

RE: RG14-A01 Special Bonus
 RG14-A01 Special Bonus

Trenco
 818 Soundside Rd
 Edenton, NC 27932

Site Information:

Customer: WELLONS CONSTRUCTION Project Name: RG14-A01 Special Bonus
 Lot/Block: Model: RG14-A01 Stanton Special
 Address: Lot 1 Goose Creek, Holly Road Subdivision:
 City: Dunn State: NC

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.5
 Wind Code: ASCE 7-10 Wind Speed: 130 mph
 Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 14 individual, dated Truss Design Drawings and 0 Additional Drawings.

| No. | Seal# | Truss Name | Date |
|-----|-----------|------------|------------|
| 1 | I48329892 | A | 10/14/2021 |
| 2 | I48329893 | A1 | 10/14/2021 |
| 3 | I48329894 | A2 | 10/14/2021 |
| 4 | I48329895 | A3 | 10/14/2021 |
| 5 | I48329896 | A4 | 10/14/2021 |
| 6 | I48329897 | A4E | 10/14/2021 |
| 7 | I48329898 | A5 | 10/14/2021 |
| 8 | I48329899 | A6 | 10/14/2021 |
| 9 | I48329900 | AE | 10/14/2021 |
| 10 | I48329901 | B | 10/14/2021 |
| 11 | I48329902 | B1 | 10/14/2021 |
| 12 | I48329903 | B1A | 10/14/2021 |
| 13 | I48329904 | BE | 10/14/2021 |
| 14 | I48329905 | PB2 | 10/14/2021 |

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.
 Truss Design Engineer's Name: Sevier, Scott
 My license renewal date for the state of North Carolina is December 31, 2021.
 North Carolina COA: C-0844

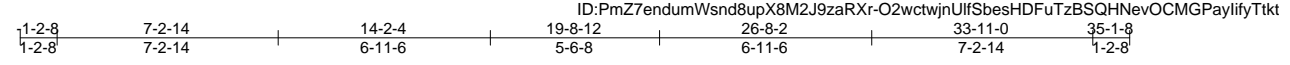
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.



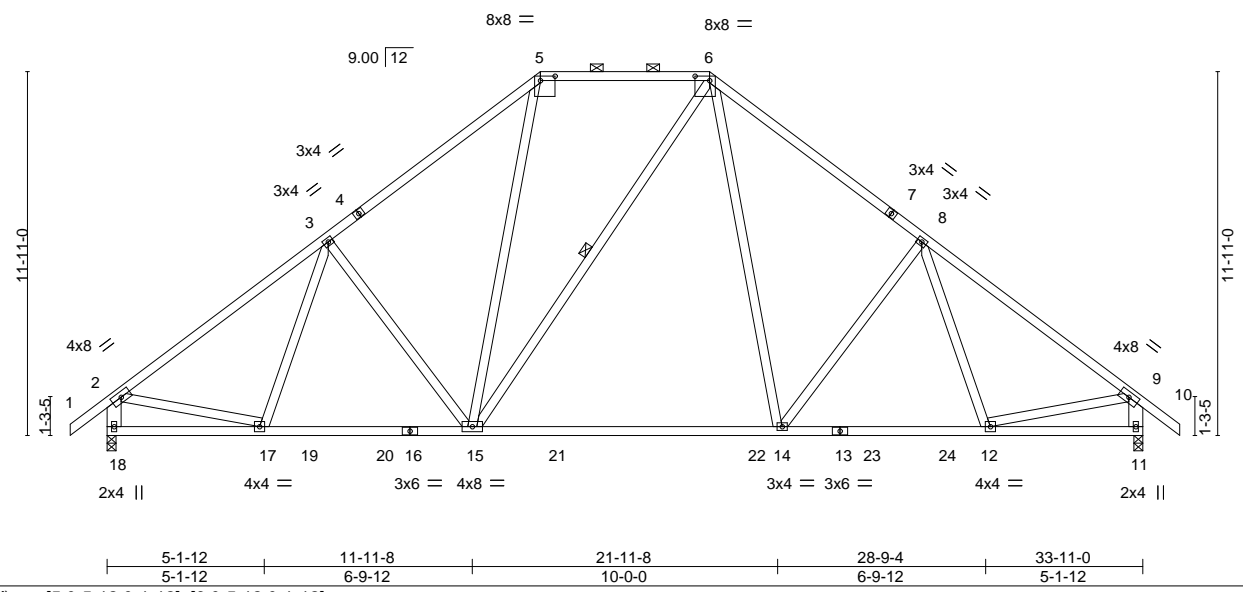
October 14, 2021

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|------------------------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329892 |
| RG14-A01 Special Bonus | A | Piggyback Base | 6 | 1 | Job Reference (optional) | |

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Scale = 1:75.5



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|-----------------------|--------------------------------------|
| Plate Offsets (X,Y)-- | [5:0-5-12,0-1-12], [6:0-5-12,0-1-12] |
|-----------------------|--------------------------------------|

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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 0.63 | Vert(LL) -0.35 14-15 >999 240 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.76 | Vert(CT) -0.57 14-15 >708 180 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.45 | Horz(CT) 0.04 11 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-MS | | Weight: 231 lb | FT = 20% |

| | |
|---|--|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-8 max.): 5-6. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 13-16: 2x4 SP No.1 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 6-15: 2x4 SP No.2 or 2x4 SPF No.2, 2-18,9-11: 2x6 SP No.2 | WEBS 1 Row at midpt 6-15 |

REACTIONS. (size) 18=0-3-8, 11=0-3-8
 Max Horz 18=327(LC 11)
 Max Uplift 18=148(LC 12), 11=148(LC 13)
 Max Grav 18=1425(LC 1), 11=1427(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1579/302, 3-5=-1463/407, 5-6=-975/375, 6-8=-1482/407, 8-9=-1592/302, 2-18=-1375/307, 9-11=-1378/307
 BOT CHORD 17-18=-335/433, 15-17=-163/1381, 14-15=0/1014, 12-14=-104/1229, 11-12=-111/272
 WEBS 3-15=-380/276, 5-15=-83/567, 6-14=-114/651, 8-14=-380/275, 2-17=-6/1052, 9-12=-6/1061

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 11. This connection is for uplift only and does not consider lateral forces.
 - 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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| <p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p> | <p>818 Soundside Road Edenton, NC 27932</p> |
|--|---|

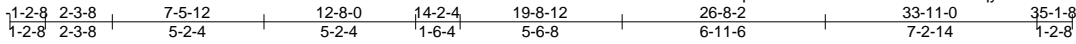
| | | | | | | |
|------------------------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329893 |
| RG14-A01 Special Bonus | A1 | Piggyback Base | 4 | 1 | Job Reference (optional) | |

