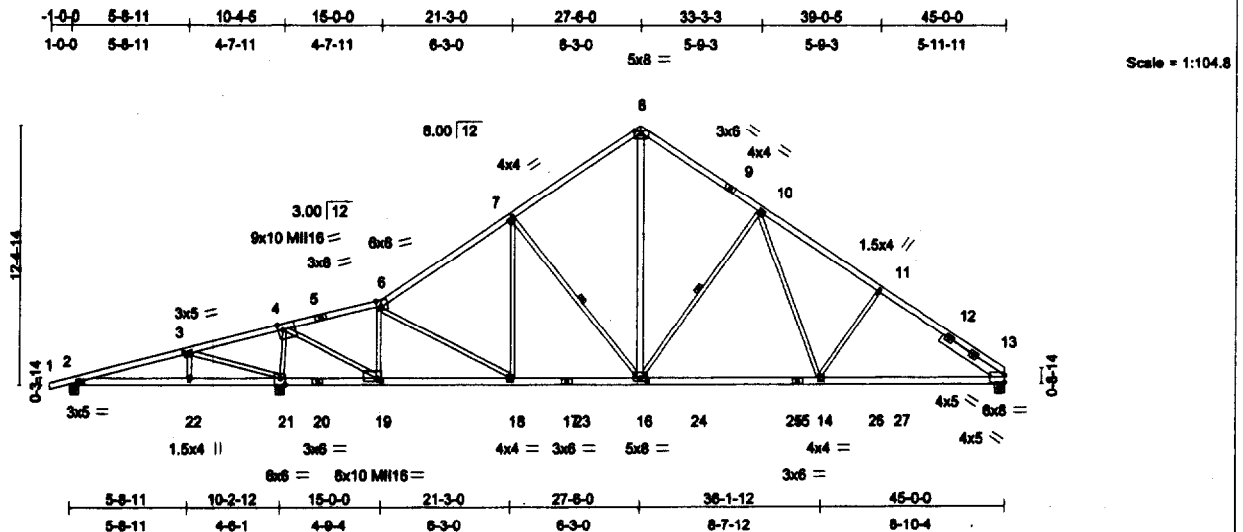


Plate Offsets (X,Y): [3:0-1-12,0-1-8], [4:0-2-12,Edge], [6:0-2-4,Edge], [7:0-2-0,0-1-8], [13:0-0-0,0-4-2], [16:0-4-0,0-1-12], [19:0-2-12,0-1-8], [21:0-3-0,Edge]

| | | | | | |
|----------------------|----------------------|------------|----------------------------|----------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.97 | in (loc) l/defl | MI120 | 187/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.88 | Vert(LL) -0.41 14-16 >999 | MI116 | 127/82 |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.98 | Vert(TL) -0.56 14-16 >742 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.10 13 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | | |
| | | | | Weight: 183 lb | |

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 2 X 3 SPF No.2 "Except"
 4-19 2 X 3 SPF 1650F 1.5E, 8-16 2 X 4 SPF No.2
 10-16 2 X 3 SPF 1650F 1.5E
 SLIDER Right 2 X 5 SPF 1650F 1.5E 3-6-11

BRACING

TOP CHORD Sheathed.
 BOT CHORD Rigid ceiling directly applied or 5-4-6 oc bracing.
 WEBS 1 Row at midpt 7-16, 10-16

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 Uplift 2=207(load case 4), 21=515(load case 6), 13=323(load case 6)
 Max Grav 2=519(load case 2), 21=4157(load case 1), 13=2702(load case 1)

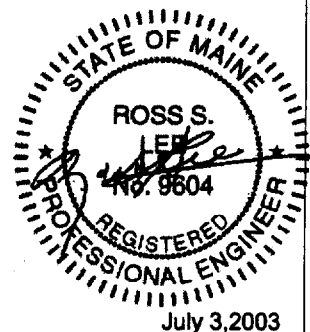
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=337, 3-4=1814, 4-5=2086, 5-6=1852, 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,
 24-25=2561, 15-25=2561, 14-15=2561, 14-26=3087, 26-27=3087, 13-27=3087
 WEBS 3-22=118, 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

- 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 7-83 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
- Design load is based on 56.0 psf specified roof snow load.
- Unbalanced snow loads have been considered for this design.
- All plates are MI120 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.
- WARNING: Required bearing size at joint(s) 21 greater than input bearing size.
- 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.
- 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.



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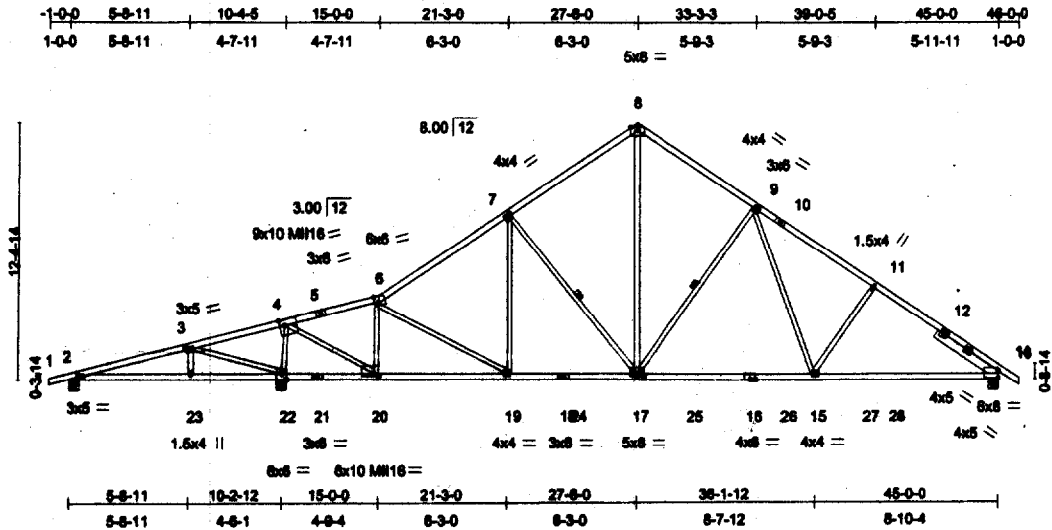
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T&A | ROOF TRUSS | 3 | 1 | (optional) |

