ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 10_Remington_Hill
Travis SC3593

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I50345218 thru I50345264

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844


February 22,2022

Sevier, Scott

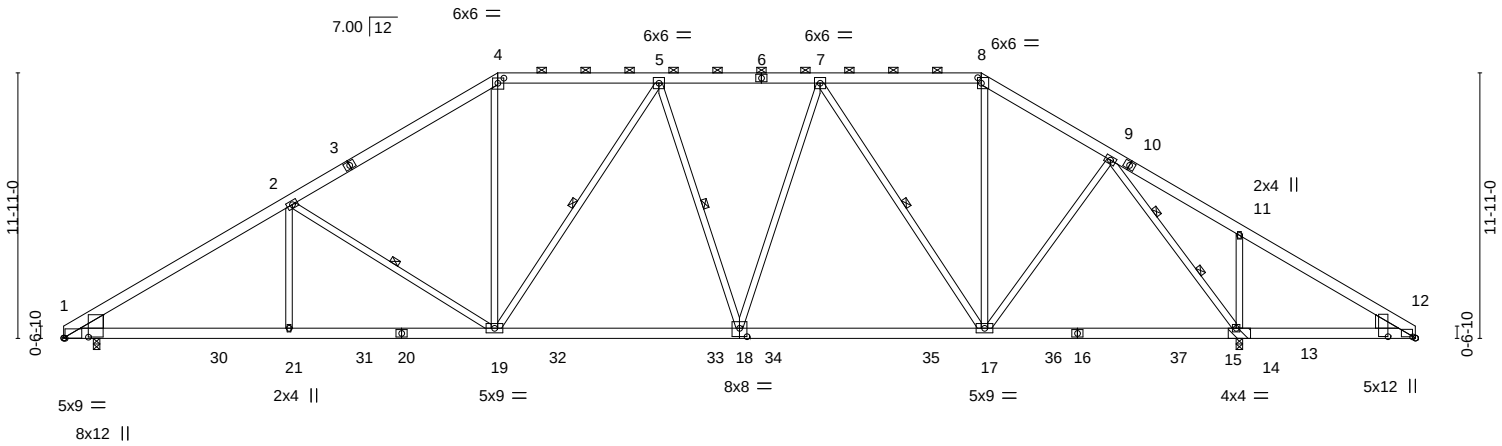
**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A | Piggyback Base | 7 | 1 | I50345218 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:04 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-NAC8ssjHmFrgxj0RHMxWeskMpd7tp8yTprZ3Ffzix2X

| 1-5-12 | 10-1-6 | 19-5-13 | 26-8-10 | 33-11-6 | 41-2-3 | 46-11-12 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|---|---|
| 1-5-12 | 8-7-10 | 9-4-6 | 7-2-13 | 7-2-13 | 7-2-13 | 5-9-8 | 5-9-8 | 7-10-12 |

Scale = 1:103.4




| 1-4-0 | 10-1-6 | 19-5-13 | 30-4-0 | 41-2-3 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|
| 1-4-0 | 8-9-6 | 9-4-6 | 10-10-3 | 10-10-3 | 11-7-1 | 7-10-12 |

Plate Offsets (X,Y)-- [1:0-0-8,1-1-4], [1:0-0-12,0-0-2], [4:0-3-4,0-2-12], [8:0-2-0,0-3-0], [12:0-0-12,1-2-12], [12:0-1-8,0-0-10], [18:0-4-0,0-4-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.84 | Vert(LL) | -0.22 | 18-19 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.61 | Vert(CT) | -0.39 | 18-19 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 1.00 | Horz(CT) | 0.09 | 14 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 472 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-19,7-17: 2x4 SP No.2 or 2x4 SPF No.2
WEDGE
Left: 2x8 SP No.2 , Right: 2x8 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins, except 2-0-0 oc purlins (4-7-8 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-14.
WEBS 1 Row at midpt 2-19, 5-19, 5-18, 7-17
2 Rows at 1/3 pts 9-14

**REACTIONS.** (size) 14=0-3-8 (req. 0-4-7), 1=0-3-8
Max Horz 1=-282(LC 8)
Max Uplift 14=-222(LC 13), 1=-197(LC 12)
Max Grav 14=2816(LC 2), 1=2219(LC 2)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3195/565, 2-4=-2728/586, 4-5=-2242/574, 5-7=-2398/586, 7-8=-1636/464, 8-9=-1977/487, 9-11=0/528, 11-12=-92/583
BOT CHORD 1-21=-343/2674, 19-21=-343/2674, 18-19=-319/2421, 17-18=-279/2228, 14-17=-110/1174, 12-14=-408/166
WEBS 2-19=-627/290, 4-19=-79/896, 5-19=-462/289, 7-18=0/597, 7-17=-1123/245, 8-17=-80/688, 9-17=-65/820, 9-14=-2547/366, 11-14=-470/267

**NOTES-**
1) 2x6 SP DSS bearing block 12" long at jt. 14 attached to front face with 3 rows of 10d (0.120"x3") nails spaced 3" o.c. 12 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 4x6 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) WARNING: Required bearing size at joint(s) 14 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=222.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Edenton, NC 27932

**NOTES-**

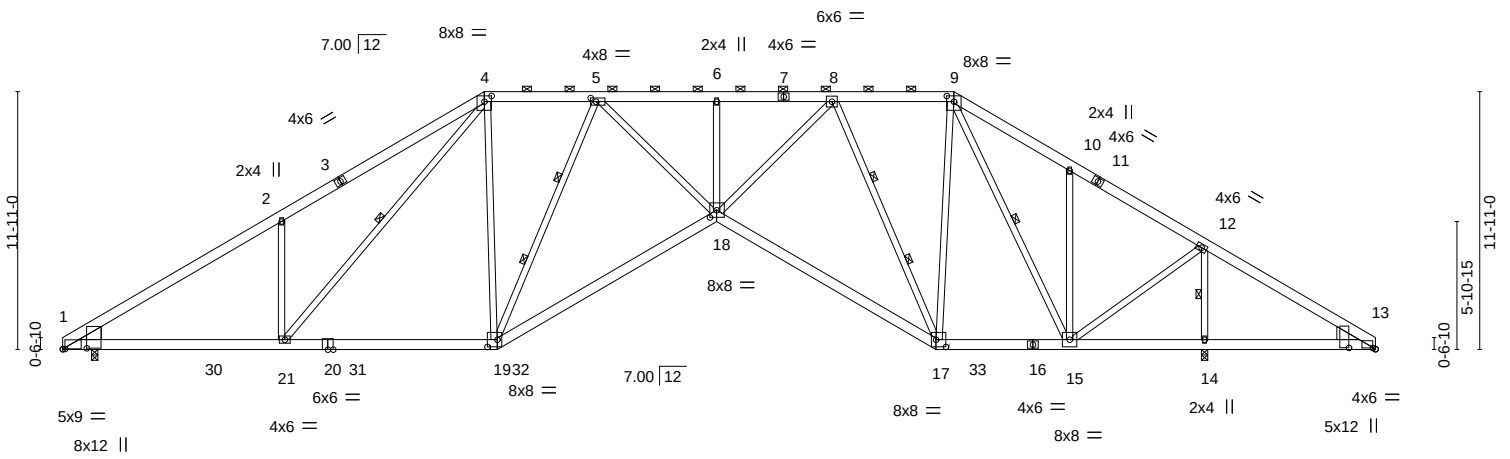
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A1 | Piggyback Base | 6 | 1 | I50345219 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:05 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-rNmW4CkvXZzWYtbdr4SlB4HX71PNYbqc2VJcn5zix2W

| 10-1-6 | 19-5-13 | 24-10-3 | 30-2-10 | 35-8-7 | 41-2-3 | 46-6-6 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|---|---|
| 10-1-6 | 9-4-6 | 5-4-7 | 5-4-7 | 5-5-13 | 5-5-13 | 5-4-3 | 6-2-14 | 7-10-12 |

Scale = 1:106.5




| 1-4-0 | 10-1-6 | 20-1-0 | 30-2-10 | 40-4-4 | 46-6-6 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|---|
| 1-4-0 | 8-9-6 | 9-11-10 | 10-1-10 | 10-1-10 | 6-2-2 | 6-2-14 | 7-10-12 |

Plate Offsets (X,Y)-- [1:0-0-8,1-1-4], [1:0-1-4,0-0-2], [4:0-4-0,0-3-3], [5:0-3-0,0-2-0], [9:0-4-0,0-3-3], [13:0-1-8,0-0-10], [13:0-0-12,1-2-12], [17:0-5-8,0-4-0], [18:0-3-12,0-4-0], [19:0-5-8,0-4-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.87 | Vert(LL) | -0.36 | 19-21 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.85 | Vert(CT) | -0.67 | 19-21 | >941 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.96 | Horz(CT) | 0.35 | 14 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 488 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
1-20: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
4-21,8-18,9-15: 2x4 SP No.2 or 2x4 SPF No.2, 5-19: 2x4 SP No.1
8-17: 2x4 SP DSS
WEDGE
Left: 2x8 SP No.2 , Right: 2x8 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-2-10 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15,13-14.
WEBS 1 Row at midpt 4-21, 9-15, 12-14
2 Rows at 1/3 pts 5-19, 8-17

**REACTIONS.** (size) 14=0-3-8, 1=0-3-8
Max Horz 1=-282(LC 8)
Max Uplift 14=-222(LC 13), 1=-197(LC 12)
Max Grav 14=2736(LC 1), 1=2117(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3029/558, 2-4=-2998/792, 4-5=-2084/580, 5-6=-4489/800, 6-8=-4489/800, 8-9=-1533/483, 9-10=-1372/500, 10-12=-1394/359, 12-13=-72/603
BOT CHORD 1-21=-336/2527, 19-21=-281/2059, 18-19=-508/3341, 17-18=-428/2965, 15-17=-156/1455, 14-15=-437/148, 13-14=-437/148
WEBS 2-21=-510/398, 4-21=-362/934, 4-19=-160/638, 5-19=-2059/360, 5-18=-270/2310, 6-18=-307/151, 8-18=-374/2824, 8-17=-2563/466, 9-17=-128/1107, 9-15=-817/128, 10-15=-356/235, 12-15=-231/1899, 12-14=-2491/508

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)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**NOTES-**

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A2 | Piggyback Base | 1 | 1 | I50345220 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:12 2022 Page 1
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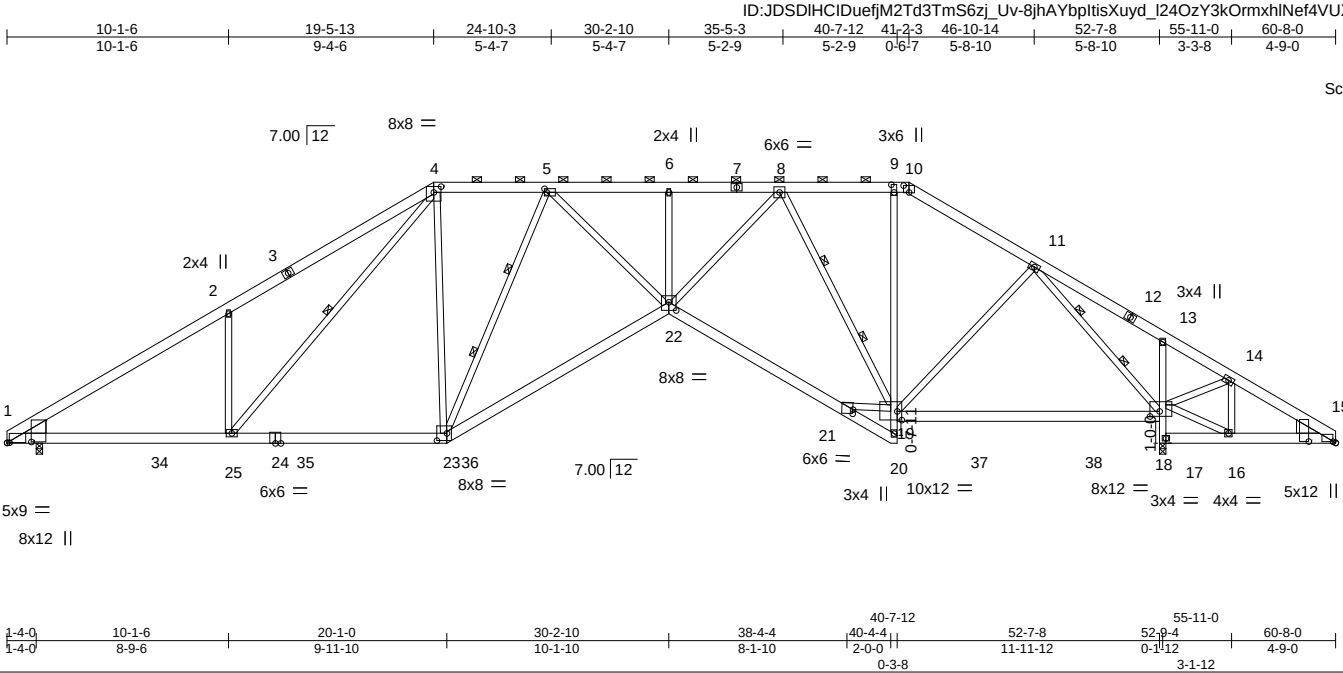


Plate Offsets (X,Y)-- [1:0-0-8,1-1-4], [1:0-1-4,0-0-2], [4:0-4-0,0-3-3], [5:0-1-4,0-2-0], [9:0-4-4,0-1-8], [10:0-3-0,0-3-12], [15:0-0-12,1-2-12], [15:0-1-8,0-0-10], [18:0-5-4,0-2-12], [19:0-2-8,0-4-12], [21:0-0-2,0-2-4], [22:0-4-0,0-4-8], [23:0-5-8,0-4-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.87 | Vert(LL) | -0.46 | 22-23 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.98 | Vert(CT) | -0.97 | 22-23 | >654 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.98 | Horz(CT) | 0.60 | 17 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 488 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
1-24,20-22: 2x6 SP DSS, 9-20: 2x4 SP No.2
13-17: 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 *Except*
4-25,8-22: 2x4 SP No.2 or 2x4 SPF No.2, 5-23,8-19: 2x4 SP No.1
WEDGE
Left: 2x8 SP No.2 , Right: 2x8 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-3-0 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-25
2 Rows at 1/3 pts 5-23, 8-19, 11-18

**REACTIONS.** (size) 1=0-3-8, 17=0-3-8
Max Horz 1=-282(LC 8)
Max Uplift 1=-197(LC 12), 17=-222(LC 13)
Max Grav 1=2117(LC 1), 17=2736(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3017/557, 2-4=-2987/792, 4-5=-2088/580, 5-6=-4436/795, 6-8=-4436/795, 8-9=-1594/475, 9-10=-1615/476, 10-11=-1938/499, 11-13=-23/692, 13-14=-120/719, 14-15=-41/383
BOT CHORD 1-25=-336/2518, 23-25=-282/2062, 22-23=-504/3299, 21-22=-424/3050, 20-21=-268/791, 19-20=-829/214, 9-19=-99/652, 18-19=-129/1154, 17-18=-2736/485, 13-18=-385/183, 16-17=-349/0, 15-16=-286/95
WEBS 2-25=-511/398, 4-25=-362/927, 4-23=-159/643, 5-23=-2014/354, 5-22=-263/2253, 6-22=-314/148, 8-22=-342/2554, 8-19=-2494/452, 11-19=-59/688, 11-18=-2641/454, 19-21=-182/2355, 14-18=-348/156

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.


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**NOTES-**

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=197, 17=222.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A3 | Piggyback Base | 4 | 1 | I50345221 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:14 2022 Page 1
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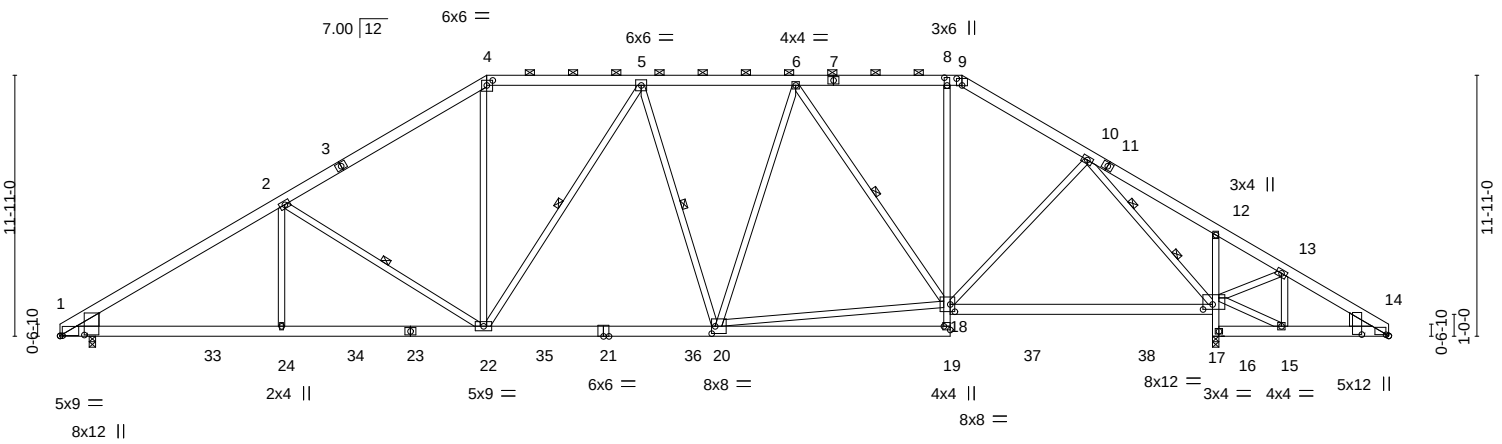
| 10-1-6 | 19-5-13 | 26-6-7 | 33-7-2 | 40-7-12 | 41-2-3 | 46-10-14 | 52-7-8 | 55-11-0 | 60-8-0 |
|---|---|---|---|---|---|---|---|---|---|
| 10-1-6 | 9-4-6 | 7-0-10 | 7-0-10 | 7-0-10 | 0-6-7 | 5-8-10 | 5-8-10 | 3-3-8 | 4-9-0 |

Scale = 1:105.2




| 1-5-12 | 10-1-6 | 19-5-13 | 30-0-12 | 40-7-12 | 52-7-8 | 55-11-0 | 59-2-4 | 60-8-0 |
|---|---|---|---|---|---|---|---|---|
| 1-4-0 | 8-7-10 | 9-4-6 | 10-7-0 | 10-7-0 | 11-11-12 | 0-1-12 | 3-3-4 | 1-5-12 |
| 0-1-12 | | | | | | 3-1-12 | | |

Plate Offsets (X,Y)-- [1:0-0-8,1-1-4], [1:0-1-4,0-0-2], [4:0-3-4,0-2-12], [8:0-4-4,0-1-8], [9:0-3-0,0-3-12], [14:0-1-8,0-0-10], [14:0-0-12,1-2-12], [17:0-5-4,0-2-12], [18:0-2-8,0-4-0], [19:Edge,0-3-8], [20:0-1-15,0-4-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.82 | Vert(LL) | -0.28 | 20-22 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.84 | Vert(CT) | -0.53 | 17-18 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.95 | Horz(CT) | 0.11 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 494 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 *Except* |
| | 1-23: 2x6 SP DSS, 8-19: 2x4 SP No.3 |
| | 12-16: 2x4 SP No.2 or 2x4 SPF No.2 |
| WEBS | 2x4 SP No.3 *Except* |
| | 5-22: 2x4 SP No.2 or 2x4 SPF No.2 |

WEDGE
Left: 2x8 SP No.2 , Right: 2x8 SP No.2

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-9-7 oc purlins, except 2-0-0 oc purlins (4-9-4 max.): 4-9. |
| BOT CHORD | Rigid ceiling directly applied or 2-10-0 oc bracing. |
| WEBS | 1 Row at midpt 2-22, 5-22, 5-20, 6-18 |
| | 2 Rows at 1/3 pts 10-17 |

**REACTIONS.** (size) 1=0-3-8, 16=0-3-8
Max Horz 1=-282(LC 8)
Max Uplift 1=-197(LC 12), 16=-222(LC 13)
Max Grav 1=2142(LC 2), 16=2736(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-3066/565, 2-4=-2587/588, 4-5=-2121/575, 5-6=-2205/587, 6-8=-1659/485, 8-9=-1662/482, 9-10=-1968/504, 10-12=-20/710, 12-13=-118/733, 13-14=-41/383 |
| BOT CHORD | 1-24=-342/2565, 22-24=-342/2565, 20-22=-317/2244, 8-18=-80/672, 17-18=-131/1185, 16-17=-2734/484, 12-17=-388/185, 15-16=-310/0, 14-15=-287/95 |
| WEBS | 2-22=-642/288, 4-22=-80/826, 5-22=-448/284, 6-20=0/344, 18-20=-235/2119, 6-18=-883/209, 10-18=-66/712, 10-17=-2690/461, 13-17=-356/154 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER

February 22,2022



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**NOTES-**

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=197, 16=222.

