

Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483

843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 45878

JOB: 24-1218-F01

JOB NAME: LOT 0.0043 HONEYCUTT HILLS

Wind Code: N/A

Wind Speed: Vult= N/A

Exposure Category: N/A

Mean Roof Height (feet): N/A

These truss designs comply with IRC 2015 as well as IRC 2018.

23 Truss Design(s)

Trusses:

F101, F102, F103, F104, F105, F106, F107, F108, F109, F110, F111, F112, F113, F114, F115, F116, F117, F118, F119, F120, F121, F122, F123



2/26/2024

Mark Morris

Warning !—Verify design parameters and read notes before use.

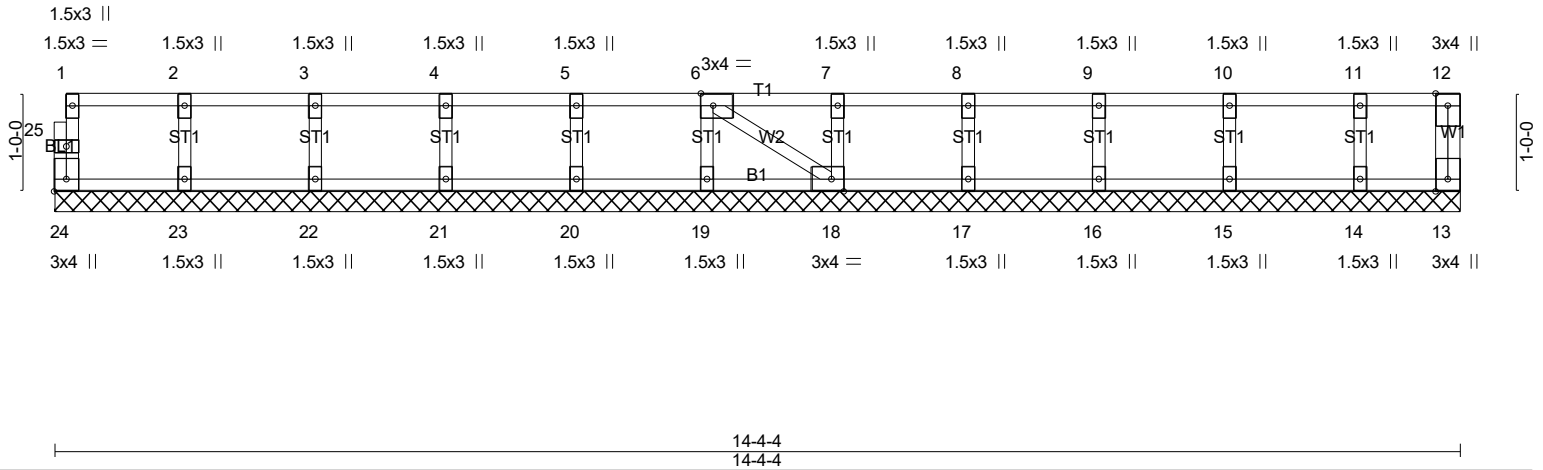
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for*

| | | | | | |
|-------------|-------|-----------------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F101 | Floor Supported Gable | 2 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:26 2024 Page 1
 ID:XfGBr?_CJqtCk9NOQCWjycQDJ-j54uvdfb309TG?Y2AZmUV2p7mdE4zw1YOW?G9wzgtth

0-1-8

Scale = 1:23.5



| | | | | | |
|--|-----------------------|-------------|----------------------------------|---------------|-----------------|
| Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8] | | | | | |
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.06 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.01 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.03 | Horz(CT) 0.00 13 n/a n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | Weight: 60 lb | FT = 20%F, 11%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |
| OTHERS 2x4 SP No.3(flat) | |

REACTIONS. All bearings 14-4-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

- NOTES-** (6-9)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

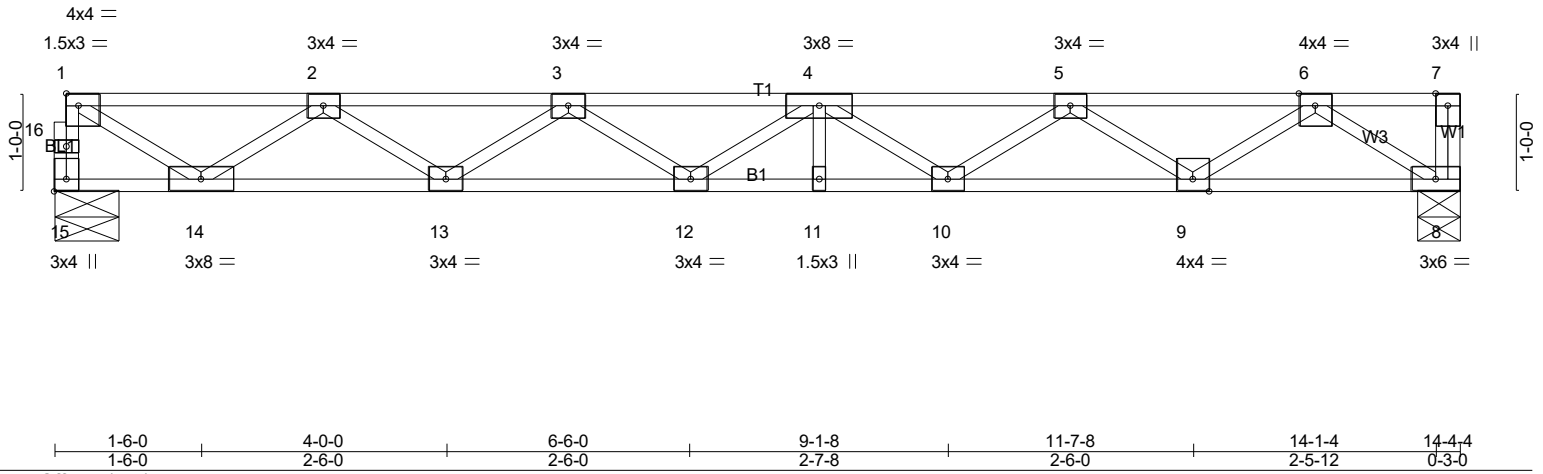
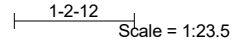
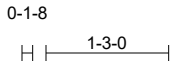


2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | | |
|--------------------|---------------|---------------------|----------|----------|--|---------|
| Job 24-1218-F01 | Truss F102 | Truss Type Floor | Qty 8 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | # 45878 |
|--------------------|---------------|---------------------|----------|----------|--|---------|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:27 2024 Page 1
ID:XfGBr?_CJqtCk9NOQCWjycQDJ-BHeG7zgDqKHJt97EkGHj2FLCm0R4iFyhdAlqhMzgtch



| | | | | | |
|---|-----------------------|-------------|----------------------------------|---------------|-----------------|
| Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:Edge,0-1-8] | | | | | |
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.36 | Vert(LL) -0.17 11-12 >999 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.60 | Vert(CT) -0.23 11-12 >732 360 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.56 | Horz(CT) 0.04 8 n/a n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | | |
| | | | | Weight: 72 lb | FT = 20%F, 11%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 15=769/0-7-14 (min. 0-1-8), 8=776/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-764/0, 1-16=-762/0, 1-2=-1042/0, 2-3=-2457/0, 3-4=-3046/0, 4-5=-2841/0, 5-6=-1841/0
BOT CHORD 13-14=0/1953, 12-13=0/2925, 11-12=0/3140, 10-11=0/3140, 9-10=0/2526, 8-9=0/1117
WEBS 1-14=0/1186, 2-14=-1112/0, 2-13=0/615, 3-13=-571/0, 4-10=-359/0, 5-10=0/385, 5-9=-836/0, 6-9=0/884, 6-8=-1329/0

- NOTES-** (3-6)
- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 2) CAUTION, Do not erect truss backwards.
 - 3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 6) SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|--------------------|---------------|-------------------------------------|----------|----------|--|
| Job 24-1218-F01 | Truss F103 | Truss Type Floor Supported Gable | Qty 1 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 45878 |
|--------------------|---------------|-------------------------------------|----------|----------|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:29 2024 Page 1
ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-7gm0YehTMx17SHdrhJB7gQd?qGnAHn_4TEwmFzgjtha