U1028518

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:105.7

Plate Offsets (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]

| | | | | | | | | |
|---------------|-----------------|-------------|----------|----------------------|-------------|--------|----------------|---------|
| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | In (loc) | I/defl | PLATES | GRIP |
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.97 | Vert(LL) | -0.41 15-17 | >999 | MII20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.87 | Vert(TL) | -0.56 15-17 | >739 | MII16 | 127/82 |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.98 | Horz(TL) | 0.10 13 | n/a | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min I/defl | = 360 | | Weight: 184 lb | |

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 2 X 3 SPF No.2 "Except"
4-20 2 X 3 SPF 1650F 1.5E, 6-17 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

BRACING

TOP CHORD Sheathed.
BOT CHORD Rigid ceiling directly applied or 5-4-4 oc bracing.
WEBS 1 Row at midpt 7-17, 9-17

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

Max Horz2=353(load case 5)
Max Uplift2=209(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=2836(load case 1)

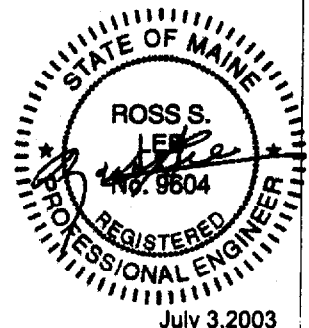
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=29, 2-3=336, 3-4=1815, 4-5=2083, 5-6=1949, 6-7=3045, 7-8=2534, 8-9=2510, 9-10=3185, 10-11=3585,
11-12=3796, 12-13=3981, 13-14=32
BOT CHORD 2-23=232, 22-23=221, 21-22=1881, 20-21=1691, 19-20=2004, 18-19=2359, 18-24=2359, 17-24=2359, 17-25=2556,
16-25=2556, 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 psf bottom chord dead load, 100 mi from hurricane coastline, 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) 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 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) 22 greater than input bearing size.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 2, 511 lb uplift at joint 22 and 381 lb uplift at joint 13.
- 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, 1997
FORM AN INTEGRAL PART OF THIS DESIGN.



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Bradford, Ontario, L3Z 2B7



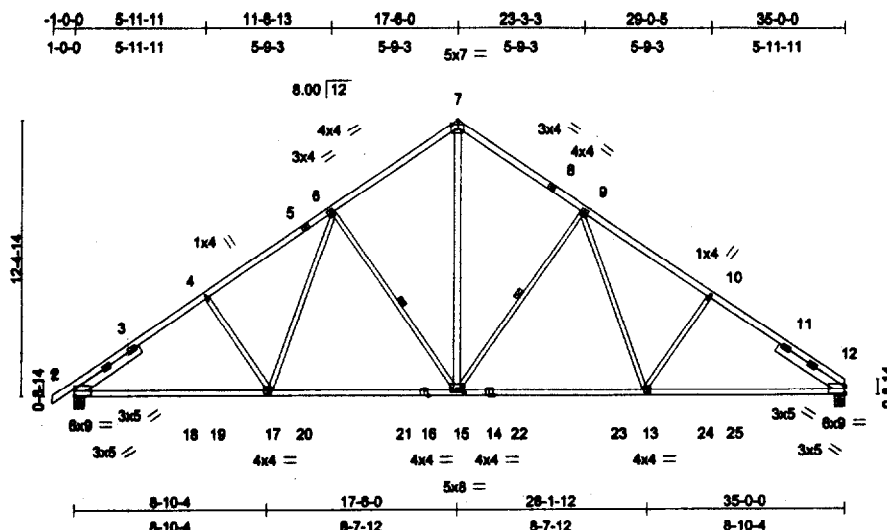
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR,
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | T7 | ROOF TRUSS | 1 | 1 | (optional) |

U1028519

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Wed Jul 02 13:58:30 2003 Page 1



Scale = 1:96.7

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 | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.99 | in (loc) l/defl | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.95 | Vert(LL) -0.40 13-15 >999 | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.98 | Vert(TL) -0.54 13-15 >784 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.16 12 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | Weight: 151 lb | |

LUMBER

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
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 3 SPF No.2 *Except*
 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
 SLIDER Left 2 X 5 SPF 1650F 1.5E 3-6-11, Right 2 X 5 SPF 1650F 1.5E 3-6-11

BRACING

TOP CHORD Sheathed.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 6-15, 9-15

REACTIONS (lb/size) 2=3028/0-5-8, 12=2890/0-5-8

Max Horz2=364(load case 5)
 Max Uplift2=401(load case 6), 12=343(load case 6)

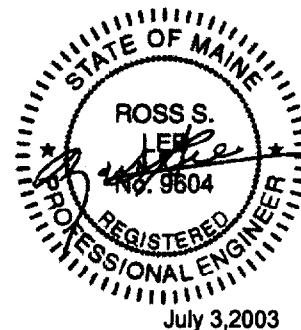
FORCES (lb) - First Load Case Only

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

- 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.
- 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.
- 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.
- 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.



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



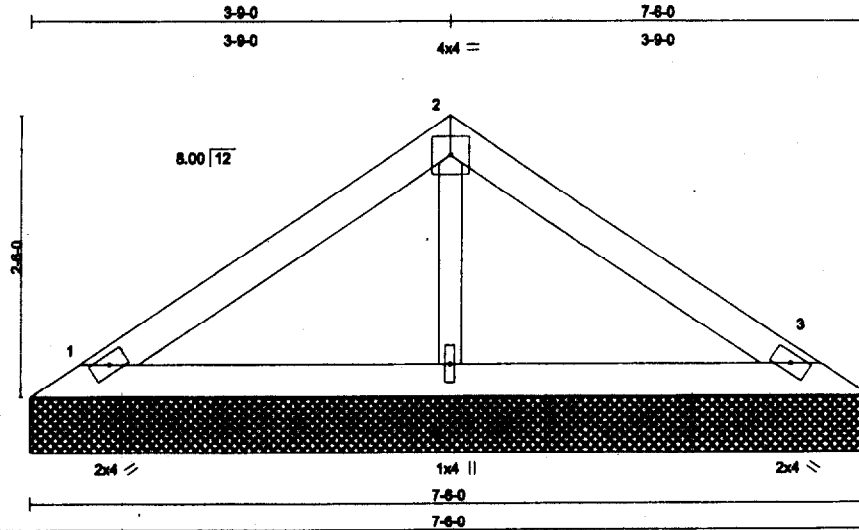
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V10 | ROOF TRUSS | 1 | 1 | (optional) |

U1027201

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



Scale = 1:19.5

| | | | | | |
|----------------------|----------------------|------------|----------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.48 | in (loc) l/defl | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.08 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.07 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 3 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | | |
| | | | | Weight: 19 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

