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Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

RE: BASE+COP+1CG - DREAMFINDERS HOMES/JORDAN/ELEV:A&B

Trenco
818 Soundside Rd
Edenton, NC 27932

**Site Information:**

Project Customer: Project Name:
Lot/Block: Subdivision:
Address:
City: State:

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**

Name: License #:
Address:
City, County: State:

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

Design Code: IRC2015/TPI2014
Design Program: MiTek 20/20 8.6
Wind Code: ASCE 7-10
Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-10
Wind Speed: 150 mph
Roof Load: 40.0 psf
Floor Load: N/A psf

This package includes 28 individual, dated Truss Design Drawings and 0 Additional Drawings.

| No. | Seal# | Job ID# | Truss Name | Date | No. | Seal# | Job ID# | Truss Name | Date |
|---|---|---|---|---|---|---|---|---|---|
| 1 | I60132990 | BASE+COP+1CG | A01 | 8/15/23 | | I60133013 | BASE+COP+1CG | B02 | 8/15/23 |
| 2 | I60132991 | BASE+COP+1CG | A02 | 8/15/23 | 25 | I60133014 | BASE+COP+1CG | B01 | 8/15/23 |
| 3 | I60132992 | BASE+COP+1CG | A03 | 8/15/23 | 26 | I60133015 | BASE+COP+1CG | B02 | 8/15/23 |
| 4 | I60132993 | BASE+COP+1CG | A04 | 8/15/23 | 27 | I60133016 | BASE+COP+1CG | B03 | 8/15/23 |
| 5 | I60132994 | BASE+COP+1CG | A05 | 8/15/23 | 28 | I60133017 | BASE+COP+1CG | B04 | 8/15/23 |
| 6 | I60132995 | BASE+COP+1CG | A06 | 8/15/23 | | | | | |
| 7 | I60132996 | BASE+COP+1CG | A07 | 8/15/23 | | | | | |
| 8 | I60132997 | BASE+COP+1CG | A08 | 8/15/23 | | | | | |
| 9 | I60132998 | BASE+COP+1CG | B01 | 8/15/23 | | | | | |
| 10 | I60132999 | BASE+COP+1CG | B02 | 8/15/23 | | | | | |
| 11 | I60133000 | BASE+COP+1CG | B03 | 8/15/23 | | | | | |
| 12 | I60133001 | BASE+COP+1CG | C01 | 8/15/23 | | | | | |
| 13 | I60133002 | BASE+COP+1CG | C02 | 8/15/23 | | | | | |
| 14 | I60133003 | BASE+COP+1CG | C03 | 8/15/23 | | | | | |
| | I60133004 | BASE+COP+1CG | C04 | 8/15/23 | | | | | |
| 16 | I60133005 | BASE+COP+1CG | D01 | 8/15/23 | | | | | |
| 17 | I60133006 | BASE+COP+1CG | D02 | 8/15/23 | | | | | |
| 18 | I60133007 | BASE+COP+1CG | D03 | 8/15/23 | | | | | |
| 19 | I60133008 | BASE+COP+1CG | D04 | 8/15/23 | | | | | |
| 20 | I60133009 | BASE+COP+1CG | D05 | 8/15/23 | | | | | |
| 21 | I60133010 | BASE+COP+1CG | D06 | 8/15/23 | | | | | |
| 22 | I60133011 | BASE+COP+1CG | D07 | 8/15/23 | | | | | |
| 23 | I60133012 | BASE+COP+1CG | D08 | 8/15/23 | | | | | |

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Sumter,SC.

Truss Design Engineer's Name: Gilbert, Eric
My license renewal date for the state of North Carolina is December 31, 2023.


August 15,2023
Gilbert, Eric

**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 | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A01 | GABLE | 1 | 1 | I60132990 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:37 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

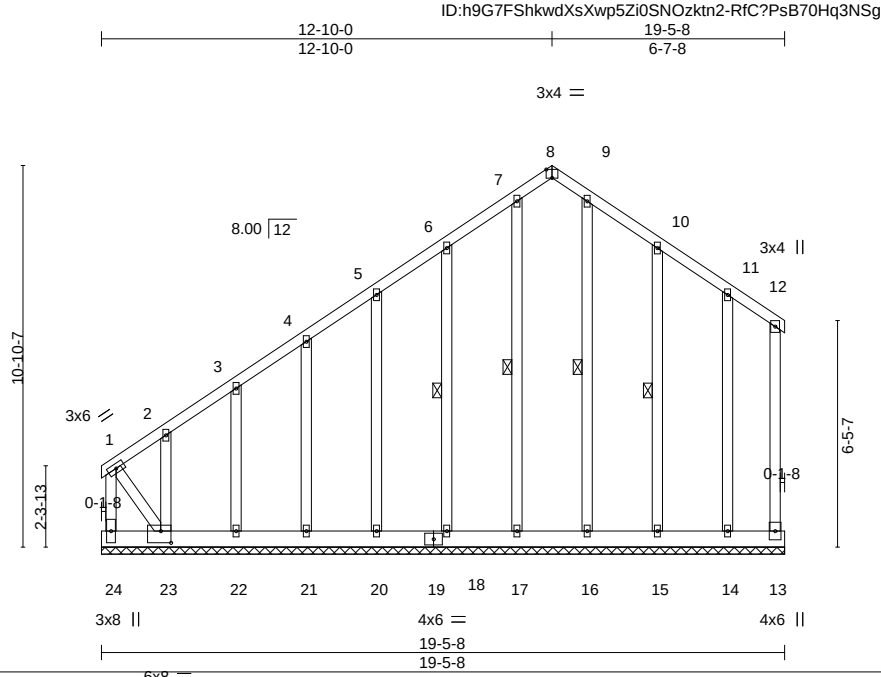


Plate Offsets (X,Y)-- [8:0-2-0,Edge], [23:0-3-8,0-4-0]

| 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 | 0.73 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| 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 | 0.23 | Horz(CT) | -0.00 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 187 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 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. |
| BOT CHORD | Rigid ceiling directly applied or 9-9-7 oc bracing. |
| WEBS | 1 Row at midpt 7-17, 6-18, 9-16, 10-15 |

**REACTIONS.** All bearings 19-5-8.
(lb) - Max Horz 24=605(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13, 16 except 24=-705(LC 10), 17=-166(LC 11), 18=-199(LC 12), 20=-146(LC 12), 21=-153(LC 12), 22=-156(LC 12), 23=-698(LC 9), 15=-201(LC 13), 14=-118(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13, 18, 20, 21, 22, 16, 15, 14 except 24=904(LC 9), 17=273(LC 8), 23=672(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-878/698, 1-2=-505/404, 2-3=-467/380, 3-4=-435/369, 4-5=-405/362, 5-6=-371/350, 6-7=-429/487, 7-8=-340/381, 8-9=-340/381, 9-10=-430/487, 10-11=-301/337, 11-12=-265/292
BOT CHORD 23-24=-576/525
WEBS 6-18=-261/240, 10-15=-272/250, 1-23=-660/772

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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 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) 13, 16 except (jt=lb) 24=705, 17=166, 18=199, 20=146, 21=153, 22=156, 23=698, 15=201, 14=118.


August 15,2023




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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A02 | COMMON | 5 | 1 | I60132991 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:38 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

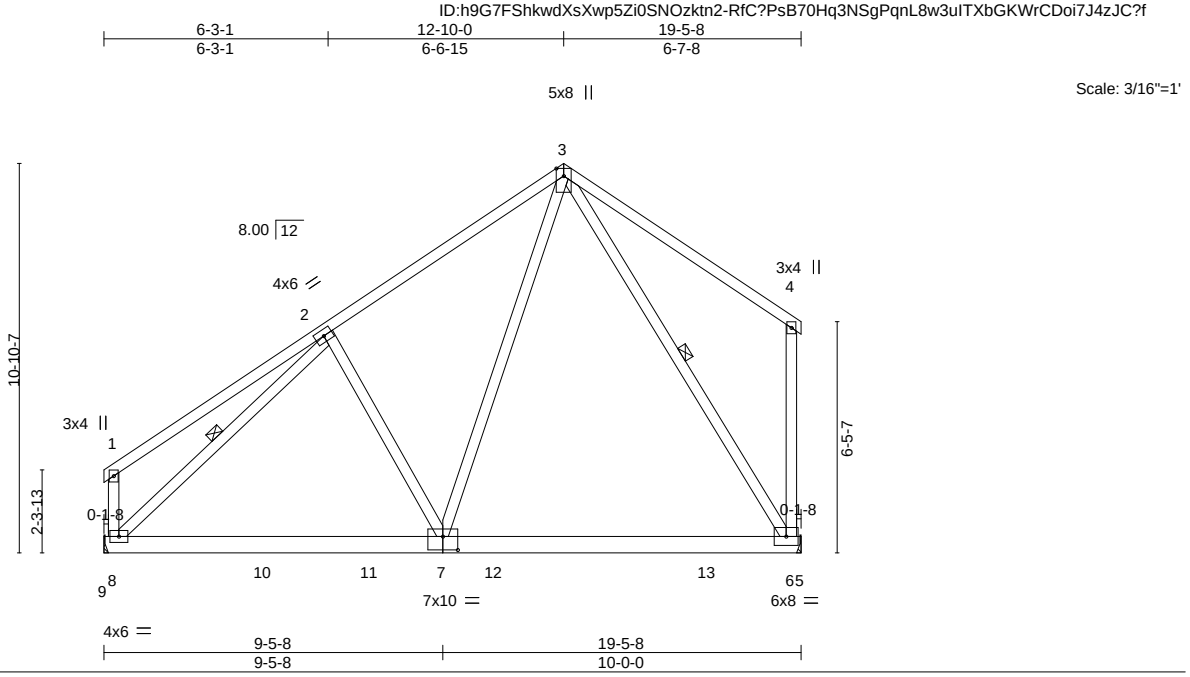


Plate Offsets (X,Y)-- [7:0-5-0,0-4-8]

| 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 | 0.49 | Vert(LL) | -0.11 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.46 | Vert(CT) | -0.18 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.71 | Horz(CT) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.03 | 7 | >999 | 240 | Weight: 147 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
1-8,4-6: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 3-6

**REACTIONS.** (size) 8=Mechanical, 6=Mechanical
Max Horz 8=414(LC 12)
Max Uplift 8=-275(LC 12), 6=-387(LC 12)
Max Grav 8=844(LC 19), 6=902(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-278/217, 2-3=-836/474, 1-8=-327/248, 4-6=-315/285
BOT CHORD 7-8=-532/791, 6-7=-196/422
WEBS 2-7=-432/498, 3-7=-306/706, 2-8=-724/187, 3-6=-768/361

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;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) 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) 8=275, 6=387.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A03 | Common | 3 | 1 | I60132992 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:39 2023 Page 1
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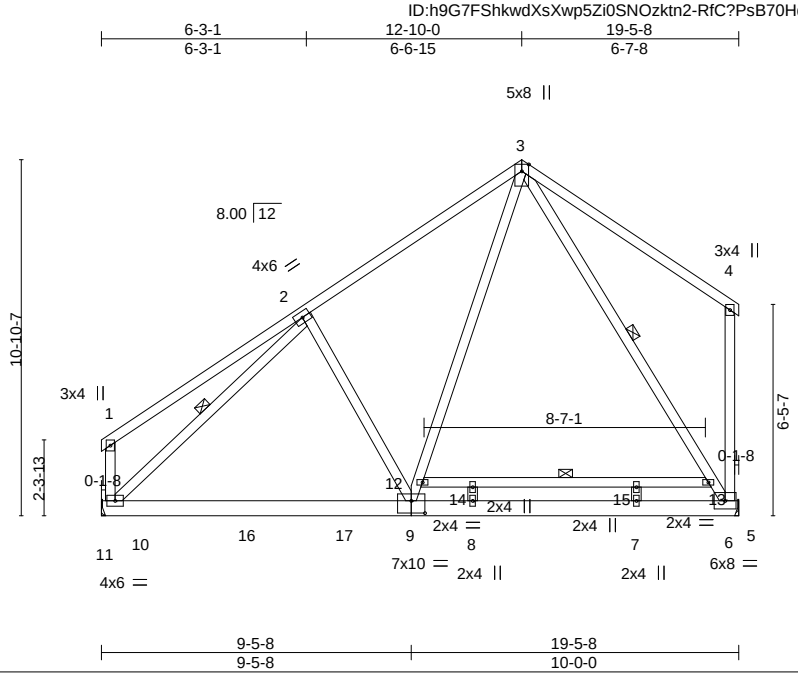


Plate Offsets (X,Y)-- [9:0-5-0,0-4-8]

| 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 | 0.48 | Vert(LL) | -0.06 | 9-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.48 | Vert(CT) | -0.18 | 7-8 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.44 | Horz(CT) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.03 | 9 | >999 | 240 | Weight: 161 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
1-10,4-6,12-13: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 12-13, 3-6