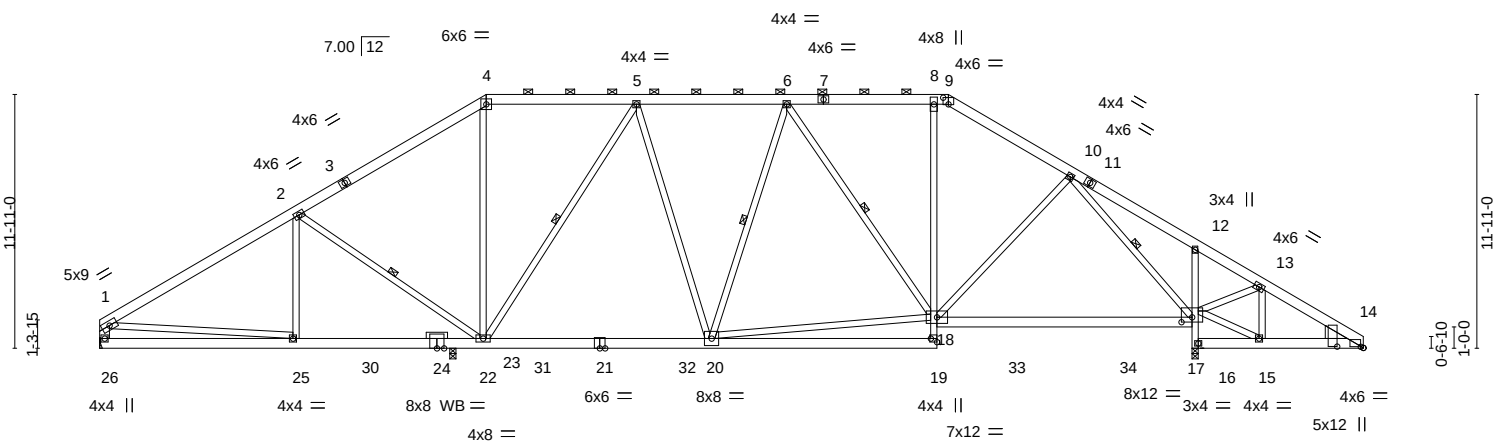
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A4 | Piggyback Base | 2 | 1 | I50345222 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:15 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-YINIAdsBAdE6lQMYQAd5bBhL53ocu6t5L2k88Wzix2M

| 9-2-10 | 18-1-13 | 25-2-7 | 32-3-2 | 39-3-12 | 39-10-3 | 45-6-14 | 51-3-8 | 54-7-0 | 59-4-0 |
|---|---|---|---|---|---|---|---|---|---|
| 9-2-10 | 8-11-2 | 7-0-10 | 7-0-10 | 7-0-10 | 0-6-7 | 5-8-10 | 5-8-10 | 3-3-8 | 4-9-0 |

Scale = 1:108.2




| 9-2-10 | 16-5-4 | 18-1-13 | 28-8-12 | 39-3-12 | 51-3-8 | 54-7-0 | 57-10-4 | 59-4-0 |
|---|---|---|---|---|---|---|---|---|
| 9-2-10 | 7-2-10 | 1-8-9 | 10-7-0 | 10-7-0 | 11-11-12 | 3-1-12 | 3-3-4 | 1-5-12 |

Plate Offsets (X,Y)-- [9:0-3-0,0-3-12], [14:0-0-12,1-2-12], [14:0-1-8,0-0-10], [17:0-6-0,0-2-12], [19:Edge,0-3-8]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.45 | Vert(LL) | -0.26 | 17-18 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.98 | Vert(CT) | -0.49 | 17-18 | >848 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.99 | Horz(CT) | 0.07 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 500 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-19: 2x4 SP No.3, 12-16: 2x4 SP No.2 or 2x4 SPF No.2
21-24: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-22: 2x4 SP No.2 or 2x4 SPF No.2, 1-26: 2x6 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Right: 2x8 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-6 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-22, 5-22, 6-20, 6-18, 10-17

**REACTIONS.** (size) 26=Mechanical, 16=0-3-8, 23=0-3-8
Max Horz 26=-279(LC 8)
Max Uplift 26=-126(LC 12), 16=-231(LC 13), 23=-93(LC 9)
Max Grav 26=1217(LC 1), 16=2362(LC 1), 23=1149(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1657/318, 2-4=-1279/361, 4-5=-992/373, 5-6=-1487/460, 6-8=-1240/410, 8-9=-1243/408, 9-10=-1496/419, 10-12=-20/725, 12-13=-118/737, 13-14=-41/382, 1-26=-1090/248
BOT CHORD 25-26=-263/604, 23-25=-227/1474, 22-23=-227/1474, 20-22=-248/1397, 8-18=-36/432, 17-18=-107/887, 16-17=-2360/419, 12-17=-370/181, 15-16=-305/0, 14-15=-285/95
WEBS 2-22=-596/279, 4-22=-10/270, 5-22=-889/256, 5-20=-6/368, 18-20=-190/1571, 6-18=-513/174, 10-18=-51/549, 10-17=-2231/381, 1-25=-71/963, 13-17=-365/154

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23 except (jt=lb) 26=126, 16=231.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A5 | ROOF TRUSS | 5 | 1 | I50345223 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:16 2022 Page 1
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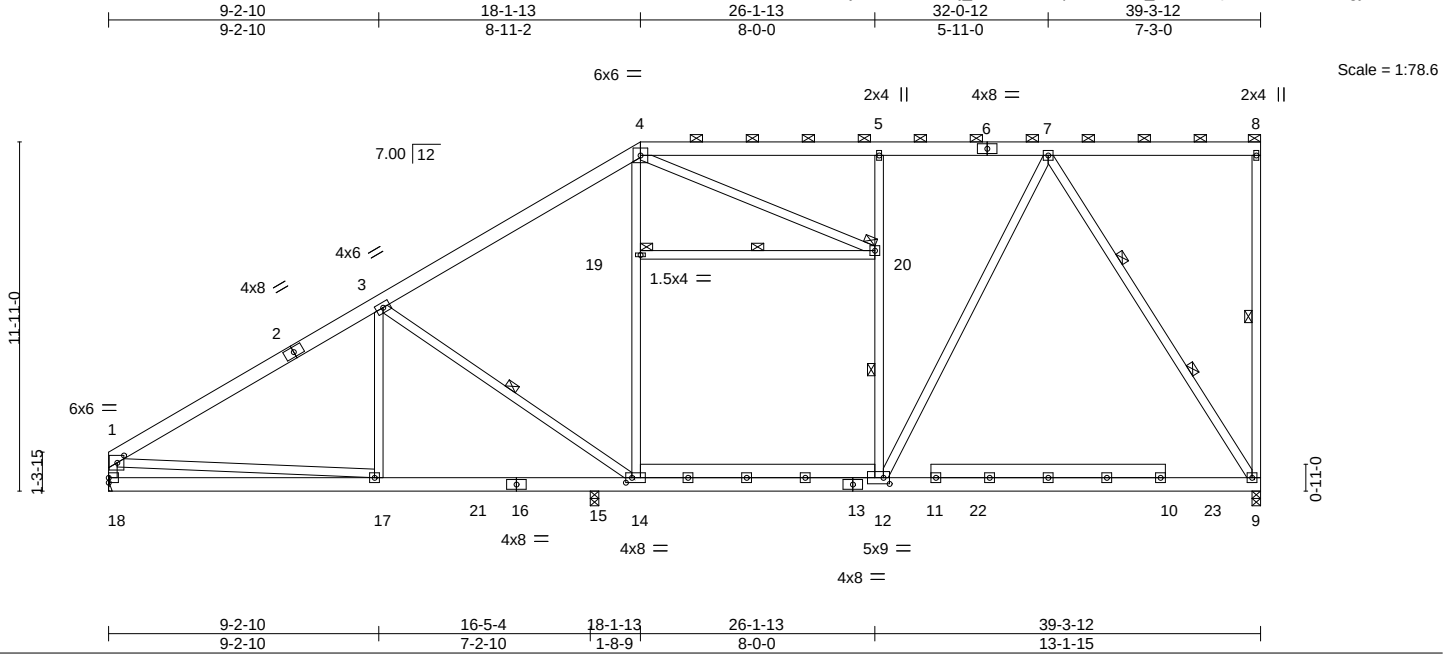


Plate Offsets (X,Y)-- [1:0-2-12,0-3-0], [12:0-2-8,0-2-8], [14:0-2-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.81 | Vert(LL) | -0.13 | 9-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.63 | Vert(CT) | -0.24 | 9-12 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.97 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.04 | 12-14 | 2530 | 360 | Weight: 378 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
16-18,9-13: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
7-12,7-9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-1 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-9, 3-14, 12-20, 19-20
2 Rows at 1/3 pts 7-9
JOINTS 1 Brace at Jt(s): 8, 19, 20

**REACTIONS.** (size) 9=0-3-8, 18=Mechanical, 15=0-3-8
Max Horz 18=407(LC 12)
Max Uplift 9=-119(LC 9), 15=-193(LC 12)
Max Grav 9=1729(LC 2), 18=1471(LC 2), 15=598(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2128/0, 3-4=-1671/4, 4-5=-1353/59, 5-7=-1345/60, 1-18=-1366/58
BOT CHORD 17-18=-442/638, 15-17=-273/1748, 14-15=-273/1748, 12-14=-61/1341, 9-12=-86/848
WEBS 3-14=-665/312, 14-19=-45/397, 4-19=0/439, 7-12=0/1103, 7-9=-1599/162, 1-17=0/1385, 12-20=-500/180, 5-20=-404/206

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 4x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 19-20; Wall dead load (5.0psf) on member(s).14-19, 12-20
8) Bottom chord live load (20.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=119, 15=193.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A6 | ROOF TRUSS | 1 | 1 | I50345224 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:17 2022 Page 1
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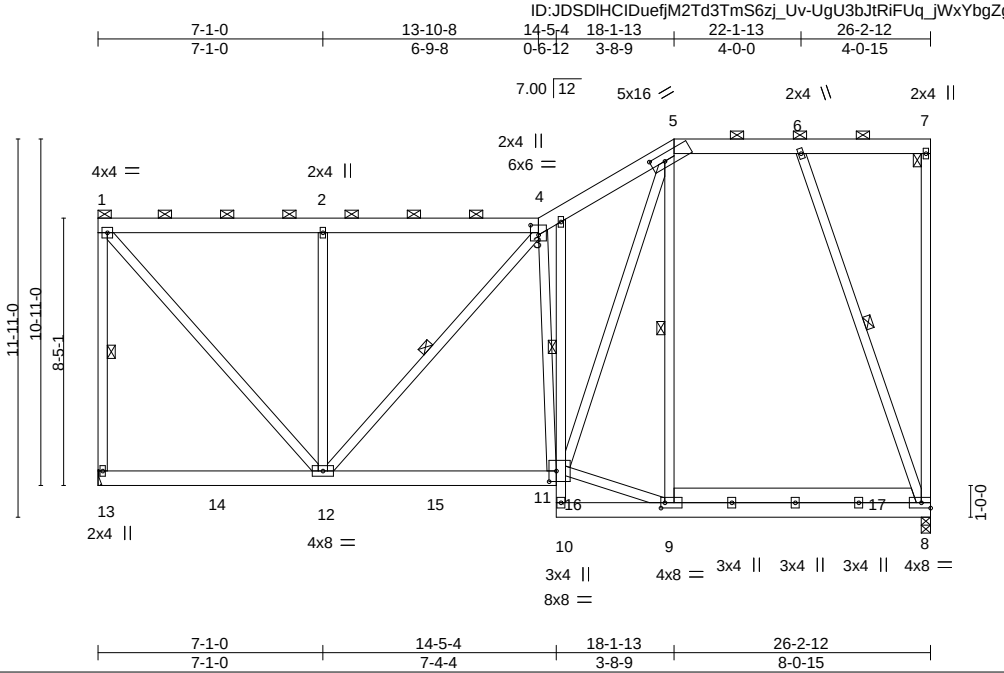


Scale = 1:72.6

Plate Offsets (X,Y)-- [3:0-3-0,0-3-12], [5:0-5-4,0-2-12], [9:0-1-8,0-2-0], [11:0-2-12,0-4-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.77 | Vert(LL) | -0.24 | 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.60 | Vert(CT) | -0.46 | 9-10 | >674 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.90 | Horz(CT) | -0.01 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 289 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2 *Except* 5-7: 2x6 SP DSS
BOT CHORD 2x6 SP No.2 *Except* 4-10: 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 1 Row at midpt 4-11
WEBS 1 Row at midpt 1-13, 3-12, 5-9, 6-8

**REACTIONS.** (size) 13=Mechanical, 8=0-3-8
Max Horz 13=96(LC 12)
Max Uplift 13=-135(LC 12), 8=-112(LC 12)
Max Grav 13=1098(LC 2), 8=1120(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-981/195, 1-2=-730/105, 2-3=-730/105, 3-4=-917/106, 4-5=-1166/195, 5-6=-418/95, 7-8=-37/290
BOT CHORD 11-12=-195/891, 4-11=-551/148, 8-9=-97/424
WEBS 1-12=-158/1102, 2-12=-477/222, 3-11=-344/145, 9-11=-42/345, 5-11=-277/1357, 6-8=-1227/279

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=135, 8=112.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A7 | ROOF TRUSS | 1 | 1 | I50345225 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:18 2022 Page 1
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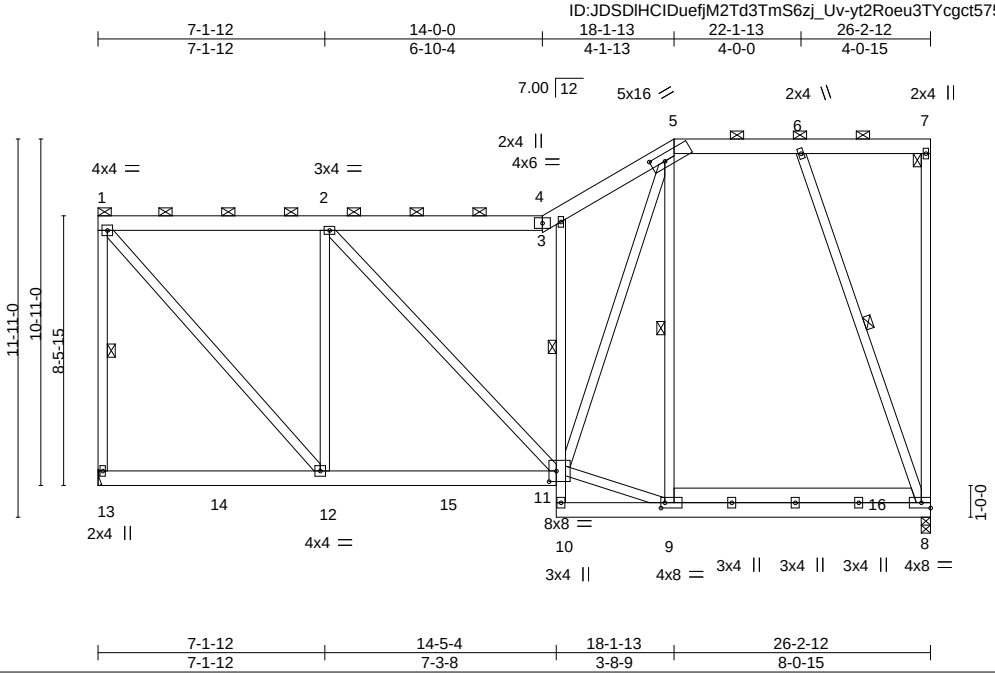


Scale = 1:72.6

Plate Offsets (X,Y)-- [5:0-5-4,0-2-12], [9:0-1-8,0-2-0], [11:0-2-12,0-4-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.76 | Vert(LL) | -0.24 | 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.59 | Vert(CT) | -0.46 | 9-10 | >673 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.89 | Horz(CT) | -0.01 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 279 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2 *Except* 5-7: 2x6 SP DSS
BOT CHORD 2x6 SP No.2 *Except* 4-10: 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 1 Row at midpt 4-11
WEBS 1 Row at midpt 1-13, 5-9, 6-8

**REACTIONS.** (size) 13=Mechanical, 8=0-3-8
Max Horz 13=94(LC 12)
Max Uplift 13=-136(LC 12), 8=-111(LC 12)
Max Grav 13=1118(LC 2), 8=1111(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-995/197, 1-2=-751/107, 2-3=-870/101, 3-4=-713/58, 4-5=-1177/202, 5-6=-413/94, 7-8=-36/283
BOT CHORD 11-12=-195/751, 4-11=-1046/267, 8-9=-96/419
WEBS 1-12=-161/1134, 2-12=-639/224, 9-11=-38/310, 5-11=-286/1361, 6-8=-1212/278

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=136, 8=111.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A8 | Piggyback Base | 1 | 1 | I50345226 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:19 2022 Page 1
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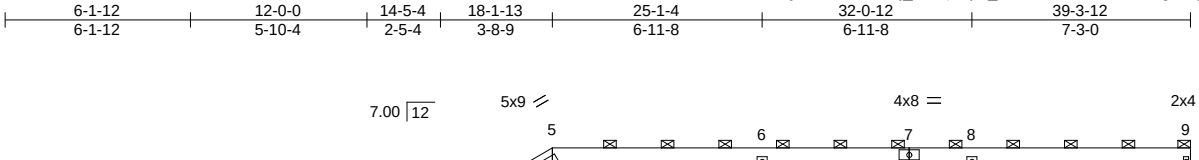


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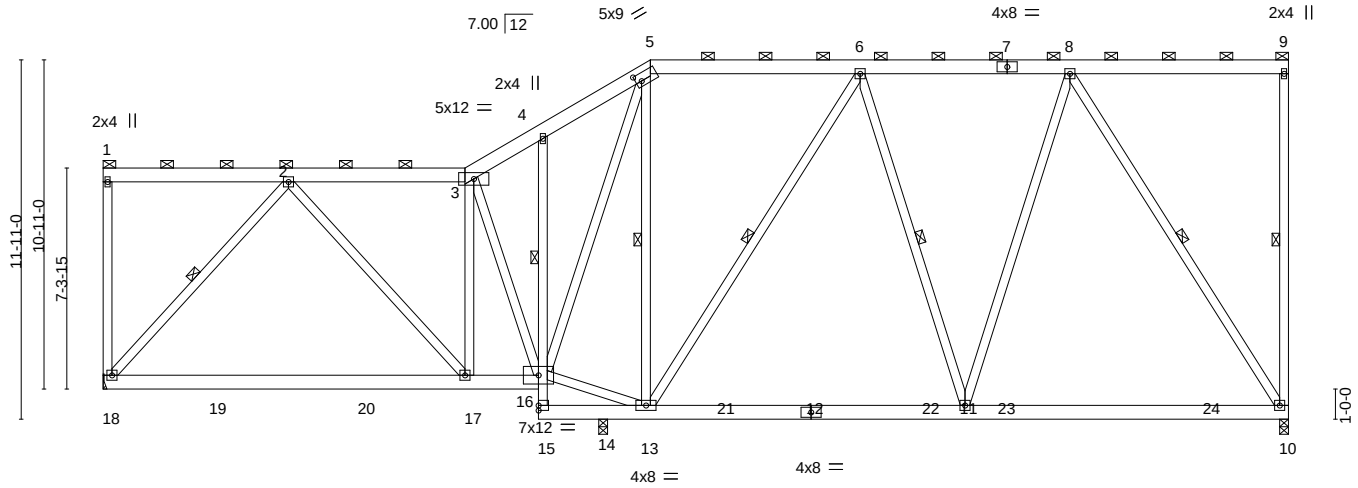