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=290/7-6-0, 3=290/7-6-0, 4=413/7-6-0

Max Horz 1=-63(load case 4)
 Max Uplift 1=-56(load case 6), 3=-56(load case 6), 4=-17(load case 6)
 Max Grav 1=320(load case 2), 3=320(load case 3), 4=413(load case 1)

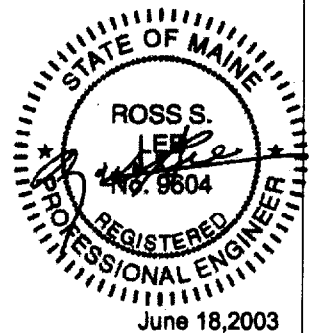
FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-186, 2-3=-186
 BOT CHORD 1-4=75, 3-4=75
 WEBS 2-4=-331

NOTES

- 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 coastline, 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 56 lb uplift at joint 1, 56 lb uplift at joint 3 and 17 lb 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, 1997
 FORM AN INTEGRAL PART OF THIS DESIGN.



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 Bradford, Ontario, L3Z 2B7



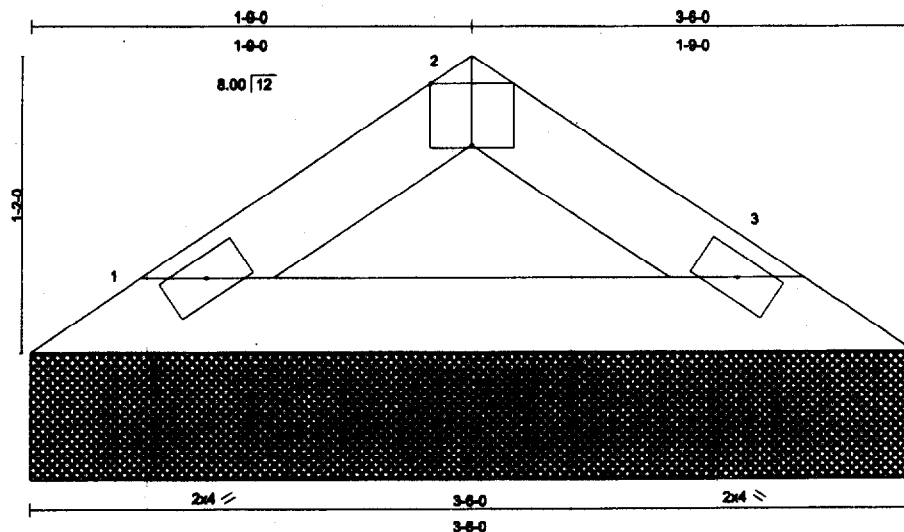
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V11 | ROOF TRUSS | 1 | 1 | (optional) |

U1027202

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



Scale = 1:8.6

Plate Offsets (X,Y): [2-0-2-0,Edge]

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | Vdefl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|---------------------|----------|-------|--------------|---------|
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.07 | Vert(LL) | n/a | n/a | MI20 | 187/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.07 | Vert(TL) | n/a | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.00 | Horz(TL) | 0.00 | 3 | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min Vdefl | = 360 | | Weight: 8 lb | |

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

BRACING

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

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

REACTIONS (lb/size) 1=183/3-6-0, 3=183/3-6-0

Max Horz 1=24(load case 5)

Max Uplift 1=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

NOTES

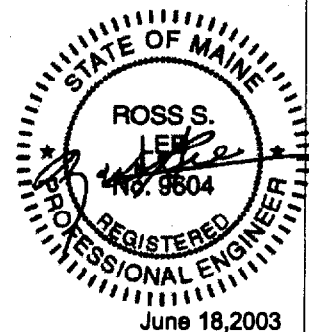
1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane coastline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with exposure C ASCE 7-93 per BOCA/ANSI95 if and 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 25 lb uplift at joint 1 and 25 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, 1997
FORM AN INTEGRAL PART OF THIS DESIGN.



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



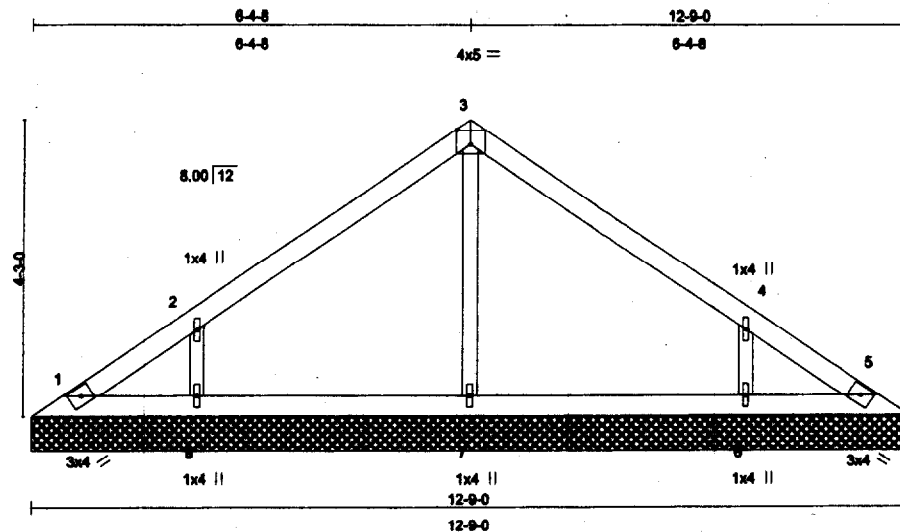
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR.
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V12 | ROOF TRUSS | 1 | 1 | (optional) |

U1027203

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



Scale = 1:31.7

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

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | l/defl | PLATES | GRIP |
|---------------|-----------------|-------------|----------|----------------------|----------|--------|---------------|---------|
| TCLL 56.0 | Plates Increase | 1.15 | TC 0.44 | Vert(LL) | n/a | - | MI20 | 197/144 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.07 | Vert(TL) | n/a | - | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.17 | Horz(TL) | 0.00 | 5 | | |
| BCDL 10.0 | Code | BOCA/ANSI95 | (Matrix) | 1st LC LL Min l/defl | = | 360 | Weight: 35 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

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=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 Uplift 1=35(load case 4), 5=-14(load case 5), 8=-140(load case 5), 6=-139(load case 4)

Max Grav 1=134(load case 1), 5=134(load case 1), 7=506(load case 1), 8=855(load case 2), 6=855(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-143, 2-3=-264, 3-4=-264, 4-5=-143