0-1-8

Scale = 1:38.3

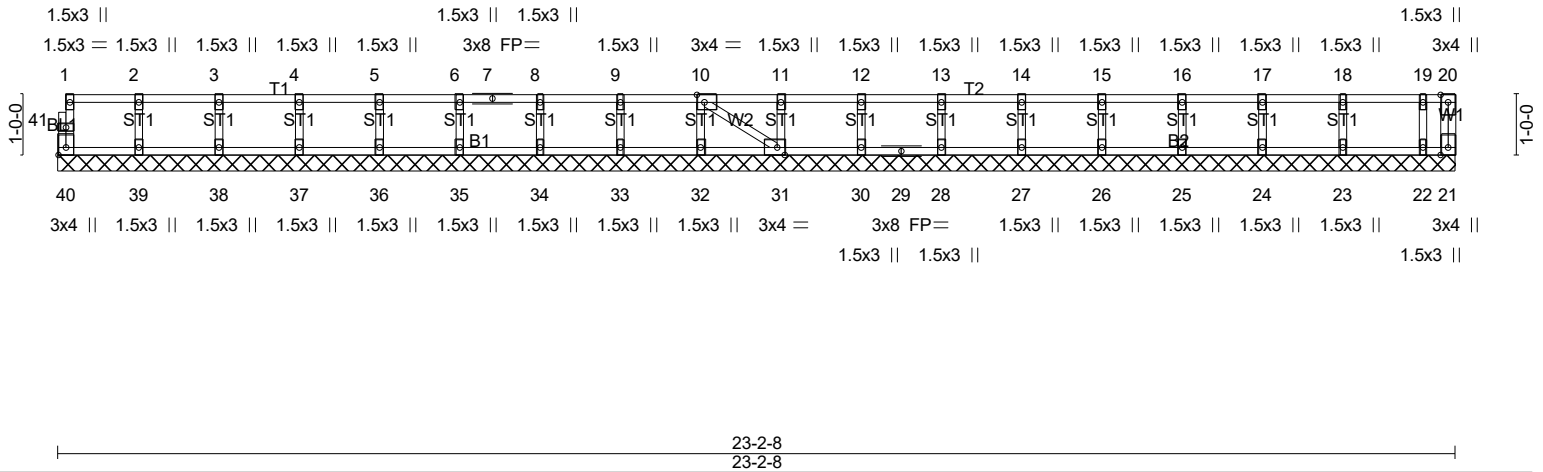


Plate Offsets (X,Y)-- [10:0-1-8,Edge], [31:0-1-8,Edge], [40:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP | |
|---------------|----------------------|-------|-----------|----------|----------|--------|-----|--------|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 21 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | |
| | | | | | | | | | Weight: 94 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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 23-2-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 21
Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 28, 27, 26, 25, 24, 23, 22

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

- NOTES-** (7-10)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

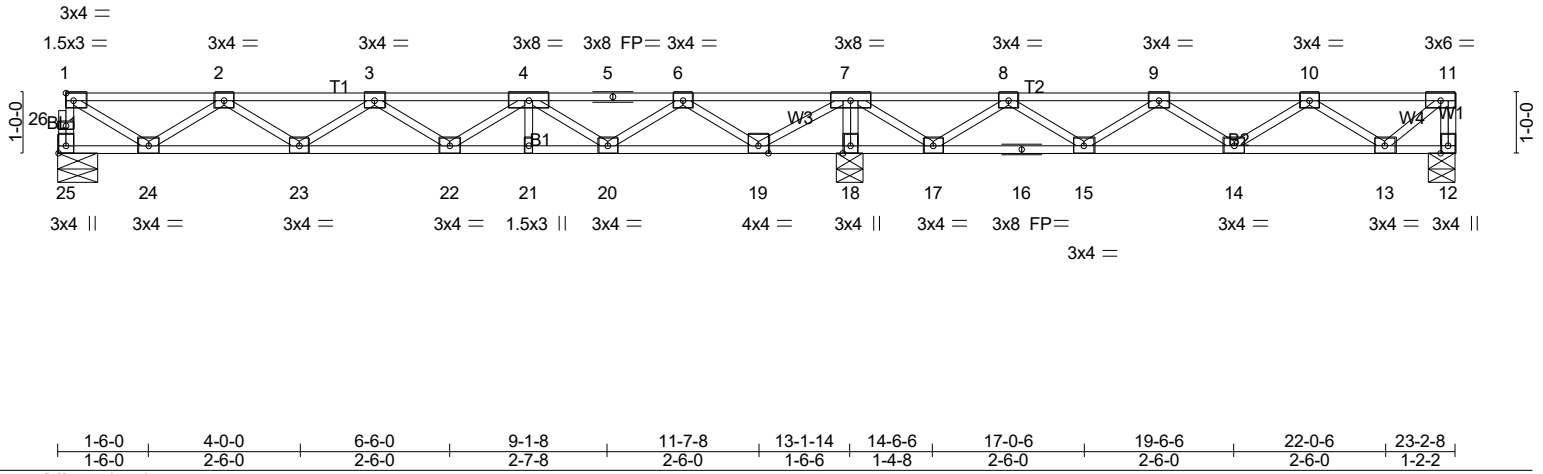
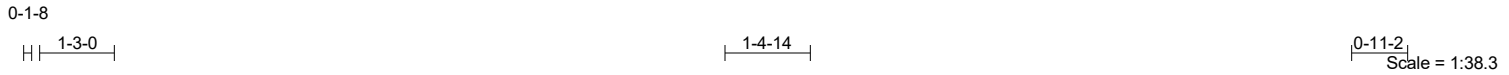


2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F104 | Floor | 6 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:30 2024 Page 1
 ID: XfGBr?_CJqttCkf9NOQCWjycQDj-bsKPI_i67FfukcspPPrQguzkpEY7vef7J7zUlhgzthZ



| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|-------|-------|--------|-----|--------|--------------------------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.31 | Vert(LL) | -0.06 | 22 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.26 | Vert(CT) | -0.08 | 22 | >999 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.44 | Horz(CT) | 0.01 | 18 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | |
| | | | | | | | | | | Weight: 115 lb FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

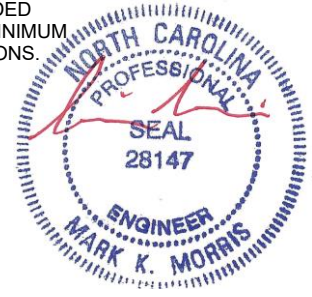
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=381/0-7-14 (min. 0-1-8), 12=242/0-5-4 (min. 0-1-8), 18=1057/0-5-4 (min. 0-1-8)
 Max Grav 25=401(LC 3), 12=304(LC 4), 18=1057(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 25-26=-398/0, 1-26=-397/0, 11-12=-301/0, 1-2=-520/0, 2-3=-1147/0, 3-4=-1223/0, 4-5=-759/60, 5-6=-759/60,
 6-7=0/505, 7-8=0/782, 8-9=-546/387, 9-10=-683/124, 10-11=-290/10
 BOT CHORD 23-24=0/969, 22-23=0/1301, 21-22=0/1118, 20-21=0/1118, 19-20=-212/391, 18-19=-1306/0, 17-18=-1312/0,
 16-17=-570/339, 15-16=-570/339, 14-15=-230/729, 13-14=-43/615
 WEBS 7-18=-1029/0, 1-24=0/591, 2-24=-548/0, 4-20=-473/0, 6-20=0/489, 6-19=-794/0, 7-19=0/923, 7-17=0/708, 8-17=-655/0,
 8-15=0/365, 9-15=-334/0, 10-13=-397/39, 11-13=-14/377

- NOTES-** (4-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 3) CAUTION, Do not erect truss backwards.
 - 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

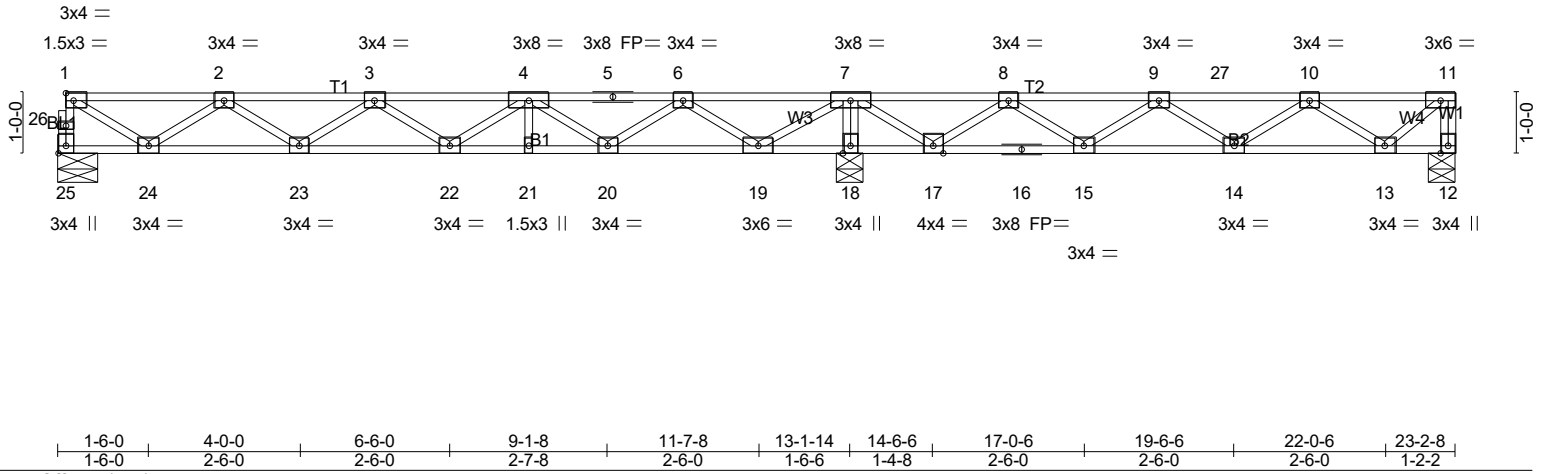
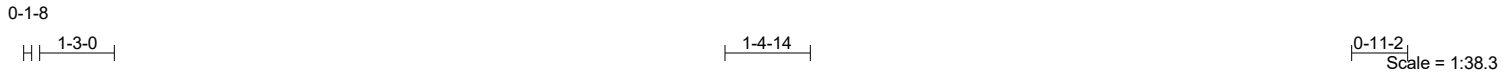