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Dunn, NC - 28334,

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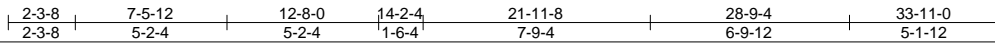
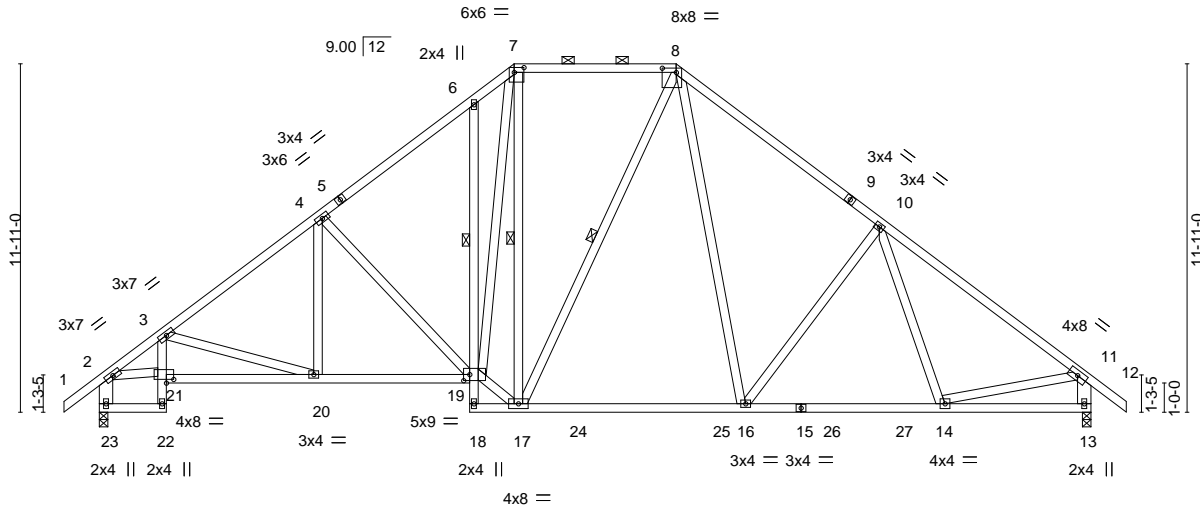


Plate Offsets (X,Y)-- [7:0-4-0,0-2-0], [8:0-5-12,0-1-12], [19:0-2-8,0-2-8], [21:0-3-0,0-1-8]

| 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 0.62 | Vert(LL) | -0.14 | 16-17 | >999 | 240 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.68 | Vert(CT) | -0.25 | 16-17 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.66 | Horz(CT) | 0.11 | 13 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | |
| | | | | | | | | | Weight: 267 lb | FT = 20% |

| LUMBER- | BRACING- |
|---|--|
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-4 max.): 7-8. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 3-22,6-18: 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 1 Row at midpt 6-19 |
| WEBS 2x4 SP No.3 *Except* 8-17: 2x4 SP No.2 or 2x4 SPF No.2, 2-23,11-13: 2x6 SP No.2 | WEBS 1 Row at midpt 7-17, 8-17 |

REACTIONS. (size) 23=0-3-8, 13=0-3-8
 Max Horz 23=327(LC 11)
 Max Uplift 23=148(LC 12), 13=148(LC 13)
 Max Grav 23=1425(LC 1), 13=1425(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2069/346, 3-4=-1833/343, 4-6=-1481/382, 6-7=-1385/488, 7-8=-949/365,
 8-10=-1409/410, 10-11=-1566/300, 2-23=-1379/269, 11-13=-1379/305
 BOT CHORD 20-21=-393/1971, 19-20=-158/1515, 16-17=0/969, 14-16=-104/1190, 13-14=-113/269
 WEBS 3-20=-474/244, 4-20=0/285, 4-19=-492/213, 17-19=-15/1172, 7-19=-294/1134,
 7-17=-484/216, 8-16=-130/584, 10-16=-387/270, 2-21=-260/1688, 11-14=-2/1037

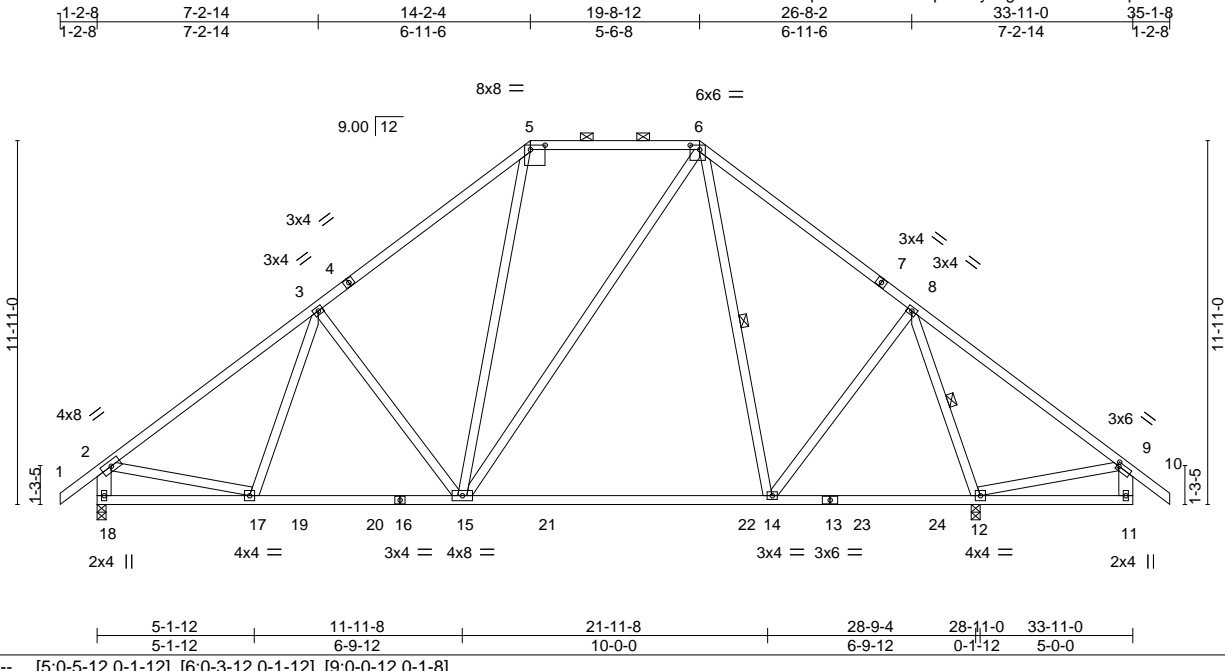
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 23 and 13. This connection is for uplift only and does not consider lateral forces.
 - 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 | RG14-A01 Special Bonus | 148329894 |
| RG14-A01 Special Bonus | A2 | Piggyback Base | 3 | 1 | Job Reference (optional) | |

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Scale = 1:75.5

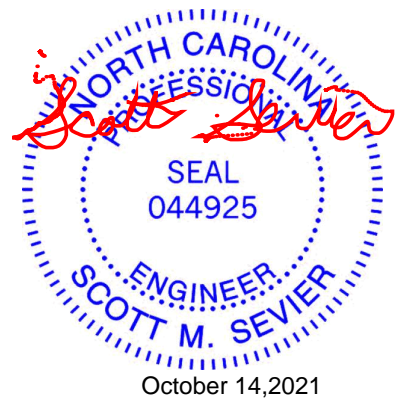
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.71 | in (loc) l/defl L/d | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.99 | Vert(LL) -0.38 14-15 >891 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.49 | Vert(CT) -0.61 14-15 >566 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(CT) 0.02 12 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 231 lb | FT = 20% |

| LUMBER- | BRACING- |
|---|---|
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: |
| WEBS 2x4 SP No.3 *Except* | WEBS 2-2-0 oc bracing: 14-15. |
| 6-15: 2x4 SP No.2 or 2x4 SPF No.2, 2-18,9-11: 2x6 SP No.2 | 1 Row at midpt 6-14, 8-12 |

| REACTIONS. |
|---|
| (size) 18=0-3-8, 12=0-3-8 |
| Max Horz 18=327(LC 11) |
| Max Uplift 18=-139(LC 12), 12=-173(LC 13) |
| Max Grav 18=1187(LC 19), 12=1670(LC 1) |

| FORCES. |
|--|
| (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD 2-3=-1266/221, 3-5=-1102/321, 5-6=-749/316, 6-8=-810/248, 8-9=-219/506, 2-18=-1142/250 |
| BOT CHORD 17-18=-335/431, 15-17=-159/1131, 14-15=-41/632, 12-14=0/262 |
| WEBS 3-15=-407/277, 5-15=-42/350, 6-15=-124/377, 8-14=-32/592, 8-12=-1529/422, 2-17=0/801, 9-12=-489/409 |