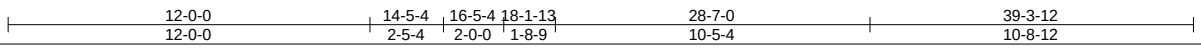


Plate Offsets (X,Y)-- [5:0-2-4,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.44 | Vert(LL) | -0.20 | 17-18 | >972 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.95 | Vert(CT) | -0.37 | 17-18 | >528 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.83 | Horz(CT) | 0.03 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 381 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
4-15: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
6-13,8-10: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 5-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 9-10, 2-18, 5-13, 6-13, 6-11, 8-10

**REACTIONS.** (size) 18=Mechanical, 10=0-3-8, 14=0-3-8
Max Horz 18=139(LC 12)
Max Uplift 18=-90(LC 8), 10=-181(LC 9), 14=-161(LC 12)
Max Grav 18=878(LC 2), 10=1159(LC 2), 14=1264(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-751/0, 3-4=-600/12, 4-5=-611/82, 5-6=-413/71, 6-8=-690/98
BOT CHORD 17-18=-209/536, 16-17=-118/756, 15-16=-562/115, 11-13=-130/672, 10-11=-110/544
WEBS 2-18=-790/123, 2-17=0/363, 3-17=0/312, 3-16=-743/33, 13-16=-116/575, 5-16=-161/299, 5-13=-346/219, 6-13=-491/150, 8-11=0/507, 8-10=-1021/209

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are 4x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 10=181, 14=161.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A9 | Piggyback Base | 1 | 1 | I50345227 |
| | | | | | Job Reference (optional) |

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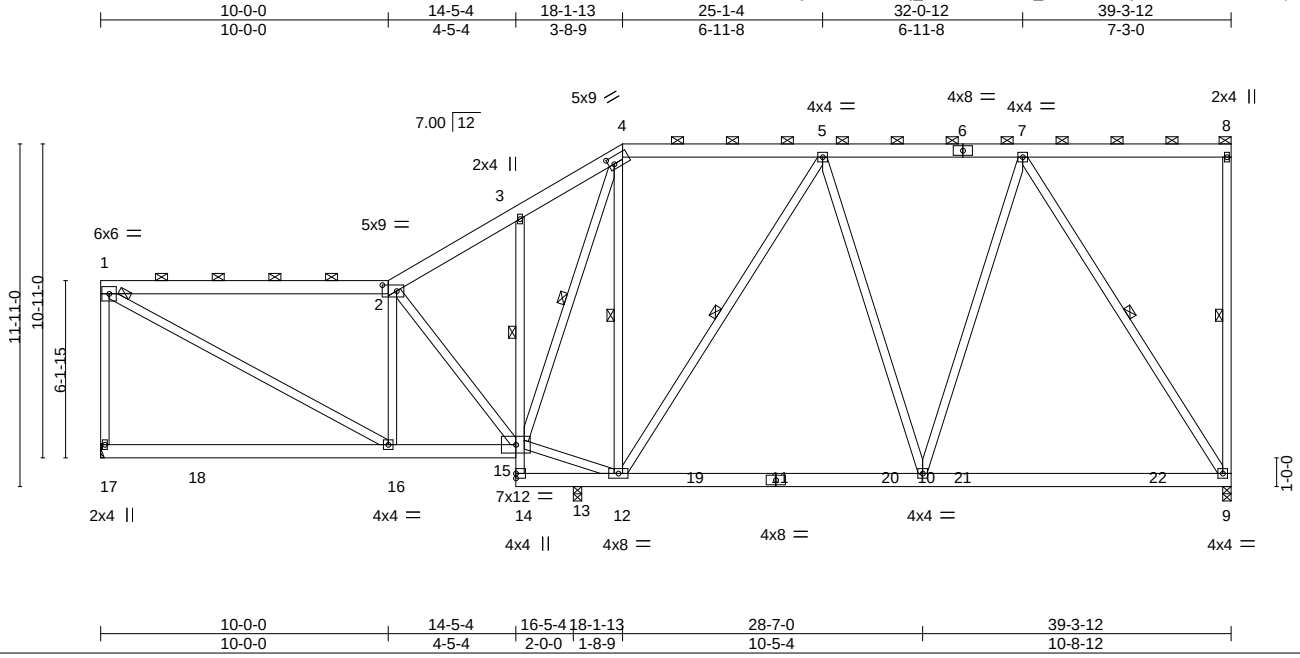



Plate Offsets (X,Y)-- [2:0-6-0,0-2-8], [4:0-2-4,0-3-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.73 | Vert(LL) | -0.15 | 9-10 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.68 | Vert(CT) | -0.24 | 9-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.73 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 368 lb | FT = 20% |

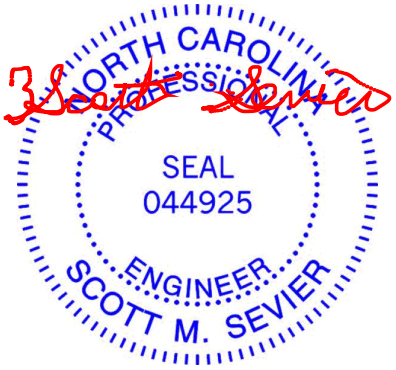
**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
3-14: 2x4 SP No.3, 11-14: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-12,7-9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 4-8.
BOT CHORD Rigid ceiling directly applied or 5-4-1 oc bracing. Except:
1 Row at midpt 3-15
WEBS 1 Row at midpt 8-9, 4-15, 4-12, 5-12, 7-9

**REACTIONS.** (size) 17=Mechanical, 9=0-3-8, 13=0-3-8
Max Horz 17=184(LC 12)
Max Uplift 17=-61(LC 8), 9=-186(LC 9), 13=-181(LC 12)
Max Grav 17=719(LC 2), 9=1050(LC 2), 13=1517(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-592/120, 1-2=-588/0, 2-3=-343/0, 3-4=-322/67, 5-7=-589/92
BOT CHORD 15-16=-165/585, 14-15=-644/125, 3-15=-251/140, 10-12=-121/538, 9-10=-106/476
WEBS 1-16=0/644, 2-15=-617/113, 12-15=-90/409, 4-12=-344/227, 5-12=-620/151, 7-10=0/429, 7-9=-892/201

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 9=186, 13=181.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A10 | Piggyback Base | 1 | 1 | I50345228 |
| | | | | | Job Reference (optional) |

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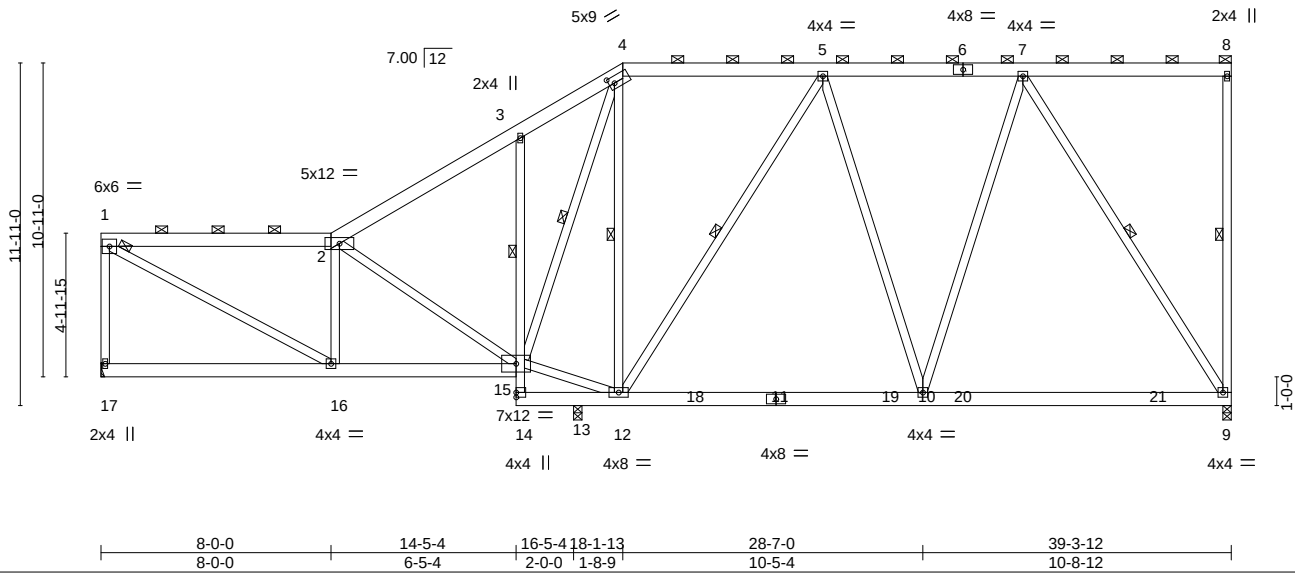


Plate Offsets (X,Y)-- [4:0-2-4,0-2-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.44 | Vert(LL) | -0.15 | 9-10 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.70 | Vert(CT) | -0.24 | 9-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.72 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 363 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
3-14: 2x4 SP No.3, 11-14: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-12,7-9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 4-8.
BOT CHORD Rigid ceiling directly applied or 5-3-4 oc bracing. Except:
1 Row at midpt 3-15
WEBS 1 Row at midpt 8-9, 4-15, 4-12, 5-12, 7-9

**REACTIONS.** (size) 17=Mechanical, 9=0-3-8, 13=0-3-8
Max Horz 17=229(LC 12)
Max Uplift 17=-34(LC 8), 9=-187(LC 9), 13=-197(LC 12)
Max Grav 17=667(LC 1), 9=1042(LC 2), 13=1544(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-593/93, 1-2=-679/0, 2-3=-359/0, 3-4=-333/88, 5-7=-581/92
BOT CHORD 15-16=-207/672, 14-15=-651/128, 3-15=-372/225, 10-12=-122/528, 9-10=-106/471
WEBS 1-16=0/752, 2-15=-596/129, 12-15=-69/429, 4-15=-205/283, 4-12=-347/229, 5-12=-632/140, 7-10=0/425, 7-9=-882/201

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 9=187, 13=197.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A11 | Piggyback Base | 1 | 1 | I50345229 |
| | | | | | Job Reference (optional) |

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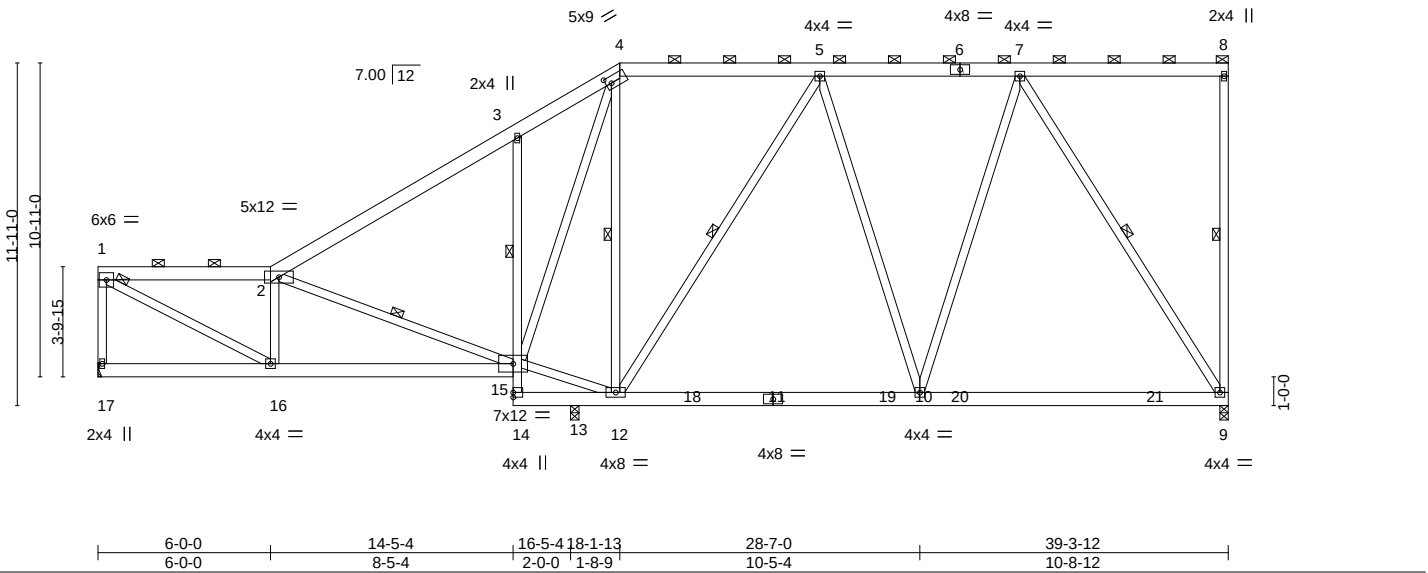


Plate Offsets (X,Y)-- [4:0-2-4,0-2-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.35 | Vert(LL) | -0.15 | 9-10 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.73 | Vert(CT) | -0.24 | 9-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.71 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 359 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
3-14: 2x4 SP No.3, 11-14: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-12,7-9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 4-8.
BOT CHORD Rigid ceiling directly applied or 5-1-14 oc bracing. Except:
1 Row at midpt 3-15
WEBS 1 Row at midpt 8-9, 2-15, 4-12, 5-12, 7-9

**REACTIONS.** (size) 17=Mechanical, 9=0-3-8, 13=0-3-8
Max Horz 17=274(LC 12)
Max Uplift 17=-18(LC 12), 9=-188(LC 9), 13=-216(LC 12)
Max Grav 17=651(LC 1), 9=1033(LC 2), 13=1572(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-600/60, 1-2=-812/0, 2-3=-391/9, 3-4=-347/108, 5-7=-573/90
BOT CHORD 16-17=-276/224, 15-16=-249/799, 14-15=-662/132, 3-15=-493/305, 13-14=-263/0, 12-13=-263/0, 10-12=-119/517, 9-10=-104/465
WEBS 1-16=0/910, 2-16=-292/101, 2-15=-665/158, 12-15=-41/445, 4-15=-240/347, 4-12=-351/227, 5-12=-646/127, 7-10=0/419, 7-9=-871/198

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 9=188, 13=216.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A12 | Piggyback Base | 1 | 1 | I50345230 |
| | | | | | Job Reference (optional) |

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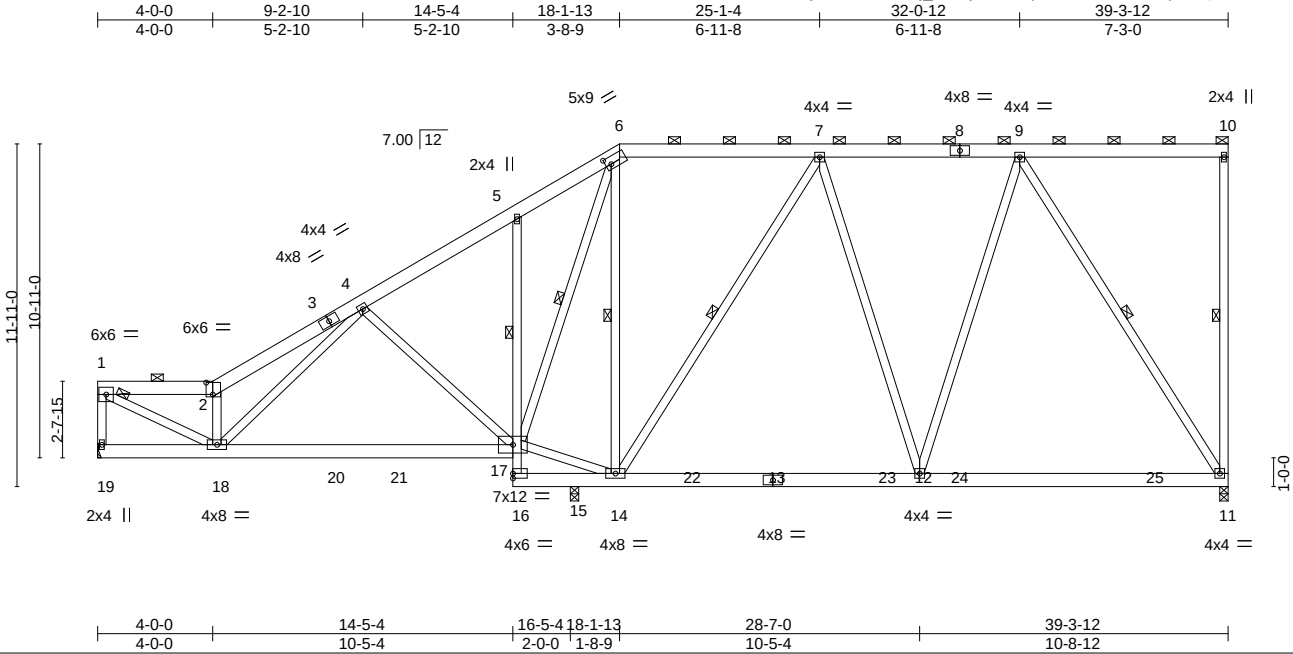


Plate Offsets (X,Y)-- [2:0-2-12,0-5-0], [6:0-2-4,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.29 | Vert(LL) | -0.15 | 11-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.80 | Vert(CT) | -0.24 | 11-12 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.72 | Horz(CT) | 0.02 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 360 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-16: 2x4 SP No.3, 13-16: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
7-14,9-11: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 6-10.
BOT CHORD Rigid ceiling directly applied or 4-10-7 oc bracing. Except:
1 Row at midpt 5-17
WEBS 1 Row at midpt 10-11, 6-17, 6-14, 7-14, 9-11

**REACTIONS.** (size) 19=Mechanical, 11=0-3-8, 15=0-3-8
Max Horz 19=319(LC 12)
Max Uplift 19=-13(LC 12), 11=-191(LC 9), 15=-218(LC 12)
Max Grav 19=648(LC 1), 11=1045(LC 26), 15=1577(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-633/26, 1-2=-971/0, 2-4=-1102/28, 4-5=-314/16, 5-6=-259/78, 7-9=-583/93
BOT CHORD 18-19=-323/260, 17-18=-242/566, 16-17=-691/130, 5-17=-269/178, 15-16=-348/0, 14-15=-348/0, 12-14=-123/532, 11-12=-106/472
WEBS 1-18=0/1089, 2-18=-754/122, 4-18=-37/613, 4-17=-518/217, 14-17=-31/528, 6-17=-189/273, 6-14=-367/232, 7-14=-657/120, 9-12=0/402, 9-11=-885/202

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 11=191, 15=218.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A13 | Piggyback Base | 1 | 1 | I50345231 |
| | | | | | Job Reference (optional) |

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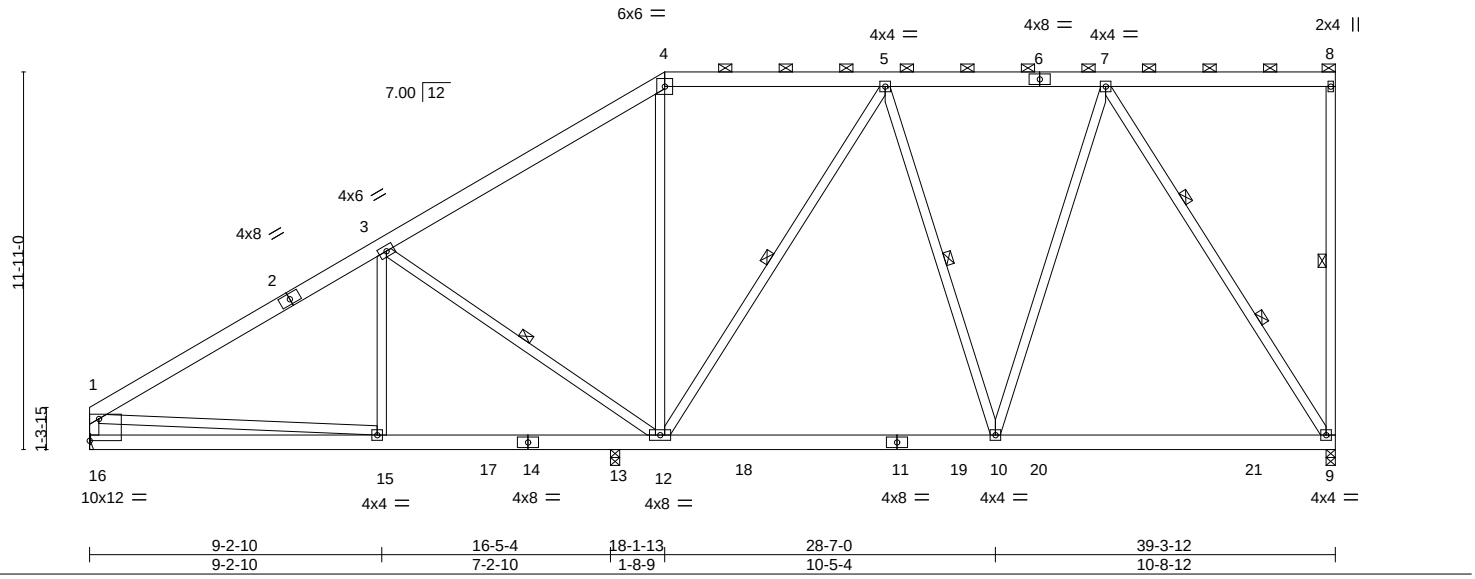