2/26/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F105 | Floor | 7 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:32 2024 Page 1
 ID:XfGBr?_CJqtCk9NOQCWjycQDJ-YFR9AgkMfswc_w0CWptuJ2vh1DoNXpQmRSbNazgthX



| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|----------|--------|------|----------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.99 | Vert(LL) | -0.06 | 22 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.31 | Vert(CT) | -0.07 | 22 | >999 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.46 | Horz(CT) | 0.01 | 12 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | |
| | | | | | | | | Weight: 115 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

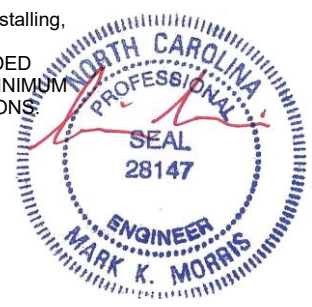
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=364/0-7-14 (min. 0-1-8), 12=427/0-5-4 (min. 0-1-8), 18=1224/0-5-4 (min. 0-1-8)
 Max Grav 25=384(LC 3), 12=489(LC 4), 18=1224(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 25-26=-381/0, 1-26=-380/0, 11-12=-486/0, 1-2=-494/0, 2-3=-1072/0, 3-4=-1100/0, 4-5=-584/235, 5-6=-584/235,
 6-7=0/726, 7-8=0/808, 8-9=-983/0, 9-27=-1305/0, 10-27=-1305/0, 10-11=-539/0
 BOT CHORD 23-24=0/919, 22-23=0/1202, 21-22=-74/970, 20-21=-74/970, 19-20=-412/191, 18-19=-1550/0, 17-18=-1558/0,
 16-17=-396/513, 15-16=-396/513, 14-15=0/1429, 13-14=0/1161
 WEBS 7-18=-1193/0, 1-24=0/561, 2-24=-519/0, 4-20=-504/0, 6-19=-819/0, 7-19=0/949, 7-17=0/967, 8-17=-899/0,
 8-15=0/687, 9-15=-655/0, 10-13=-759/0, 11-13=0/701

- NOTES-** (5-8)
- Unbalanced floor live loads have been considered for this design.
 - Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-25=-7, 1-11=-67
 Concentrated Loads (lb)
 Vert: 27=-335
 2) Dead: Lumber Increase=1.00, Plate Increase=1.00



2/26/2024

Continued on Page 2 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|-----|-----|--|
| 24-1218-F01 | F105 | Floor | 7 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:32 2024 Page 2
 ID:XfGBr?_CJqttCk9NOQCWjycQDJ-YFR9AgkMfswc_w0CWptuJ2vh1DoNXpQmRSbNazgthX

LOAD CASE(S) Standard

- Uniform Loads (plf)
 - Vert: 12-25=-7, 1-11=-67
- Concentrated Loads (lb)
 - Vert: 27=-335
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-25=-7, 1-7=-67, 7-11=-13
 - Concentrated Loads (lb)
 - Vert: 27=-335
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-25=-7, 1-7=-13, 7-11=-67
 - Concentrated Loads (lb)
 - Vert: 27=-335
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-25=-7, 1-7=-67, 7-11=-13
 - Concentrated Loads (lb)
 - Vert: 27=-335
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-25=-7, 1-7=-13, 7-11=-67
 - Concentrated Loads (lb)
 - Vert: 27=-335



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F106 | Floor | 1 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:33 2024 Page 1
 ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-0R?XN01_QA2Tb4bO4XO7HWb8?RU66t7a?5C8v0zghW

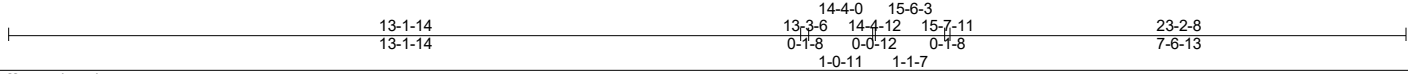
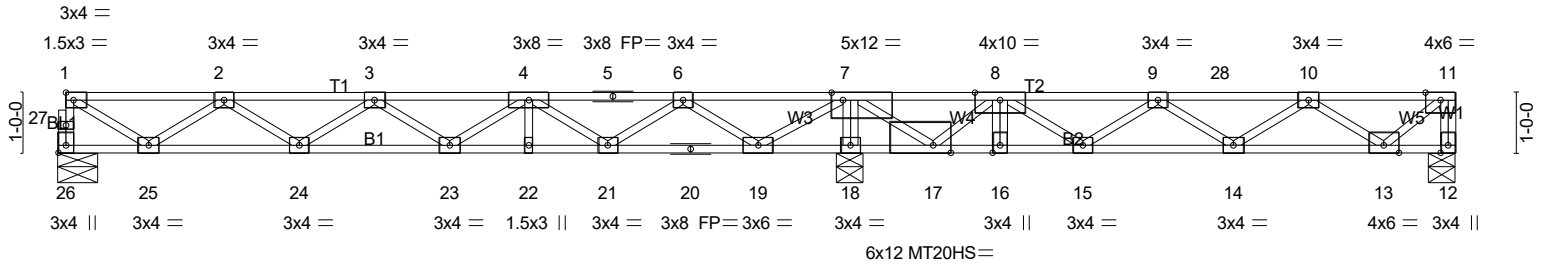
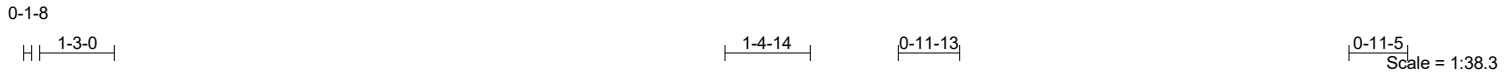


Plate Offsets (X,Y)-- [7:0-2-4,Edge], [17:0-3-8,Edge], [26:Edge,0-1-8]

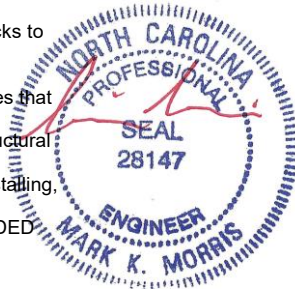
| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|------|----------------|-----------------|
| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.76 | Vert(LL) | -0.06 | 23 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.62 | Vert(CT) | -0.11 | 14-15 | >999 | MT20HS | 187/143 |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.90 | Horz(CT) | 0.01 | 12 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | |
| | | | | | | | | Weight: 117 lb | FT = 20%F, 11%E |

| | |
|---|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) *Except* T2: 2x4 SP SS(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.2(flat) *Except* BL1,W1,W3,W4,W5: 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 26=287/0-7-14 (min. 0-1-8), 12=703/0-5-4 (min. 0-1-8), 18=2524/0-5-4 (min. 0-1-8)
 Max Uplift 26=-9(LC 4)
 Max Grav 26=307(LC 3), 12=766(LC 4), 18=2524(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 26-27=-304/12, 1-27=-303/12, 11-12=-762/0, 1-2=-374/39, 2-3=-734/207, 3-4=-543/523,
 4-5=0/1007, 5-6=0/1007, 6-7=0/1730, 7-8=-635/46, 8-9=-2883/0, 9-28=-2432/0,
 10-28=-2432/0, 10-11=-882/0
 BOT CHORD 24-25=-95/689, 23-24=-343/754, 22-23=-735/298, 21-22=-735/298, 20-21=-1295/0,
 19-20=-1295/0, 18-19=-2662/0, 17-18=-2678/0, 16-17=0/2775, 15-16=0/2776, 14-15=0/2947,
 13-14=0/1896
 WEBS 7-18=-2464/0, 1-25=-46/423, 2-25=-385/69, 3-23=-292/0, 4-23=0/330, 4-21=-640/0,
 6-21=0/658, 6-19=-951/0, 7-19=0/1074, 7-17=0/3206, 8-17=-2806/0, 9-14=-629/0,
 10-14=0/654, 10-13=-1237/0, 11-13=0/1140

- NOTES-** (7-10)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26.
 - 4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION. Do not erect truss backwards.
 - 7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