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 12. This connection is for uplift only and does not consider lateral forces.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



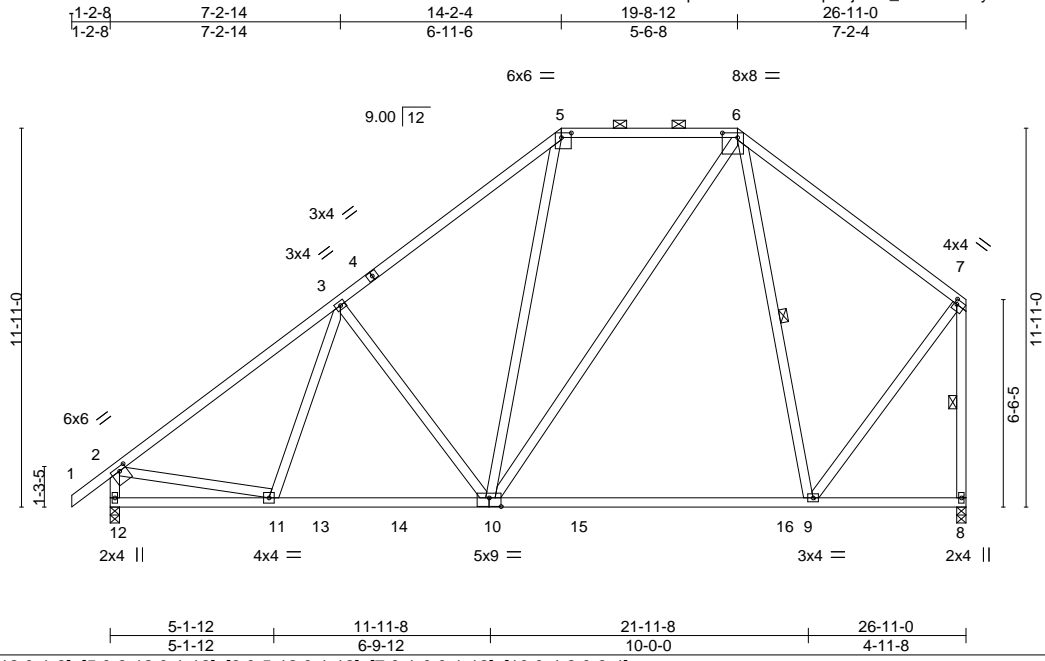
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|------------------------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329895 |
| RG14-A01 Special Bonus | A3 | Piggyback Base | 1 | 1 | Job Reference (optional) | |

84 Components (Dunn),

Dunn, NC - 28334,

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Scale = 1:72.5

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|-----------------------|--|
| Plate Offsets (X,Y)-- | [2:0-2-12,0-1-8], [5:0-3-12,0-1-12], [6:0-5-12,0-1-12], [7:0-1-0,0-1-12], [10:0-4-8,0-3-4] |
|-----------------------|--|

| 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 0.82 | Vert(LL) | -0.40 | 9-10 | >807 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.98 | Vert(CT) | -0.62 | 9-10 | >516 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.51 | Horz(CT) | 0.02 | 8 | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | |
| | | | | | | | | Weight: 195 lb | FT = 20% |

| | |
|---------------------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | 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.): 5-6. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* | WEBS 1 Row at midpt 6-9, 7-8 |
| 6-10: 2x4 SP No.2 or 2x4 SPF No.2 | |

| | |
|-------------------|---------------------------------------|
| REACTIONS. | (size) 12=0-3-8, 8=0-3-8 |
| | Max Horz 12=384(LC 9) |
| | Max Uplift 12=130(LC 12), 8=78(LC 12) |
| | Max Grav 12=1148(LC 1), 8=1081(LC 2) |

| | |
|----------------|---|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 2-3=-1229/234, 3-5=-1046/336, 5-6=-711/325, 6-7=-674/261, 2-12=-1098/255, 7-8=-1097/218 |
| BOT CHORD | 11-12=-443/515, 10-11=-360/1074, 9-10=-153/538 |
| WEBS | 3-10=-427/281, 5-10=-45/336, 6-10=-135/433, 6-9=-357/182, 2-11=0/775, 7-9=-76/751 |

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 8. This connection is for uplift only and does not consider lateral forces.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



October 14, 2021

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| <p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p> | <p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p> |
|--|---|

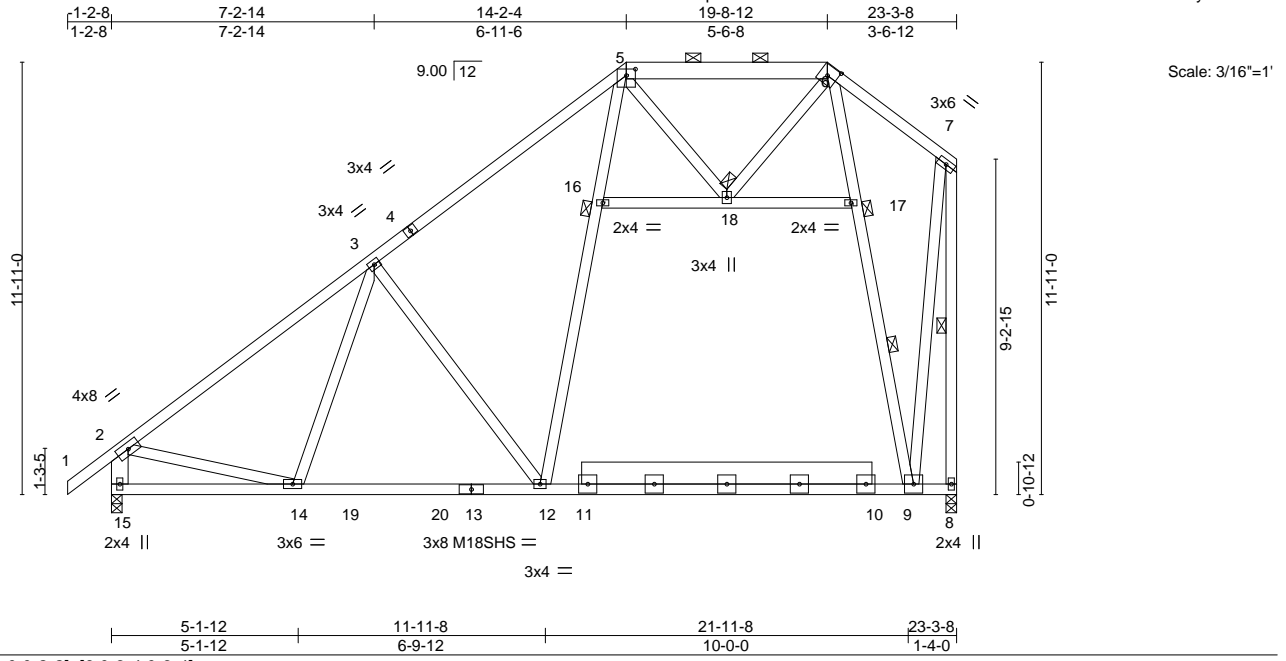
| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329896 |
| RG14-A01 Special Bonus | A4 | ROOF TRUSS | 6 | 1 | Job Reference (optional) | |

84 Components (Dunn),

Dunn, NC - 28334,

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| | | | | | |
|------------------------|----------------------------------|-------------|----------------------------------|----------------|-------------|
| Plate Offsets (X, Y)-- | [5:0-3-0,0-2-2], [6:0-3-4,0-3-4] | | | | |
| 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 0.98 | Vert(LL) 0.52 12-14 >528 240 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.75 | Vert(CT) -0.89 12-14 >311 180 | M18SHS | 197/144 |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.82 | Horz(CT) 0.01 8 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-MS | | Weight: 222 lb | FT = 20% |

| | |
|--|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 5-6: 2x6 SP No.2 | TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 10-11: 2x8 SP No.2, 8-13: 2x4 SP DSS | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 5-12,6-9: 2x4 SP DSS, 2-15: 2x6 SP No.2 | WEBS 1 Row at midpt 9-17, 7-8 JOINTS 1 Brace at Jt(s): 16, 17, 18 |