Plate Offsets (X,Y)-- [16:Edge,0-8-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.73 | Vert(LL) | -0.16 | 10-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.80 | Vert(CT) | -0.29 | 10-12 | >949 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 334 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-12,7-9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-9, 3-12, 5-12, 5-10
2 Rows at 1/3 pts 7-9

**REACTIONS.** (size) 9=0-3-8, 16=Mechanical, 13=0-3-8
Max Horz 16=407(LC 12)
Max Uplift 9=-231(LC 9), 16=-86(LC 12), 13=-70(LC 12)
Max Grav 9=1413(LC 2), 16=1194(LC 19), 13=668(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1609/186, 3-4=-1148/211, 4-5=-878/244, 5-7=-926/184, 1-16=-1087/171
BOT CHORD 15-16=-460/617, 13-15=-437/1381, 12-13=-437/1381, 10-12=-242/980, 9-10=-168/704
WEBS 3-12=-671/286, 5-10=-284/199, 7-10=-56/767, 7-9=-1324/320, 1-15=0/981

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 13 except (jt=lb) 9=231.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | A13E | GABLE | 1 | 1 | I50345232 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:11 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-fW7oKFpg6PkgGo2nBKZ9QLXe9RdyyVMVRQmw?lzix2Q

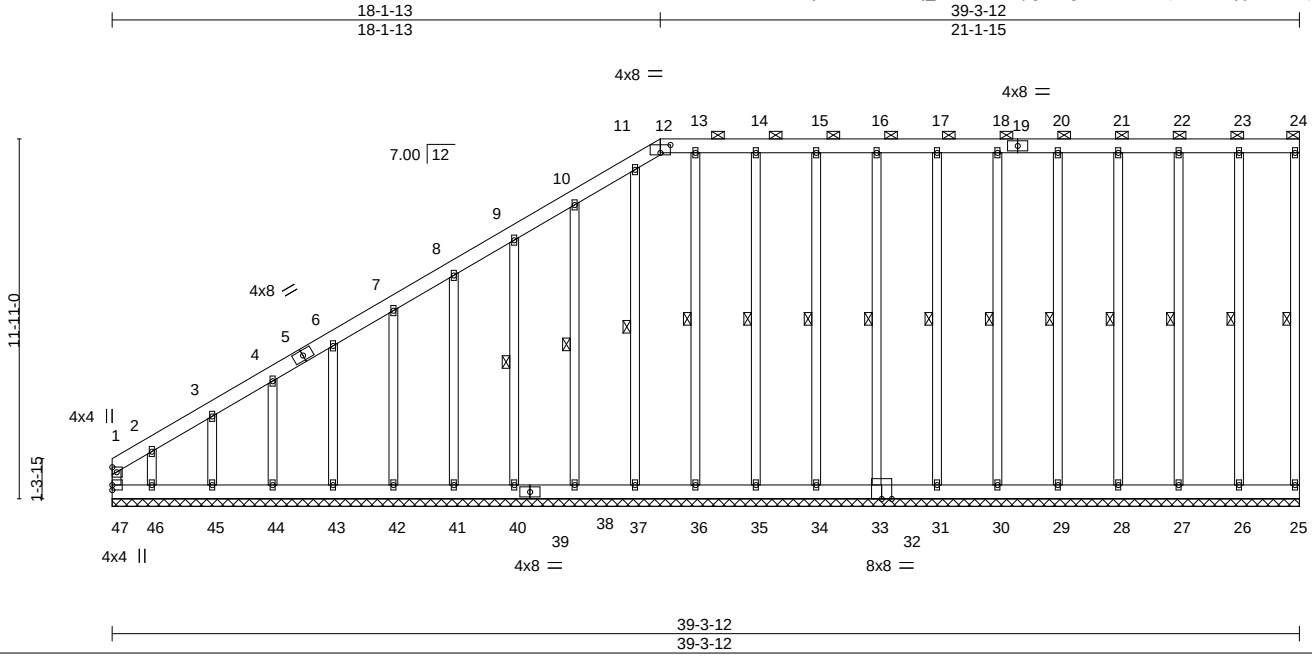


Plate Offsets (X,Y)-- [12:0-4-0,0-3-3]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.52 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.13 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | -0.00 | 25 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-R | | | | | | | Weight: 450 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 12-24.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 24-25, 23-26, 22-27, 21-28, 20-29, 18-30, 17-31, 16-33, 15-34, 14-35, 13-36, 11-37, 10-38, 9-40

**REACTIONS.** All bearings 39-3-12.
(lb) - Max Horz 47=407(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45 except 47=-196(LC 10), 46=-449(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45 except 47=594(LC 12), 46=256(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-548/436, 2-3=-417/333, 3-4=-368/294, 4-6=-316/253, 6-7=-264/212, 1-47=-390/295

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45 except (jt=lb) 47=196, 46=449.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | AE | GABLE | 1 | 1 | I50345233 |
| | | | | | Job Reference (optional) |

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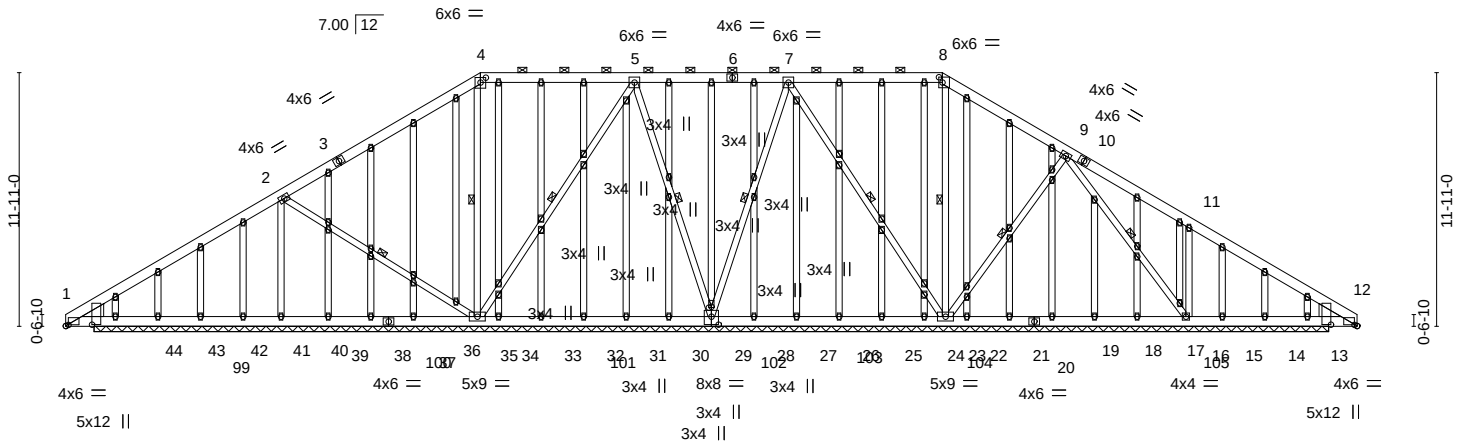
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-FDz4G2_SpiVhyy7T0GpR?I62X5QOEpEZfc9gVxzix2C

| 1-5-12 | 10-1-6 | 19-5-13 | 26-8-10 | 33-11-6 | 41-2-3 | 46-11-12 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|---|---|
| 1-5-12 | 8-7-10 | 9-4-6 | 7-2-13 | 7-2-13 | 7-2-13 | 5-9-8 | 5-9-8 | 7-10-12 |

Scale = 1:108.2




| 1-4-0 | 10-1-6 | 19-5-13 | 30-4-0 | 41-2-3 | 52-9-4 | 60-8-0 |
|---|---|---|---|---|---|---|
| 1-4-0 | 8-9-6 | 9-4-6 | 10-10-3 | 10-10-3 | 11-7-1 | 7-10-12 |

Plate Offsets (X,Y)-- [1:0-0-12,1-2-12], [1:0-1-8,0-0-10], [4:0-3-0,0-2-12], [8:0-2-0,0-3-0], [12:0-0-12,1-2-12], [12:0-1-8,0-0-10], [29:0-4-0,0-4-8], [29:0-0-8,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.46 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.29 | Horz(CT) | 0.01 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 785 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-35,7-23: 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3
WEDGE
Left: 2x8 SP No.2 , Right: 2x8 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-35, 4-35, 5-35, 5-29, 7-29, 7-23, 8-23, 9-23, 9-16

**REACTIONS.** All bearings 58-0-0.
(lb) - Max Horz 1=-282(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-114(LC 8), 40=-189(LC 12), 35=-207(LC 9), 29=-242(LC 9), 23=-201(LC 13), 16=-197(LC 13), 44=-351(LC 12), 13=-218(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 31, 32, 33, 34, 36, 38, 39, 41, 42, 43, 28, 27, 26, 25, 24, 22, 21, 19, 18, 17, 15, 14, 13, 1 except 1=332(LC 20), 40=565(LC 19), 35=741(LC 1), 29=607(LC 24), 23=742(LC 1), 16=537(LC 24), 12=370(LC 24), 44=393(LC 19), 12=370(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-289/157
WEBS 2-40=-463/212, 4-35=-452/142, 5-29=-301/152, 7-29=-302/141, 8-23=-354/57, 9-23=-291/223, 11-16=-382/242

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.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Continued on page 2



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**NOTES-**

9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 1, 189 lb uplift at joint 40, 207 lb uplift at joint 35, 242 lb uplift at joint 29, 201 lb uplift at joint 23, 197 lb uplift at joint 16, 351 lb uplift at joint 44, 218 lb uplift at joint 13 and 114 lb uplift at joint 1.
11) N/A
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | B | Common | 1 | 1 | I50345234 |
| | | | | | Job Reference (optional) |

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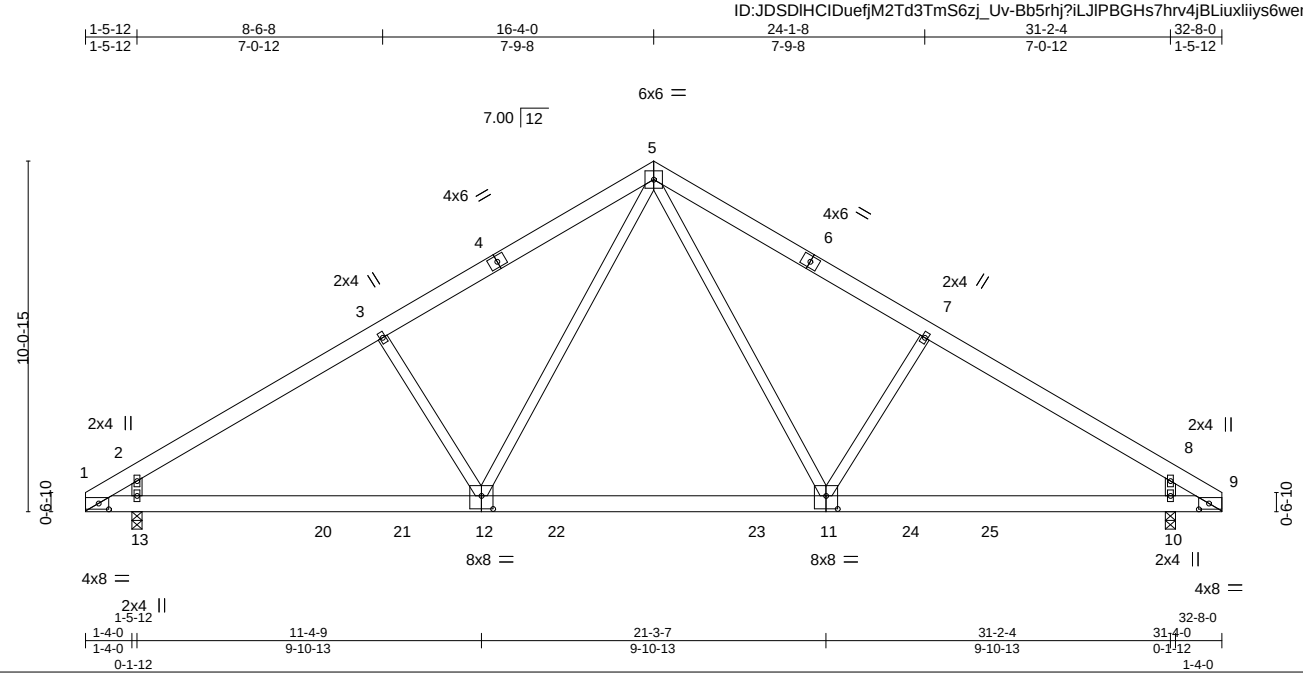


Plate Offsets (X,Y)-- [1:0-3-8,0-2-0], [9:0-3-8,0-2-0], [11:0-4-0,0-4-8], [12:0-4-0,0-4-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.67 | Vert(LL) | -0.22 | 11-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.77 | Vert(CT) | -0.38 | 11-12 | >947 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.28 | Horz(CT) | 0.04 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 214 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 13=0-3-8, 10=0-3-8
Max Horz 13=236(LC 11)
Max Uplift 13=-152(LC 12), 10=-152(LC 13)
Max Grav 13=1371(LC 19), 10=1371(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1273/86, 2-3=-1708/315, 3-5=-1530/361, 5-7=-1530/361, 7-8=-1708/315, 8-9=-1272/86
BOT CHORD 1-13=-147/1332, 12-13=-221/1509, 11-12=-21/1047, 10-11=-147/1332, 9-10=-147/1332
WEBS 5-11=-128/643, 7-11=-332/276, 5-12=-128/642, 3-12=-332/276, 2-13=-915/372, 8-10=-914/372

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 13 and 152 lb uplift at joint 10.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | BE | Common Supported Gable | 1 | 1 | I50345235 |
| | | | | | Job Reference (optional) |

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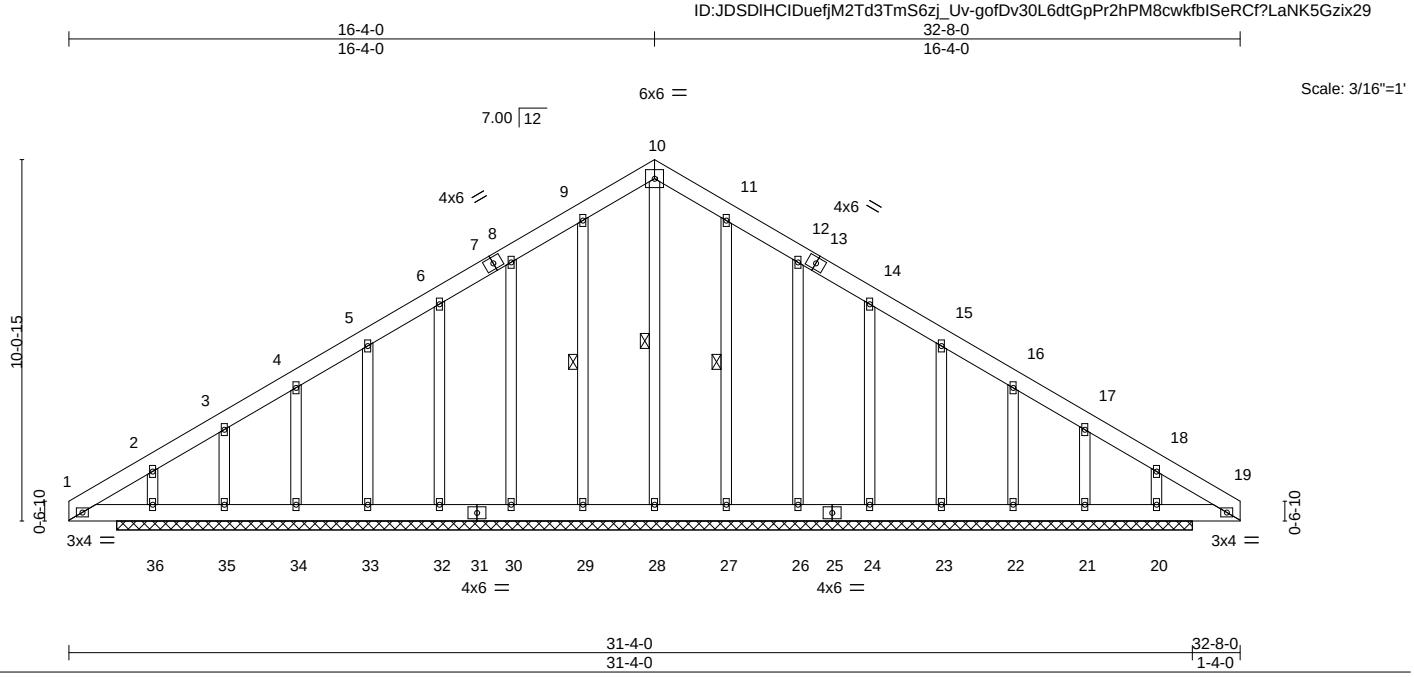


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.09 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.12 | Horz(CT) | 0.00 | 20 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 273 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-28, 9-29, 11-27

**REACTIONS.** All bearings 30-0-0.
(lb) - Max Horz 36=-237(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 29, 30, 32, 33, 34, 36, 27, 26, 24, 23, 22, 20 except 35=-163(LC 12), 21=-145(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 29, 30, 32, 33, 34, 35, 27, 26, 24, 23, 22, 21 except 28=256(LC 22), 36=332(LC 20), 20=307(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-152/254, 9-10=-182/285, 10-11=-182/285, 11-12=-152/254

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 30, 32, 33, 34, 36, 27, 26, 24, 23, 22, 20 except (jt=lb) 35=163, 21=145.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | BGR | ROOF SPECIAL GIRDER | 1 | 3 | I50345236 |
| | | | | | Job Reference (optional) |

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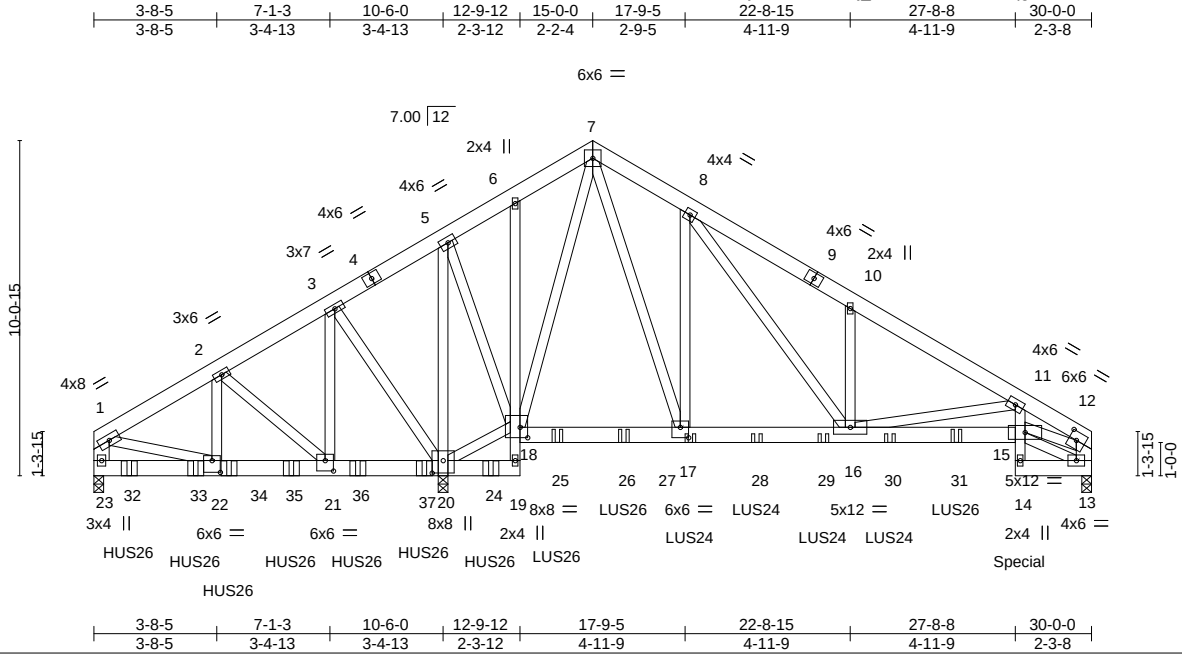


Plate Offsets (X,Y)-- [12:0-2-12,0-3-0], [17:0-3-0,0-3-12], [18:0-2-12,0-3-12], [20:0-4-8,0-4-0], [21:0-3-0,0-3-12], [22:0-3-0,0-4-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | -0.06 | 15-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.63 | Vert(CT) | -0.13 | 15-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.72 | Horz(CT) | 0.07 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 855 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-19,11-14: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
1-23,12-13: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20,14-15.