LOAD CASE(S) Standard
 Continuing on Page 2
 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F106 | Floor | 1 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:34 2024 Page 2
 ID:XfGBr?_CJqtCkf9NOQCWjycQDJ-UdZvbMlcBTAKDD9aeEvMqk8JlrqLrKNjElxhRSzghv

LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-11=-67
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335
- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-11=-67
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-7=-67, 7-11=-13
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-7=-13, 7-11=-67
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-7=-67, 7-11=-13
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 12-26=-7, 1-7=-13, 7-11=-67
 Concentrated Loads (lb)
 Vert: 8=-1500 28=-335



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F107 | Floor | 7 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:35 2024 Page 1
 ID:XfGBr?_CJqttCk9NOQCWjycQDJ-yq7loimExnlBrNkmCyQcNxyY0FDtas_tSPhFzuzgthU

0-3-14
 0-4-0
 Scale = 1:38.1

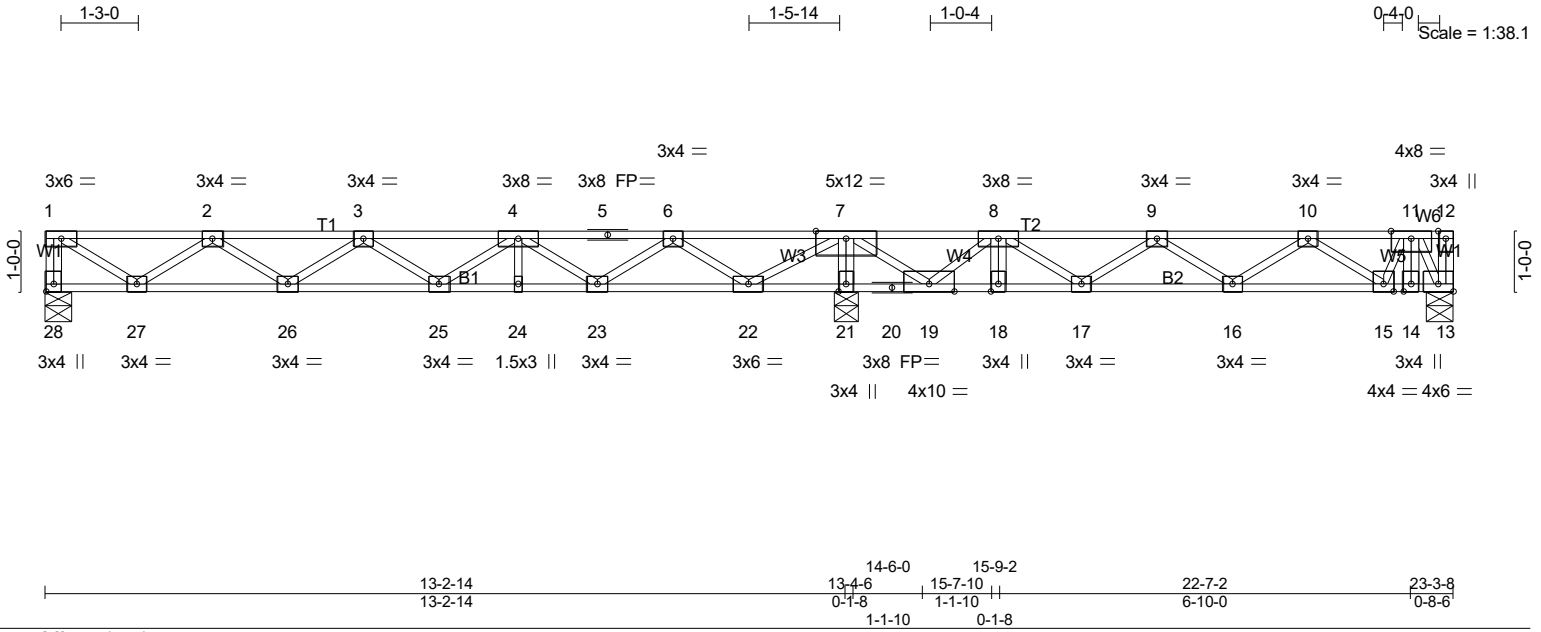


Plate Offsets (X,Y)-- [13:Edge,0-1-8], [28:Edge,0-1-8]

| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|----------|--------|------|----------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.47 | Vert(LL) | -0.06 | 25 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.41 | Vert(CT) | -0.08 | 16-17 | >999 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.63 | Horz(CT) | 0.01 | 13 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | |
| | | | | | | | | Weight: 121 lb | FT = 20%F, 11%E |

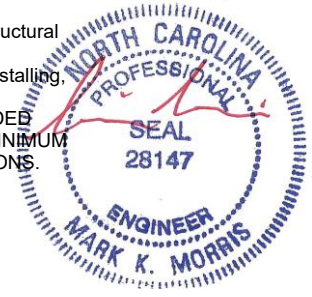
| LUMBER- | BRACING- |
|---------------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) *Except* | |
| W2: 2x4 SP No.2(flat) | |

REACTIONS. (lb/size) 28=332/0-5-4 (min. 0-1-8), 21=1936/0-5-4 (min. 0-1-8), 13=1222/0-5-4 (min. 0-1-8)
 Max Grav 28=353(LC 3), 21=1936(LC 1), 13=1285(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-28=-349/0, 1-2=-436/0, 2-3=-916/37, 3-4=-840/245, 4-5=-220/614, 5-6=-220/614, 6-7=0/1196, 7-8=-330/344, 8-9=-1896/0, 9-10=-1703/0, 10-11=-1004/0
 BOT CHORD 26-27=0/814, 25-26=-119/993, 24-25=-400/657, 23-24=-400/657, 22-23=-845/0, 21-22=-2125/0, 20-21=-2144/0, 19-20=-2144/0, 18-19=0/1831, 17-18=0/1831, 16-17=0/1925, 15-16=0/1460, 14-15=0/814, 13-14=0/814
 WEBS 7-21=-1889/0, 1-27=0/517, 2-27=-461/2, 4-25=0/256, 4-23=-565/0, 6-23=0/582, 6-22=-890/0, 7-22=0/1058, 7-19=0/2215, 8-19=-1972/0, 9-16=-271/0, 10-16=0/297, 10-15=-558/0, 11-15=0/410, 11-13=-1485/0

- NOTES-** (5-8)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.
 - 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 13-28=-7, 1-12=-67



2/26/2024

Continued on Page 2
 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F107 | Floor | 7 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:36 2024 Page 2
ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-Q0hg02nti5Q2SXJzifxv9DjmfZ6JJE0h3QoWLzghT

LOAD CASE(S) Standard

- Concentrated Loads (lb)
 - Vert: 8=-935 11=-866
- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 13-28=-7, 1-12=-67
 - Concentrated Loads (lb)
 - Vert: 8=-935 11=-866
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 13-28=-7, 1-7=-67, 7-12=-13
 - Concentrated Loads (lb)
 - Vert: 8=-935 11=-866
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 13-28=-7, 1-7=-13, 7-12=-67
 - Concentrated Loads (lb)
 - Vert: 8=-935 11=-866
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 13-28=-7, 1-7=-67, 7-12=-13
 - Concentrated Loads (lb)
 - Vert: 8=-935 11=-866
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 13-28=-7, 1-7=-13, 7-12=-67
 - Concentrated Loads (lb)
 - Vert: 8=-935 11=-866

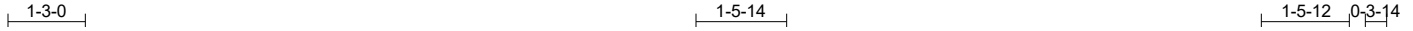


2/26/2024

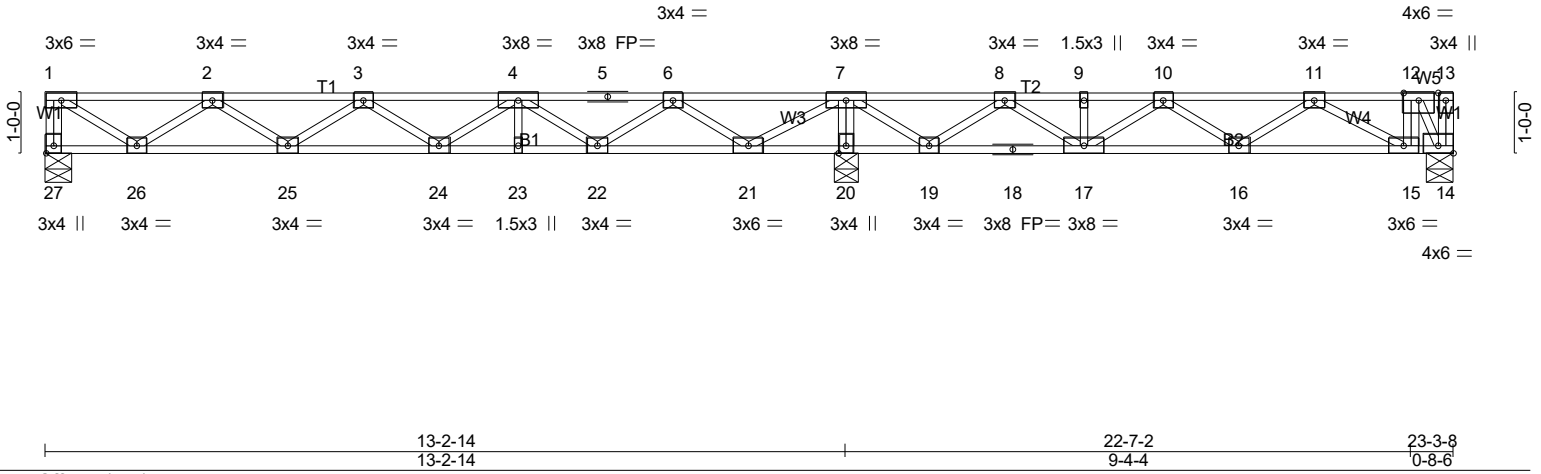
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F108 | Floor | 2 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:37 2024 Page 1
 ID: XfGBr?_CJqttCkF9NOQCWjycQDj-uCF2DNoVTOYv4hu9JNT4SMmw?2wT2o09wjAM2nzgthS