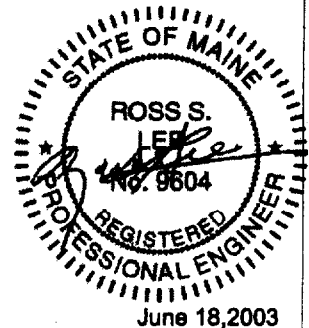
BOT CHORD 1-8=105, 7-8=105, 6-7=105, 5-6=105

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 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane coastline, 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 lb uplift at joint 8 and 139 lb uplift at joint 6.
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



**MITEK CANADA INC. GENERAL
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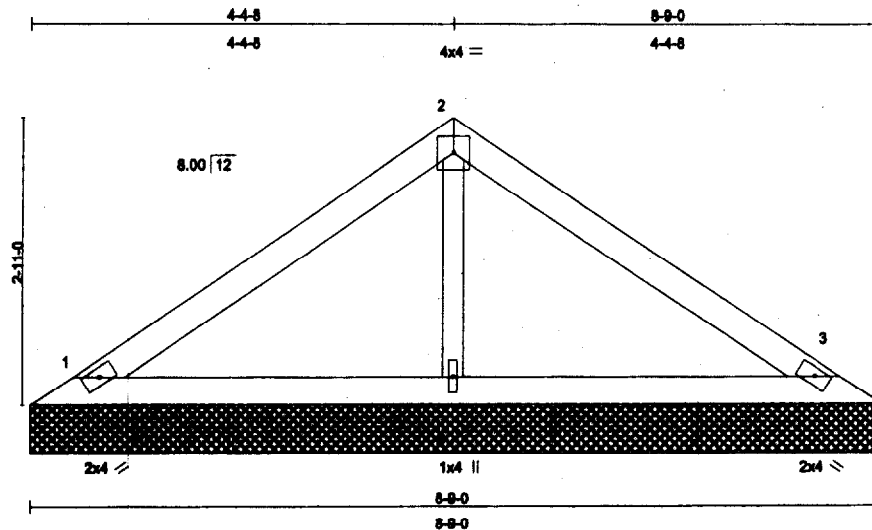
LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR.
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V13 | ROOF TRUSS | 1 | 1 | |
| | | | | | (optional) |

U1027204

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



Scale = 1:22.4

| | | | | | |
|----------------------|----------------------|------------|---------------------------|---------------|---------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.69 | in (loc) V/def | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.11 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.09 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 3 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min V/def = 360 | | Weight: 23 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

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=346/8-9-0, 3=346/8-9-0, 4=492/8-9-0

Max Horiz=75(load case 5)

Max Uplift=66(load case 6), 3=66(load case 6), 4=21(load case 6)

Max Grav=381(load case 2), 3=381(load case 3), 4=492(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

WEBS 2-4=394.

NOTES

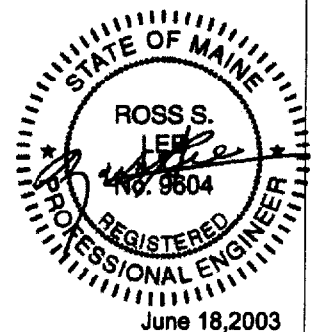
1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane coastline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft with 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 66 lb uplift at joint 1, 66 lb uplift at joint 3 and 21 lb 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, 1997
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Bradford, Ontario, L3Z 2B7



LOADING AND DIMENSIONS
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| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V15 | ROOF TRUSS | 1 | 1 | (optional) |

U1028520

Timber Top Trusses Ltd., Limestone, ME, 04750

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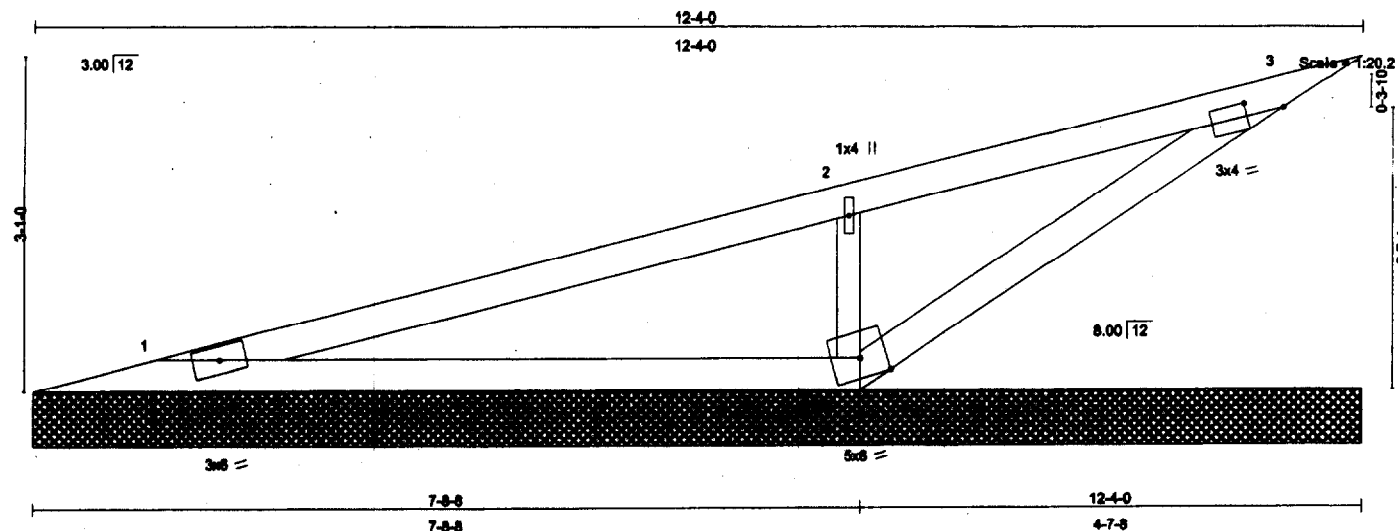


Plate Offsets (X,Y): [3:0-4-3,0-1-8], [4:0-2-14,Edge]

| LOADING (psf) | SPACING | CSI | DEFL | in (loc) | l/defl | PLATES | GRIP |
|---------------|----------------------|----------|----------------------------|----------|--------|---------------|---------|
| TCLL 56.0 | 2-0-0 | TC 0.82 | Vert(LL) | n/a | n/a | M120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.48 | Vert(TL) | n/a | n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.15 | Horz(TL) | -0.00 | 3 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | 1st LC LL Min l/defl = 360 | | | | |
| | Code BOCA/ANSI95 | | | | | Weight: 28 lb | |