**REACTIONS.** (size) 23=0-3-8, 13=0-3-8, 20=0-3-8
Max Horz 23=-213(LC 6)
Max Uplift 13=-392(LC 9)
Max Grav 23=3158(LC 21), 13=3694(LC 1), 20=11709(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2838/0, 2-3=-641/0, 3-5=0/1958, 6-7=-8/272, 7-8=-2479/541, 8-10=-4700/707, 10-11=-4603/562, 11-12=-6788/733, 1-23=-2071/0, 12-13=-3671/393
BOT CHORD 19-20=-432/99, 18-19=0/586, 17-18=-174/815, 16-17=-211/2145, 15-16=-633/6039, 11-15=-78/1724, 13-14=-48/275, 22-23=-207/646, 21-22=0/2375, 20-21=0/608
WEBS 2-22=0/2717, 2-21=-2423/0, 3-21=0/4088, 3-20=-3803/0, 5-20=-5454/212, 18-20=-1394/29, 5-18=-111/4620, 7-18=-3261/229, 7-17=-597/4323, 8-17=-1645/321, 8-16=-379/3229, 10-16=-473/229, 11-16=-2116/261, 1-22=0/1891, 12-15=-560/5243


**NOTES-**
1) 3-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x4 - 1 row at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 20 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide metal plate or equivalent at bearing(s) 20 to support reaction shown.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=392.
10) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-10-8 oc max. starting at 1-0-12 from the left end to 11-11-4 to connect truss(es) to front face of bottom chord.

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Continued on page 2



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**NOTES-**

11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent at 4-0-12 from the left end to connect truss(es) to front face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
12) Use Simpson Strong-Tie LUS26 (4-SD9112 Girder, 4-SD9212 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 13-11-4 from the left end to 15-11-4 to connect truss(es) to front face of bottom chord.
13) Use Simpson Strong-Tie LUS24 (4-SD9112 Girder, 2-SD9212 Truss, Single Ply Girder) or equivalent at 17-11-4 from the left end to connect truss(es) to front face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
14) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 19-11-4 from the left end to 23-11-4 to connect truss(es) to front face of bottom chord.
15) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent at 25-11-4 from the left end to connect truss(es) to front face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
16) Fill all nail holes where hanger is in contact with lumber.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1154 lb down and 106 lb up at 27-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-60, 7-12=-60, 19-37=-20, 15-18=-20, 13-14=-20, 23-37=-20
   Concentrated Loads (lb)
   Vert: 17=-809(F) 15=-1154(F) 24=-1392(F) 25=-1018(F) 26=-1018(F) 28=-663(F) 29=-647(F) 30=-631(F) 31=-628(F) 32=-1199(F) 33=-1197(F) 34=-1392(F) 35=-1392(F) 36=-1392(F) 37=-1392(F)

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | C | ATTIC | 2 | 1 | I50345237 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:32 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-YZukkR3rAsNhI19qwER4nmu9_vkMNuCbGBLXE1zix25

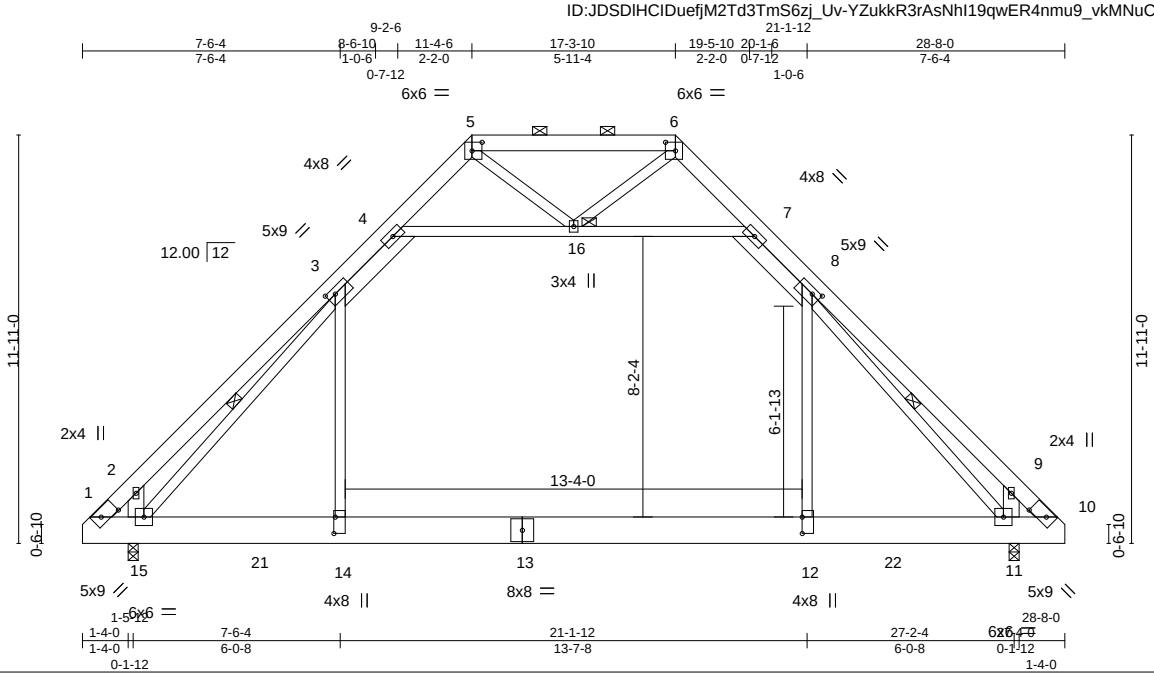


Plate Offsets (X,Y)-- [1:0-6-0,0-2-8], [3:0-3-0,0-2-0], [5:0-3-8,0-3-0], [6:0-3-8,0-3-0], [8:0-3-0,0-2-0], [10:0-6-0,0-2-8], [12:0-5-12,0-0-0], [14:0-5-12,0-0-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.83 | Vert(LL) | -0.22 | 12-14 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.42 | Vert(CT) | -0.33 | 12-14 | >920 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.01 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.15 | 12-14 | 1057 | 360 | Weight: 290 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
3-14,4-7,8-12: 2x4 SP No.2 or 2x4 SPF No.2, 2-15,9-11: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-15, 8-11
JOINTS 1 Brace at Jt(s): 16

**REACTIONS.** (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-280(LC 8)
Max Grav 15=1679(LC 2), 11=1679(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-382/0, 2-3=-952/178, 3-4=-1107/185, 4-5=-372/138, 6-7=-372/137, 7-8=-1107/185, 8-9=-952/178, 9-10=-382/0
BOT CHORD 1-15=0/490, 14-15=0/1211, 12-14=0/1213, 11-12=0/1211, 10-11=0/490
WEBS 3-14=0/1089, 4-16=-1250/147, 7-16=-1249/147, 8-12=0/1089, 3-15=-1185/47, 8-11=-1184/46, 2-15=-1005/452, 9-11=-1005/451

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16; Wall dead load (5.0psf) on member(s).3-14, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | C1 | ATTIC | 10 | 1 | I50345238 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:33 2022 Page 1
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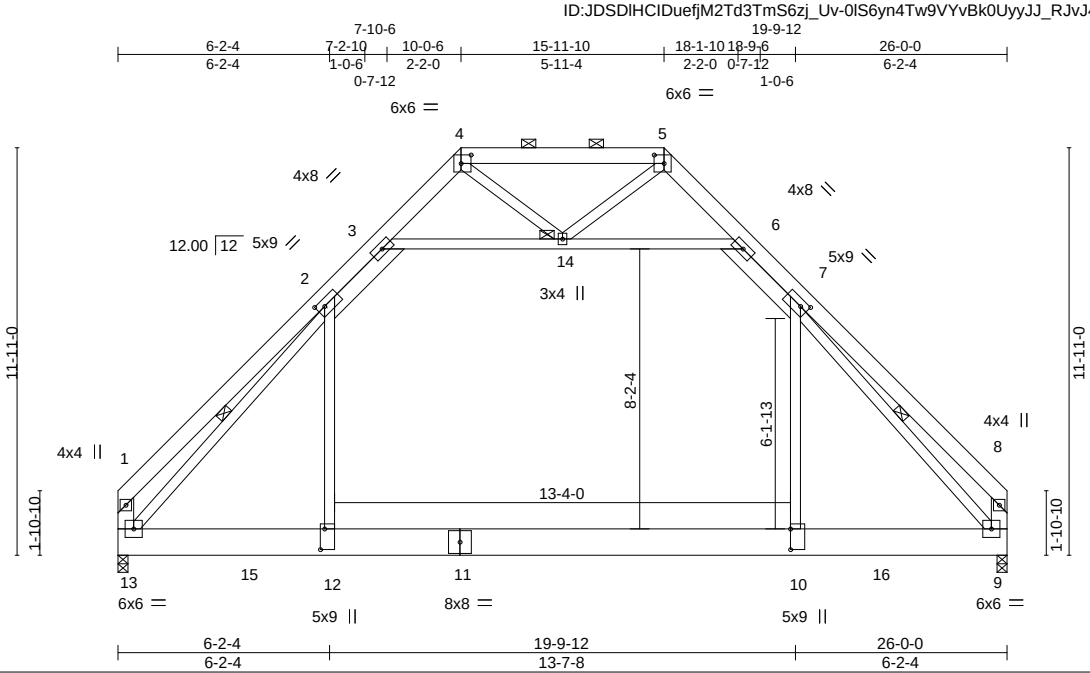


Plate Offsets (X,Y)-- [2:0-2-12,0-2-4], [4:0-3-8,0-3-0], [5:0-3-8,0-3-0], [7:0-2-12,0-2-4], [10:0-7-4,0-0-0], [12:0-7-4,0-1-8]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.88 | Vert(LL) | -0.23 | 10-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.43 | Vert(CT) | -0.34 | 10-12 | >891 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.62 | Horz(CT) | 0.01 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.16 | 10-12 | 1046 | 360 | Weight: 275 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
2-12,3-6,7-10: 2x4 SP No.2 or 2x4 SPF No.2, 1-13,8-9: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 7-9
JOINTS 1 Brace at Jt(s): 14

**REACTIONS.** (size) 13=0-3-8, 9=0-3-8
Max Horz 13=245(LC 9)
Max Grav 13=1585(LC 2), 9=1585(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-739/195, 2-3=-1115/183, 3-4=-362/139, 5-6=-362/138, 6-7=-1115/183, 7-8=-739/195, 1-13=-683/192, 8-9=-683/192
BOT CHORD 12-13=0/1212, 10-12=0/1213, 9-10=0/1211
WEBS 2-12=0/1100, 3-14=-1283/154, 6-14=-1283/154, 7-10=0/1100, 2-13=-1412/0, 7-9=-1411/0

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-14, 6-14; Wall dead load (5.0psf) on member(s).2-12, 7-10
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 10-12
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | CE | GABLE | 1 | 1 | I50345239 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:35 2022 Page 1
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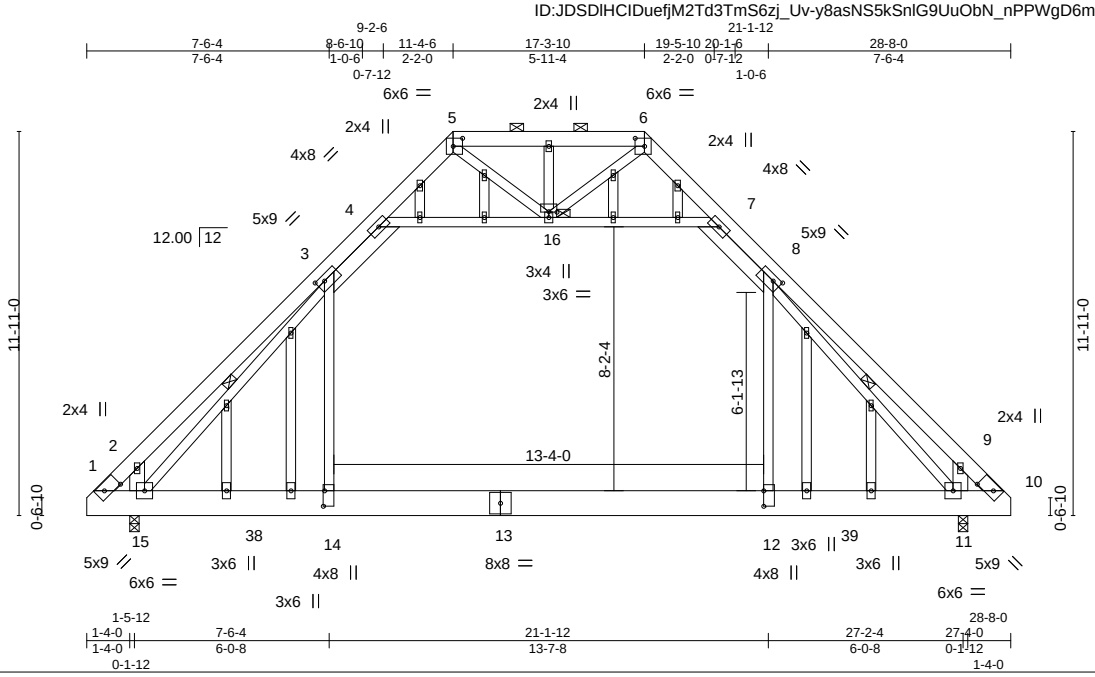


Plate Offsets (X,Y)-- [1:0-6-0,0-2-8], [3:0-3-0,0-2-0], [5:0-3-8,0-3-0], [6:0-3-8,0-3-0], [8:0-3-0,0-2-0], [10:0-6-0,0-2-8], [12:0-5-12,0-0-0], [14:0-5-12,0-0-8], [16:0-3-0,0-0-3]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.83 | Vert(LL) | -0.22 | 12-14 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.42 | Vert(CT) | -0.33 | 12-14 | >920 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.01 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.15 | 12-14 | 1057 | 360 | Weight: 324 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x10 SP DSS |
| WEBS | 2x4 SP No.3 *Except* |
| | 3-14,4-7,8-12: 2x4 SP No.2 or 2x4 SPF No.2, 2-15,9-11: 2x6 SP No.2 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS | 1 Row at midpt 3-15, 8-11 |
| JOINTS | 1 Brace at Jt(s): 16 |

**REACTIONS.** (size) 15=0-3-8, 11=0-3-8
Max Horz 15=-280(LC 8)
Max Grav 15=1679(LC 2), 11=1679(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-382/0, 2-3=-952/178, 3-4=-1107/185, 4-5=-372/138, 6-7=-372/137, 7-8=-1107/185, 8-9=-952/178, 9-10=-382/0
BOT CHORD 1-15=0/490, 14-15=0/1211, 12-14=0/1213, 11-12=0/1211, 10-11=0/490
WEBS 3-14=0/1089, 4-16=-1250/147, 7-16=-1249/147, 8-12=0/1089, 3-15=-1185/47, 8-11=-1184/46, 2-15=-1005/452, 9-11=-1005/451

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16; Wall dead load (5.0psf) on member(s).3-14, 8-12
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB1 | Piggyback | 1 | 1 | I50345240 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:36 2022 Page 1
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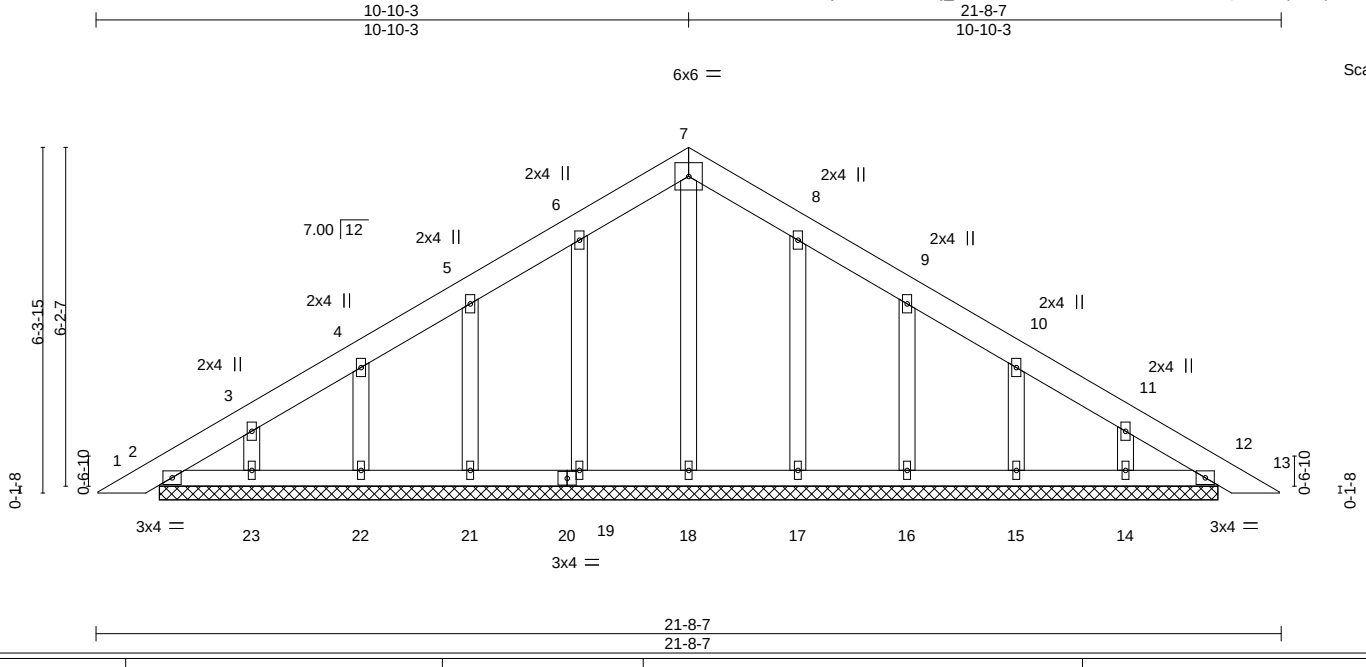


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.03 | Vert(LL) | 0.00 | 12 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | 0.00 | 12 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 126 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 19-4-10.
(lb) - Max Horz 2=-150(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 23, 16, 14, 22, 19, 17, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 21, 23, 16, 14, 12, 22, 19, 17, 15