REACTIONS. (size) 15=0-3-8, 8=0-3-8
 Max Horz 15=369(LC 12)
 Max Uplift 15=82(LC 12), 8=134(LC 12)
 Max Grav 15=1028(LC 20), 8=999(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1099/136, 3-5=-797/198, 5-6=-371/190, 2-15=-1021/179, 7-8=-1578/337
 BOT CHORD 14-15=-463/423, 12-14=-304/870, 9-12=-95/378
 WEBS 3-12=-511/302, 12-16=-94/610, 5-16=-80/562, 6-17=-589/197, 9-17=-628/210,
 2-14=0/711, 7-9=-275/1508, 6-18=-119/400, 5-18=-401/120

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 6x6 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 8. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



October 14, 2021

| | | | | | | |
|------------------------|-------|--------------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329897 |
| RG14-A01 Special Bonus | A4E | Piggyback Base Supported Gable | 1 | 1 | Job Reference (optional) | |

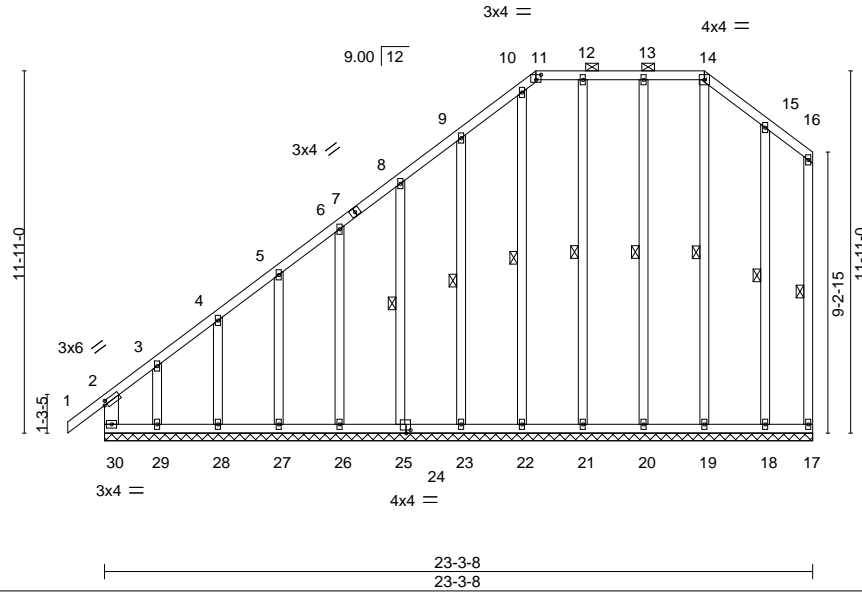
84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:13 2021 Page 1

ID:PmZ7endumWsnd8upX8M2J9zaRXr-hOrGLJoAqvXTxjud8DW6igEhBC82XTNIOA8ASlyTtkm



Scale = 1:75.8



| | |
|-----------------------|--|
| Plate Offsets (X,Y)-- | [2:0-1-2,0-1-8], [11:0-2-0,0-2-0], [24:0-1-12,0-1-4] |
|-----------------------|--|

| 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 0.33 | Vert(LL) | -0.00 | 1 | n/r | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.28 | Vert(CT) | -0.01 | 1 | n/r | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.12 | Horz(CT) | -0.00 | 17 | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 227 lb | FT = 20% |

| LUMBER- | BRACING- |
|---------------------------------------|---|
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | 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.): 11-14. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x6 SP No.2 *Except* | WEBS 1 Row at midpt 16-17, 14-19, 13-20, 12-21, 10-22, 9-23, 8-25, 15-18 |
| OTHERS 16-17: 2x4 SP No.3 | |
| 2x4 SP No.3 | |

REACTIONS. All bearings 23-3-8.
 (lb) - Max Horz 30=370(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 17, 20, 21, 22, 23, 25, 26, 27, 28, 18 except 30=208(LC 10), 29=431(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 17, 19, 20, 21, 22, 23, 25, 26, 27, 28, 18 except 30=519(LC 12), 29=297(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-30=-369/259, 2-3=-518/360, 3-4=-336/230, 4-5=-282/185
 WEBS 3-29=-257/285

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; 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 2x4 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) Truss to be fully sheathed on one face or securely braced against lateral movement (i.e. diagonal web).
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * 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.
 - 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.



October 14, 2021

| | |
|--|---|
| <p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p> | <p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p> |
|--|---|

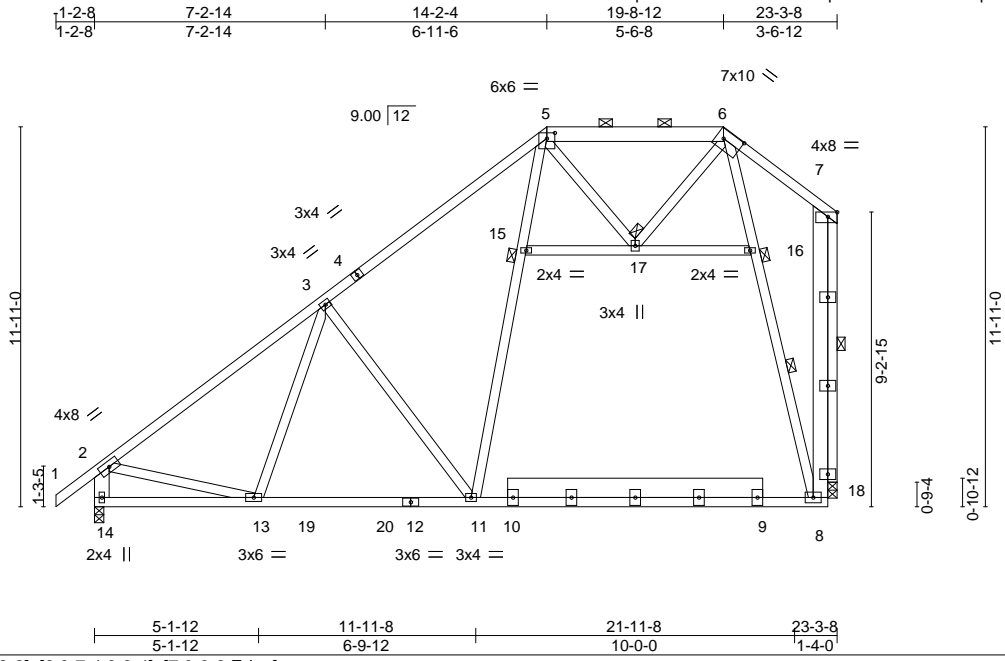
| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329898 |
| RG14-A01 Special Bonus | A5 | ROOF TRUSS | 1 | 1 | Job Reference (optional) | |

84 Components (Dunn),

Dunn, NC - 28334,

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Scale = 1:72.3

| | | | | | |
|-----------------------|--|-------------|----------------------------------|----------------|-------------|
| Plate Offsets (X,Y)-- | [5:0-3-0,0-2-2], [6:0-7-4,0-3-4], [7:0-3-8,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 0.85 | Vert(LL) 0.48 11-13 >574 240 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.63 | Vert(CT) -0.76 11-13 >363 180 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.84 | Horz(CT) -0.04 18 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-MS | | Weight: 229 lb | FT = 20% |

| | |
|--|--|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 5-6: 2x6 SP No.2, 6-7: 2x4 SP No.1 | TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 9-10: 2x8 SP No.2 | BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 5-11,6-8: 2x4 SP DSS, 2-14,7-8: 2x6 SP No.2 | WEBS 1 Row at midpt 8-16, 7-18 |
| OTHERS 2x4 SP No.3 | JOINTS 1 Brace at Jt(s): 15, 16, 17 |