LUMBER

TOP CHORD 2 X 4 SPF 1650F 1.5E

BOT CHORD 2 X 4 SPF No.2

WEBS 2 X 3 SPF No.2

BRACING

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=404/12-4-0, 4=1037/12-4-0, 3=144/12-4-0

Max Horz1=123(load case 4)

Max Uplift1=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=86

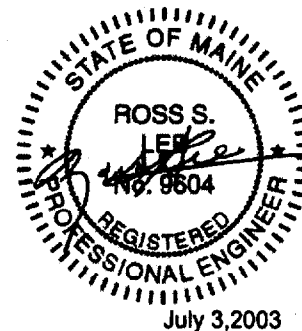
BOT CHORD 1-4=28, 3-4=78

WEBS 2-4=817

NOTES

- 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 coastline, on an occupancy category III, condition I enclosed building, of dimensions 46 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
- Gable requires continuous bottom chord bearing.
- * 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.
- 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.
- 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.
- This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



MITTEK CANADA, INC. GENERAL
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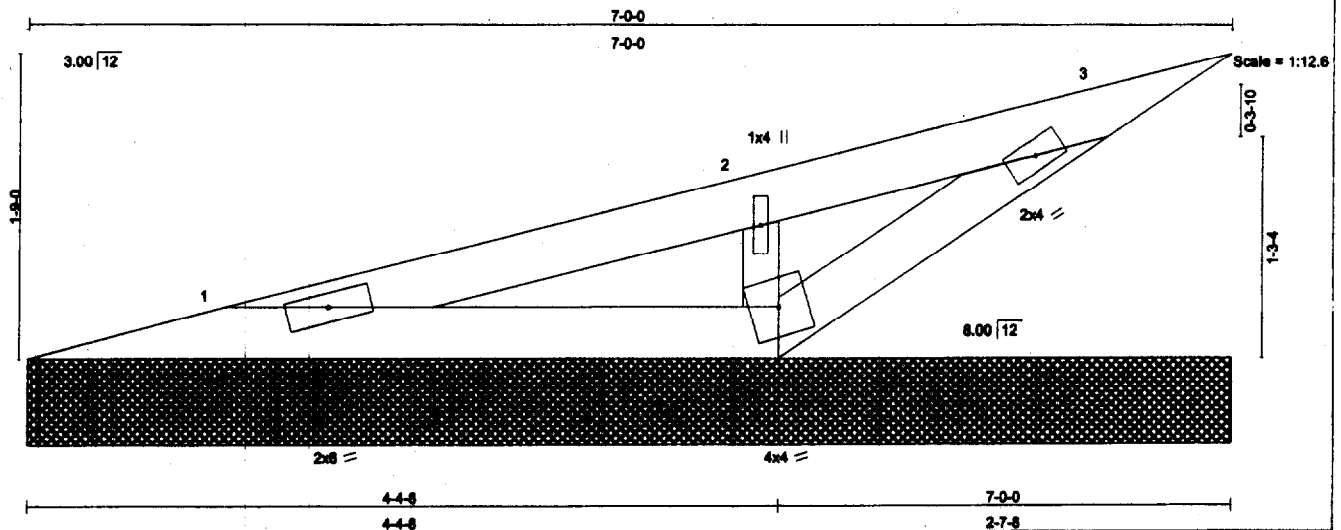
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AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V16 | ROOF TRUSS | 1 | 1 | (optional) |

U1028521

Timber Top Trusses Ltd., Limestone, ME, 04750

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| | | | | | |
|----------------------|----------------------|------------|---------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 58.0 | 2'-0" | TC 0.27 | in (loc) l/def | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.08 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.07 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Metric) | Horz(TL) -0.00 3 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/def = 360 | Weight: 15 lb | |

LUMBER

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

BRACING

TOP CHORD Sheathed or 6'-0" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6'-0" oc bracing.

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

Max Horz 1=61 (load case 4)

Max Uplift 1=24 (load case 4), 4=98 (load case 4), 3=15 (load case 4)

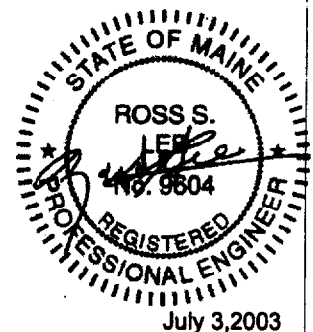
FORCES (lb) - First Load Case Only

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 coastline, 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" 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 4 and 15 lb uplift at joint 3.
- 6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard

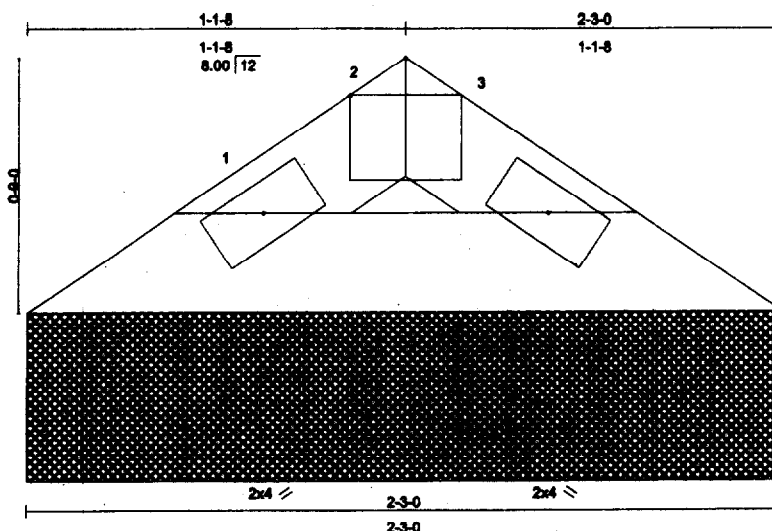


| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V2 | ROOF TRUSS | 1 | 1 | (optional) |

U1027209

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:23 2003 Page 1



Scale = 1:8.5

| | | | | | |
|----------------------|----------------------|------------|--------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.01 | In (loc) Vdef | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.01 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.00 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 3 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min Vdef = 360 | Weight: 4 lb | |

LUMBER

TOP CHORD 2 X 4 SPF No.2

BOT CHORD 2 X 4 SPF No.2

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

Max Horz1=12(load case 5)

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

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=-49, 2-3=-49

BOT CHORD 1-3=22

NOTES

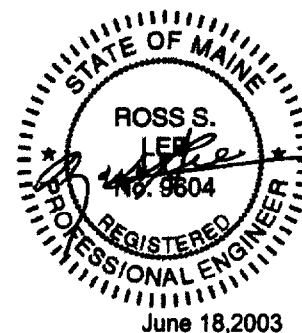
- 1) This truss has been designed for the wind loads generated by 80 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 100 mi from hurricane oceanline, on an occupancy category III, condition I enclosed building, of dimensions 45 ft by 24 ft 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 20.0psf 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 7 lb uplift at joint 1 and 7 lb uplift at joint 3.
- 5) This truss has been designed with ANSI/TPI 1-1985 criteria.