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 23, 16, 14, 22, 19, 17, 15.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB2 | Piggyback | 20 | 1 | I50345241 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:38 2022 Page 1
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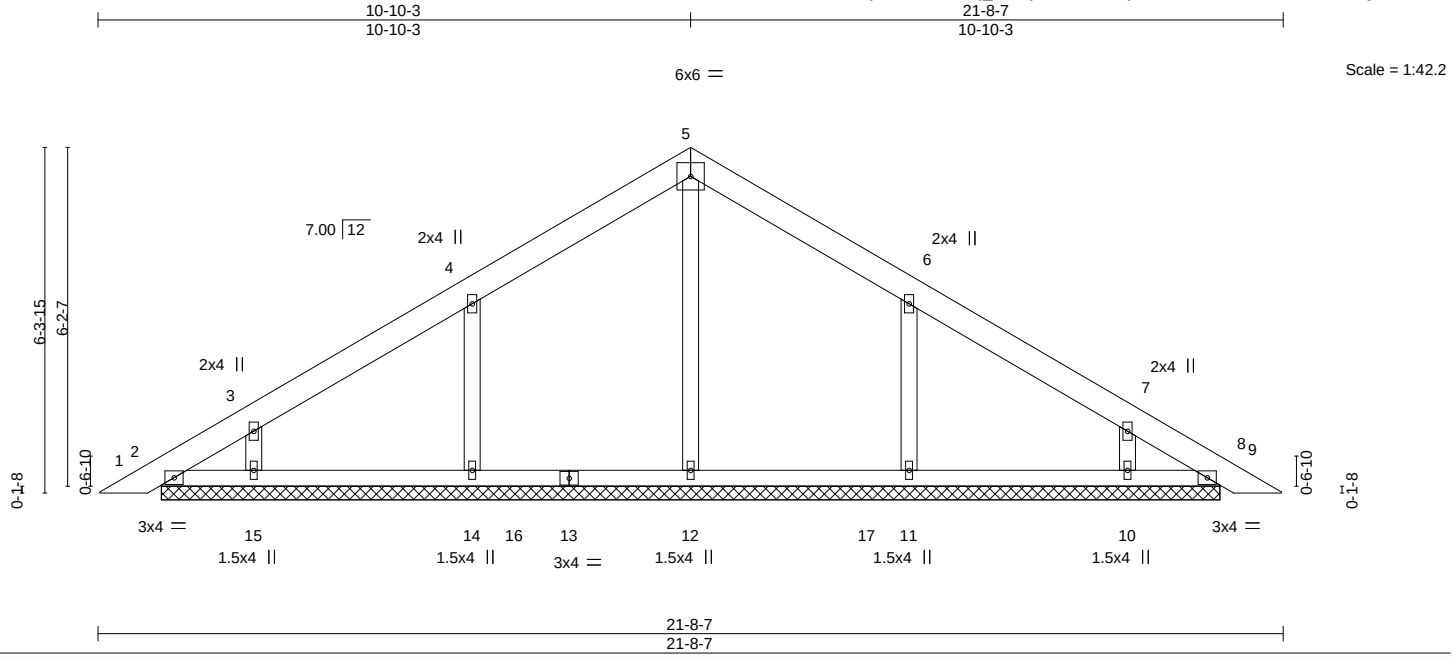


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | -0.00 | 8 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.18 | Vert(CT) | -0.00 | 8 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 107 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 19-4-10.
(lb) - Max Horz 2=-150(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 10, 8 except 14=-125(LC 12), 11=-124(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 12=381(LC 19), 14=403(LC 19), 15=260(LC 19), 11=402(LC 20), 10=257(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-14=-284/175, 6-11=-283/174

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15, 10, 8 except (jt=lb) 14=125, 11=124.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


February 22,2022



ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB3 | Piggyback | 1 | 1 | I50345242 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:40 2022 Page 1
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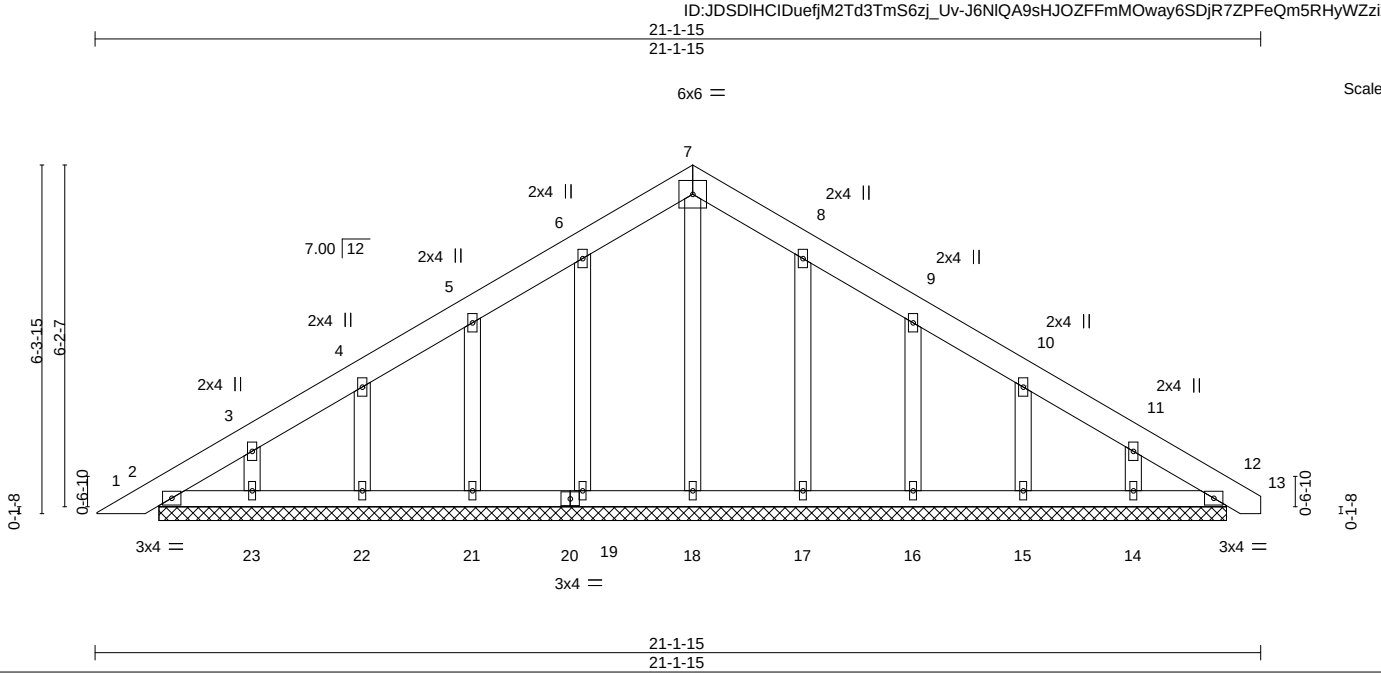


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.03 | Vert(LL) | 0.00 | 12 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | 0.00 | 12 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 125 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 19-4-10.
(lb) - Max Horz 2=149(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 23, 21, 16, 14, 22, 19, 17, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 23, 21, 16, 14, 22, 19, 17, 15

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 23, 21, 16, 14, 22, 19, 17, 15.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB4 | Piggyback | 9 | 1 | I50345243 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:42 2022 Page 1
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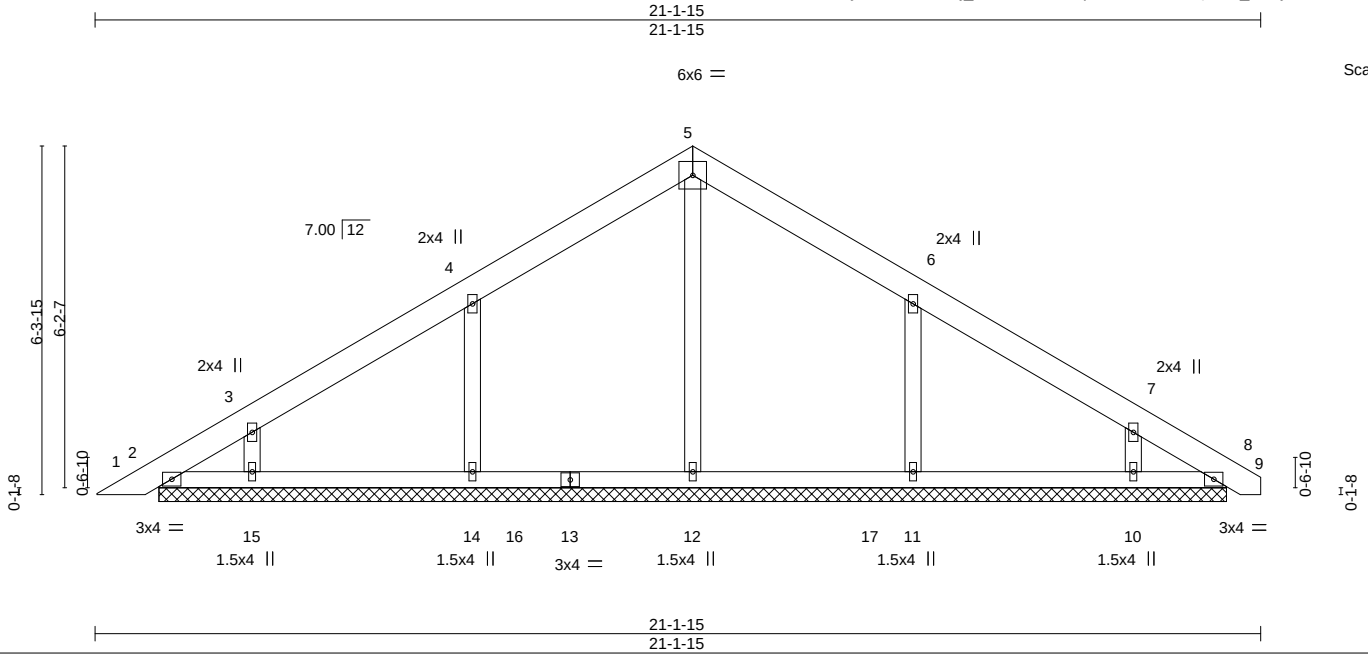


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | -0.00 | 8 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.18 | Vert(CT) | -0.00 | 8 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 106 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 19-4-10.
(lb) - Max Horz 2=149(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 15, 10 except 14=-125(LC 12), 11=-124(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 12=380(LC 19), 15=260(LC 19), 14=403(LC 19), 11=401(LC 20), 10=263(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-14=-284/175, 6-11=-282/174

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 15, 10 except (jt=lb) 14=125, 11=124.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB5 | Piggyback | 2 | 1 | I50345244 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:42 2022 Page 1
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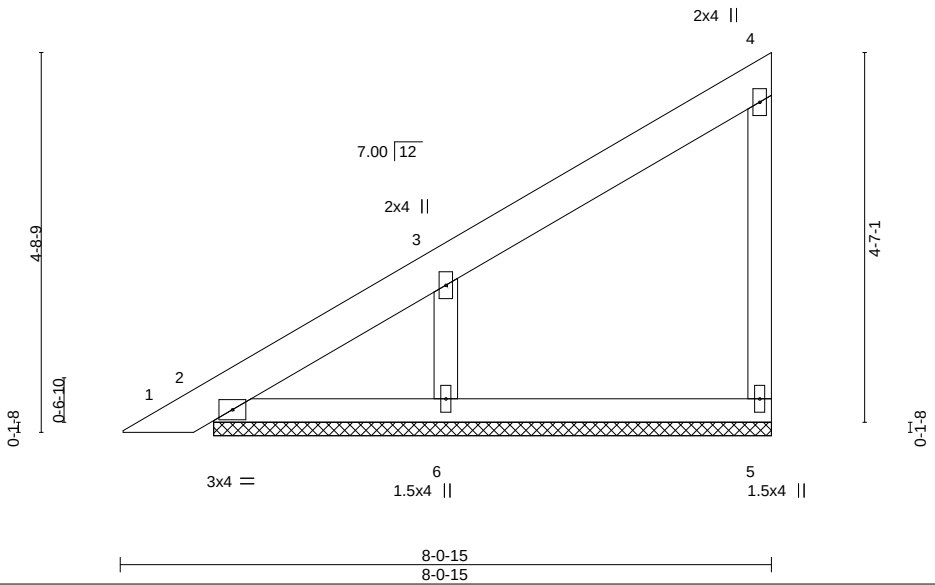


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | -0.00 | 1 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(CT) | 0.00 | 1 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 40 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 5=6-11-1, 2=6-11-1, 6=6-11-1
Max Horz 2=167(LC 12)
Max Uplift 5=-44(LC 12), 6=-124(LC 12)
Max Grav 5=132(LC 19), 2=121(LC 1), 6=356(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-282/192

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=124.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB6 | Piggyback | 2 | 1 | I50345245 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:43 2022 Page 1
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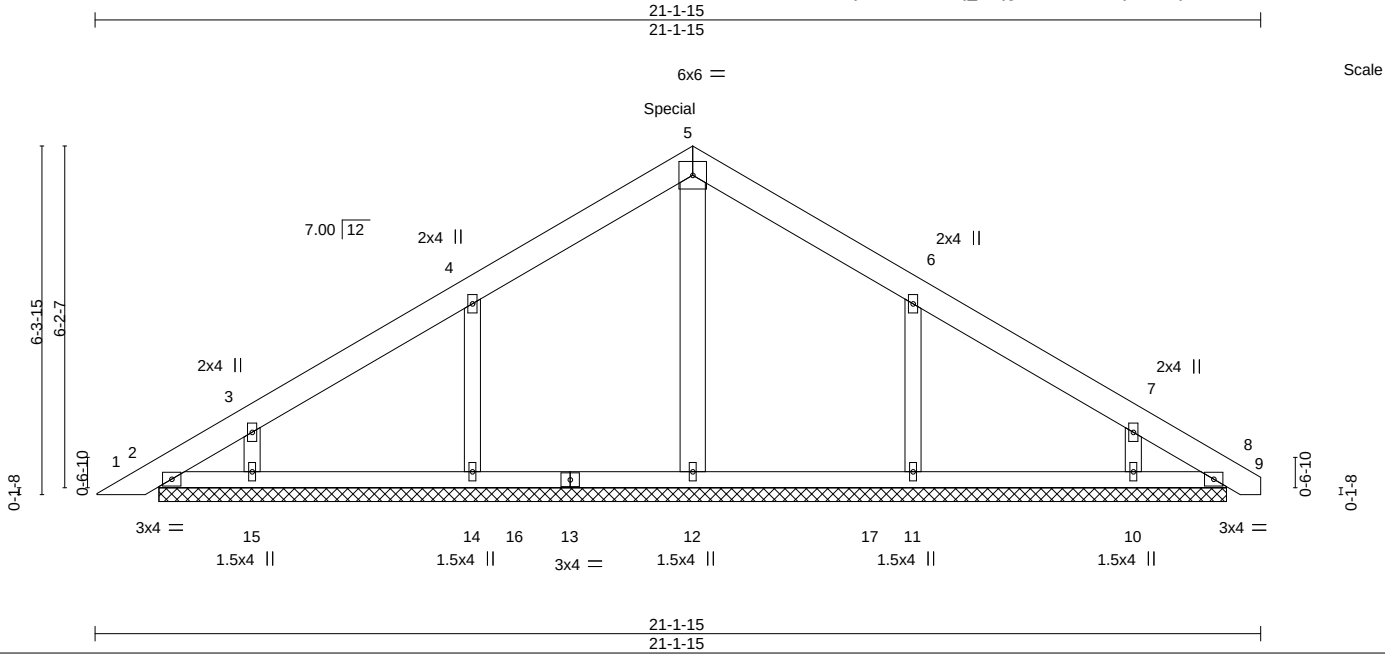


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.12 | Vert(LL) | -0.00 | 8 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.21 | Vert(CT) | -0.00 | 8 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.44 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 111 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 *Except*
5-12: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 19-4-10.
(lb) - Max Horz 2=149(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 10, 8 except 12=-120(LC 12), 14=-127(LC 12), 11=-126(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 10, 8 except 12=1426(LC 19), 14=412(LC 19), 11=411(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-260/107, 3-4=-266/121, 4-5=-266/181, 5-6=-266/169
WEBS 5-12=-1216/167, 4-14=-293/177, 6-11=-292/176

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15, 10, 8 except (jt=lb) 12=120, 14=127, 11=126.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1176 lb down and 214 lb up at 10-10-3 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).


**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-1170(F)

February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | PB7 | Piggyback | 13 | 1 | I50345246 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:44 2022 Page 1
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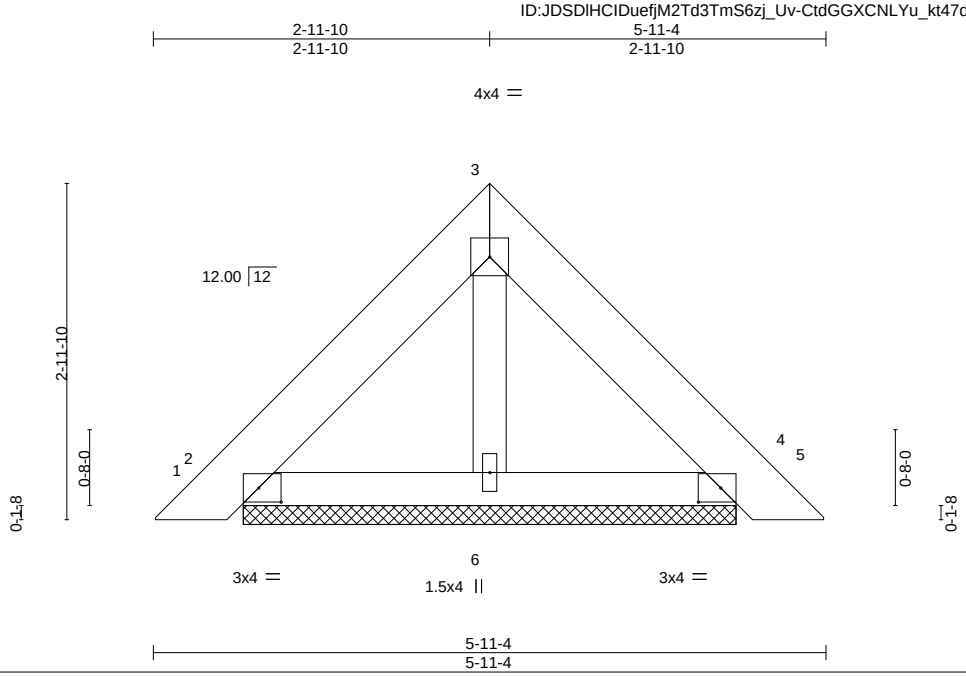


Plate Offsets (X,Y)-- [2:0-2-6,0-1-8], [4:0-2-6,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.04 | Vert(LL) | 0.00 | 4 | n/r | 120 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.05 | Vert(CT) | 0.00 | 4 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.01 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 29 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=4-4-3, 4=4-4-3, 6=4-4-3
Max Horz 2=-65(LC 10)
Max Uplift 2=-35(LC 13), 4=-40(LC 13)
Max Grav 2=141(LC 1), 4=141(LC 1), 6=131(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V1 | Valley | 1 | 1 | I50345247 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:45 2022 Page 1
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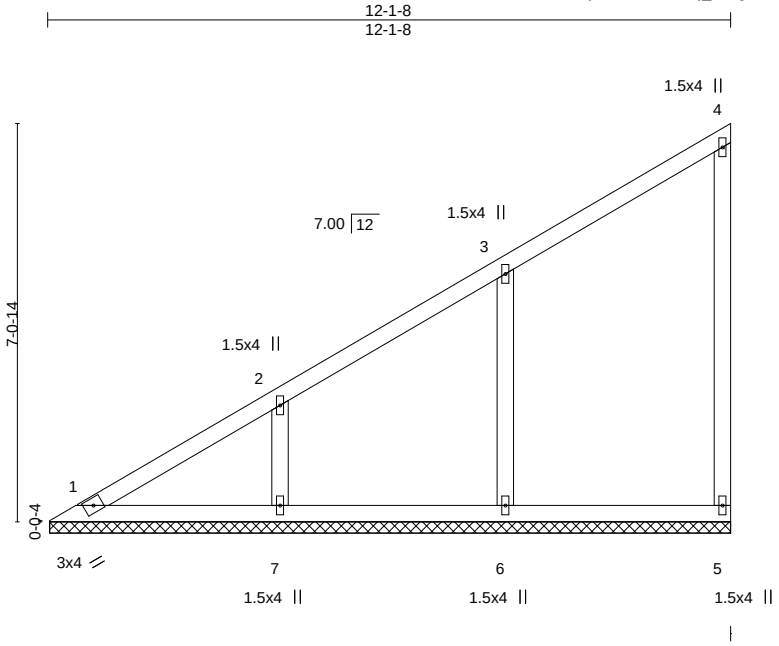


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.17 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.10 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 57 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 12-1-1.
(lb) - Max Horz 1=258(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 6=-117(LC 12), 7=-116(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=427(LC 19), 7=340(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-266/227
WEBS 3-6=-273/171, 2-7=-261/159

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=117, 7=116.