**REACTIONS.** (size) 10=Mechanical, 6=Mechanical
Max Horz 10=414(LC 12)
Max Uplift 10=-218(LC 12), 6=-244(LC 12)
Max Grav 10=850(LC 19), 6=918(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-266/229, 2-3=-927/383, 1-10=-321/255, 4-6=-321/279
BOT CHORD 9-10=-467/826, 8-9=-153/460, 7-8=-153/460, 6-7=-153/460
WEBS 2-9=-410/520, 9-12=-201/700, 3-12=-191/725, 2-10=-750/79, 3-13=-773/298, 6-13=-823/272

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 13-10-0 from left end, supported at two points, 5-0-0 apart.
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) 10=218, 6=244.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A04 | Common | 1 | 1 | I60132993 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:40 2023 Page 1
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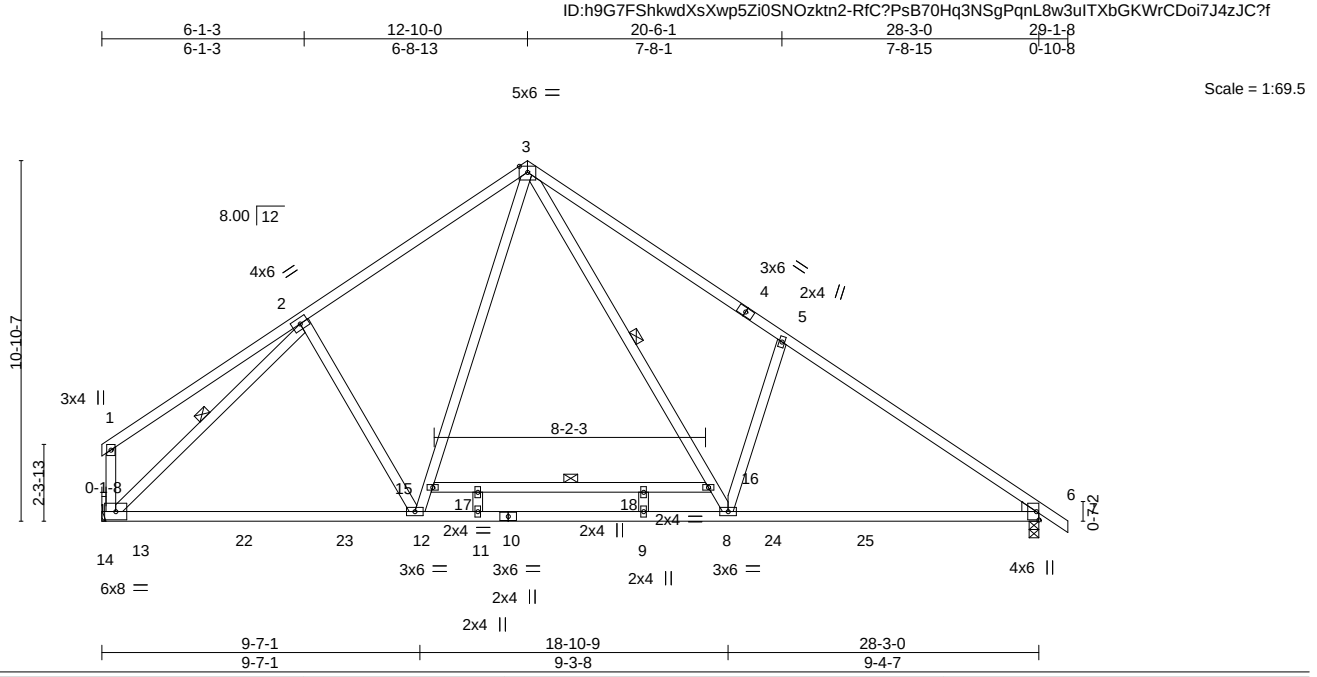


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.72 | Vert(LL) | -0.18 | 12-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.86 | Vert(CT) | -0.34 | 9-11 | >990 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.54 | Horz(CT) | 0.04 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-AS | | Wind(LL) | 0.16 | 8-21 | >999 | 240 | Weight: 176 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-13,15-16: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-13, 3-8, 15-16

**REACTIONS.** (size) 13=Mechanical, 6=0-3-8
Max Horz 13=-464(LC 8)
Max Uplift 13=-348(LC 12), 6=-433(LC 13)
Max Grav 13=1237(LC 19), 6=1315(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-278/188, 2-3=-1604/661, 3-5=-2085/881, 5-6=-1965/661, 1-13=-322/225
BOT CHORD 12-13=-349/1250, 11-12=-42/1011, 9-11=-42/1011, 8-9=-42/1011, 6-8=-338/1500
WEBS 2-12=-241/469, 12-15=-216/515, 3-15=-172/551, 5-8=-702/651, 2-13=-1412/421, 3-16=-503/1125, 8-16=-550/1060

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 13-10-4 from left end, supported at two points, 5-0-0 apart.
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=348, 6=433.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A05 | ROOF SPECIAL | 2 | 1 | I60132994 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:41 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

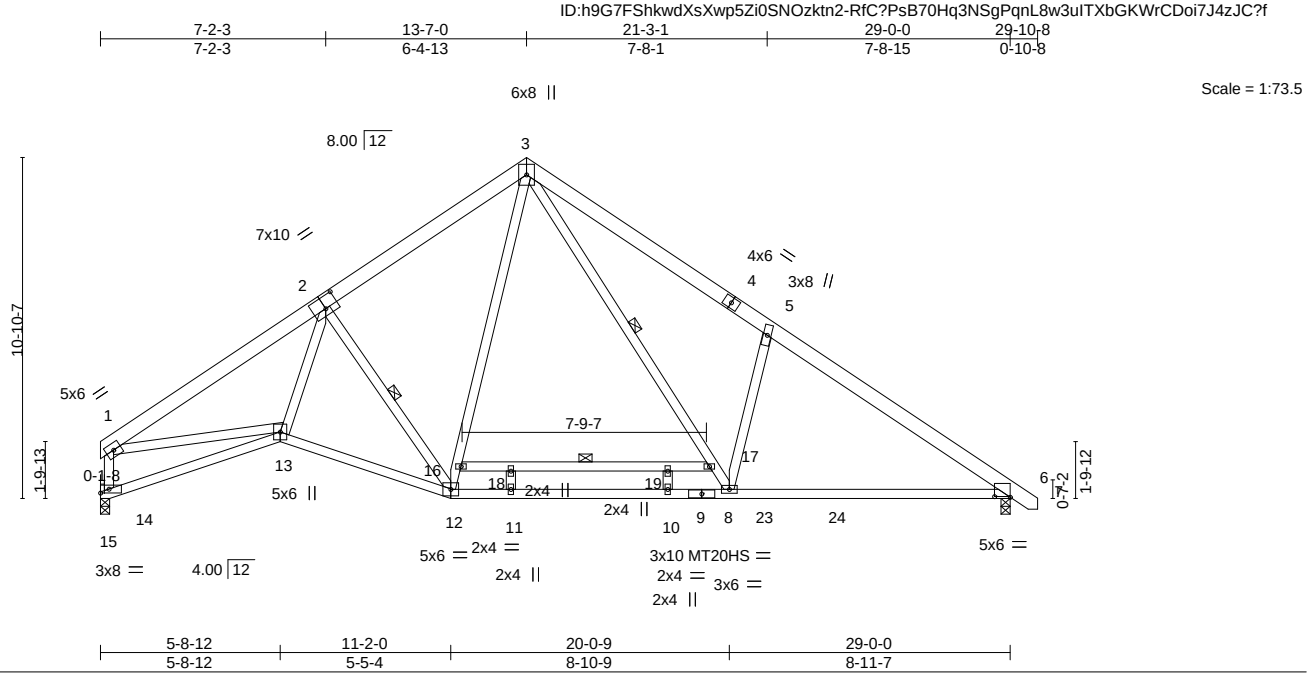


Plate Offsets (X,Y)-- [2:0-5-0,0-4-8], [6:0-6-0,0-0-4]

| LOADING (psf) | | SPACING- | 2-6-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.64 | Vert(LL) | -0.13 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.85 | Vert(CT) | -0.43 | 10-11 | >811 | 240 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.78 | Horz(CT) | 0.09 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Wind(LL) | 0.13 | 8-22 | >999 | 240 | Weight: 210 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-9: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
1-14,16-17: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-5 oc bracing.
WEBS 1 Row at midpt 2-12, 3-8, 16-17

**REACTIONS.** (size) 14=0-3-8, 6=0-3-8
Max Horz 14=-580(LC 8)
Max Uplift 14=-497(LC 12), 6=-564(LC 13)
Max Grav 14=1532(LC 1), 6=1616(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2840/927, 2-3=-2050/925, 3-5=-2779/1234, 5-6=-2555/896, 1-14=-1741/668
BOT CHORD 13-14=-540/696, 12-13=-732/2231, 11-12=-104/1268, 10-11=-104/1268, 8-10=-104/1268, 6-8=-497/1964
WEBS 2-13=-292/1125, 2-12=-1306/886, 12-16=-366/673, 3-16=-306/764, 1-13=-517/2024, 5-8=-938/860, 3-17=-706/1501, 8-17=-758/1416

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 15-7-0 from left end, supported at two points, 5-0-0 apart.
4) All plates are MT20 plates 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) 14 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) except (jt=lb) 14=497, 6=564.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A06 | Roof Special | 3 | 1 | I60132995 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:43 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

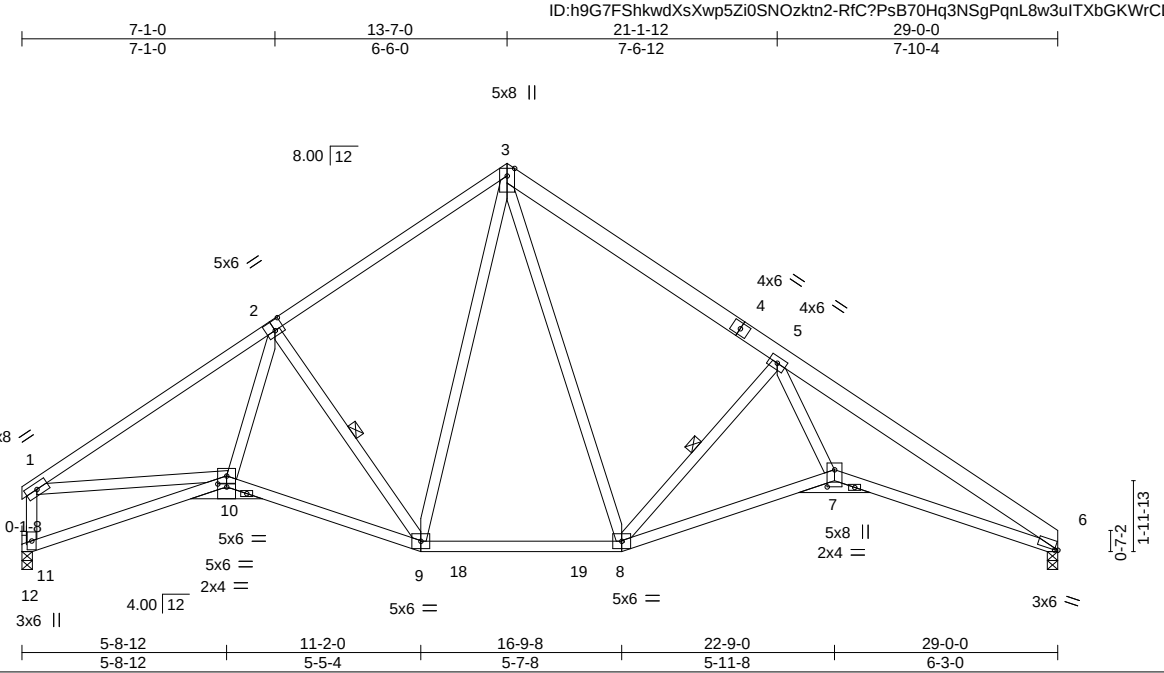


Plate Offsets (X,Y)-- [2:0-3-0,0-3-4], [6:0-1-1,0-0-5], [7:0-5-12,0-2-8], [10:0-3-0,0-1-0]

| 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 | 0.58 | Vert(LL) | -0.13 | 8-9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.75 | Vert(CT) | -0.27 | 7-8 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.96 | Horz(CT) | 0.18 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.15 | 7-8 | >999 | 240 | Weight: 193 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 *Except* |
| | 3-4,4-6: 2x6 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* |
| | 1-11: 2x4 SP No.2 |
| OTHERS | 2x4 SP No.2 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied. |
| WEBS | 1 Row at midpt 2-9, 5-8 |

**REACTIONS.** (size) 6=0-3-8, 11=0-3-8
Max Horz 11=-454(LC 8)
Max Uplift 6=-500(LC 13), 11=-472(LC 12)
Max Grav 6=1156(LC 20), 11=1152(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2073/884, 2-3=-1510/850, 3-5=-1625/897, 5-6=-3339/1400, 1-11=-1325/628
BOT CHORD 10-11=-476/576, 9-10=-697/1695, 8-9=-186/930, 7-8=-790/1966, 6-7=-1042/2745
WEBS 2-10=-270/845, 2-9=-1002/708, 3-9=-314/501, 3-8=-423/748, 5-8=-1552/864, 5-7=-559/1745, 1-10=-472/1400