LOAD CASE(S) Standard

BRACING

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

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



MITek CANADA, INC. GENERAL
SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997
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Bradford, Ontario, L3Z 2B7

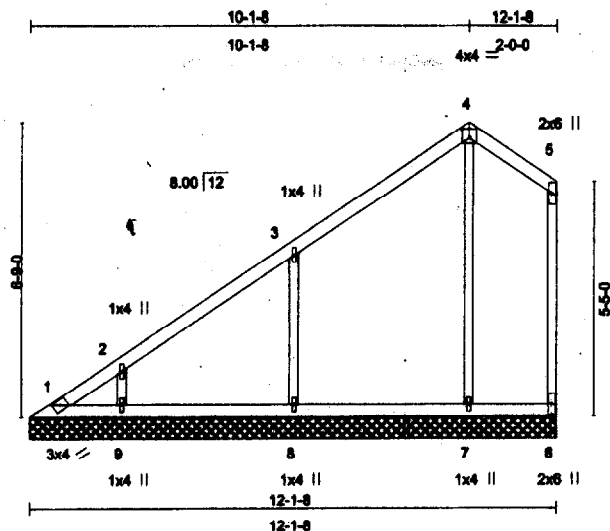


LOADING AND DIMENSIONS
SPECIFIED BY FABRICATOR.
SUBJECT TO VERIFICATION BY
AUTHORITIES IN JURISDICTION.

| | | | | | | |
|-------------|-------------|--------------------------|----------|----------|------------|----------|
| Job 985R | Truss V3 | Truss Type ROOF TRUSS | Qty 1 | Ply 1 | (optional) | U1027210 |
|-------------|-------------|--------------------------|----------|----------|------------|----------|

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:50.3

Plate Offsets (X,Y): [4:0-2-0,0-2-8]

| LOADING (psf) | SPACING | CSI | DEFL | In (loc) | I/defl | PLATES | GRIP |
|---------------|----------------------|----------|----------------------|----------|--------|---------------|---------|
| TCLL 56.0 | 2-0-0 | TC 0.44 | Vert(LL) | n/a | n/a | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.21 | Vert(TL) | n/a | n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.44 | Horz(TL) | 0.00 | 6 | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | 1st LC LL Min I/defl | = 360 | | | |
| | Code BOCA/ANSI95 | | | | | Weight: 43 lb | |

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

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.

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 Horz1=379(load case 5)

Max Uplift1=59(load case 4), 6=89(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=588(load case 2)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=105, 2-3=154, 3-4=134, 4-5=102, 5-6=63

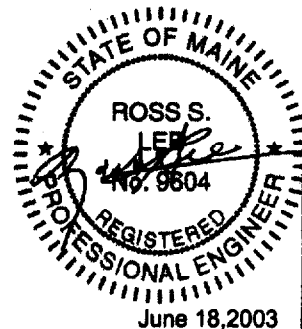
BOT CHORD 1-9=2, 8-9=2, 7-8=2, 6-7=2

WEBS 4-7=-431, 3-8=-564, 2-9=-440

NOTES

- 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 coastline, 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
- Gable requires continuous bottom chord bearing.
- * 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.
- Provide mechanical connection (by others) of truss 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.
- 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
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Bradford, Ontario, L3Z 2B7



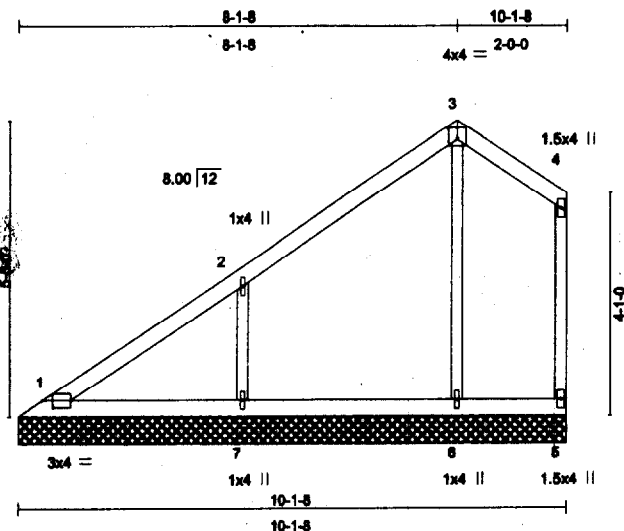
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AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V4 | ROOF TRUSS | 1 | 1 | (optional) |

U1027211

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MTek Industries, Inc. Tue Jun 17 16:04:24 2003 Page 1



Scale = 1:40.4

Plate Offsets (X,Y): [1:0-2-6,0-1-8], [3:0-2-0,0-2-8]

| LOADING (psf) | SPACING | CSI | DEFL | in (loc) | V/def | PLATES | GRIP |
|---------------|----------------------|----------|---------------------|----------|-------|---------------|---------|
| TCLL 56.0 | Plates Increase 1.15 | TC 0.43 | Vert(LL) | n/a | n/a | MH20 | 197/144 |
| TCDL 10.0 | Lumber Increase 1.15 | BC 0.18 | Vert(TL) | n/a | n/a | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.28 | Horz(TL) | 0.00 | 5 | | |
| BCDL 10.0 | Code BOCA/ANSI95 | (Matrix) | 1st LC LL Min V/def | = 360 | | | |
| | | | | | | Weight: 34 lb | |

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

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.