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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V2 | Valley | 1 | 1 | I50345248 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:56 2022 Page 1
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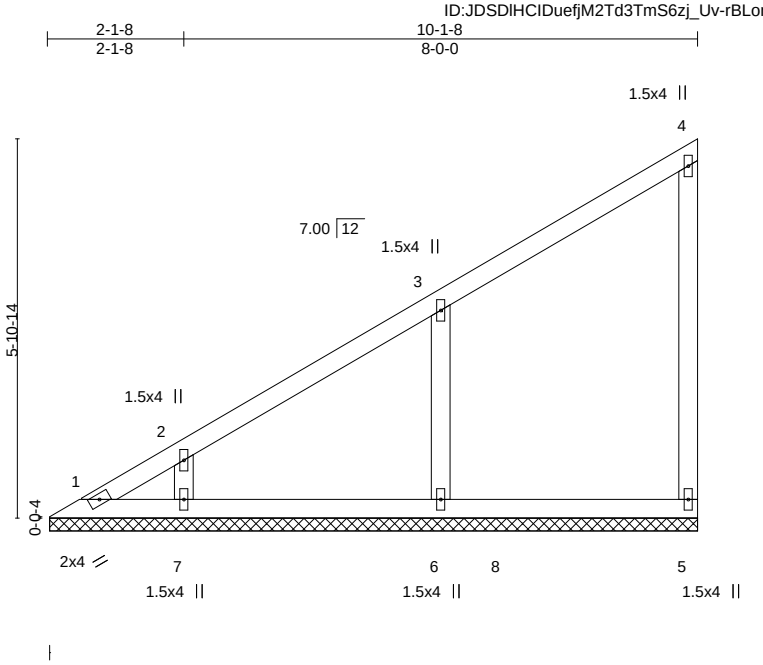


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.34 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.26 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 45 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.3 |
| BOT CHORD | 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

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

**REACTIONS.** All bearings 10-1-1.
(lb) - Max Horz 1=213(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-122(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=414(LC 19), 7=259(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-283/181

**NOTES-**

1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=122.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V3 | Valley | 1 | 1 | I50345249 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:57 2022 Page 1
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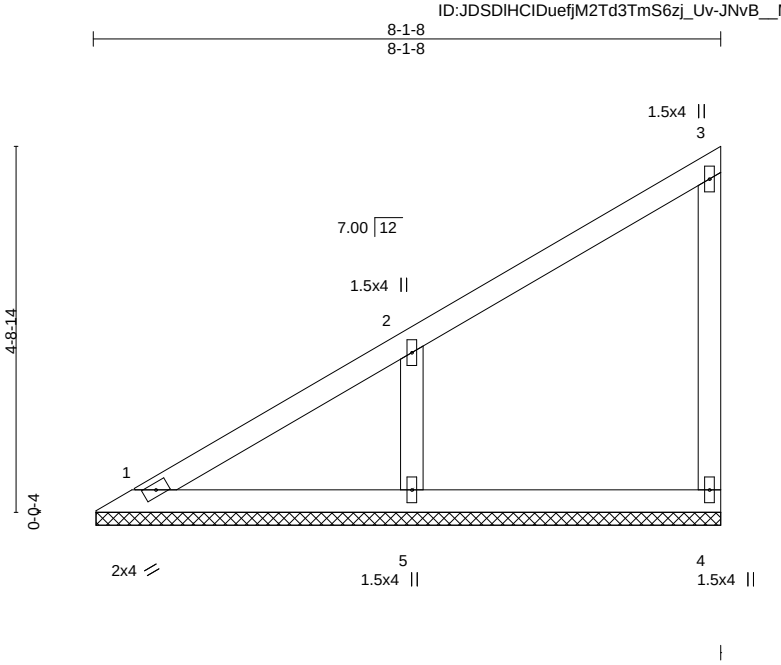


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.39 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.23 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 34 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=8-1-1, 4=8-1-1, 5=8-1-1
Max Horz 1=168(LC 12)
Max Uplift 4=-41(LC 12), 5=-129(LC 12)
Max Grav 1=108(LC 21), 4=124(LC 19), 5=390(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-297/197

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=129.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V4 | Valley | 1 | 1 | I50345250 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:58 2022 Page 1
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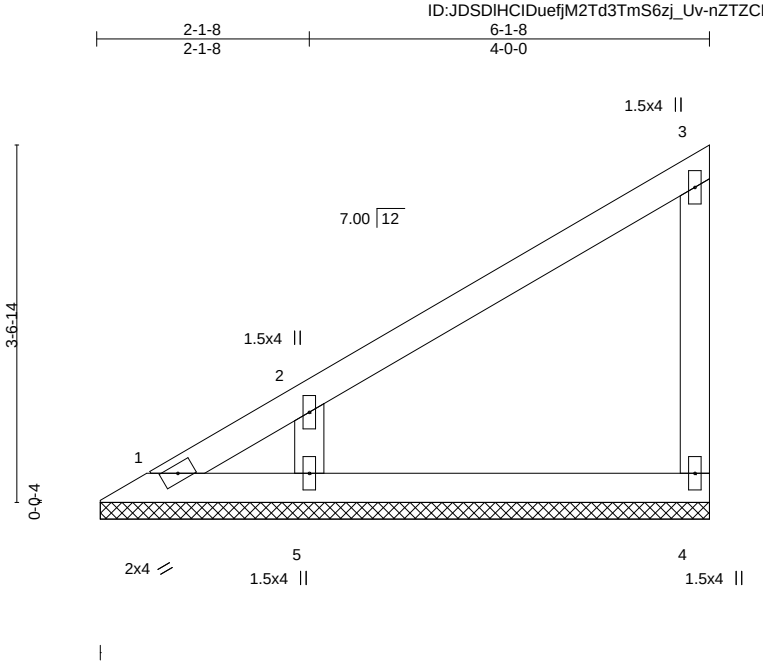


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.33 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 24 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=6-1-1, 4=6-1-1, 5=6-1-1
Max Horz 1=123(LC 12)
Max Uplift 1=-31(LC 10), 4=-44(LC 12), 5=-110(LC 12)
Max Grav 1=74(LC 12), 4=131(LC 19), 5=333(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-255/176

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb) 5=110.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V5 | Valley | 1 | 1 | I50345251 |
| | | | | | Job Reference (optional) |

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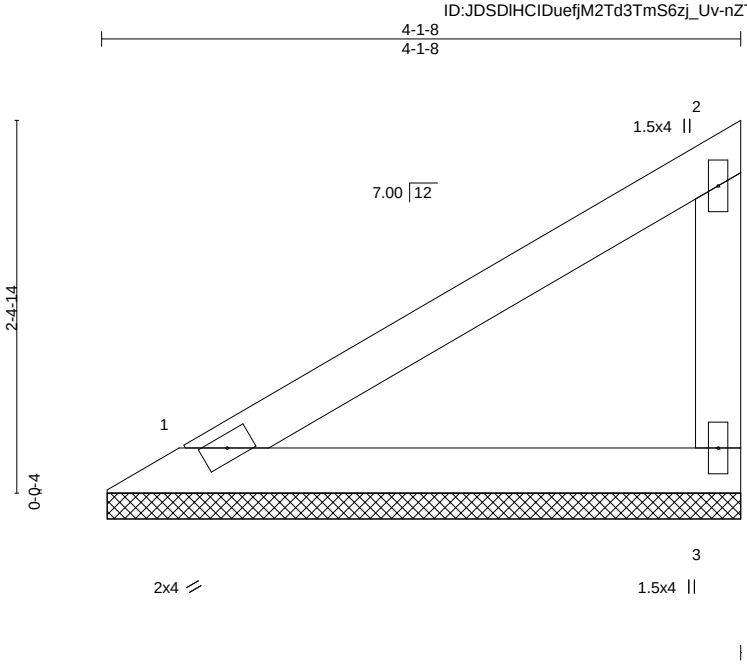


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.37 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.23 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 15 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=4-1-1, 3=4-1-1
Max Horz 1=78(LC 12)
Max Uplift 1=-3(LC 12), 3=-48(LC 12)
Max Grav 1=138(LC 1), 3=144(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V6 | GABLE | 2 | 1 | I50345252 |
| | | | | | Job Reference (optional) |

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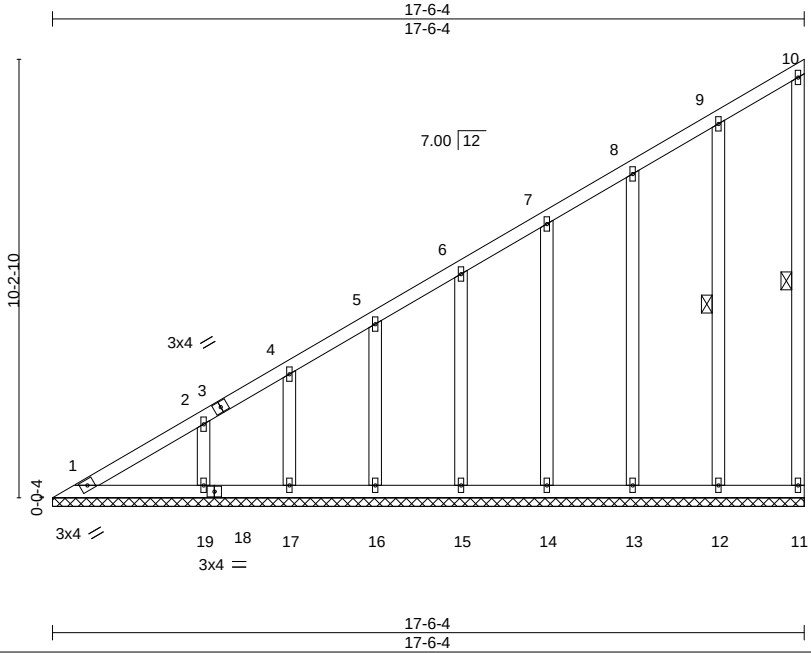


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.12 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.06 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.14 | Horz(CT) | -0.00 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 122 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| BOT CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied 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 10-11, 9-12 |

**REACTIONS.** All bearings 17-6-4.
(lb) - Max Horz 1=380(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11, 1, 12, 13, 14, 15, 16, 17, 19
Max Grav All reactions 250 lb or less at joint(s) 11, 1, 12, 13, 14, 15, 16, 17 except 19=257(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-412/334, 2-4=-336/265, 4-5=-290/234

**NOTES-**

1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 1, 12, 13, 14, 15, 16, 17, 19.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V7 | Valley | 1 | 1 | I50345253 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:15:01 2022 Page 1
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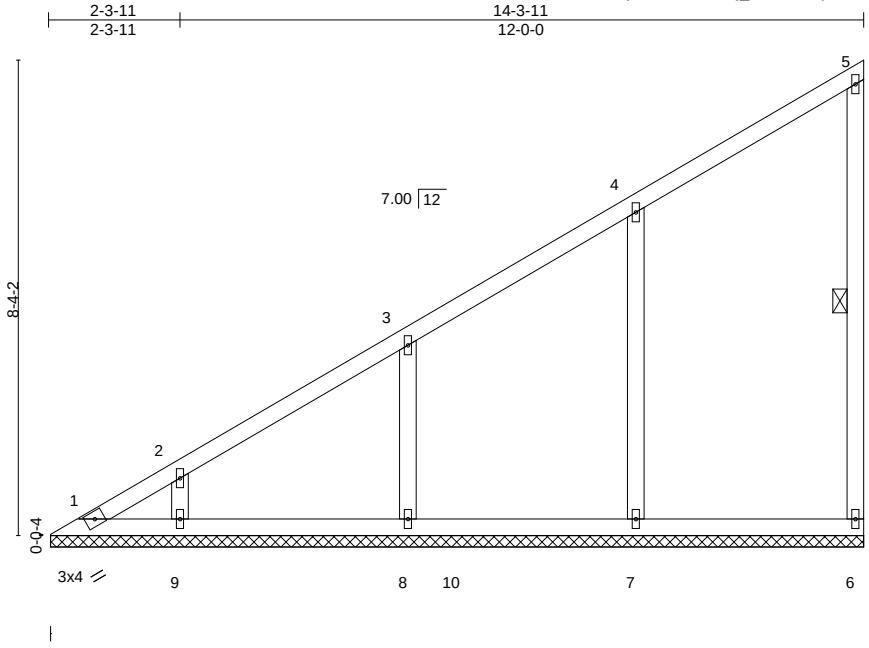


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.17 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 70 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| BOT CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied 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 5-6 |

**REACTIONS.** All bearings 14-3-4.
(lb) - Max Horz 1=307(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 9 except 7=-118(LC 12), 8=-113(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=495(LC 19), 8=375(LC 19), 9=276(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-348/289, 2-3=-270/225
WEBS 4-7=-274/171, 3-8=-259/161

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 9 except (jt=lb) 7=118, 8=113.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V8 | Valley | 1 | 1 | I50345254 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:15:01 2022 Page 1
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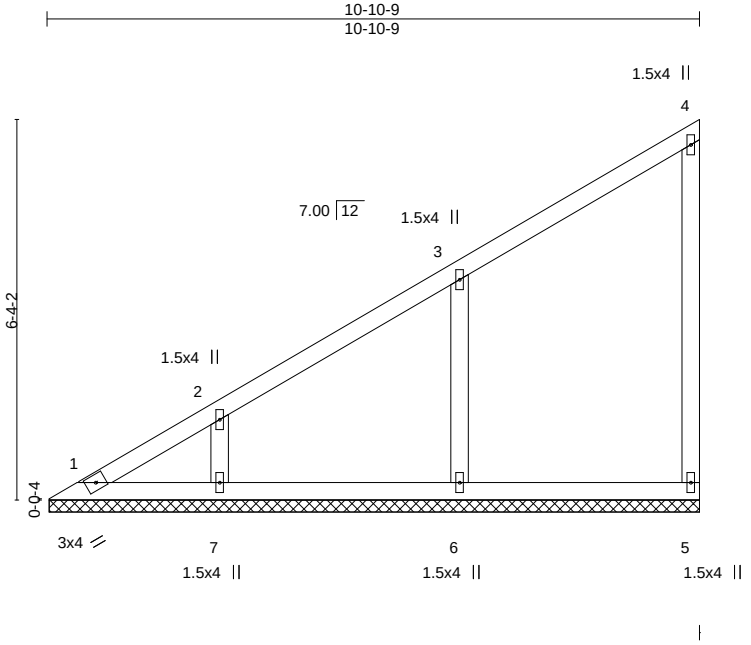


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.34 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.28 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.08 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 49 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.3 |
| BOT CHORD | 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

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

**REACTIONS.** All bearings 10-10-2.
(lb) - Max Horz 1=230(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-121(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=440(LC 19), 7=278(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-251/212
WEBS 3-6=-282/178

**NOTES-**

1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=121.


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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V9 | Valley | 1 | 1 | I50345255 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:15:02 2022 Page 1
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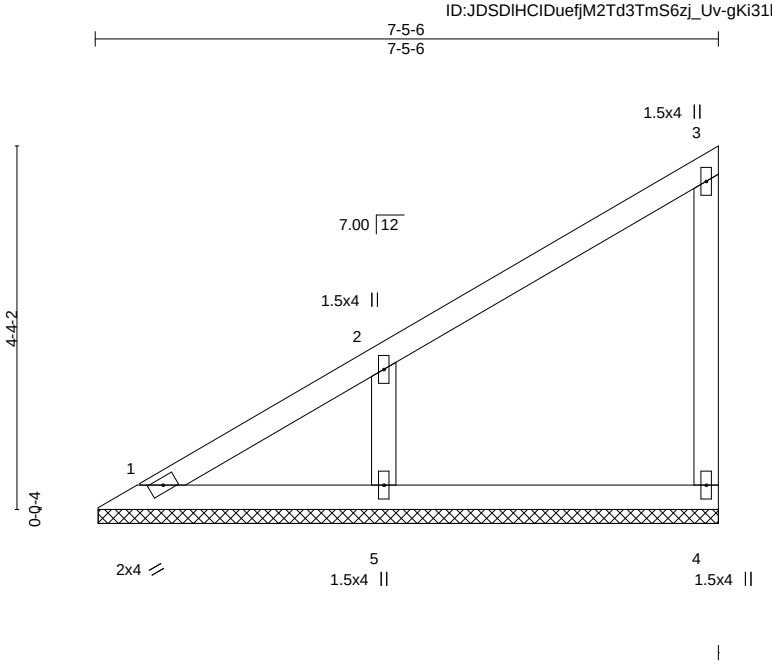


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.34 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 31 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=7-4-15, 4=7-4-15, 5=7-4-15
Max Horz 1=152(LC 12)
Max Uplift 4=-43(LC 12), 5=-119(LC 12)
Max Grav 1=87(LC 21), 4=129(LC 19), 5=360(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-274/184

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=119.


February 22,2022



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818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V10 | Valley | 1 | 1 | I50345256 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:45 2022 Page 1
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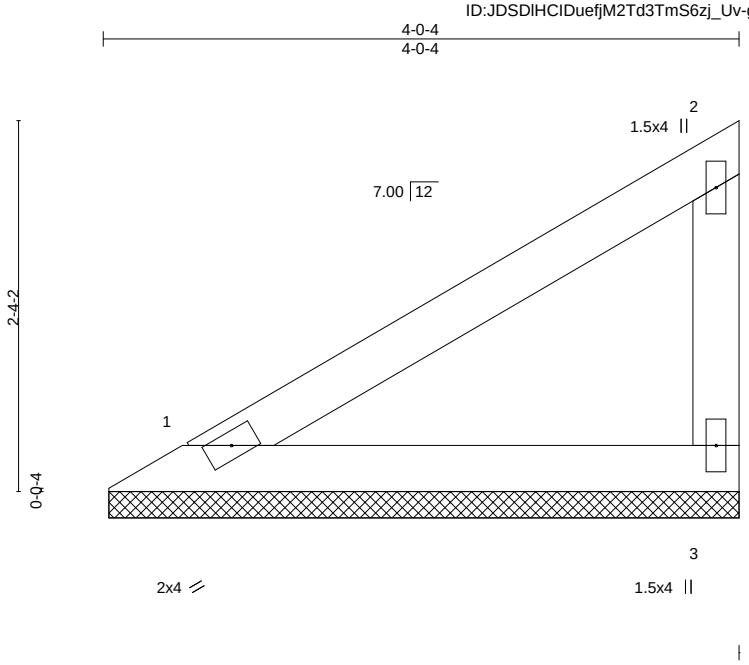


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.35 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.22 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 14 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-0-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=3-11-13, 3=3-11-13
Max Horz 1=75(LC 12)
Max Uplift 1=-2(LC 12), 3=-46(LC 12)
Max Grav 1=133(LC 1), 3=140(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V11 | Valley | 1 | 1 | I50345257 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:46 2022 Page 1
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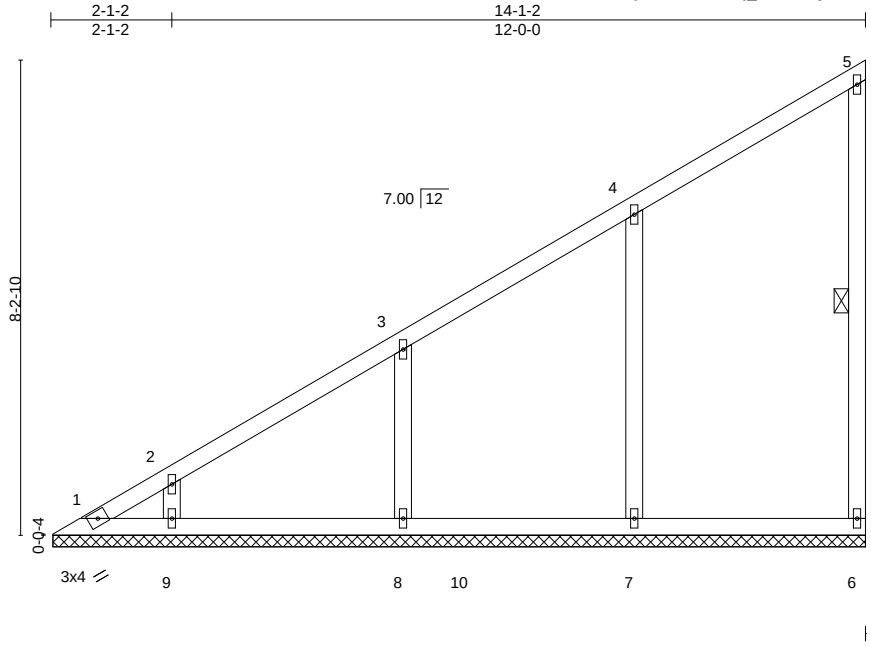