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed;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) Bearing at joint(s) 6, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=500, 11=472.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A07 | ROOF SPECIAL | 3 | 1 | I60132996 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:44 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

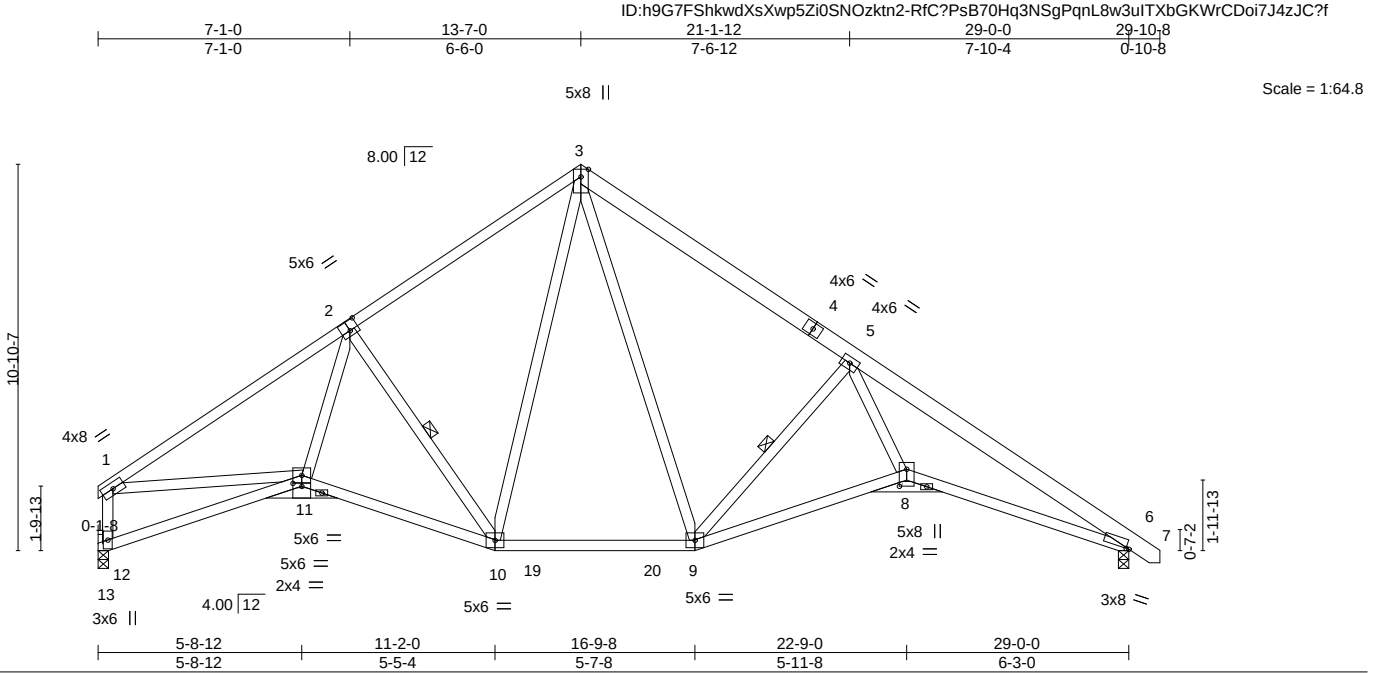


Plate Offsets (X,Y)-- [2:0-3-0,0-3-4], [6:0-1-0,0-0-0], [8:0-5-12,0-2-8], [11:0-3-0,0-1-0]

| 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 | 0.58 | Vert(LL) | -0.13 | 9-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.75 | Vert(CT) | -0.27 | 8-9 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.96 | Horz(CT) | 0.18 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.15 | 8-9 | >999 | 240 | Weight: 196 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 *Except* |
| | 3-4,4-7: 2x6 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* |
| | 1-12: 2x4 SP No.2 |
| OTHERS | 2x4 SP No.2 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied. |
| WEBS | 1 Row at midpt 2-10, 5-9 |

**REACTIONS.** (size) 6=0-3-8, 12=0-3-8
Max Horz 12=-468(LC 8)
Max Uplift 6=-535(LC 13), 12=-472(LC 12)
Max Grav 6=1201(LC 20), 12=1151(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2087/866, 2-3=-1511/850, 3-5=-1625/896, 5-6=-3363/1368, 1-12=-1333/619
BOT CHORD 11-12=-467/591, 10-11=-677/1709, 9-10=-171/941, 8-9=-749/1998, 6-8=-986/2789
WEBS 2-11=-259/853, 2-10=-1007/701, 3-10=-314/501, 3-9=-422/748, 5-9=-1566/846, 5-8=-525/1771, 1-11=-458/1411

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed;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) Bearing at joint(s) 6, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=535, 12=472.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | A08 | Roof Special Supported Gable | 1 | 1 | I60132997 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:45 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

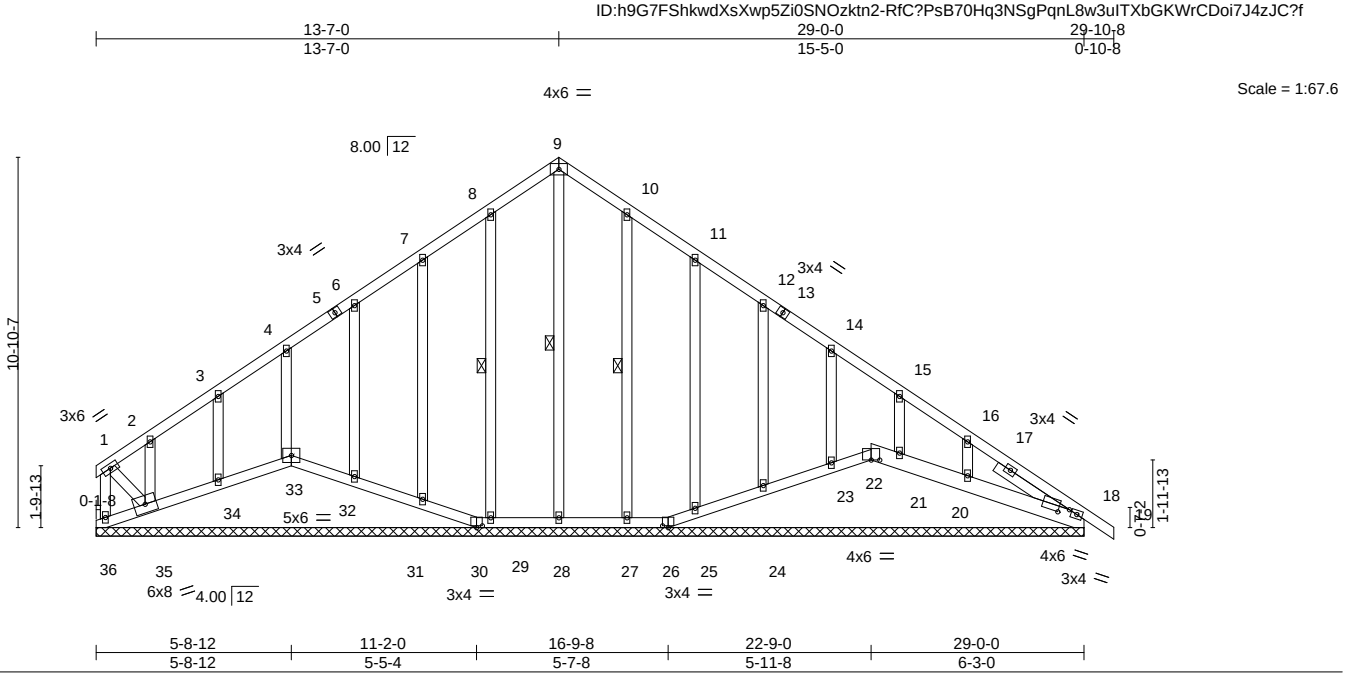


Plate Offsets (X,Y)-- [18:0-3-10,0-2-0], [22:0-3-0,0-0-0], [26:0-2-0,0-0-11], [30:0-2-0,0-0-11]

| 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 | 0.17 | Vert(LL) | 0.00 | 18 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.10 | Vert(CT) | 0.00 | 19 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.23 | Horz(CT) | 0.02 | 18 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 214 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 18-22: 2x6 SP No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |
| SLIDER | Right 2x4 SP No.2 2-6-0 |

**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: 8-7-1 oc bracing: 35-36 6-0-0 oc bracing: 20-21. |
| WEBS | 1 Row at midpt 9-28, 8-29, 10-27 |

**REACTIONS.** All bearings 29-0-0.
(lb) - Max Horz 36=-517(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 22, 18, 28, 21 except 36=-563(LC 10), 33=-133(LC 9), 30=-119(LC 13), 26=-120(LC 13), 29=-148(LC 12), 31=-161(LC 12), 32=-149(LC 12), 34=-154(LC 12), 35=-508(LC 12), 27=-141(LC 13), 25=-164(LC 13), 24=-148(LC 13), 23=-160(LC 13), 20=-271(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 26, 22, 18, 29, 31, 32, 34, 27, 25, 24, 23, 21 except 36=631(LC 9), 33=285(LC 19), 28=373(LC 13), 35=505(LC 10), 20=322(LC 20)

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

| | |
|---|---|
| TOP CHORD | 1-36=-476/406, 1-2=-350/298, 2-3=-291/267, 6-7=-206/301, 7-8=-298/369, 8-9=-378/444, 9-10=-378/444, 10-11=-298/350, 16-18=-340/220 |
| BOT CHORD | 35-36=-479/521, 34-35=-253/394, 33-34=-255/393, 32-33=-263/397, 31-32=-263/398, 30-31=-260/398, 29-30=-243/373, 28-29=-243/373, 27-28=-243/373, 26-27=-243/373, 25-26=-257/397, 24-25=-263/398, 23-24=-263/397, 22-23=-261/394, 21-22=-250/382, 20-21=-269/399, 18-20=-258/394 |
| WEBS | 9-28=-362/248, 16-20=-315/283, 1-35=-394/442 |

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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 requires continuous bottom chord bearing.
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.


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Continued on page 2



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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) 22, 18, 28, 21 except (jt=lb) 36=563, 33=133, 30=119, 26=120, 29=148, 31=161, 32=149, 34=154, 35=508, 27=141, 25=164, 24=148, 23=160, 20=271.

10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 33, 22, 31, 32, 34, 35, 25, 24, 23, 21, 20.

| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | B01 | ATTIC | 1 | 1 | I60132998 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:47 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

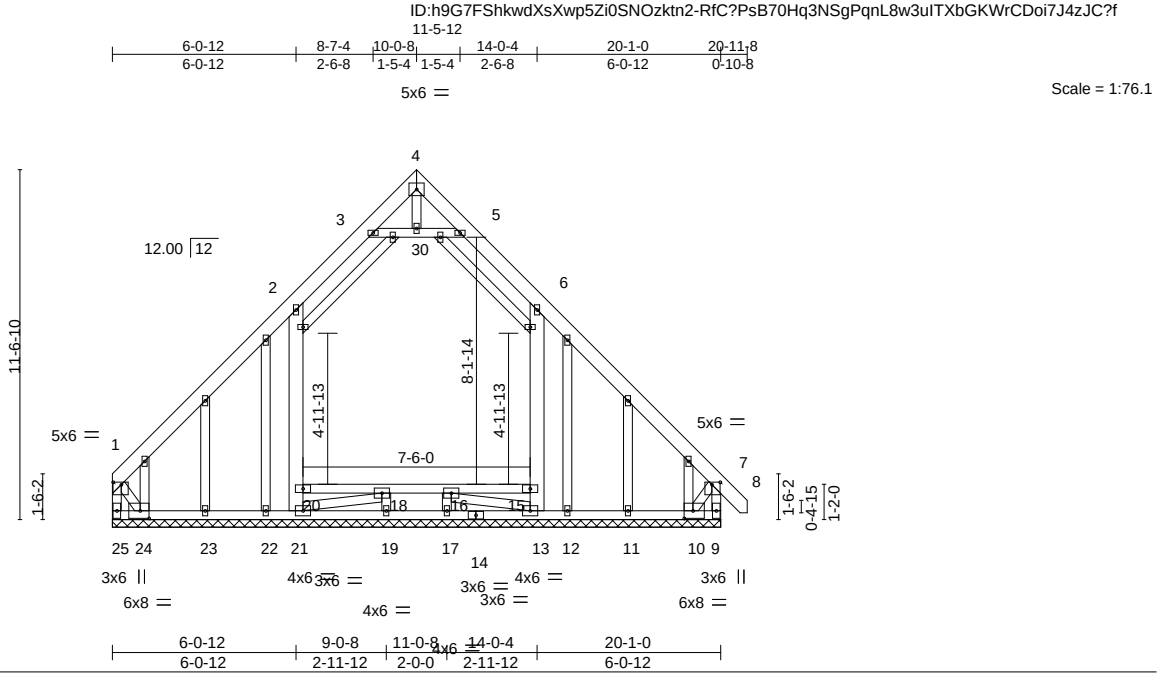


Plate Offsets (X,Y)-- [1:0-3-4,0-1-0], [7:0-3-4,0-1-0], [10:0-3-8,0-3-0], [24:0-3-8,0-3-0]

| 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 | 0.69 | Vert(LL) | 0.01 | 8 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.14 | Vert(CT) | 0.01 | 8 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.37 | Horz(CT) | 0.01 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 213 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 *Except* 26-27,28-29: 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 6-13,2-21: 2x6 SP No.2, 3-5: 2x4 SP No.2 |
| 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 8-1-9 oc bracing. |