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

Max Horz1=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 (lb) - First Load Case Only

TOP CHORD 1-2=150, 2-3=134, 3-4=102, 4-5=63

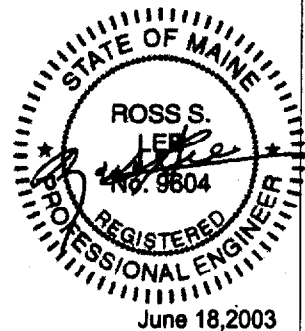
BOT CHORD 1-7=3, 6-7=3, 5-6=3

WEBS 3-6=-433, 2-7=-567

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 20.0psf 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(S) Standard



MITEK CANADA, INC. GENERAL
 SPECIFICATIONS (U.S.A.) DATED APRIL 1, 1997
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 Bradford, Ontario, L3Z 2B7



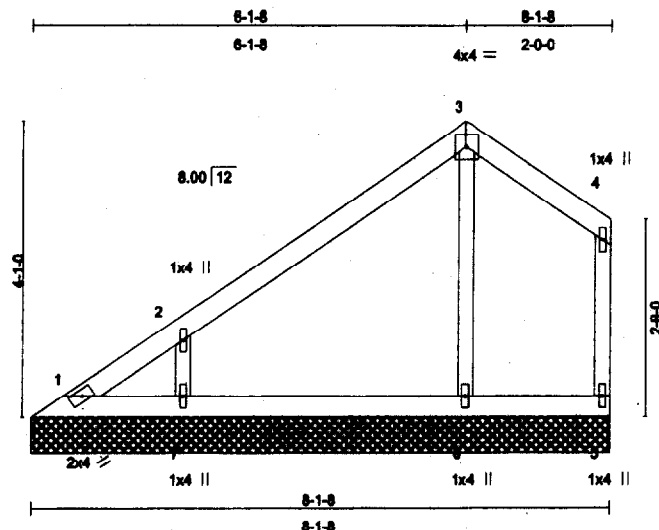
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| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V5 | ROOF TRUSS | 1 | 1 | (optional) |

U1027212

Timber Top Trusses Ltd., Limestone, ME, 04750

4.201 SR1 s Oct 17 2002 MITek Industries, Inc. Tue Jun 17 16:04:25 2003 Page 1



Scale = 1:30.4

LOADING (psf)
 TCLL 56.0
 TCCL 10.0
 BCCL 0.0
 BCDL 10.0

SPACING 2'-0"
 Plates Increase 1.15
 Lumber Increase 1.15
 Rep Stress Incr YES
 Code BOCA/ANSI95

CSI
 TC 0.58
 BC 0.05
 WB 0.12
 (Matrix)

DEFL in (loc) Vdefl
 Vert(LL) n/a - n/a
 Vert(TL) n/a - n/a
 Horiz(TL) 0.00 5 n/a
 1st LC LL Min Vdefl = 360

PLATES GRIP
 MI20 197/144
 Weight: 25 lb

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

BRACING

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

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

Max Horiz=202(load case 5)

Max Uplift=41(load case 4), 5=78(load case 4), 6=73(load case 5), 7=159(load case 5)

Max Grav=118(load case 5), 5=159(load case 3), 6=410(load case 1), 7=728(load case 2)

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=127, 2-3=80, 3-4=56, 4-5=125

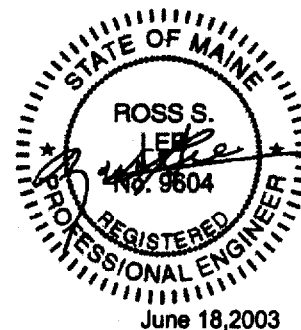
BOT CHORD 1-7=0, 6-7=0, 5-8=0

WEBS 3-6=339, 2-7=543

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 coastline, 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" between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 1, 78 lb uplift at joint 5, 73 lb 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
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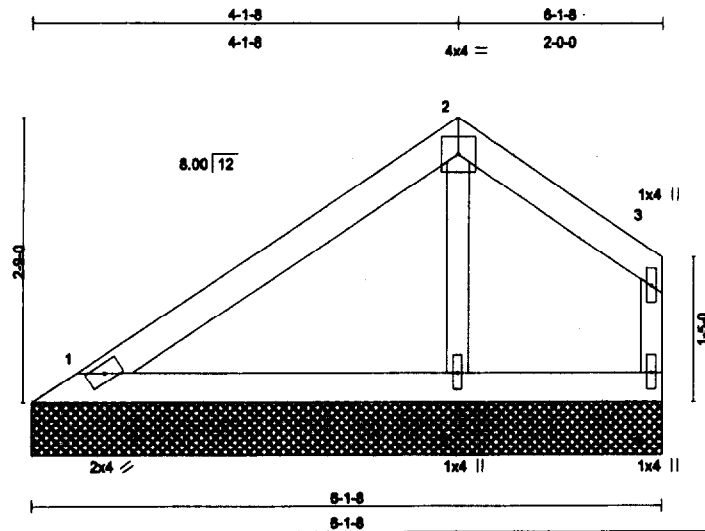
LOADING AND DIMENSIONS
 SPECIFIED BY FABRICATOR.
 SUBJECT TO VERIFICATION BY
 AUTHORITIES IN JURISDICTION.

| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V6 | ROOF TRUSS | 1 | 1 | (optional) |

U1027213

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:21.1

| | | | | | |
|----------------------|----------------------|------------|---------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.60 | In (loc) Vdefl | MI120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.06 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.08 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 4 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min Vdefl = 360 | Weight: 17 lb | |

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

BRACING

TOP CHORD Sheathed or 6-1-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

Max Horz 1=114(load case 5)

Max Uplift 1=30(load case 6), 4=59(load case 4), 5=56(load case 5)

Max Grav 1=321(load case 2), 4=157(load case 3), 5=441(load case 1)

FORCES (lb) - First Load Case Only

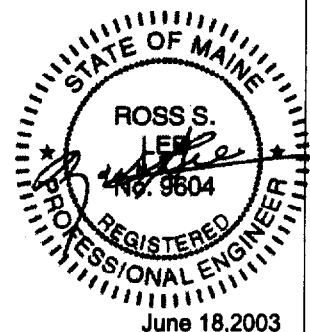
TOP CHORD 1-2=107, 2-3=-56, 3-4=-125

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

WEBS 2-5=-366

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 20.0psf 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(S) Standard