Scale = 1:38.1



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|----------------------------|----------------|-----------------|
| TCLL 40.0 | 1-4-0 | TC 0.38 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.27 | Vert(LL) -0.06 24 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.46 | Vert(CT) -0.08 24 >999 360 | | |
| BCDL 5.0 | Rep Stress Incr NO | Matrix-SH | Horz(CT) 0.01 14 n/a n/a | | |
| | Code IRC2021/TPI2014 | | | Weight: 119 lb | FT = 20%F, 11%E |

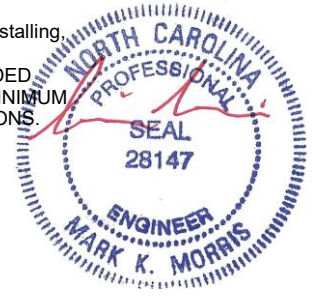
| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 27=380/0-5-4 (min. 0-1-8), 20=1128/0-5-4 (min. 0-1-8), 14=1047/0-5-4 (min. 0-1-8)
 Max Grav 27=401(LC 3), 20=1128(LC 1), 14=1110(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-27=-397/0, 1-2=-511/0, 2-3=-1127/0, 3-4=-1189/0, 4-5=-711/127, 5-6=-711/127,
 6-7=0/567, 7-8=0/810, 8-9=-728/220, 9-10=-728/220, 10-11=-1001/0, 11-12=-709/0
 BOT CHORD 25-26=0/957, 24-25=0/1274, 23-24=0/1077, 22-23=0/1077, 21-22=-288/338, 20-21=-1421/0,
 19-20=-1432/0, 18-19=-516/397, 17-18=-516/397, 16-17=0/977, 15-16=0/709
 WEBS 7-20=-1100/0, 1-26=0/606, 2-26=-544/0, 4-22=-480/0, 6-22=0/497, 6-21=-805/0,
 7-21=0/972, 7-19=0/813, 8-19=-752/0, 8-17=0/523, 10-17=-408/0, 11-15=-328/162,
 12-14=-1295/0

- NOTES-** (5-8)
- Unbalanced floor live loads have been considered for this design.
 - Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 14-27=-7, 1-13=-67
 Concentrated Loads (lb)
 Vert: 12=-866



2/26/2024

Continued on Page 2
 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F108 | Floor | 2 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:37 2024 Page 2
ID:XfGBr?_CJqttCkF9NOQCWjycQDJ-uCF2DNoVTOYv4hu9JNT4SMmw?2wT2o09wjAM2nzgthS

LOAD CASE(S) Standard

- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 14-27=-7, 1-13=-67
 - Concentrated Loads (lb)
 - Vert: 12=-866
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 14-27=-7, 1-7=-67, 7-13=-13
 - Concentrated Loads (lb)
 - Vert: 12=-866
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 14-27=-7, 1-7=-13, 7-13=-67
 - Concentrated Loads (lb)
 - Vert: 12=-866
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 14-27=-7, 1-7=-67, 7-13=-13
 - Concentrated Loads (lb)
 - Vert: 12=-866
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 14-27=-7, 1-7=-13, 7-13=-67
 - Concentrated Loads (lb)
 - Vert: 12=-866



2/26/2024

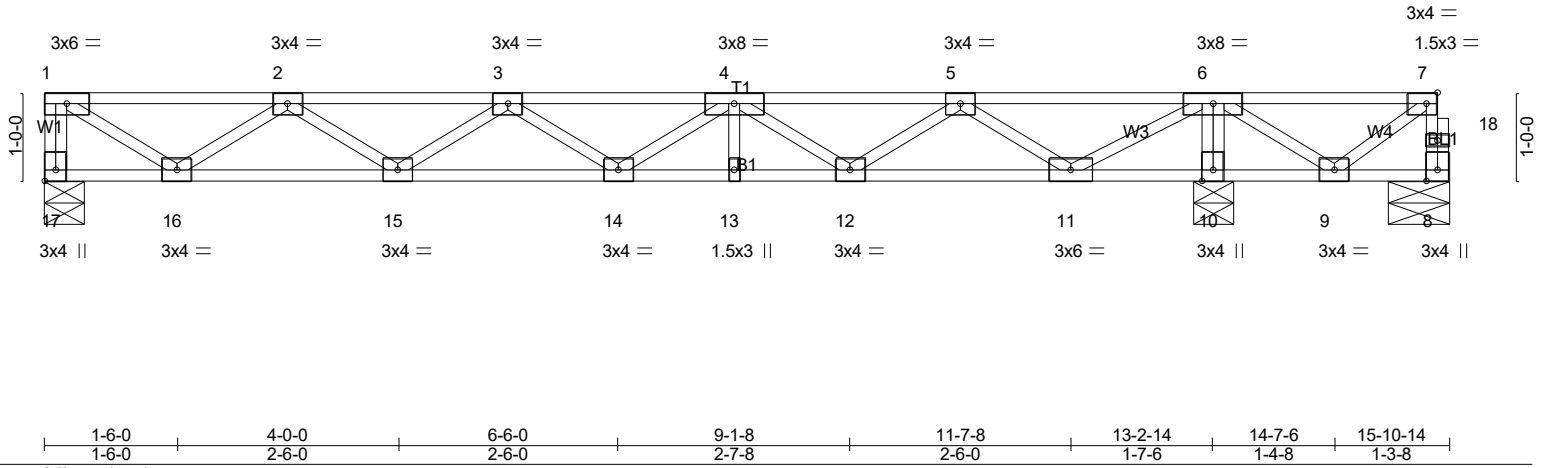
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|--------------------|---------------|---------------------|----------|----------|--|
| Job 24-1218-F01 | Truss F109 | Truss Type Floor | Qty 4 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 45878 |
|--------------------|---------------|---------------------|----------|----------|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:39 2024 Page 1
ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-qbMoe3pl?0ocJ?2YRoVYXnrHasdOWheSN1fS6gzgthQ



Scale = 1:26.1



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|----------------------------|---------------|-----------------|
| TCLL 40.0 | 1-4-0 | TC 0.31 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.25 | Vert(LL) -0.05 14 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.45 | Vert(CT) -0.07 14 >999 360 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.01 10 n/a n/a | | |
| | Code IRC2021/TPI2014 | | | Weight: 81 lb | FT = 20%F, 11%E |

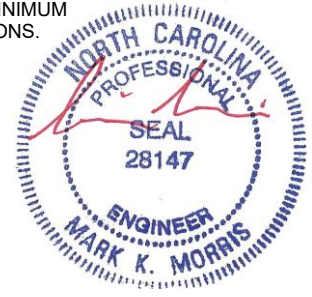
| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 17=396/0-5-4 (min. 0-1-8), 8=-347/0-8-0 (min. 0-1-8), 10=1095/0-5-4 (min. 0-1-8)
Max Uplift=409(LC 3)
Max Grav 17=397(LC 3), 10=1095(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-393/0, 8-18=0/415, 7-18=0/414, 1-2=-505/0, 2-3=-1110/0, 3-4=-1160/0, 4-5=-670/0, 5-6=0/358, 6-7=0/554
BOT CHORD 15-16=0/945, 14-15=0/1250, 13-14=0/1042, 12-13=0/1042, 11-12=0/291, 10-11=-1194/0, 9-10=-1204/0
WEBS 6-10=-1064/0, 1-16=0/599, 2-16=-537/0, 4-12=-452/0, 5-12=0/470, 5-11=-790/0, 6-11=0/954, 6-9=0/769, 7-9=-669/0

- NOTES-** (5-8)
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=409.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