**REACTIONS.** All bearings 20-1-0.
(lb) - Max Horz 25=-542(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 25=-441(LC 10), 13=-592(LC 13), 21=-596(LC 12), 9=-381(LC 11), 24=-896(LC 12), 10=-996(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 22, 23, 12, 11 except 25=1081(LC 12), 13=773(LC 21), 21=759(LC 20), 9=1108(LC 13), 19=317(LC 18), 17=317(LC 18), 24=462(LC 10), 10=470(LC 11)

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

| | |
|---|---|
| TOP CHORD | 1-2=-474/232, 2-3=-277/142, 5-6=-273/138, 6-7=-444/223, 1-25=-1077/579, 7-9=-1112/589 |
| BOT CHORD | 24-25=-532/572, 23-24=-369/534, 22-23=-369/534, 21-22=-369/534, 19-21=-186/274, 17-19=-186/274, 13-17=-186/274, 12-13=-368/534, 11-12=-368/534, 10-11=-368/534, 16-18=-187/266 |
| WEBS | 13-15=-783/562, 6-15=-759/633, 20-21=-795/597, 2-20=-770/668, 7-10=-896/1227, 1-24=-781/1098 |

**NOTES-** (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-30, 5-30; Wall dead load (5.0psf) on member(s).6-15, 2-20
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 441 lb uplift at joint 25, 592 lb uplift at joint 13, 596 lb uplift at joint 21, 381 lb uplift at joint 9, 896 lb uplift at joint 24 and 996 lb uplift at joint 10.
9) Attic room checked for L/360 deflection.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | B02 | ATTIC | 3 | 1 | I60132999 |
| | | | | | Job Reference (optional) |

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ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

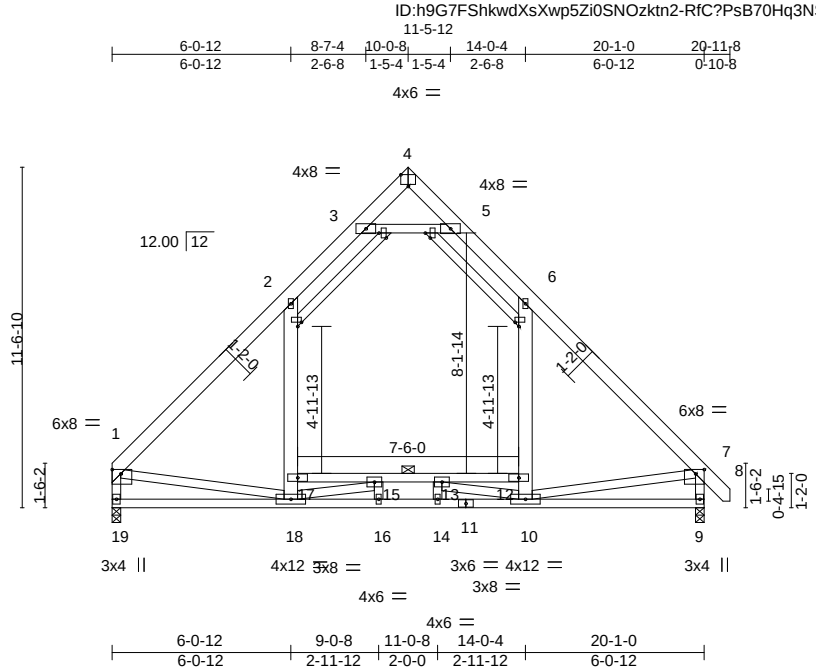


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-1-8,0-1-12]

| 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 | 0.79 | Vert(LL) | 0.20 | 18 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.56 | Vert(CT) | -0.21 | 15-17 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.42 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Attic | -0.06 | 12-17 | 1662 | 360 | Weight: 191 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-10,2-18: 2x6 SP No.2, 3-5,1-19,7-9: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 12-17

**REACTIONS.** (size) 19=0-3-8, 9=0-3-8
Max Horz 19=511(LC 11)
Max Uplift 19=-161(LC 13), 9=-175(LC 12)
Max Grav 19=1194(LC 21), 9=1220(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1315/234, 2-3=-830/378, 3-4=-189/445, 4-5=-186/448, 5-6=-826/375, 6-7=-1313/245, 1-19=-1143/281, 7-9=-1172/358
BOT CHORD 18-19=-544/723, 16-18=0/1842, 14-16=0/1842, 10-14=0/1842, 9-10=-252/447, 15-17=-533/493, 13-15=-1073/0, 12-13=-558/523
WEBS 10-12=-18/356, 6-12=0/550, 17-18=-26/354, 2-17=0/543, 3-5=-1682/800, 1-18=-64/702, 7-10=-104/718, 15-18=-1286/317, 10-13=-1277/286

**NOTES-** (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical 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). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-12, 2-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17, 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 19 and 175 lb uplift at joint 9.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B I60133000 |
|---|---|---|---|---|---|
| BASE+COP+1CG | B03 | ATTIC | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:50 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

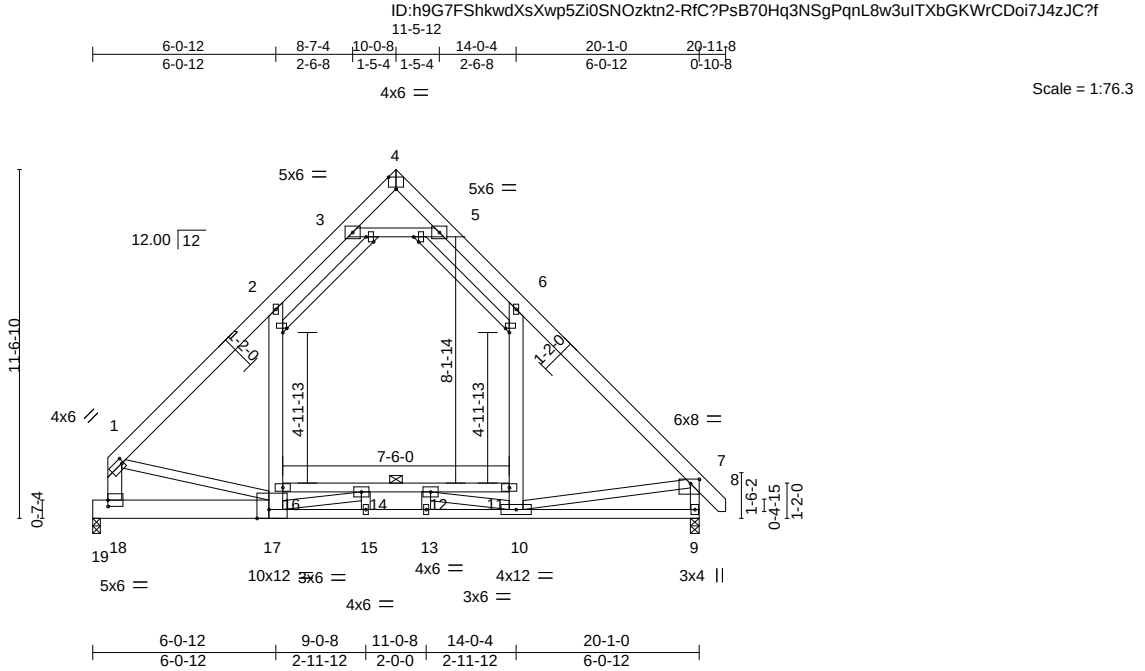


Plate Offsets (X,Y)-- [1:0-0-12,0-2-0], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [17:0-4-12,Edge], [18:0-0-0,0-2-8], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-1-8,0-1-12]

| 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 | 0.78 | Vert(LL) | 0.19 | 10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.58 | Vert(CT) | -0.21 | 11-12 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.39 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Attic | -0.06 | 11-16 | 1666 | 360 | Weight: 199 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
17-19: 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
6-10,2-17,1-18: 2x6 SP No.2, 3-5,7-9: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 11-16

**REACTIONS.** (size) 19=0-3-0, 9=0-3-8
Max Horz 19=-507(LC 8)
Max Uplift 19=-144(LC 13), 9=-170(LC 12)
Max Grav 19=1169(LC 21), 9=1217(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1335/262, 2-3=-821/371, 3-4=-171/430, 4-5=-178/437, 5-6=-829/377, 6-7=-1308/242, 1-18=-1200/258, 7-9=-1168/355
BOT CHORD 18-19=-499/507, 17-18=-469/837, 15-17=0/1850, 13-15=0/1850, 10-13=0/1850, 9-10=-250/447, 14-16=-435/475, 12-14=-1056/0, 11-12=-522/485
WEBS 10-11=-14/348, 6-11=0/547, 16-17=-124/475, 2-16=0/579, 3-5=-1649/774, 1-17=-98/526, 7-10=-95/712, 14-17=-1307/212, 10-12=-1255/282

**NOTES-** (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical 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). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-11, 2-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 12-14, 11-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 19 and 170 lb uplift at joint 9.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | C01 | GABLE | 1 | 1 | I60133001 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:51 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

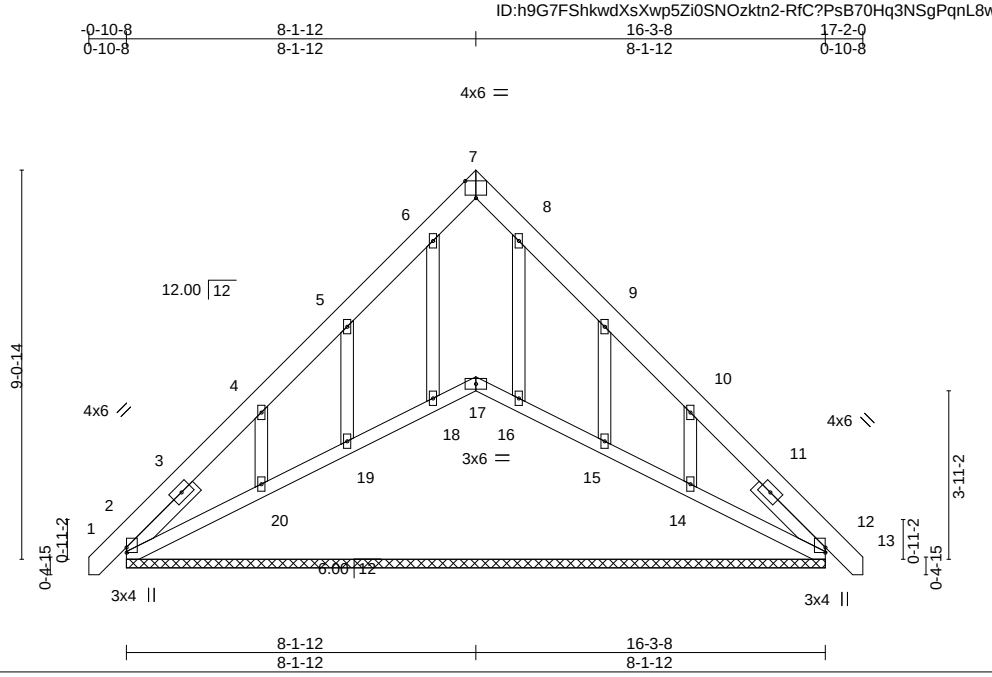


Plate Offsets (X,Y)-- [2:Edge,0-0-0], [7:0-3-0,Edge], [12:Edge,0-0-0]

| 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) | 0.00 | 12 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.10 | Vert(CT) | 0.00 | 13 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.14 | Horz(CT) | 0.01 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 121 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-3-0, Right 2x4 SP No.3 2-3-0

**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 16-3-8.
(lb) - Max Horz 2=-396(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12, 18 except 2=-279(LC 8), 17=-143(LC 11), 19=-219(LC 12), 20=-445(LC 12), 15=-238(LC 13), 14=-424(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 18, 19, 16, 15 except 2=362(LC 20), 17=333(LC 13), 20=360(LC 19), 14=337(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-403/322, 5-6=-281/330, 8-9=-282/297, 10-12=-311/191
BOT CHORD 2-20=-234/376, 19-20=-245/376, 18-19=-242/378, 17-18=-241/371, 16-17=-240/371, 15-16=-242/377, 14-15=-245/376, 12-14=-235/371
WEBS 5-19=-270/261, 4-20=-436/462, 9-15=-271/264, 10-14=-438/442

**NOTES-** (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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 requires continuous bottom chord bearing.
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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 18 except (jt=lb) 2=279, 17=143, 19=219, 20=445, 15=238, 14=424.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 17, 18, 19, 20, 16, 15, 14.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | C02 | SCISSORS | 1 | 1 | I60133002 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:53 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