REACTIONS. (size) 14=0-3-8, 18=0-3-8
 Max Horz 14=375(LC 12)
 Max Uplift 14=80(LC 12), 18=137(LC 12)
 Max Grav 14=1005(LC 1), 18=884(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1046/129, 3-5=-772/196, 5-6=-341/179, 2-14=-978/172, 7-8=-199/926
 BOT CHORD 13-14=-471/436, 11-13=-308/799, 8-11=-103/373
 WEBS 3-11=-503/298, 11-15=-106/559, 5-15=-92/516, 6-16=-766/243, 8-16=-831/263,
 2-13=0/631, 16-17=-268/85, 6-17=-128/398, 5-17=-398/129, 7-18=-885/220

- 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; cantilever left and right exposed; end vertical left and right exposed; 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 4x6 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) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 18. This connection is for uplift only and does not consider lateral forces.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



October 14, 2021

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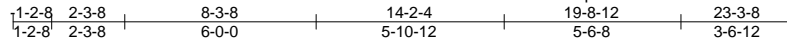
| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329899 |
| RG14-A01 Special Bonus | A6 | ROOF TRUSS | 3 | 1 | Job Reference (optional) | |

84 Components (Dunn),

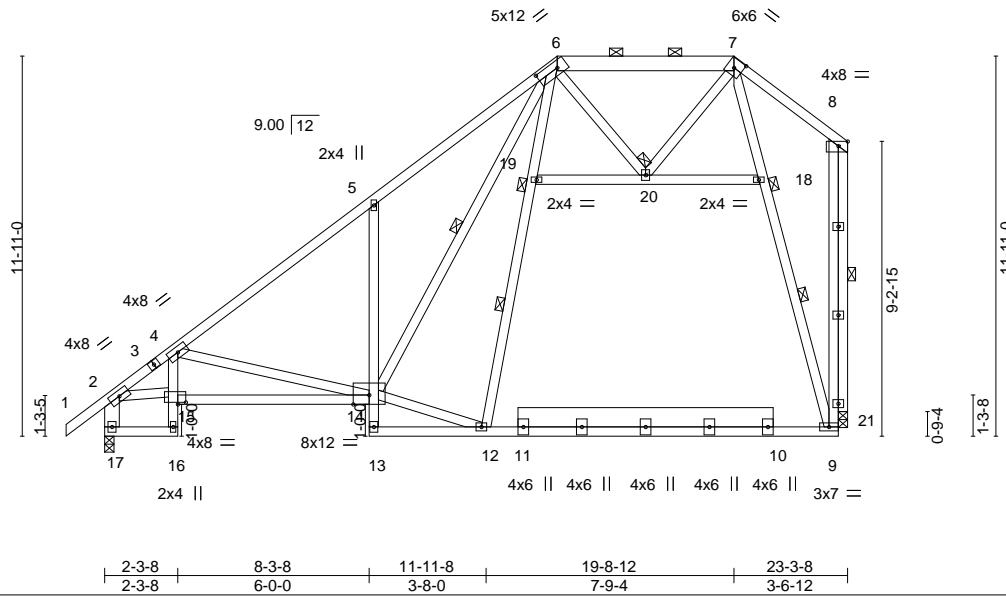
Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:17 2021 Page 1

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Scale = 1:72.2



| | |
|------------------------|---|
| Plate Offsets (X, Y)-- | [6:0-8-4,0-2-8], [7:0-3-4,0-3-4], [8:0-3-8,Edge], [15:0-3-0,0-0-12] |
|------------------------|---|

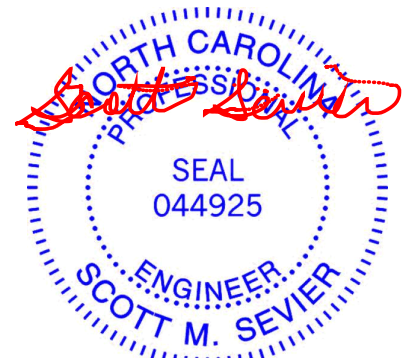
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|----------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.80 | in (loc) l/defl L/d | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.82 | Vert(LL) 0.43 12 >644 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.77 | Vert(CT) -0.67 12 >408 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(CT) -0.04 21 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 240 lb | FT = 20% |

| LUMBER- | BRACING- |
|--|--|
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 6-7: 2x6 SP No.2, 7-8: 2x4 SP No.1 | TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 4-16,5-13: 2x4 SP No.3, 10-11: 2x8 SP No.2 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 6-12,7-9: 2x4 SP DSS, 2-17: 2x6 SP No.2 | WEBS 1 Row at midpt 6-14, 12-19, 9-18, 8-21 |
| OTHERS 2x4 SP No.3 | JOINTS 1 Brace at Jt(s): 18, 19, 20 |

| REACTIONS. |
|--|
| (size) 17=0-3-8, 21=0-3-8 |
| Max Horz 17=374(LC 12) |
| Max Uplift 17=-81(LC 12), 21=-136(LC 12) |
| Max Grav 17=1005(LC 1), 21=891(LC 1) |

| FORCES. |
|--|
| (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD 2-4=-1407/323, 4-5=-1113/192, 5-6=-1151/411, 6-7=-333/179, 2-17=-965/220, 8-9=-193/919 |
| BOT CHORD 14-15=-695/1395, 5-14=-491/333, 9-12=-101/366 |
| WEBS 4-14=-598/399, 12-14=-47/362, 6-14=-468/979, 2-15=-400/1112, 7-18=-759/240, 9-18=-824/259, 18-20=-253/81, 7-20=-124/372, 6-20=-373/125, 8-21=-891/220 |

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; 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 3x4 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.
 - 7) Bearing at joint(s) 21 considers parallel to grain value using ANS/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 21. This connection is for uplift only and does not consider lateral forces.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



October 14, 2021

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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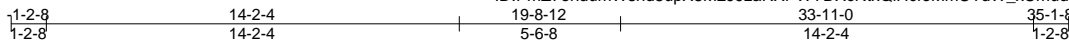
818 Soundside Road
 Edenton, NC 27932

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|------------------------|-------|--------------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329900 |
| RG14-A01 Special Bonus | AE | Piggyback Base Supported Gable | 1 | 1 | Job Reference (optional) | |

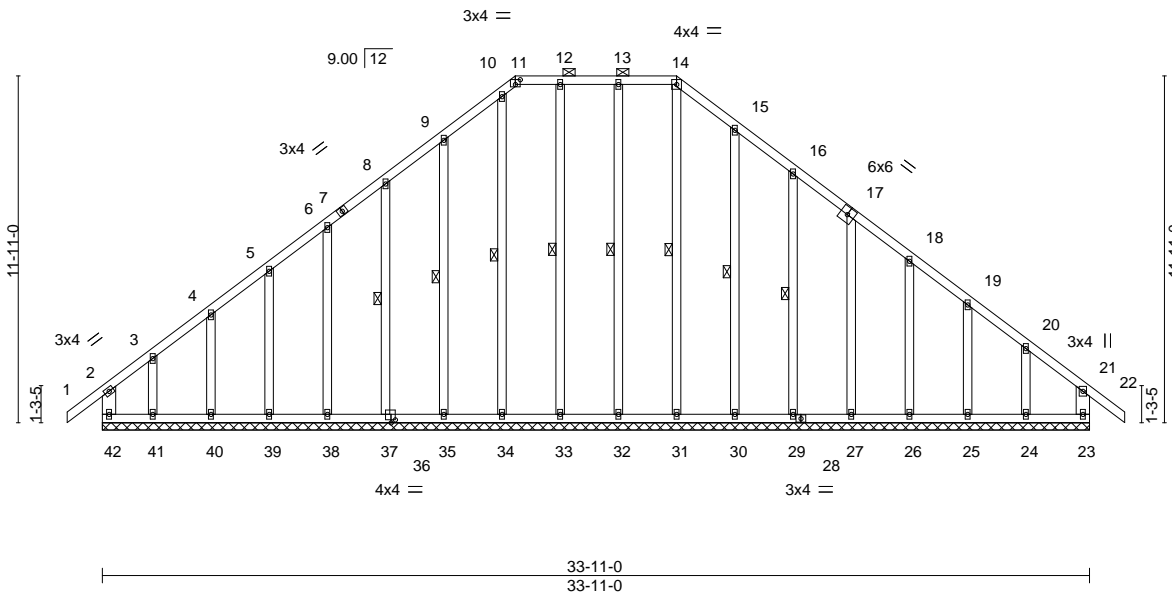
84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:19 2021 Page 1