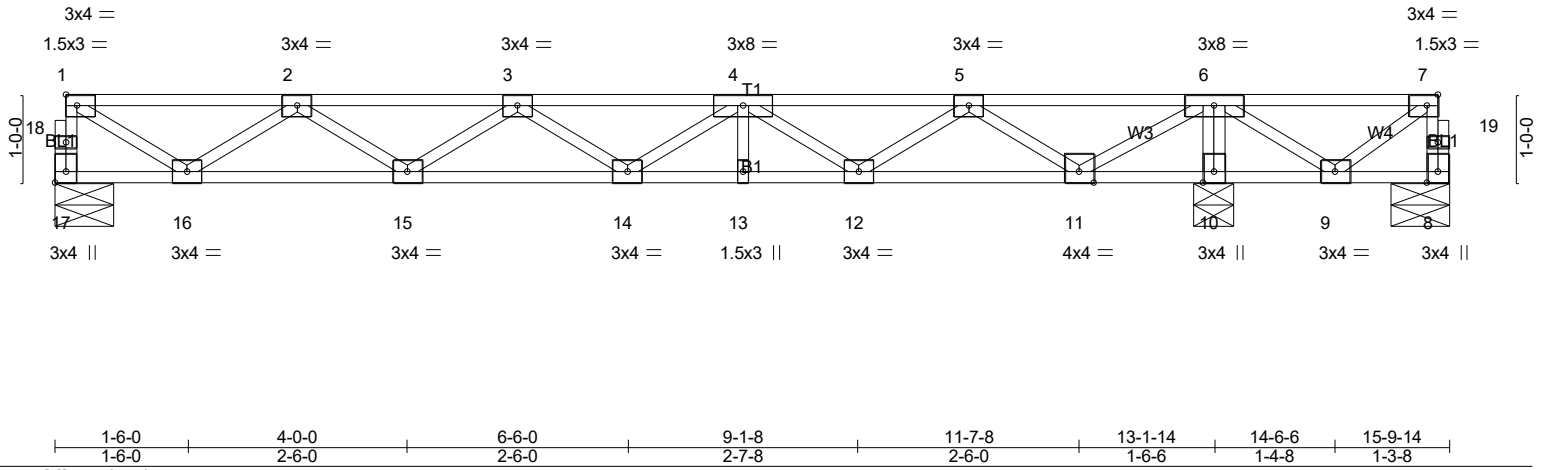


2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | | |
|--------------------|---------------|---------------------|----------|----------|--|---------|
| Job 24-1218-F01 | Truss F110 | Truss Type Floor | Qty 2 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | # 45878 |
|--------------------|---------------|---------------------|----------|----------|--|---------|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:40 2024 Page 1
ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-JnwBrPqNmJwTx8dk_V0n4?OSSGzGF9AcchO0f6zgzthP



| | | | | | | | | | |
|---|----------------------|----------------|----------------|----------------|-----------------|------------------|-----------------|------------------|-----------------|
| Plate Offsets (X,Y)-- [7:0-1-8,Edge], [17:Edge,0-1-8] | 1-6-0 1-6-0 | 4-0-0 2-6-0 | 6-6-0 2-6-0 | 9-1-8 2-7-8 | 11-7-8 2-6-0 | 13-1-14 1-6-6 | 14-6-6 1-4-8 | 15-9-14 1-3-8 | |
| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | | TC 0.30 | Vert(LL) -0.05 | 14 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | | BC 0.24 | Vert(CT) -0.07 | 14 | >999 | 360 | | |
| BCLL 0.0 | Rep Stress Incr YES | | WB 0.44 | Horz(CT) 0.01 | 10 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | Weight: 80 lb | FT = 20%F, 11%E |

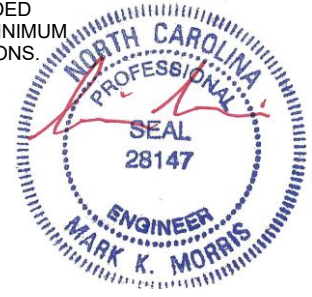
| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 17=390/0-7-14 (min. 0-1-8), 8=-341/0-8-0 (min. 0-1-8), 10=1085/0-5-4 (min. 0-1-8)
Max Uplift=403(LC 3)
Max Grav 17=390(LC 3), 10=1085(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-387/0, 1-18=-386/0, 8-19=0/408, 7-19=0/407, 1-2=-503/0, 2-3=-1098/0, 3-4=-1142/0, 4-5=-645/0, 5-6=0/387, 6-7=0/547
BOT CHORD 15-16=0/936, 14-15=0/1236, 13-14=0/1021, 12-13=0/1021, 11-12=0/261, 10-11=-1181/0, 9-10=-1187/0
WEBS 6-10=-1055/0, 1-16=0/571, 2-16=-529/0, 4-12=-458/0, 5-12=0/475, 5-11=-789/0, 6-11=0/917, 6-9=0/759, 7-9=-660/0

- NOTES-** (5-8)
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=403.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

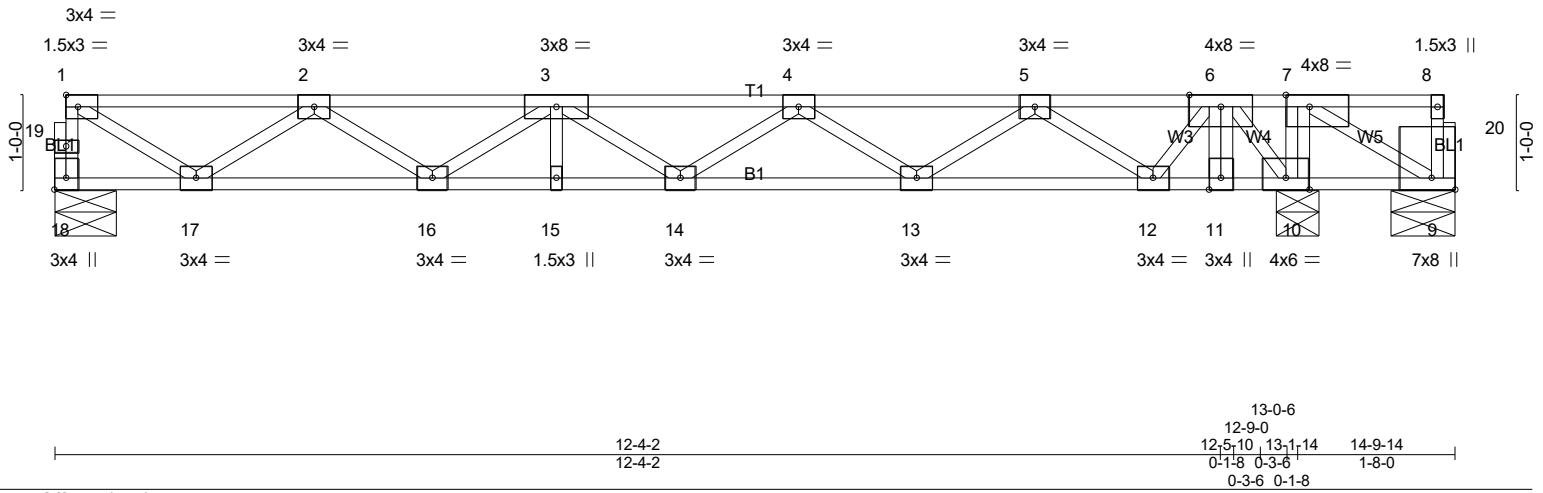
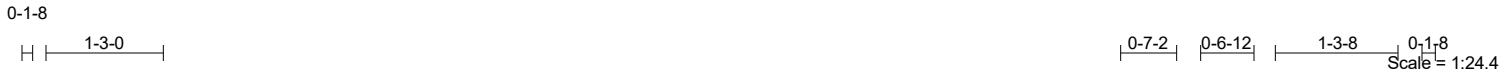


2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F111 | Floor | 3 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:41 2024 Page 1
 ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-nzUZ3lr?Xd2KZICwYcX0cCwb3gI9_WNlrL8ZBYzghO



| LOADING (psf) | SPACING- | 1-4-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP | |
|---------------|----------------------|-------|-----------|----------|----------|--------|------|---------------|-----------------|---------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.44 | Vert(LL) | -0.05 | 15 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.29 | Vert(CT) | -0.08 | 14 | >999 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.82 | Horz(CT) | 0.01 | 10 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | |
| | | | | | | | | Weight: 78 lb | FT = 20%F, 11%E | |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