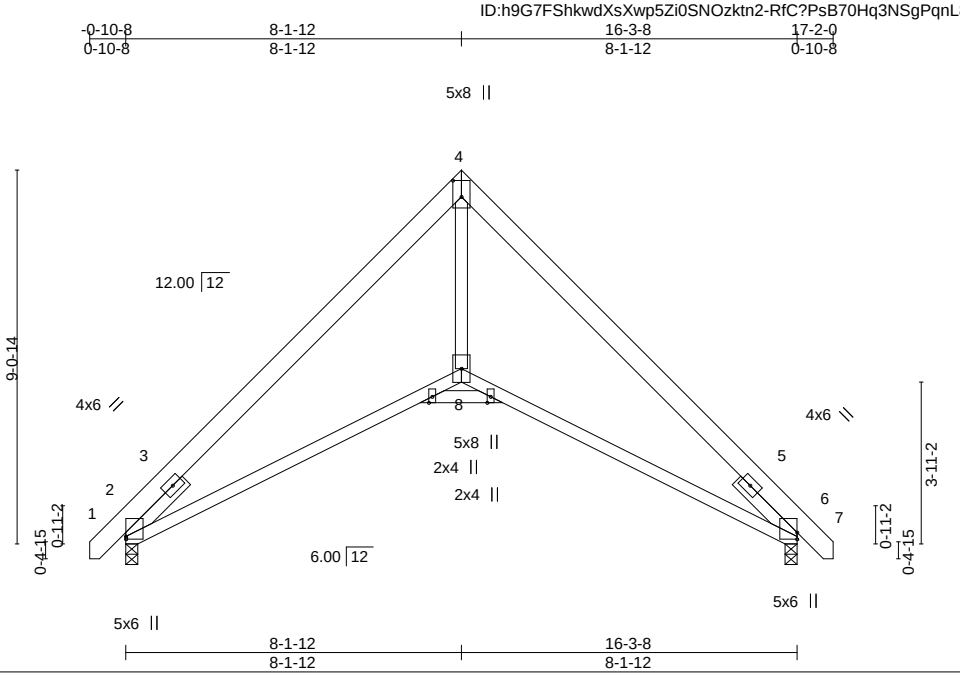


Plate Offsets (X,Y)-- [2:Edge,0-0-0], [4:0-4-12,0-2-8], [6:Edge,0-0-0]

| 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 | 0.50 | Vert(LL) | 0.16 | 8-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.47 | Vert(CT) | -0.21 | 8-13 | >953 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.33 | Horz(CT) | 0.15 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 103 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-0-0, Right 2x4 SP No.3 2-0-0

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-396(LC 10)
Max Uplift 2=-275(LC 12), 6=-275(LC 13)
Max Grav 2=697(LC 1), 6=697(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1031/301, 4-6=-1197/455
BOT CHORD 2-8=-204/979, 6-8=-188/971
WEBS 4-8=-92/991

**NOTES-** (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=275, 6=275.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | C03 | SCISSORS | 4 | 1 | I60133003 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:54 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

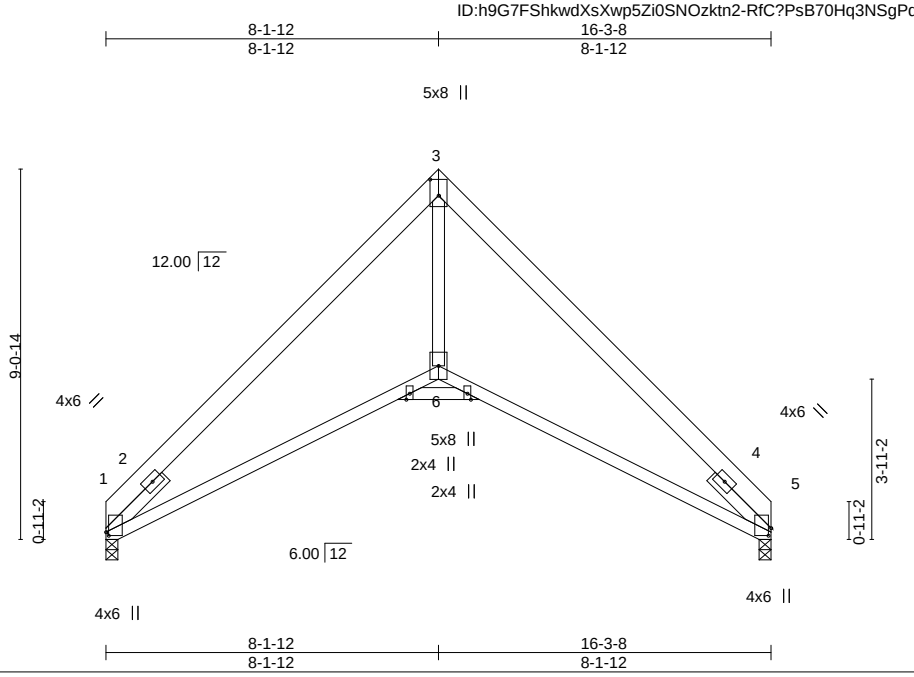


Plate Offsets (X,Y)-- [1:0-1-0,0-0-12], [3:0-4-12,0-2-8], [5:0-0-0,0-0-0], [5:0-2-3,0-0-12]

| 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 | 0.50 | Vert(LL) | 0.16 | 6-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.46 | Vert(CT) | -0.21 | 6-11 | >952 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.33 | Horz(CT) | 0.14 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 98 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-0-0, Right 2x4 SP No.3 2-0-0

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (size) 1=0-3-8, 5=0-3-8
Max Horz 1=362(LC 9)
Max Uplift 1=-257(LC 13), 5=-257(LC 12)
Max Grav 1=652(LC 1), 5=652(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1037/354, 3-5=-1181/483
BOT CHORD 1-6=-231/950, 5-6=-221/941
WEBS 3-6=-133/965

**NOTES-** (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=257, 5=257.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | C04 | COMMON GIRDER | 1 | 2 | I60133004 |

Job Reference (optional)

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:56 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

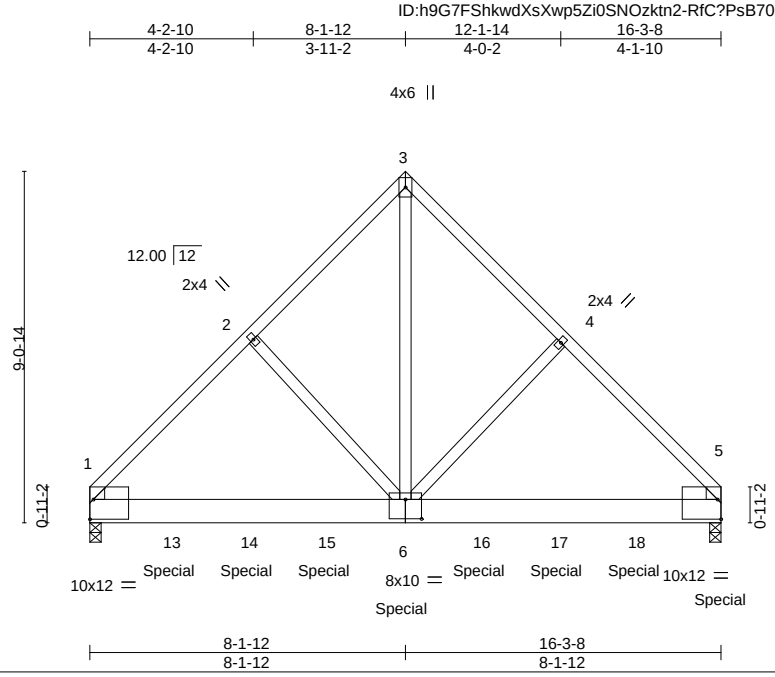


Plate Offsets (X,Y)-- [1:Edge,0-6-2], [5:Edge,0-6-2], [6:0-5-0,0-6-0]

| 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 | 0.31 | Vert(LL) | 0.09 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.40 | Vert(CT) | -0.12 | 6-12 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.53 | Horz(CT) | 0.01 | 1 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 230 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 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=0-3-8, 5=0-3-8
Max Horz 1=362(LC 24)
Max Uplift 1=-1606(LC 9), 5=-1660(LC 8)
Max Grav 1=3408(LC 2), 5=4349(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3184/1541, 2-3=-3075/1587, 3-4=-3076/1582, 4-5=-3185/1539
BOT CHORD 1-6=-1134/2398, 5-6=-994/2255
WEBS 2-6=-288/404, 3-6=-2013/4051, 4-6=-295/389

**NOTES-** (9)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 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=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1606, 5=1660.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 802 lb down and 407 lb up at 2-0-12, 802 lb down and 407 lb up at 4-0-12, 802 lb down and 407 lb up at 6-0-12, 802 lb down and 407 lb up at 8-0-12, 802 lb down and 407 lb up at 10-0-12, 885 lb down and 264 lb up at 12-0-12, and 885 lb down and 264 lb up at 14-0-12, and 893 lb down and 256 lb up at 16-3-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

**LOAD CASE(S)** Standard


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Continued on page 2



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**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 7-10=-20
   Concentrated Loads (lb)
   Vert: 6=-742(B) 10=-893(B) 13=-742(B) 14=-742(B) 15=-742(B) 16=-742(B) 17=-885(B) 18=-885(B)

| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B I60133005 |
|---|---|---|---|---|---|
| BASE+COP+1CG | D01 | GABLE | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:31:57 2023 Page 1
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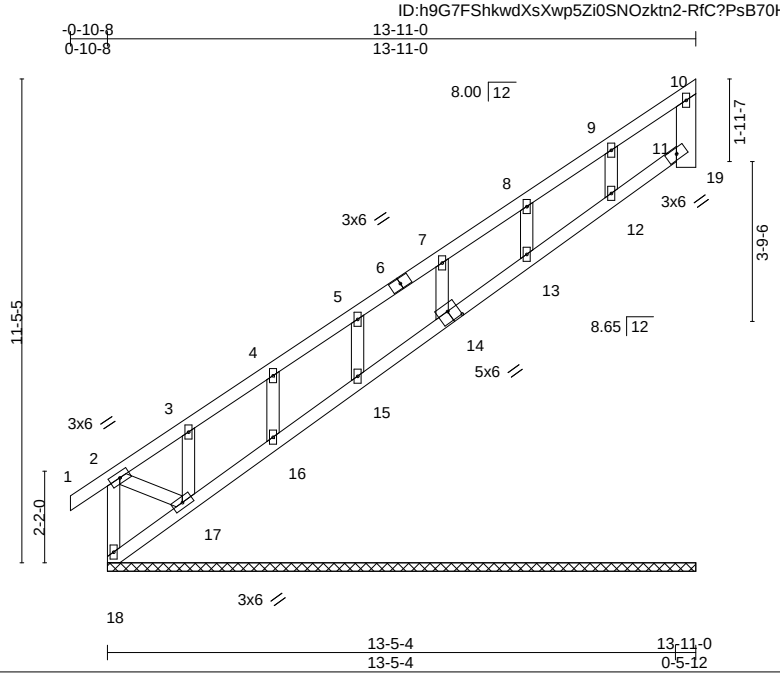


Scale = 1:54.5

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

| 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 | 0.18 | Vert(LL) | 0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.15 | Vert(CT) | 0.00 | 1 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.21 | Horz(CT) | -0.01 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 74 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 10-19: 2x6 SP No.2 |
| 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, Except: 6-0-0 oc bracing: 17-18,11-12. |

**REACTIONS.** All bearings 13-11-0.
(lb) - Max Horz 18=559(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-362(LC 10), 12=-101(LC 12), 13=-160(LC 12), 14=-160(LC 12), 15=-142(LC 12), 16=-163(LC 12), 17=-743(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=870(LC 12), 17=432(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-509/364, 2-3=-620/509, 3-4=-529/437, 4-5=-415/342, 5-7=-311/257
BOT CHORD 17-18=-963/830
WEBS 2-17=-582/707

**NOTES-** (12)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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.
9) Bearing at joint(s) 19, 11, 12, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=362, 12=101, 13=160, 14=160, 15=142, 16=163, 17=743.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 19, 11, 12, 13, 14, 15, 16, 17.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D02 | Monopitch | 9 | 1 | I60133006 |
| | | | | | Job Reference (optional) |