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Scale = 1:79.2



| | | | | | |
|------------------------|-------------------------------------|-------------|----------------------------------|----------------|-------------|
| Plate Offsets (X, Y)-- | [11:0-2-0,0-2-0], [36:0-1-12,0-1-4] | | | | |
| 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 0.18 | Vert(LL) -0.01 22 n/r 120 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.15 | Vert(CT) -0.01 22 n/r 90 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.13 | Horz(CT) 0.01 23 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-R | | Weight: 294 lb | FT = 20% |

| | |
|---------------------------------------|--|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 11-14. |
| BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x6 SP No.2 | WEBS 1 Row at midpt 14-31, 13-32, 12-33, 10-34, 9-35, 8-37, 15-30, 16-29 |
| OTHERS 2x4 SP No.3 | |

REACTIONS. All bearings 33-11-0.
 (lb) - Max Horz 42=-327(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 32, 33, 35, 37, 38, 39, 40, 30, 29, 27, 26, 25 except 42=-229(LC 8), 23=-111(LC 9), 41=-219(LC 12), 24=-180(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 23, 31, 32, 33, 34, 35, 37, 38, 39, 40, 30, 29, 27, 26, 25, 24 except 42=308(LC 20), 41=286(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-256/253, 6-8=-197/253, 8-9=-253/303, 9-10=-323/385, 10-11=-257/303, 11-12=-273/334, 12-13=-273/334, 13-14=-273/334, 14-15=-325/388, 15-16=-269/323, 16-17=-210/252

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed on one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - N/A
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



October 14, 2021

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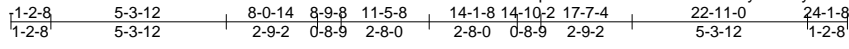
818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|------------------------|-------|------------|-----|-----|------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329901 |
| RG14-A01 Special Bonus | B | ATTIC | 6 | 1 | | |

84 Components (Dunn), Dunn, NC - 28334,

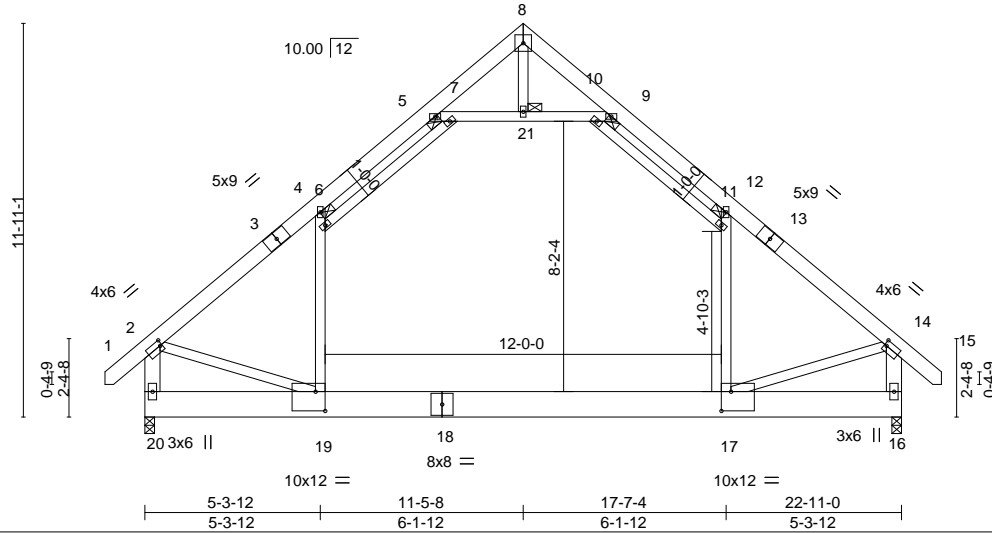
8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:21 2021 Page 1

ID: PmZ7endumWsnd8upX8M2J9zaRXr-SwKH12uByMYKuyW9cuf_4Mzy2QjePOGTsQ4bkHyTke



6x6 =

Scale = 1:69.8



| | |
|------------------------|---|
| Plate Offsets (X, Y)-- | [2:0-0-12,0-2-0], [14:0-0-12,0-2-0], [17:0-3-8,0-7-0], [19:0-3-8,0-7-0] |
|------------------------|---|

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.78 | in (loc) l/defl L/d | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.93 | Vert(LL) -0.28 17-19 >976 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.38 | Vert(CT) -0.42 17-19 >635 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(CT) 0.01 16 n/a n/a | | |
| | Code IRC2015/TPI2014 | | Attic -0.16 17-19 901 360 | Weight: 233 lb | FT = 20% |

| LUMBER- | BRACING- |
|--|---|
| TOP CHORD 2x6 SP DSS *Except* 6-7,10-11: 2x4 SP No.2 or 2x4 SPF No.2, 1-3,13-15: 2x6 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals. |
| BOT CHORD 2x10 SP No.2 | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except* 8-21,2-19,14-17: 2x4 SP No.3, 2-20,14-16: 2x6 SP No.2 | JOINTS 1 Brace at Jt(s): 21, 6, 7, 10, 11 |

REACTIONS. (size) 20=0-3-8, 16=0-3-8
 Max Horz 20=-326(LC 10)
 Max Grav 20=1424(LC 20), 16=1424(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1512/7, 4-5=-1072/163, 9-12=-1071/163, 12-14=-1512/7, 2-20=-1508/57, 14-16=-1509/58
 BOT CHORD 19-20=-291/461, 17-19=0/1040
 WEBS 11-17=0/675, 11-12=-11/618, 6-19=0/675, 4-6=-11/618, 5-7=-1295/195, 7-21=-1180/190, 10-21=-1180/190, 9-10=-1295/195, 2-19=0/911, 14-17=0/914

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 9-12, 5-7, 7-21, 10-21, 9-10; Wall dead load (5.0psf) on member(s).11-17, 11-12, 6-19, 4-6
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



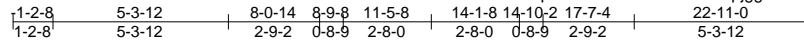
October 14, 2021

| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329902 |
| RG14-A01 Special Bonus | B1 | ATTIC | 4 | 1 | Job Reference (optional) | |