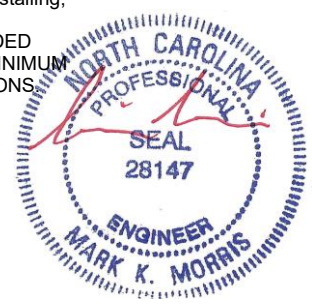
REACTIONS. (lb/size) 18=415/0-7-14 (min. 0-1-8), 9=-834/0-8-0 (min. 0-1-8), 10=2215/0-5-4 (min. 0-1-8)
 Max Uplift 9=-871(LC 3)
 Max Grav 18=415(LC 3), 10=2215(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 18-19=-411/0, 1-19=-410/0, 1-2=-542/0, 2-3=-1204/0, 3-4=-1313/0, 4-5=-890/0, 6-7=0/1504
 BOT CHORD 16-17=0/1010, 15-16=0/1383, 14-15=0/1383, 13-14=0/1224, 12-13=0/535, 11-12=-412/59, 10-11=-412/59, 9-10=-1504/0
 WEBS 7-10=-980/0, 7-9=0/1728, 1-17=0/616, 2-17=-572/0, 4-13=-408/0, 5-13=0/434, 5-12=-710/0, 6-12=0/573, 6-10=-1608/0

- NOTES-** (6-9)
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=871.
 - Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

| |
|--|
| 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 |
| Uniform Loads (plf) |
| Vert: 9-18=-7, 1-8=-67 |
| Concentrated Loads (lb) |
| Vert: 6=-735 |
| 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 |
| Uniform Loads (plf) |
| Vert: 9-18=-7, 1-8=-67 |



Continued on Page 2 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F111 | Floor | 3 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:41 2024 Page 2
 ID:XfGBr?_CJqttCkF9NOQCWjycQDJ-nzUZ3lr?Xd2KZICwYCX0cCwb3gl9_WNlrL8ZBYzghO

LOAD CASE(S) Standard

- Concentrated Loads (lb)
Vert: 6=-735
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-67, 7-8=-13
Concentrated Loads (lb)
Vert: 6=-735
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-13, 7-8=-67
Concentrated Loads (lb)
Vert: 6=-735
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-67, 7-8=-13
Concentrated Loads (lb)
Vert: 6=-735
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-13, 7-8=-67
Concentrated Loads (lb)
Vert: 6=-735

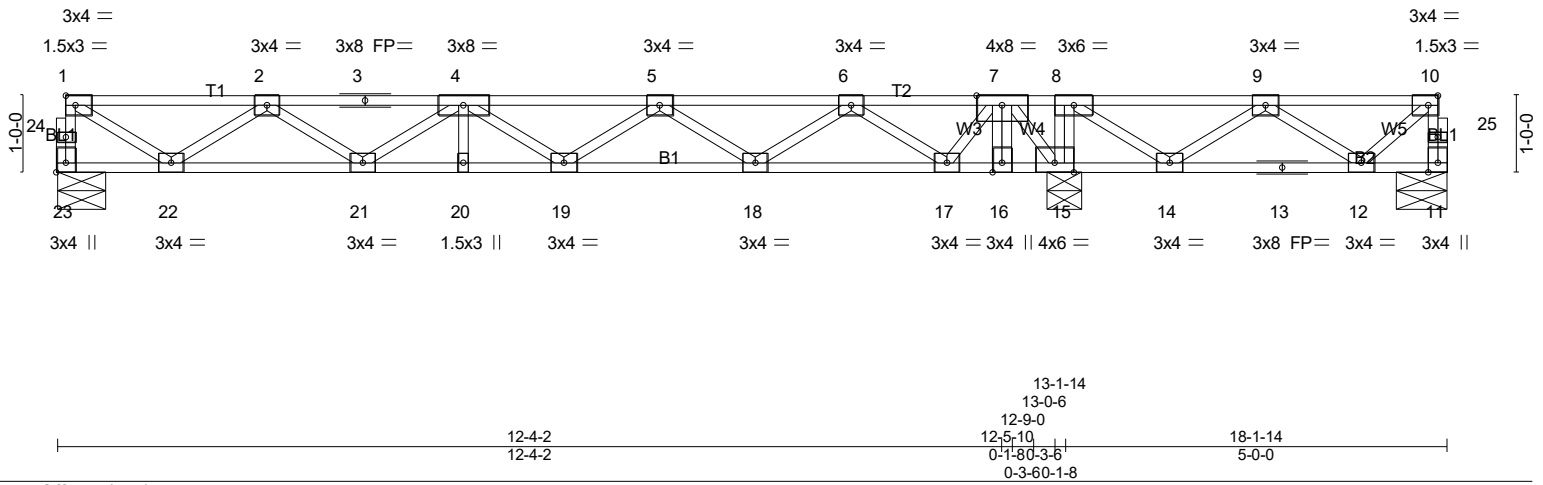


2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F112 | Floor | 6 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:42 2024 Page 1
 ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-FA2xG5sdlxABASn76w2F9QTkx3eTj4fu3?t6j_zgthN



| | | | | | |
|--|-----------------------|-------------|----------------------------------|---------------|-----------------|
| Plate Offsets (X,Y)-- [10:0-1-8,Edge], [23:Edge,0-1-8] | | | | | |
| LOADING (psf) | SPACING- 1-4-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.49 | Vert(LL) -0.05 20 >999 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.29 | Vert(CT) -0.08 19 >999 360 | | |
| BCLL 0.0 | Rep Stress Incr NO | WB 0.37 | Horz(CT) 0.01 15 n/a n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | | |
| | | | | Weight: 94 lb | FT = 20%F, 11%E |

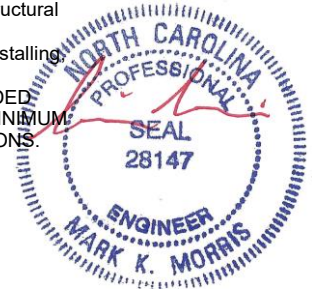
| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 23=407/0-7-14 (min. 0-1-8), 11=-125/0-8-0 (min. 0-1-8), 15=1757/0-5-4 (min. 0-1-8)
 Max Uplift 11=-244(LC 3)
 Max Grav 23=410(LC 3), 11=30(LC 4), 15=1757(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 23-24=-407/0, 1-24=-406/0, 1-2=-535/0, 2-3=-1185/0, 3-4=-1185/0, 4-5=-1281/0, 5-6=-846/0, 7-8=0/1598, 8-9=0/1106, 9-10=0/289
 BOT CHORD 21-22=0/997, 20-21=0/1358, 19-20=0/1358, 18-19=0/1186, 17-18=0/484, 16-17=-512/0, 15-16=-512/0, 14-15=-1598/0, 13-14=-675/0, 12-13=-675/0
 WEBS 8-15=-530/0, 8-14=0/694, 9-14=-651/0, 9-12=0/471, 10-12=-372/0, 1-22=0/608, 2-22=-564/0, 5-18=-420/0, 6-18=0/446, 6-17=-725/0, 7-17=0/581, 7-15=-1638/0

- NOTES-** (6-9)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=244.
 - 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 11-23=-7, 1-10=-67
 Concentrated Loads (lb)
 Vert: 7=-735



Continued on Page 2 Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F112 | Floor | 6 | 1 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:42 2024 Page 2
ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-FA2xG5sdlxABASn76w2F9QTkx3eTj4fu3?T6j_zgthN

LOAD CASE(S) Standard

- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 11-23=-7, 1-10=-67
 - Concentrated Loads (lb)
 - Vert: 7=-735
- 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 11-23=-7, 1-8=-67, 8-10=-13
 - Concentrated Loads (lb)
 - Vert: 7=-735
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 11-23=-7, 1-8=-13, 8-10=-67
 - Concentrated Loads (lb)
 - Vert: 7=-735
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 11-23=-7, 1-8=-67, 8-10=-13
 - Concentrated Loads (lb)
 - Vert: 7=-735
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 11-23=-7, 1-8=-13, 8-10=-67
 - Concentrated Loads (lb)
 - Vert: 7=-735