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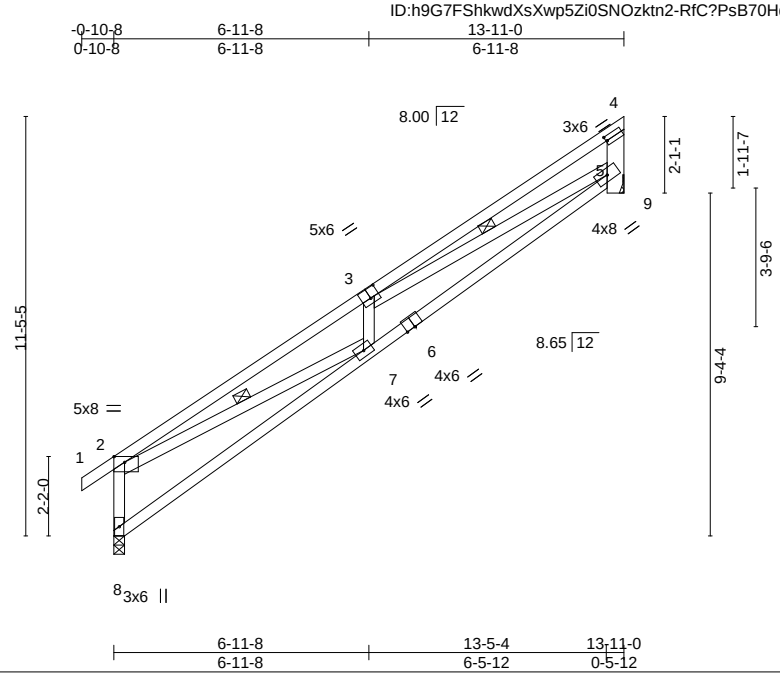


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-0,0-3-4], [4:0-0-6,0-1-8]

| 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 | 0.95 | Vert(LL) | 0.24 | 7 | >683 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.57 | Vert(CT) | -0.19 | 7-8 | >837 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.66 | Horz(CT) | -0.06 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 83 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-9: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-7, 3-5

**REACTIONS.** (size) 8=0-3-8, 9=Mechanical
Max Horz 8=619(LC 12)
Max Uplift 8=-54(LC 12), 9=-609(LC 12)
Max Grav 8=605(LC 1), 9=686(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-933/648, 2-3=-2291/1381, 3-4=-369/106, 5-9=-898/609
BOT CHORD 7-8=-1015/971, 5-7=-1960/2787
WEBS 2-7=-921/1690, 3-7=-326/343, 3-5=-2090/1490

**NOTES-** (8)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 9=609.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D03 | Roof Special | 1 | 1 | I60133007 |
| | | | | | Job Reference (optional) |

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ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

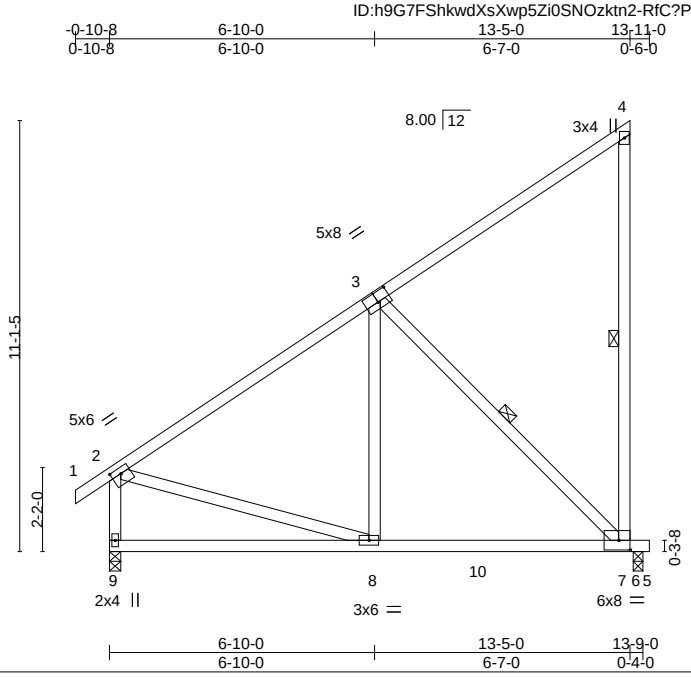


Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-4-0,0-3-0], [7:0-3-8,0-3-0]

| 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 | 0.68 | Vert(LL) | -0.07 | 7-8 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.47 | Vert(CT) | -0.15 | 7-8 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.34 | Horz(CT) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.10 | 7-8 | >999 | 240 | Weight: 97 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-7

**REACTIONS.** (size) 9=0-3-8, 6=0-3-0
Max Horz 9=601(LC 12)
Max Uplift 9=-70(LC 12), 6=-567(LC 12)
Max Grav 9=612(LC 19), 6=707(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-515/0, 4-7=-256/225, 2-9=-563/149
BOT CHORD 8-9=-765/696, 7-8=-423/601
WEBS 3-8=-37/266, 3-7=-815/576, 2-8=-99/374

**NOTES-** (6)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=567.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D04 | Roof Special | 5 | 1 | I60133008 |
| | | | | | Job Reference (optional) |

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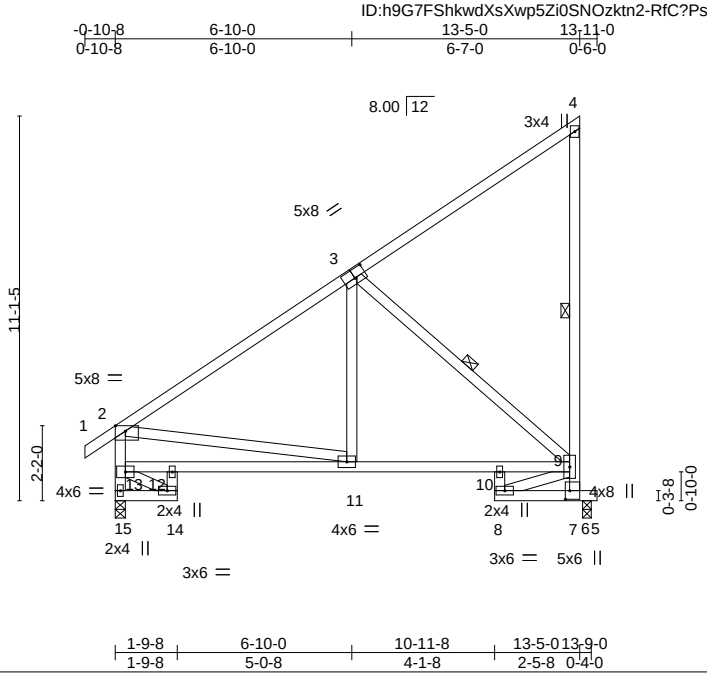


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0], [7:0-3-0,0-1-8]

| 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 | 0.95 | Vert(LL) | -0.06 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.50 | Vert(CT) | -0.14 | 10-11 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.34 | Horz(CT) | 0.08 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.08 | 11-12 | >999 | 240 | Weight: 106 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-7,12-14,8-10: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-9

**REACTIONS.** (size) 15=0-3-8, 6=0-3-0
Max Horz 15=601(LC 12)
Max Uplift 15=-70(LC 12), 6=-567(LC 12)
Max Grav 15=602(LC 1), 6=660(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-571/74, 7-9=-874/624, 4-9=-258/227, 13-15=-587/142, 2-13=-541/193
BOT CHORD 14-15=-451/298, 12-13=-1124/1085, 11-12=-1124/1085, 10-11=-497/697, 9-10=-497/697
WEBS 2-11=-393/636, 3-11=-107/302, 3-9=-893/640, 12-14=-271/205, 13-14=-341/516

**NOTES-** (6)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 6=567.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D05 | GABLE | 1 | 1 | I60133009 |
| | | | | | Job Reference (optional) |

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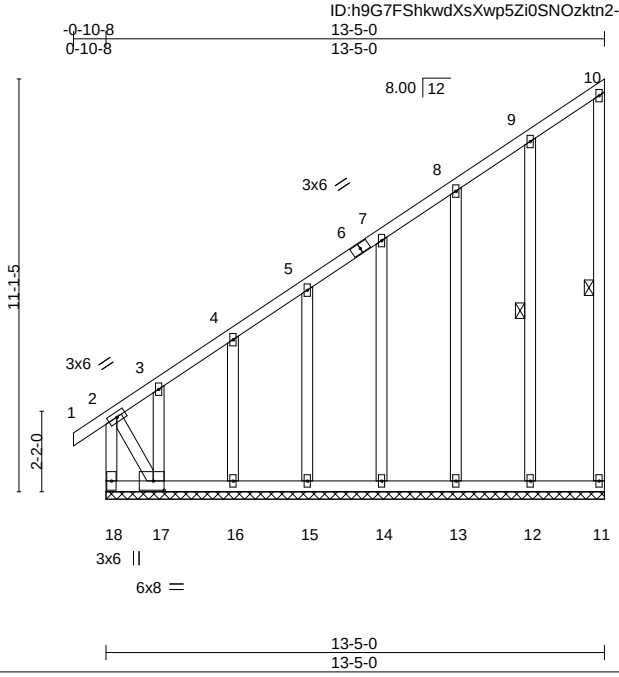


Plate Offsets (X,Y)-- [17:0-3-8,0-3-0]

| 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 | 0.35 | Vert(LL) | 0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.13 | Vert(CT) | -0.00 | 1-2 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.37 | Horz(CT) | -0.00 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 119 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 10-11: 2x4 SP No.2 |
| 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, Except: 6-0-0 oc bracing: 17-18. |
| WEBS | 1 Row at midpt 10-11, 9-12 |

**REACTIONS.** All bearings 13-5-0.
(lb) - Max Horz 18=601(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-478(LC 10), 12=-154(LC 12), 13=-154(LC 12), 14=-152(LC 12), 15=-150(LC 12), 16=-164(LC 12), 17=-1047(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=1239(LC 12), 17=535(LC 10)

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

| | |
|---|---|
| TOP CHORD | 2-18=-1306/1021, 2-3=-696/586, 3-4=-616/502, 4-5=-497/404, 5-7=-387/316, 7-8=-276/227 |
| BOT CHORD | 17-18=-673/554 |
| WEBS | 2-17=-1010/1227 |

**NOTES-** (10)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=478, 12=154, 13=154, 14=152, 15=150, 16=164, 17=1047.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D06 | Monopitch | 1 | 1 | I60133010 |
| | | | | | Job Reference (optional) |

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ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

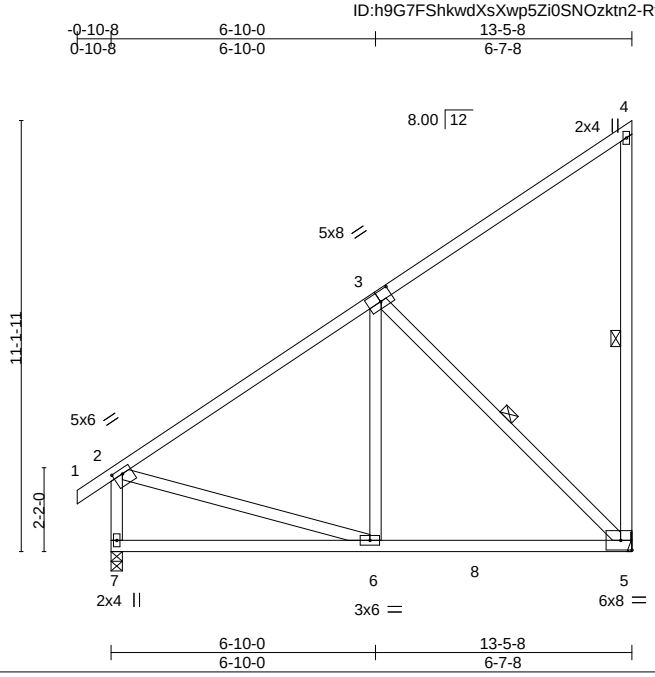


Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-4-0,0-3-0]

| 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 | 0.69 | Vert(LL) | -0.04 | 5-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.41 | Vert(CT) | -0.08 | 5-6 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.33 | Horz(CT) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.01 | 6 | >999 | 240 | Weight: 96 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-5, 3-5

**REACTIONS.** (size) 5=Mechanical, 7=0-3-8
Max Horz 7=603(LC 12)
Max Uplift 5=-592(LC 12), 7=-55(LC 12)
Max Grav 5=715(LC 19), 7=595(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-489/0, 4-5=-258/226, 2-7=-539/127
BOT CHORD 6-7=-774/707, 5-6=-402/569
WEBS 3-5=-788/558, 2-6=-142/387

**NOTES-** (7)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=592.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | D07 | Monopitch | 1 | 1 | I60133011 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:32:03 2023 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

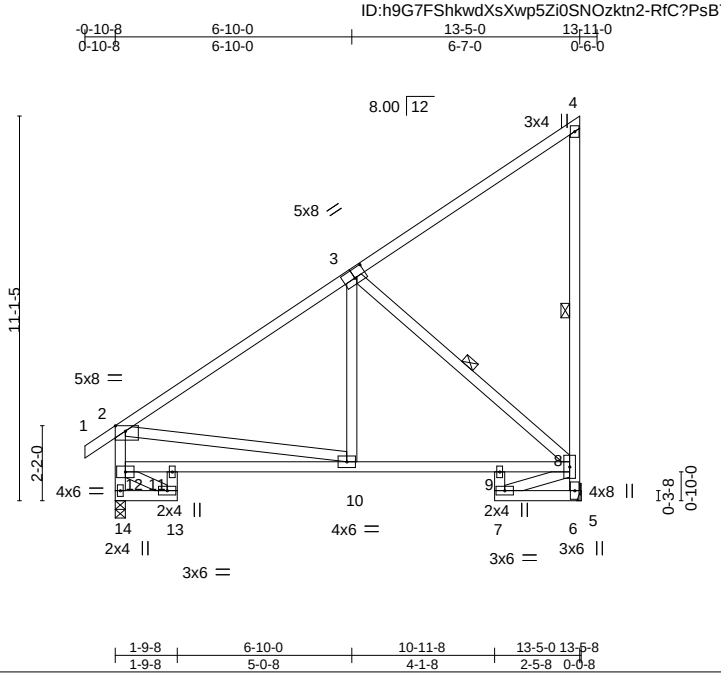


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0]

| 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 | 0.61 | Vert(LL) | 0.09 | 10-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.44 | Vert(CT) | -0.08 | 9-10 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.40 | Horz(CT) | 0.06 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 106 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6,2-14,11-13,7-9: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-6, 3-8