84 Components (Dunn), Dunn, NC - 28334,

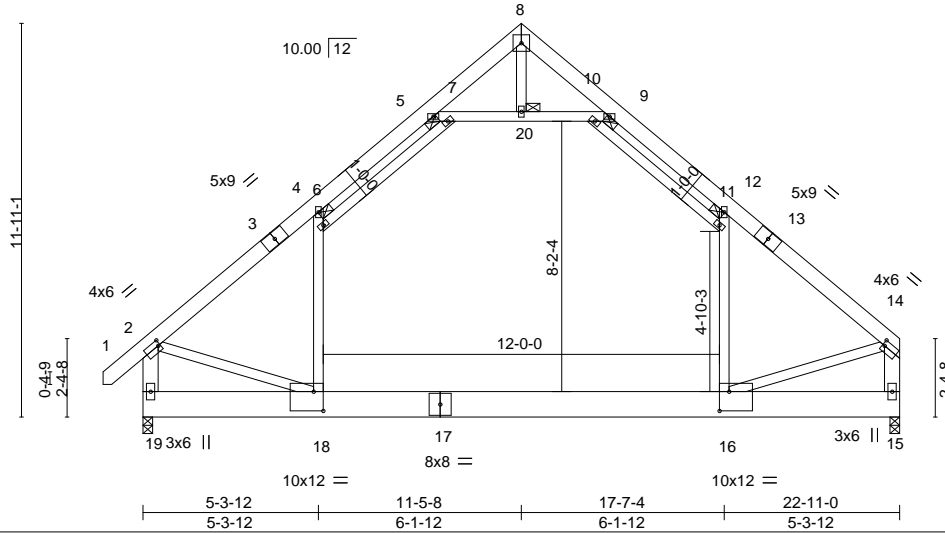
8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:22 2021 Page 1

ID:PmZ7endumWsnd8upX8M2J9zaRXr-w7ufEOvpjggBW64L9cADcZ66Fq3q8TTd54q8GjyTtkd



6x6 =

Scale = 1:69.8



| | |
|------------------------|---|
| Plate Offsets (X, Y)-- | [2:0-0-12,0-2-0], [14:0-0-12,0-2-0], [16:0-3-8,0-7-0], [18:0-3-8,0-7-0] |
|------------------------|---|

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.82 | in (loc) l/defl L/d | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.94 | Vert(LL) -0.28 16-18 >969 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.38 | Vert(CT) -0.43 16-18 >629 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(CT) 0.01 15 n/a n/a | | |
| | Code IRC2015/TPI2014 | | Attic -0.16 16-18 897 360 | Weight: 230 lb | FT = 20% |

| LUMBER- | BRACING- |
|--|---|
| TOP CHORD 2x6 SP DSS *Except* 6-7,10-11: 2x4 SP No.2 or 2x4 SPF No.2, 1-3,13-14: 2x6 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals. |
| BOT CHORD 2x10 SP No.2 | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except* 8-20,2-18,14-16: 2x4 SP No.3, 2-19,14-15: 2x6 SP No.2 | JOINTS 1 Brace at Jt(s): 20, 6, 7, 10, 11 |

| REACTIONS. |
|---|
| (size) 19=0-3-8, 15=0-3-8 Max Horz 19=317(LC 9) Max Grav 19=1426(LC 20), 15=1351(LC 20) |

| FORCES. |
|--|
| (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD 2-4=-1517/5, 4-5=-1074/163, 9-12=-1079/162, 12-14=-1500/0, 2-19=-1514/56, 14-15=-1454/2 |
| BOT CHORD 18-19=-301/448, 16-18=0/1030 |
| WEBS 11-16=-17/648, 11-12=-33/589, 6-18=0/680, 4-6=-8/622, 5-7=-1304/194, 7-20=-1190/188, 10-20=-1190/188, 9-10=-1308/193, 2-18=0/913, 14-16=0/962 |


- 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; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are 2x4 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.
 - 6) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-12, 5-7, 7-20, 10-20, 9-10; Wall dead load (5.0psf) on member(s).11-16, 11-12, 6-18, 4-6
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18
 - 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.



October 14, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY

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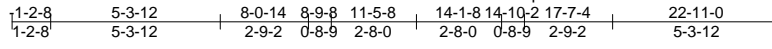
818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329903 |
| RG14-A01 Special Bonus | B1A | ATTIC | 1 | 1 | Job Reference (optional) | |

84 Components (Dunn), Dunn, NC - 28334,

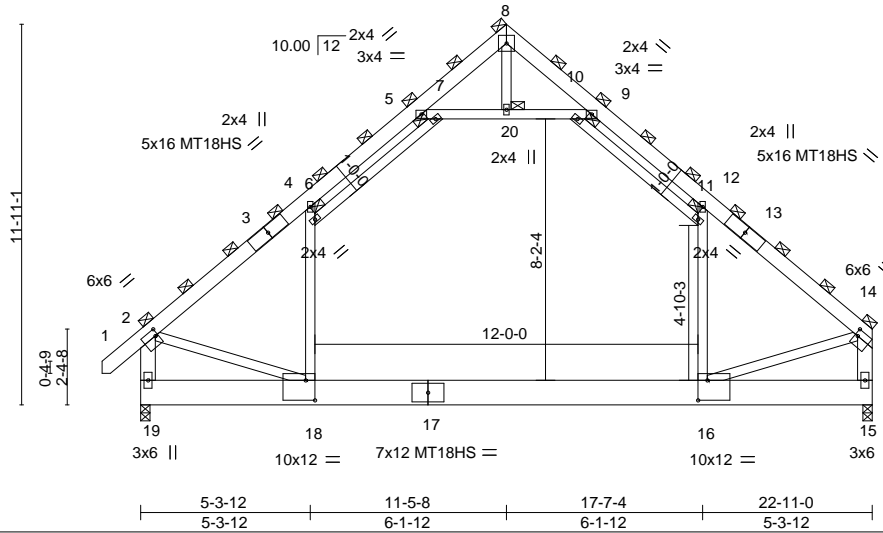
8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:24 2021 Page 1

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6x6 =

Scale = 1:72.2



| | |
|-----------------------|---|
| Plate Offsets (X,Y)-- | [2:0-1-0,0-2-8], [14:0-1-0,0-2-8], [16:0-3-8,0-7-8], [18:0-3-8,0-7-8] |
|-----------------------|---|

| LOADING (psf) | SPACING- | 3-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|----------|--------|------|----------------|----------|
| TCLL 20.0 | Plate Grip DOL | 1.15 | TC 0.81 | Vert(LL) | -0.36 | 16-18 | >755 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.67 | Vert(CT) | -0.55 | 16-18 | >486 | MT18HS | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | NO | WB 0.54 | Horz(CT) | 0.01 | 15 | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | Attic | -0.20 | 16-18 | 745 | | |
| | | | | | | | | Weight: 230 lb | FT = 20% |

| LUMBER- | BRACING- |
|--|--|
| TOP CHORD 2x6 SP DSS *Except* 6-7,10-11: 2x4 SP No.2 or 2x4 SPF No.2 | TOP CHORD 2-0-0 oc purlins (4-5-2 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0). |
| BOT CHORD 2x10 SP DSS | BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing. |
| WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except* 8-20,2-18,14-16: 2x4 SP No.3, 2-19,14-15: 2x6 SP No.2 | JOINTS 1 Brace at Jt(s): 8, 20, 2, 14, 6, 7, 10, 11 |

REACTIONS. (size) 19=0-3-8, 15=0-3-8
 Max Horz 19=476(LC 9)
 Max Grav 19=2140(LC 20), 15=2026(LC 20)

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

| | |
|-----------|---|
| TOP CHORD | 2-4=-2247/12, 4-5=-1570/241, 5-8=-149/294, 8-9=-151/291, 9-12=-1575/240, 12-14=-2225/9, 2-19=-2239/84, 14-15=-2150/3 |
| BOT CHORD | 18-19=-438/669, 16-18=0/1522 |
| WEBS | 11-16=-44/953, 11-12=-54/873, 6-18=-14/993, 4-6=-21/913, 5-7=-1886/285, 7-20=-1734/278, 10-20=-1734/278, 9-10=-1889/284, 2-18=0/1331, 14-16=0/1395 |

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 9-12, 5-7, 7-20, 10-20, 9-10; Wall dead load (5.0psf) on member(s).11-16, 11-12, 6-18, 4-6
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