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.16 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 69 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| BOT CHORD | 2x4 SP No.2 or 2x4 SPF No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied 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 5-6 |

**REACTIONS.** All bearings 14-0-11.
(lb) - Max Horz 1=302(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 9 except 7=-118(LC 12), 8=-113(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=494(LC 19), 8=370(LC 19), 9=275(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-347/289, 2-3=-270/225
WEBS 4-7=-274/171, 3-8=-259/161

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 9 except (jt=lb) 7=118, 8=113.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V12 | Valley | 1 | 1 | I50345258 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:47 2022 Page 1
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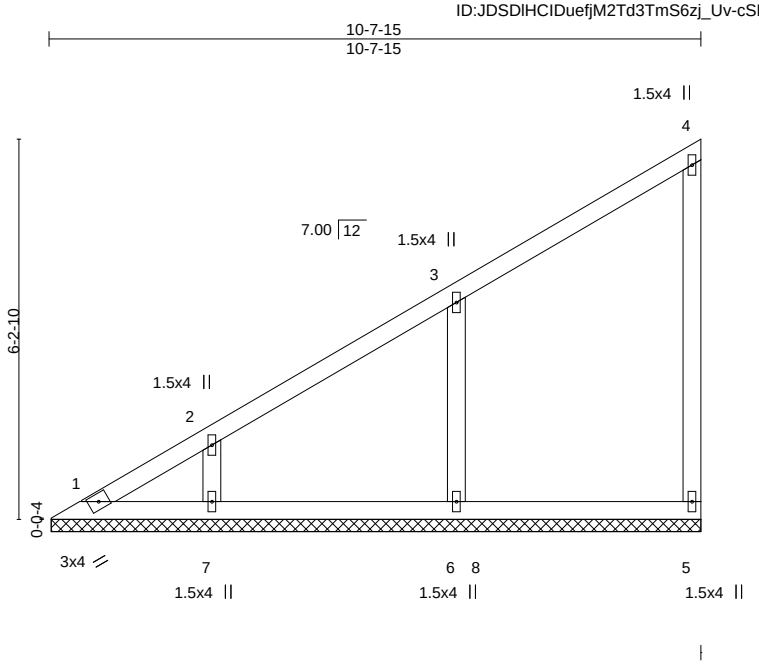


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.34 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.28 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.08 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 48 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.3 |
| BOT CHORD | 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

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

**REACTIONS.** All bearings 10-7-9.
(lb) - Max Horz 1=225(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 6=-122(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=429(LC 19), 7=271(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-282/179

**NOTES-**

1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=122.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V13 | Valley | 1 | 1 | I50345259 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:48 2022 Page 1
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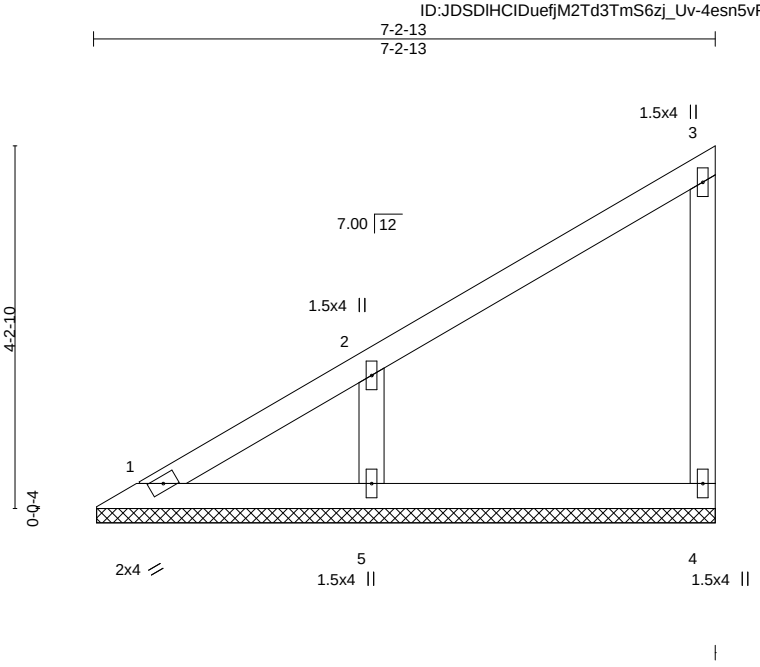


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.33 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 30 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=7-2-6, 4=7-2-6, 5=7-2-6
Max Horz 1=148(LC 12)
Max Uplift 4=-43(LC 12), 5=-116(LC 12)
Max Grav 1=80(LC 21), 4=130(LC 19), 5=352(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-268/181

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=116.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V14 | Valley | 1 | 1 | I50345260 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:49 2022 Page 1
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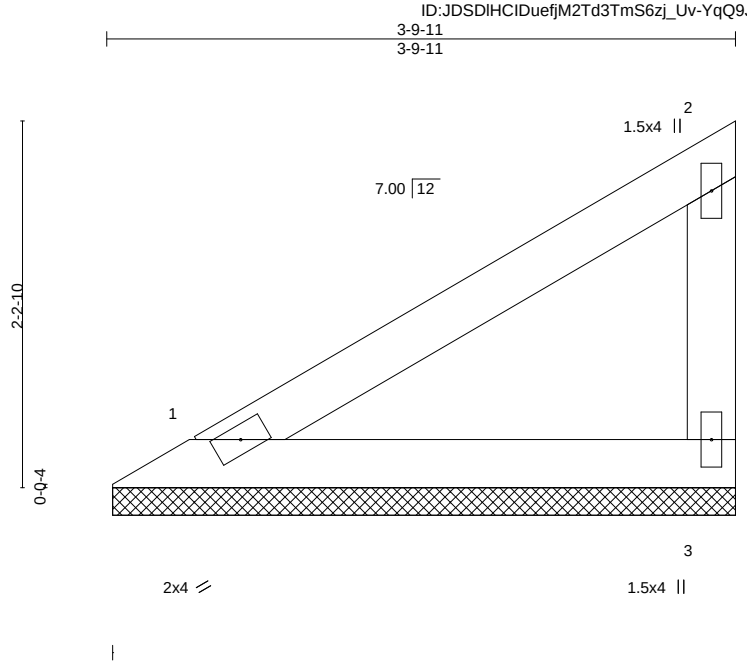


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.30 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 14 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=3-9-4, 3=3-9-4
Max Horz 1=70(LC 12)
Max Uplift 1=-2(LC 12), 3=-43(LC 12)
Max Grav 1=125(LC 1), 3=131(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.


February 22,2022



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| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V15 | GABLE | 1 | 1 | I50345261 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:51 2022 Page 1
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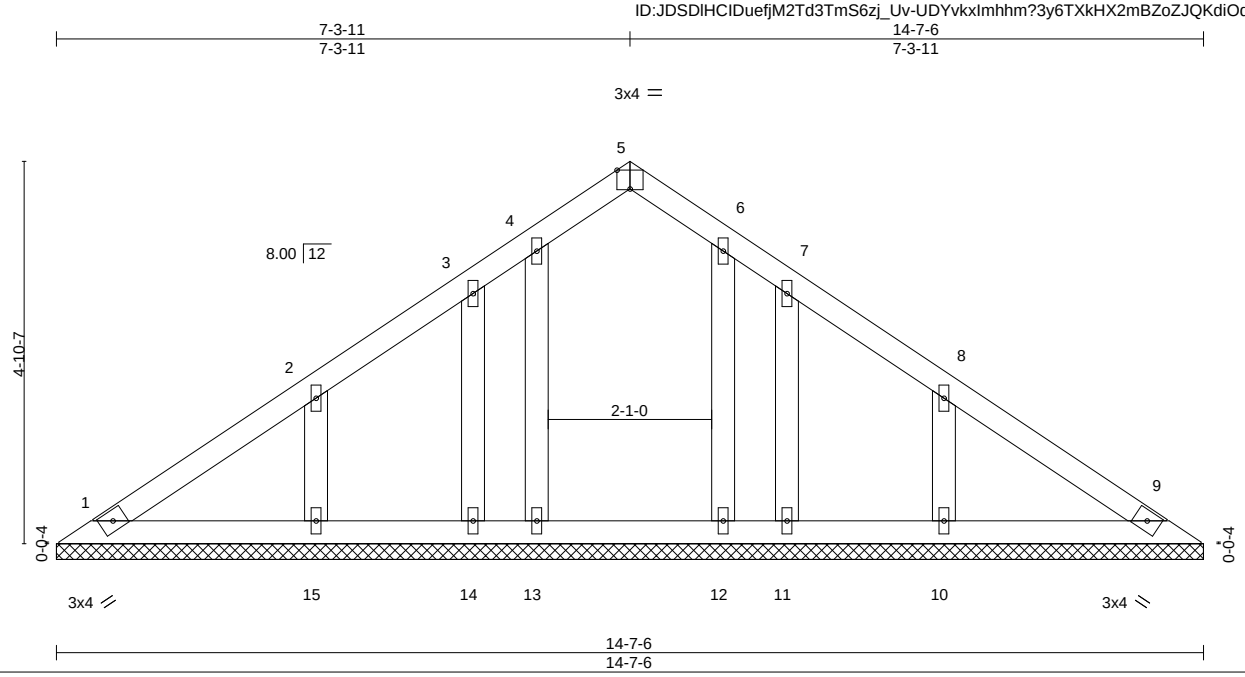


Plate Offsets (X,Y)-- [5:0-2-0,Edge], [6:0-0-0,0-0-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.15 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.06 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.04 | Horz(CT) | 0.00 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 70 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 14-7-6.
(lb) - Max Horz 1=-113(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 12, 14, 11 except 15=258(LC 19), 10=258(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15, 11, 10.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V16 | Valley | 1 | 1 | I50345262 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:52 2022 Page 1
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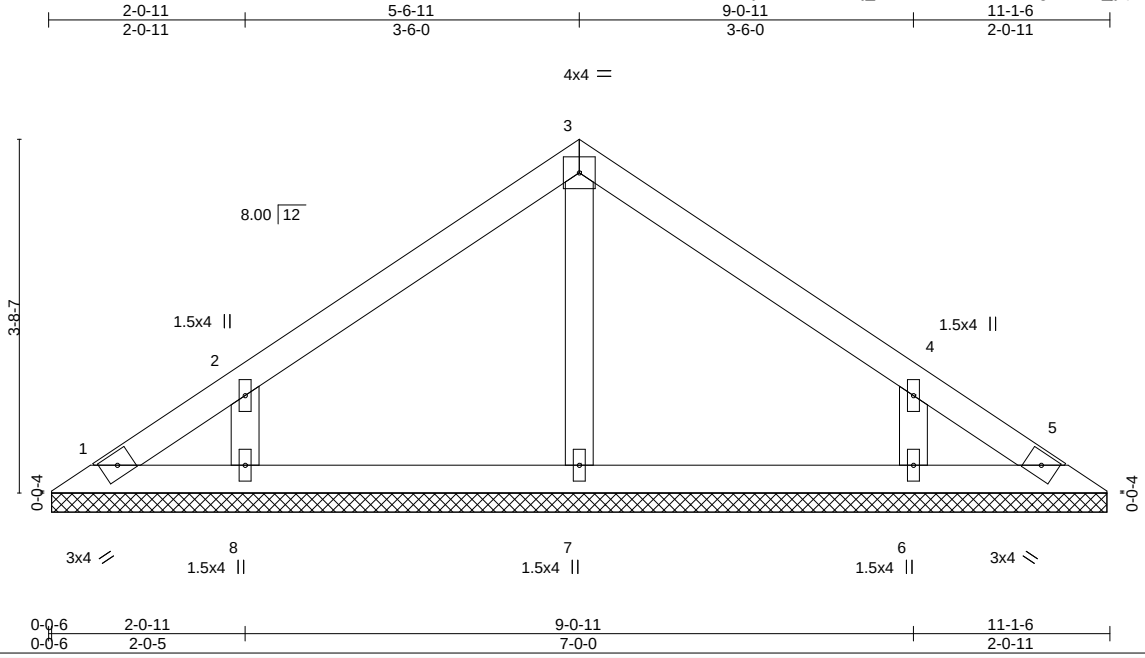


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.22 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.16 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.04 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 42 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 11-0-10.
(lb) - Max Horz 1=-84(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-110(LC 12), 6=-110(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=273(LC 19), 6=273(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=110, 6=110.


February 22,2022



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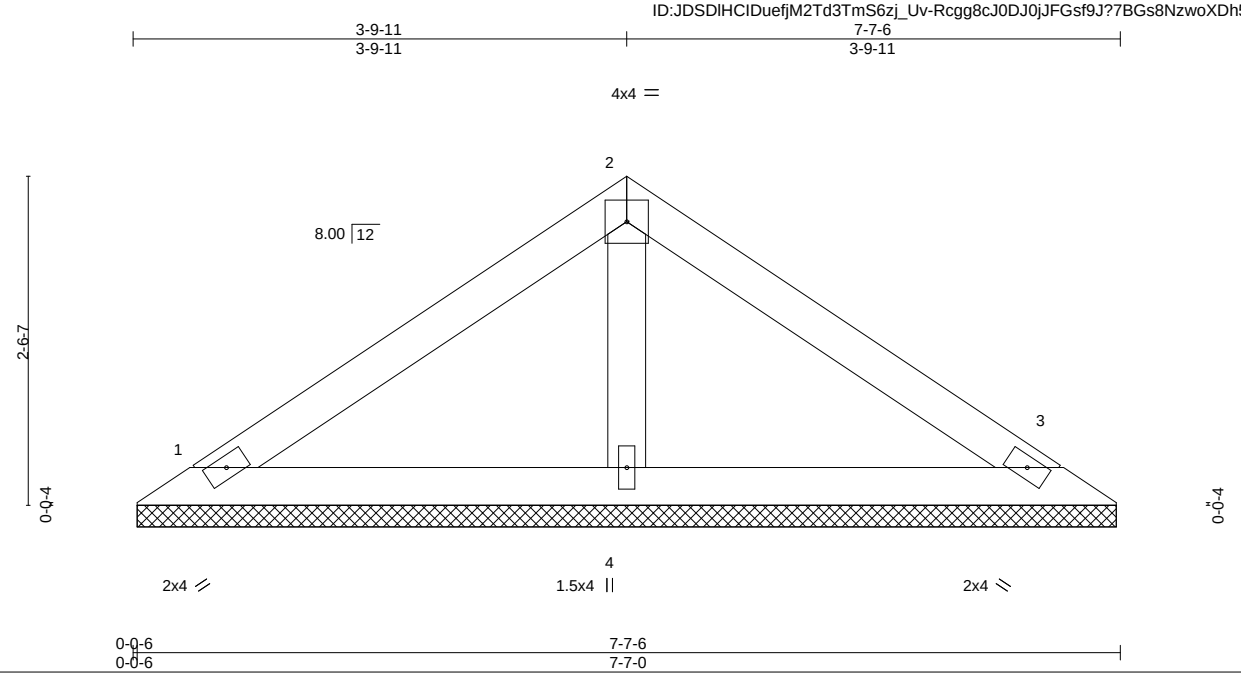
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V17 | Valley | 1 | 1 | I50345263 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:53 2022 Page 1
ID:JDSDlHCIDuefjM2Td3TmS6zj_Uv-Rcgg8cJ0DJ0jJFGsf9J?7BGs8NzwoXDh5zx8TJzix1m




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.35 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.04 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 26 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=7-6-10, 3=7-6-10, 4=7-6-10
Max Horz 1=-55(LC 8)
Max Uplift 1=-32(LC 12), 3=-39(LC 13)
Max Grav 1=142(LC 1), 3=142(LC 1), 4=247(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.


February 22,2022



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Travis SC3593 |
|---|---|---|---|---|---|
| 10_REMINGTON_HILL | V18 | Valley | 1 | 1 | I50345264 |
| | | | | | Job Reference (optional) |

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Dec 6 2021 MiTek Industries, Inc. Mon Feb 21 11:14:54 2022 Page 1
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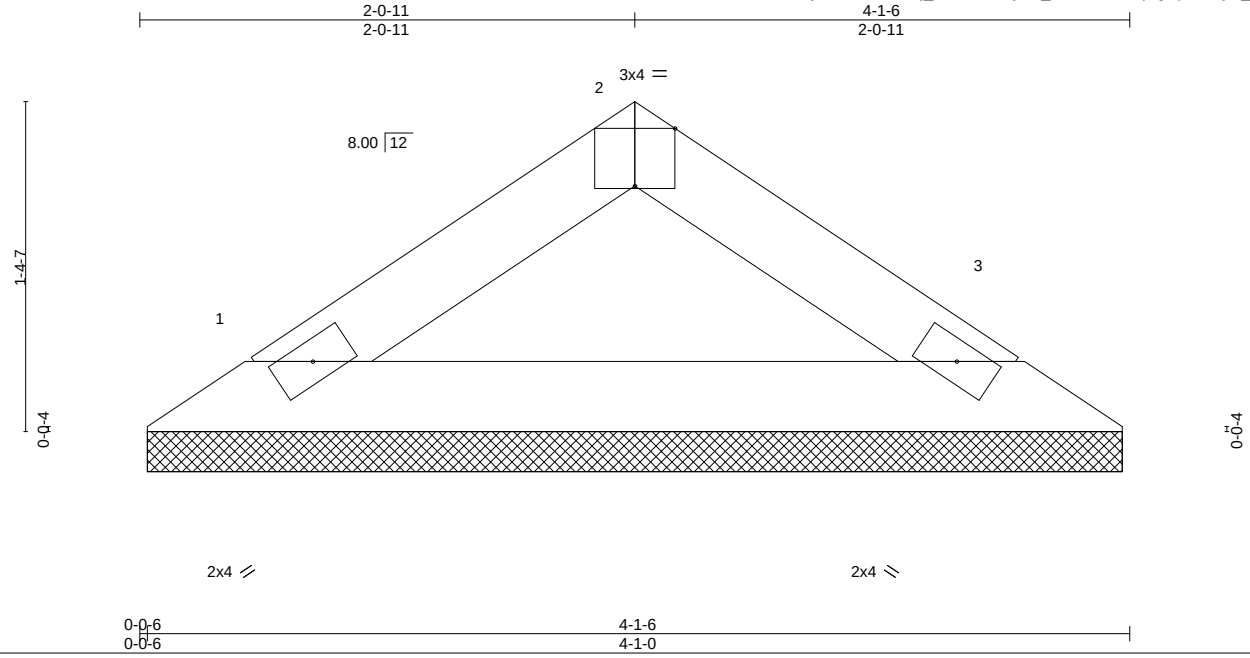


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 12 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=4-0-10, 3=4-0-10
Max Horz 1=-26(LC 10)
Max Uplift 1=-14(LC 12), 3=-14(LC 13)
Max Grav 1=126(LC 1), 3=126(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.


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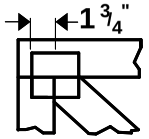
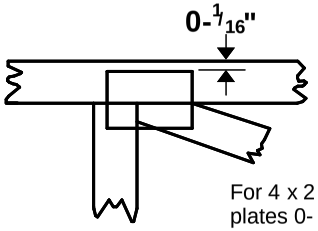
# Symbols

## PLATE LOCATION AND ORIENTATION




Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.




For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

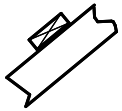
*** Plate location details available in MiTek 20/20 software or upon request.**

## PLATE SIZE

4 x 4

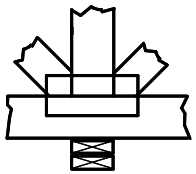
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

## BEARING

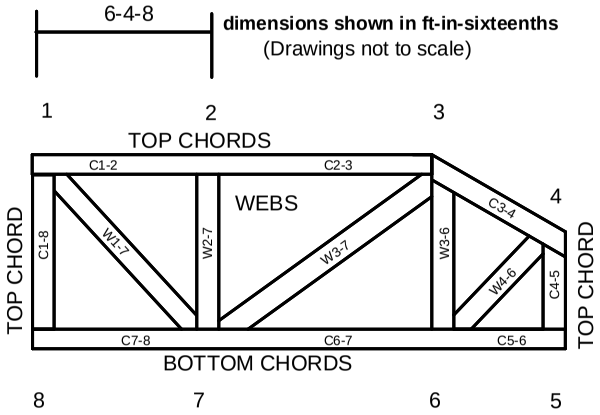


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System




**JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.**

**CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.**

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.



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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.