**REACTIONS.** (size) 6=Mechanical, 14=0-3-8
Max Horz 14=601(LC 12)
Max Uplift 6=-588(LC 12), 14=-54(LC 12)
Max Grav 6=669(LC 19), 14=589(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-544/43, 6-8=-847/605, 4-8=-259/229, 12-14=-574/128, 2-12=-519/168
BOT CHORD 13-14=-422/258, 11-12=-1147/1117, 10-11=-1147/1117, 9-10=-471/659, 8-9=-471/659
WEBS 2-10=-464/685, 3-10=-73/266, 3-8=-851/612, 11-13=-256/184, 12-13=-295/483

**NOTES-** (7)
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 6=588.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | E01 | GABLE | 1 | 1 | I60133012 |
| | | | | | Job Reference (optional) |

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ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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0-10-8 9-11-8 9-11-8 0-10-8

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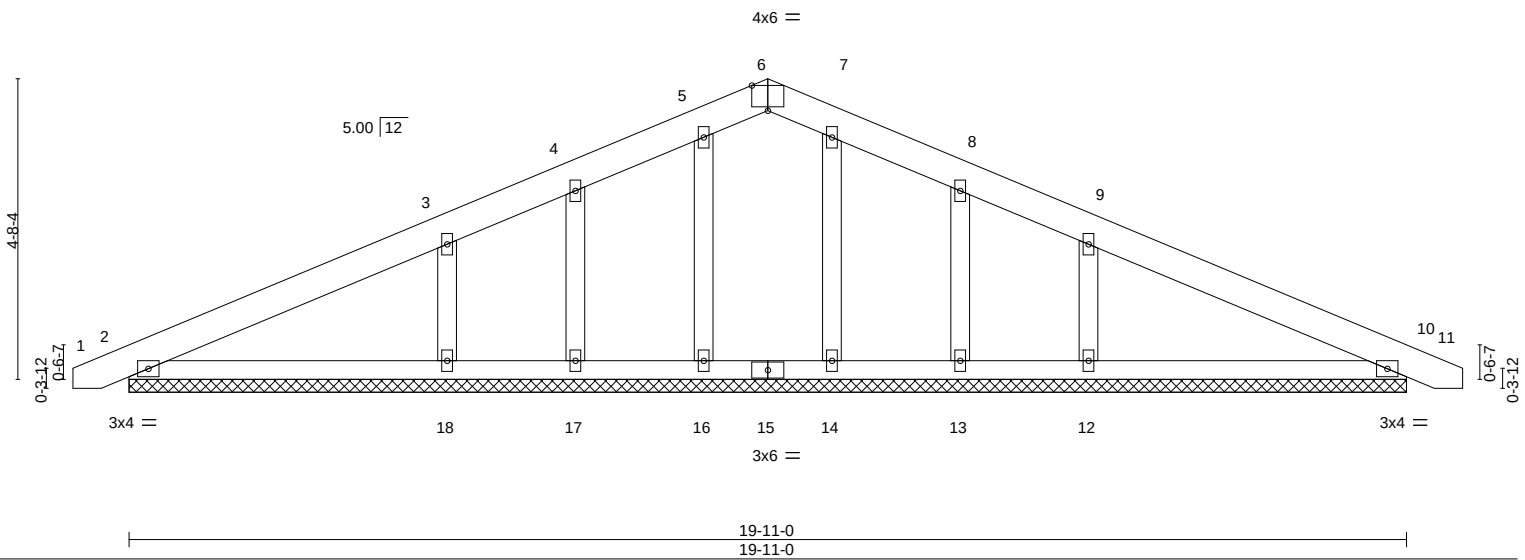


19-11-0
19-11-0

Plate Offsets (X,Y)-- [6:0-3-0,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 | 0.14 | Vert(LL) | 0.00 | 11 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.17 | Vert(CT) | 0.01 | 11 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(CT) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 109 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP 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 19-11-0.
(lb) - Max Horz 2=-133(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 14, 13 except 10=-120(LC 13), 18=-291(LC 12), 12=-289(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 10, 16, 17, 14, 13 except 18=401(LC 1), 12=401(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-93/265, 6-7=-93/265
WEBS 3-18=-299/376, 9-12=-299/376

**NOTES-** (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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 requires continuous bottom chord bearing.
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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 14, 13 except (jt=lb) 10=120, 18=291, 12=289.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023




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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | E02 | COMMON | 5 | 1 | I60133013 |
| | | | | | Job Reference (optional) |

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ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

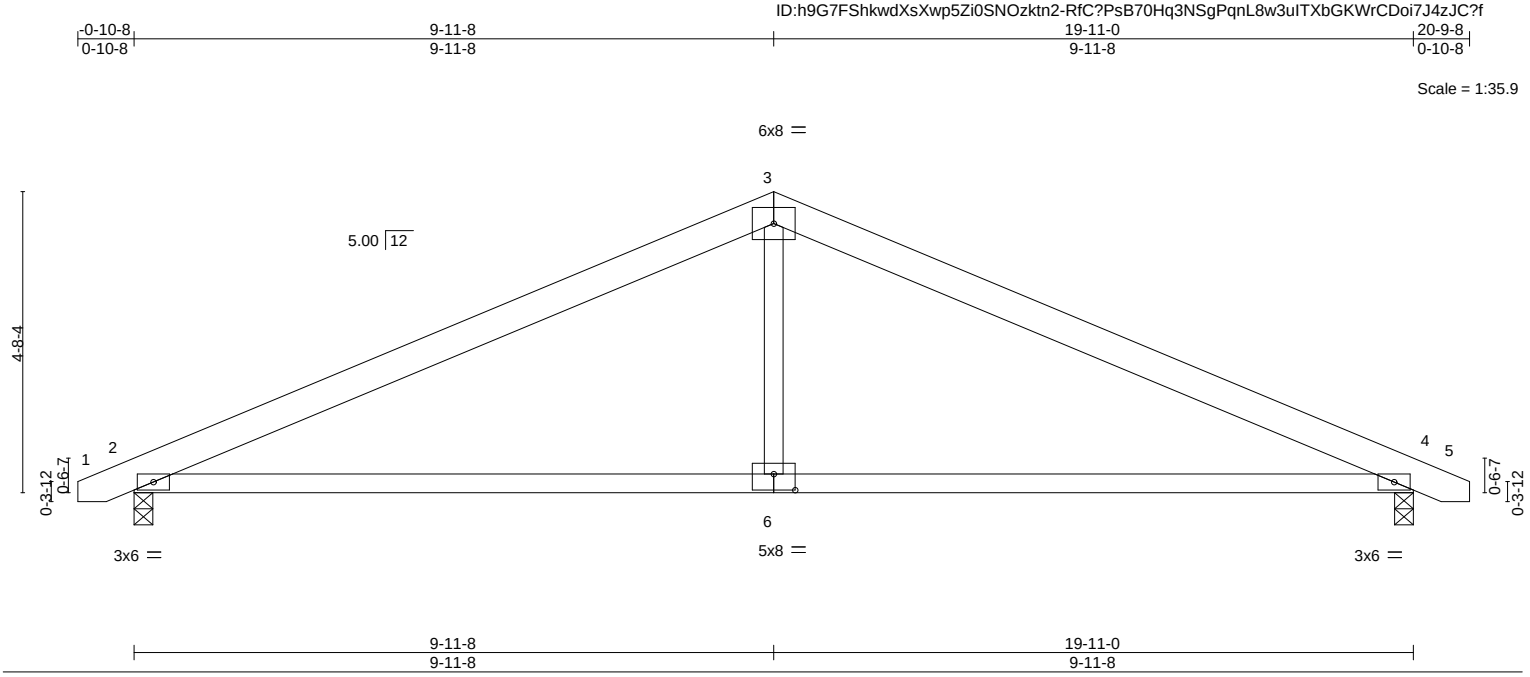


Plate Offsets (X,Y)-- [6:0-4-0,0-3-0]

| 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 | 0.56 | Vert(LL) | -0.13 | 6-9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.85 | Vert(CT) | -0.28 | 6-9 | >844 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.15 | Horz(CT) | 0.02 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | Wind(LL) | 0.18 | 6-9 | >999 | 240 | Weight: 91 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-133(LC 13)
Max Uplift 2=-395(LC 12), 4=-395(LC 13)
Max Grav 2=836(LC 1), 4=836(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1235/814, 3-4=-1235/814
BOT CHORD 2-6=-562/1080, 4-6=-562/1080
WEBS 3-6=0/404

**NOTES-** (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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) 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) except (jt=lb) 2=395, 4=395.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | J01 | GABLE | 1 | 1 | I60133014 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:32:07 2023 Page 1
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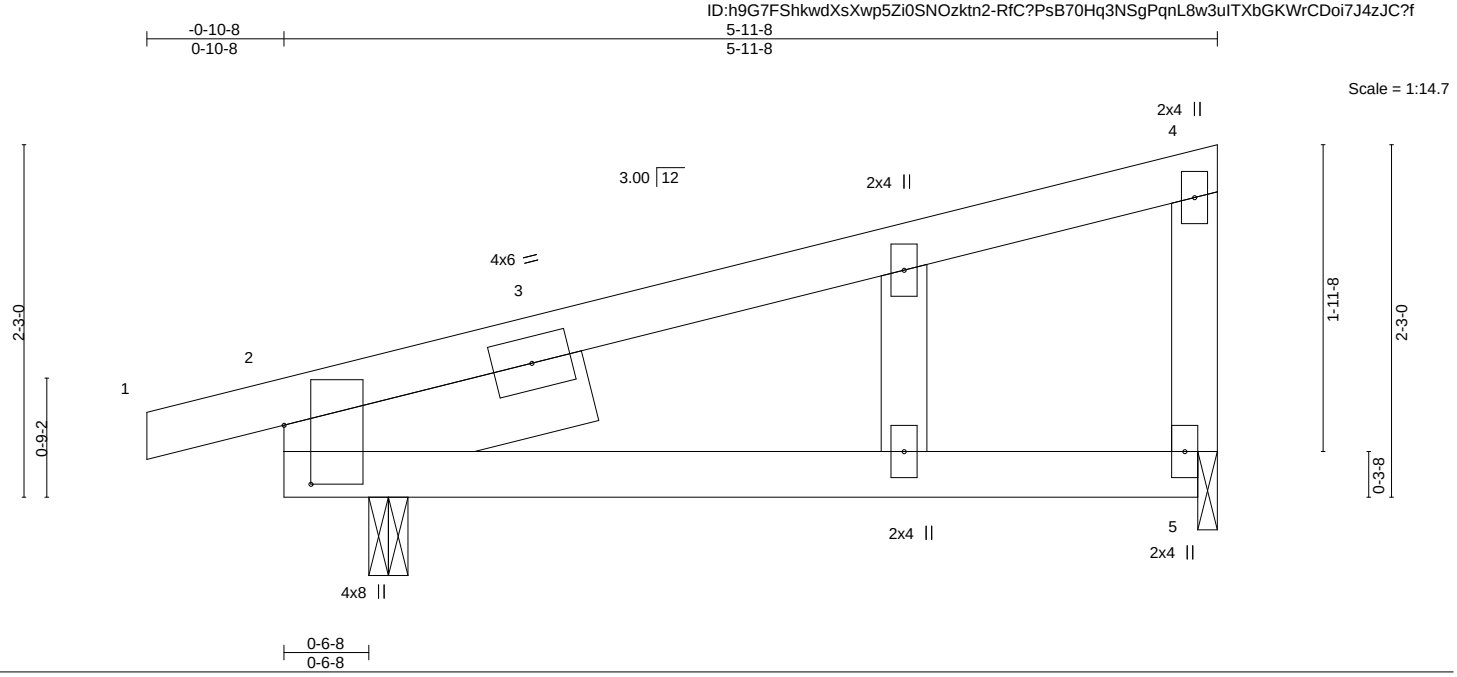


Plate Offsets (X,Y)-- [2:0-4-8,0-2-1]

| 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 | 0.57 | Vert(LL) | 0.15 | 5-12 | >477 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.54 | Vert(CT) | -0.07 | 5-12 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.04 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 28 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |
| SLIDER | Left 2x6 SP No.2 2-0-0 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied. |