October 14, 2021

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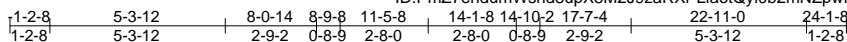
818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329904 |
| RG14-A01 Special Bonus | BE | GABLE | 1 | 1 | Job Reference (optional) | |

84 Components (Dunn), Dunn, NC - 28334,

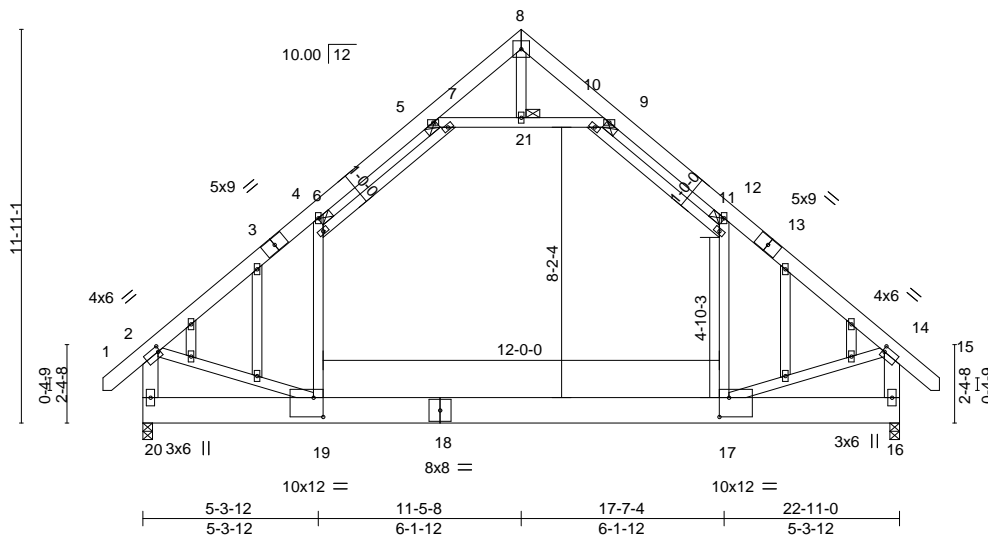
8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:25 2021 Page 1

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6x6 =

Scale = 1:69.8



| | |
|-----------------------|---|
| Plate Offsets (X,Y)-- | [2:0-0-12,0-2-0], [14:0-0-12,0-2-0], [17:0-3-8,0-7-0], [19:0-3-8,0-7-0] |
|-----------------------|---|

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.78 | in (loc) l/defl L/d | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.93 | Vert(LL) -0.28 17-19 >976 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.38 | Vert(CT) -0.42 17-19 >635 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(CT) 0.01 16 n/a n/a | | |
| | Code IRC2015/TPI2014 | | Attic -0.16 17-19 901 360 | Weight: 246 lb | FT = 20% |

LUMBER-
TOP CHORD 2x6 SP DSS *Except*
6-7,10-11: 2x4 SP No.2 or 2x4 SPF No.2, 1-3,13-15: 2x6 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
8-21,2-19,14-17: 2x4 SP No.3, 2-20,14-16: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 21, 6, 7, 10, 11

REACTIONS. (size) 20=0-3-8, 16=0-3-8
Max Horz 20=326(LC 10)
Max Grav 20=1424(LC 20), 16=1424(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1512/7, 4-5=-1072/163, 9-12=-1071/163, 12-14=-1512/7, 2-20=-1508/57,
14-16=-1509/58
BOT CHORD 19-20=-291/461, 17-19=0/1040
WEBS 11-17=0/675, 11-12=-11/618, 6-19=0/675, 4-6=-11/618, 5-7=-1295/195, 7-21=-1180/190,
10-21=-1180/190, 9-10=-1295/195, 2-19=0/911, 14-17=0/914

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 9-12, 5-7, 7-21, 10-21, 9-10; Wall dead load (5.0psf) on member(s).11-17, 11-12, 6-19, 4-6
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



October 14, 2021

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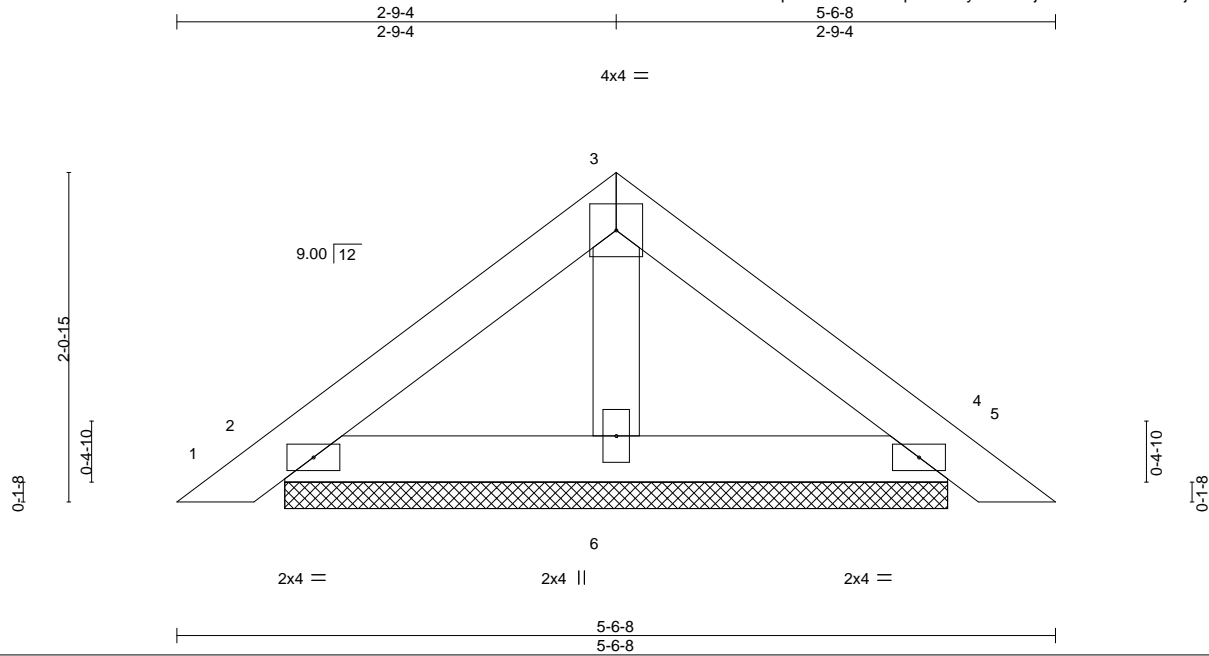
| | | | | | | |
|------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | RG14-A01 Special Bonus | 148329905 |
| RG14-A01 Special Bonus | PB2 | Piggyback | 26 | 1 | Job Reference (optional) | |

84 Components (Dunn),

Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Wed Oct 13 08:36:26 2021 Page 1

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Scale = 1:14.5

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|-----|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.07 | Vert(LL) | 0.00 | 5 | n/r | MT20 | 197/144 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.04 | Vert(CT) | 0.00 | 5 | n/r | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.02 | Horz(CT) | 0.00 | 4 | n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-P | | | | | Weight: 18 lb | FT = 20% |
| | Code IRC2015/TPI2014 | | | | | | | |

LUMBER-
 TOP CHORD 2x4 SP No.2 or 2x4 SPF 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 5-6-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=4-2-3, 4=4-2-3, 6=4-2-3
 Max Horz 2=-47(LC 10)
 Max Uplift 2=-31(LC 12), 4=-37(LC 13)
 Max Grav 2=122(LC 1), 4=122(LC 1), 6=143(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; cantilever left and right exposed ; end vertical left and right exposed;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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



October 14, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

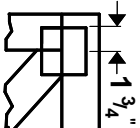
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

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/TFP 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



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/TFP 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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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. Rewriting pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.