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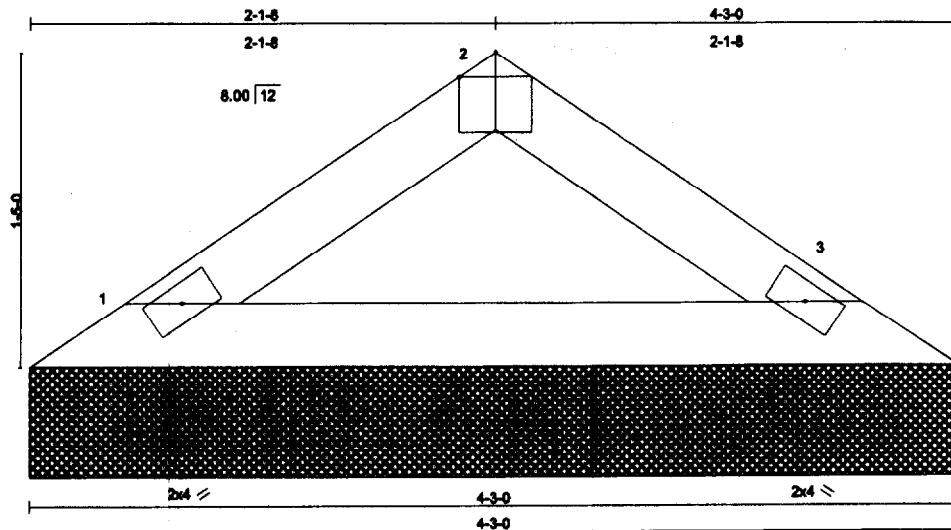
| | | | | | |
|------|-------|------------|-----|-----|------------|
| Job | Truss | Truss Type | Qty | Ply | |
| 985R | V7 | ROOF TRUSS | 1 | 1 | (optional) |

U1027214

Timber Top Trusses Ltd., Limestone, ME, 04750

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3x4 =



Scale = 1:8.9

| | | | | | |
|----------------------|----------------------|------------|----------------------------|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 56.0 | 2-0-0 | TC 0.12 | in (loc) l/defl | MI120 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.10 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.00 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 3 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | Weight: 9 lb | |

LUMBER

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

BRACING

TOP CHORD Sheathed or 4-3-0 oc purlins.
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 Horz 1=-31(load case 4)

Max Uplift 1=-32(load case 6), 3=-32(load case 6)

FORCES (lb) - First Load Case Only

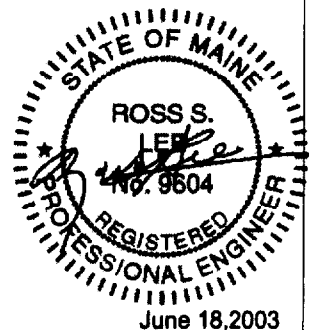
TOP CHORD 1-2=-244, 2-3=-244

BOT CHORD 1-3=163

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 coastline, 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 32 lb uplift at joint 1 and 32 lb uplift at joint 3.
- 5) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



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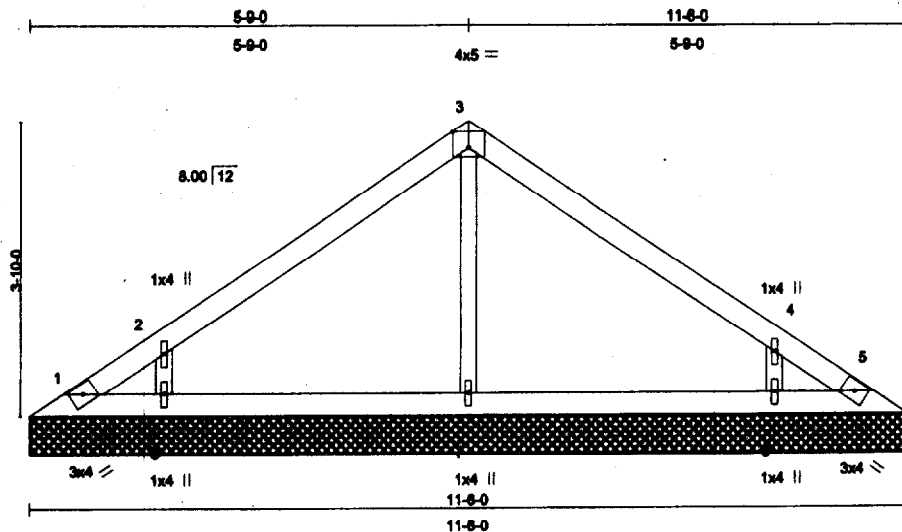


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AUTHORITIES IN JURISDICTION.**

| | | | | | | |
|-------------|-------------|--------------------------|----------|----------|------------|----------|
| Job 985R | Truss V9 | Truss Type ROOF TRUSS | Qty 1 | Ply 1 | (optional) | U1027216 |
|-------------|-------------|--------------------------|----------|----------|------------|----------|

Timber Top Trusses Ltd., Limestone, ME, 04750

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Scale = 1:28.8

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

| | | | | | |
|----------------------|----------------------|------------|----------------------------|---------------|---------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 58.0 | 2-0-0 | TC 0.47 | in (loc) l/defl | MI20 | 197/144 |
| TCDL 10.0 | Plates Increase 1.15 | BC 0.09 | Vert(LL) n/a - n/a | | |
| BCLL 0.0 | Lumber Increase 1.15 | WB 0.14 | Vert(TL) n/a - n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | (Matrix) | Horz(TL) 0.00 5 n/a | | |
| | Code BOCA/ANSI95 | | 1st LC LL Min l/defl = 360 | | Weight: 31 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

BRACING

TOP CHORD Sheathed or 8-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/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 Horz1=101(load case 5)

Max Uplift1=39(load case 4), 5=-20(load case 5), 7=-11(load case 6), 8=-142(load case 5), 6=-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 (lb) - First Load Case Only

TOP CHORD 1-2=-108, 2-3=-266, 3-4=-266, 4-5=-108

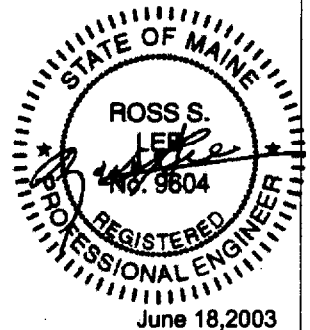
BOT CHORD 1-8=107, 7-8=107, 6-7=107, 5-6=107

WEBS 3-7=-416, 2-8=-452, 4-8=-452

NOTES

- 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 coastline, 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 plate grip increase is 1.33
- Gable requires continuous bottom chord bearing.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1, 20 lb uplift at joint 5, 11 lb uplift at joint 7, 142 lb uplift at joint 8 and 141 lb uplift at joint 6.
- This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



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