**REACTIONS.** (size) 2=0-3-0, 5=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-311(LC 8), 5=-216(LC 8)
Max Grav 2=319(LC 1), 5=199(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-192/390, 4-5=-137/257

**NOTES-** (10)

1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;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) Gable studs spaced at 2-0-0 oc.
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) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 5=216.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | J02 | Monopitch | 7 | 1 | I60133015 |
| | | | | | Job Reference (optional) |

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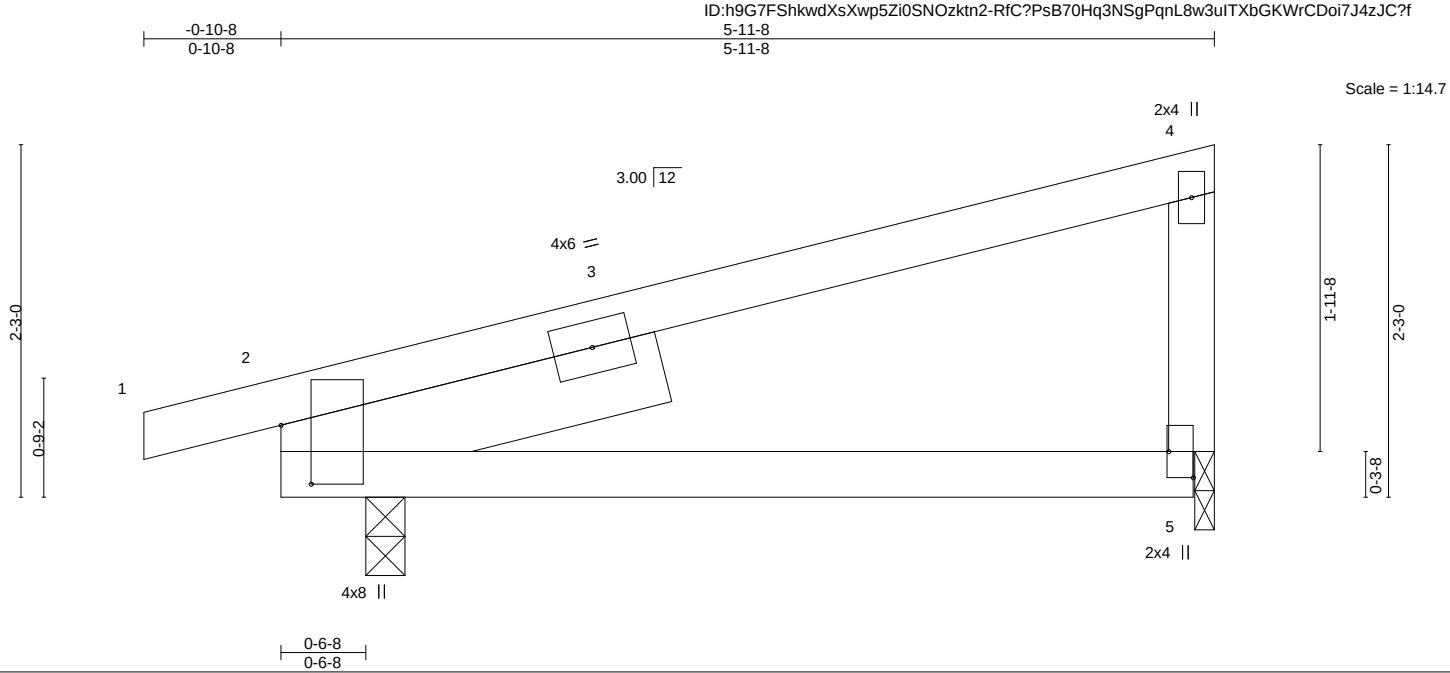


Plate Offsets (X,Y)-- [2:0-4-8,0-2-5], [5:Edge,0-1-14]

| 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 | 0.59 | Vert(LL) | 0.14 | 5-10 | >500 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.52 | Vert(CT) | -0.06 | 5-10 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.04 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-AS | | | | | | | Weight: 28 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-6-0

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (size) 2=0-3-0, 5=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-311(LC 8), 5=-216(LC 8)
Max Grav 2=319(LC 1), 5=199(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-231/529, 4-5=-138/261

**NOTES-**
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 5=216.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


August 15,2023



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Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | J03 | Monopitch Supported Gable | 2 | 1 | I60133016 |

Job Reference (optional)

Builders FirstSource (Sumter, SC), Sumter, SC - 29153, 8.630 s Jul 28 2023 MiTek Industries, Inc. Mon Aug 14 09:32:08 2023 Page 1
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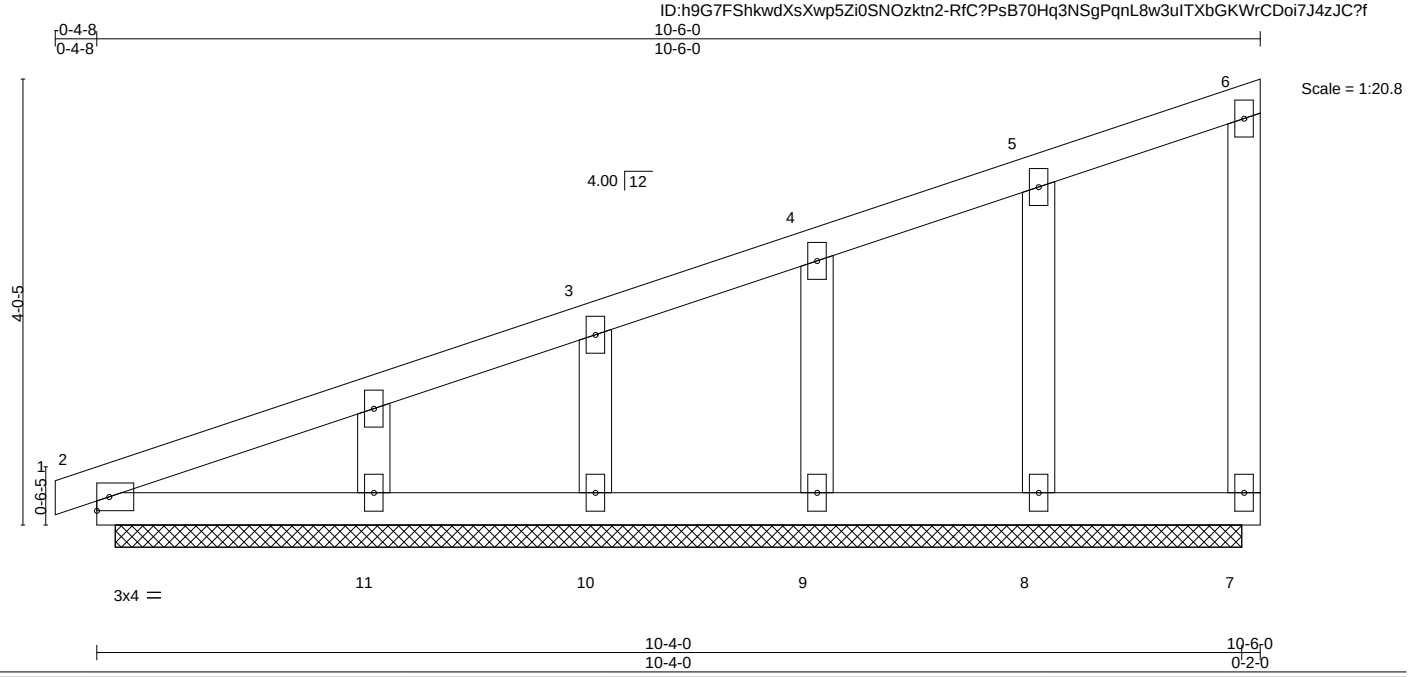


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.26 | Vert(LL) | -0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.16 | Vert(CT) | 0.00 | 1 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(CT) | -0.00 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | | Weight: 49 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 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. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |

**REACTIONS.** All bearings 10-2-0.
(lb) - Max Horz 2=275(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 9, 11 except 8=-124(LC 8), 10=-243(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8, 9, 11 except 10=273(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-357/202
WEBS 3-10=-249/380

**NOTES-**

1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 2-0-0 oc.
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) 7, 2, 9, 11 except (jt=lb) 8=124, 10=243.
8) Non Standard bearing condition. Review required.


August 15,2023



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| Job | Truss | Truss Type | Qty | Ply | DREAMFINDERS HOMES/JORDAN/ELEV:A&B |
|---|---|---|---|---|---|
| BASE+COP+1CG | J04 | Monopitch | 5 | 1 | I60133017 |
| | | | | | Job Reference (optional) |

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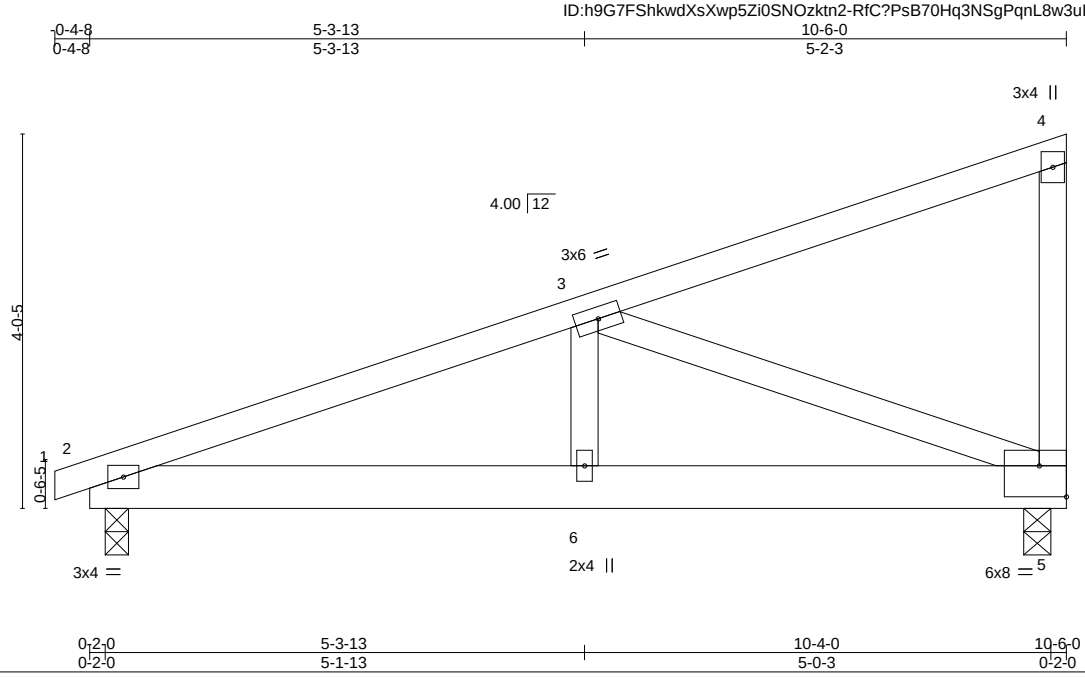


Plate Offsets (X,Y)-- [5:Edge,0-4-0]

| 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 | 0.44 | Vert(LL) | 0.05 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | -0.03 | 6-9 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.42 | Horz(CT) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-AS | | | | | | | Weight: 56 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (size) 5=0-3-8, 2=0-3-0
Max Horz 2=251(LC 8)
Max Uplift 5=-449(LC 8), 2=-394(LC 8)
Max Grav 5=414(LC 1), 2=437(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-717/1202
BOT CHORD 2-6=-1359/645, 5-6=-1359/645
WEBS 3-6=-469/228, 3-5=-665/1408

**NOTES-**
1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=449, 2=394.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.


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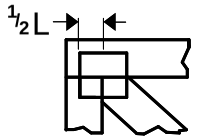
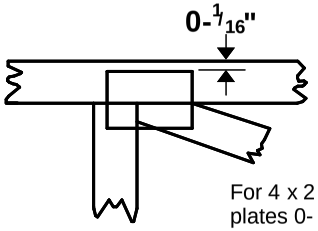
# Symbols

### 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.

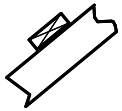
* Plate location details available in MiTek software or upon request.

### PLATE SIZE

4 x 4

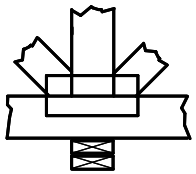
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### 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

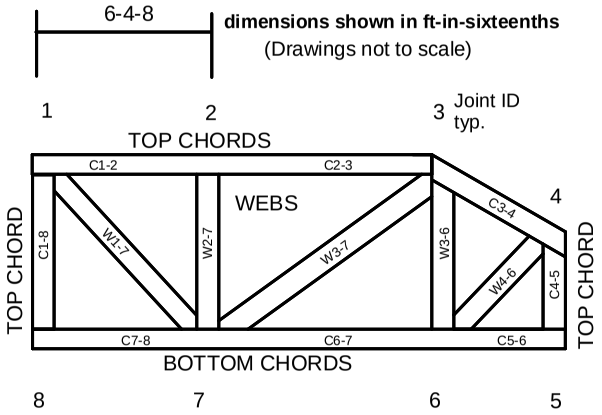


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

# Design General Notes

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. 1/2/2023

# 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.