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

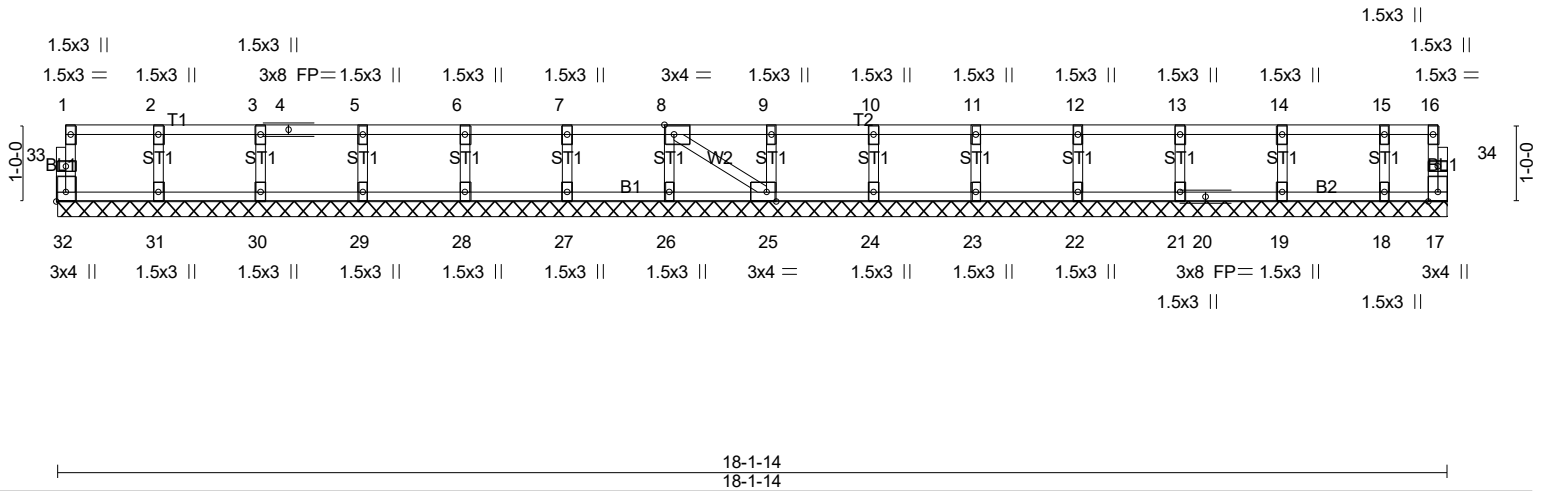
| | | | | | |
|-------------|-------|-----------------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F113 | Floor Supported Gable | 1 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:43 2024 Page 1
 ID:XfGBr?_CJqtCkF9NOQCWjycQDjJMcJURsG3EI2ocLJgdZUH00TT13ScF2fdgFRzghM

0-1-8

0-1-8

Scale = 1:30.1



| Plate Offsets (X,Y)-- [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8] | | | | | |
|--|-----------------------|-------------|----------------------------------|---------------|-----------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.06 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.01 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.03 | Horz(CT) 0.00 17 n/a n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | | |
| | | | | Weight: 74 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |
| OTHERS 2x4 SP No.3(flat) | |

REACTIONS. All bearings 18-1-14.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 19, 18

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

- NOTES-** (5-8)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|-----------------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F114 | Floor Supported Gable | 1 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:45 2024 Page 1
 ID:XfGBr?_CJqtCk9NOQCWjycQDJ-flk4v7uWbsYm1wVhn2cyn25MwHjXwWjLiz6nKJz9thK

0₁8

Scale = 1:20.9

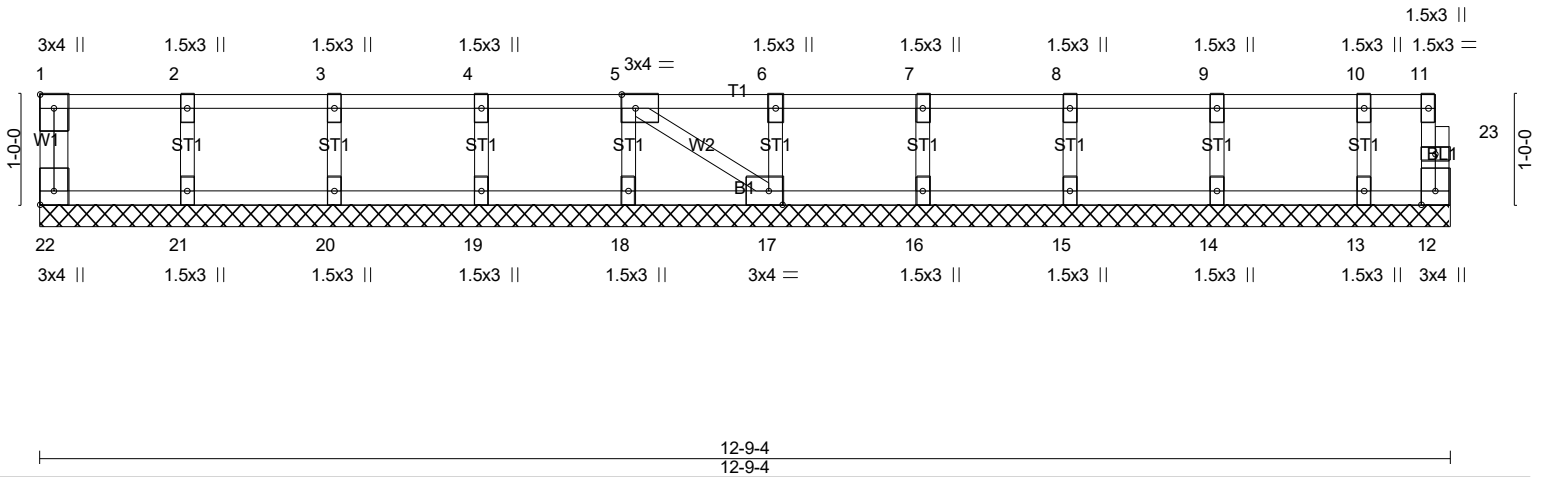


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 12 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | Weight: 54 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

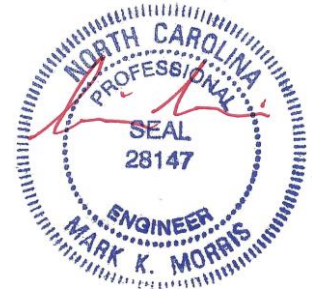
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-9-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- NOTES-** (6-9)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F115 | Floor | 5 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:45 2024 Page 1
 ID:XfGBr?_CJqtCk9NOQCWjycQDJ-flk4v7uWbsYm1wVhn2cyn25HqHctwOxLlz6nKJzgtHk

1-3-0

1-4-0 0-1-8

Scale = 1:21.6

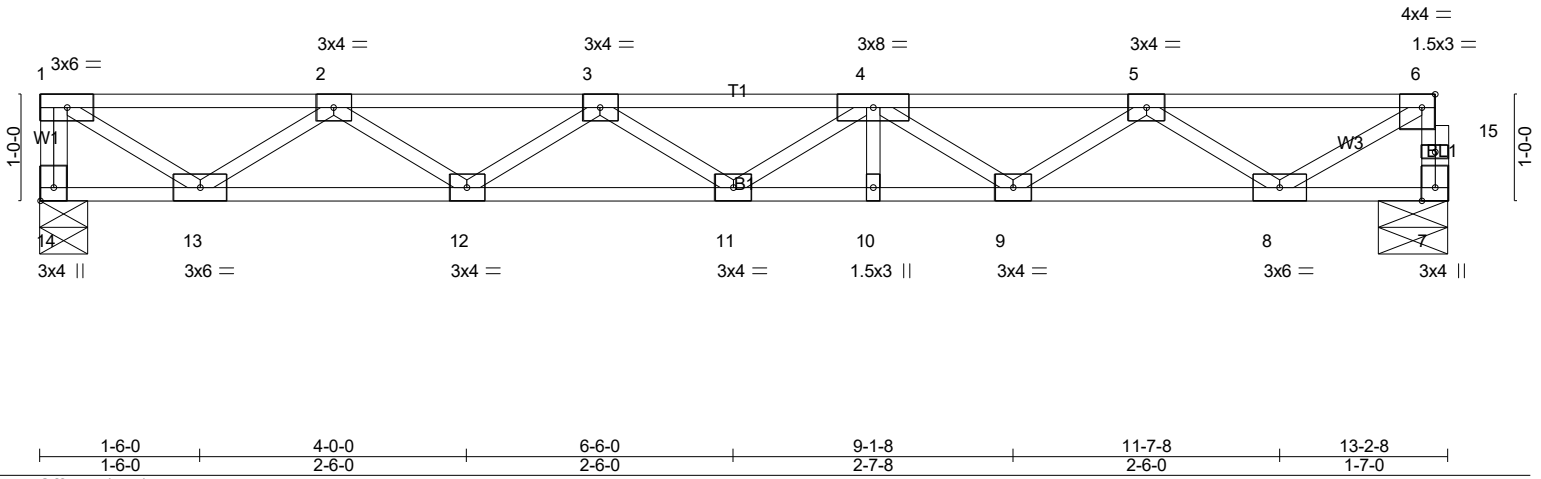


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [14:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|-------|-------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.32 | Vert(LL) | -0.12 | 11 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.50 | Vert(CT) | -0.17 | 11 | >927 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.53 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | |
| | | | | | | | | | Weight: 66 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

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. (lb/size) 14=713/0-5-4 (min. 0-1-8), 7=706/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-706/0, 7-15=-701/0, 6-15=-699/0, 1-2=-941/0, 2-3=-2181/0, 3-4=-2588/0, 4-5=-2205/0, 5-6=-994/0
 BOT CHORD 12-13=0/1767, 11-12=0/2558, 10-11=0/2585, 9-10=0/2585, 8-9=0/1809
 WEBS 1-13=0/1115, 2-13=-1009/0, 2-12=0/505, 3-12=-461/0, 4-9=-457/0, 5-9=0/483, 5-8=-996/0, 6-8=0/1114

- NOTES-** (3-6)
- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 2) CAUTION, Do not erect truss backwards.
 - 3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 6) SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

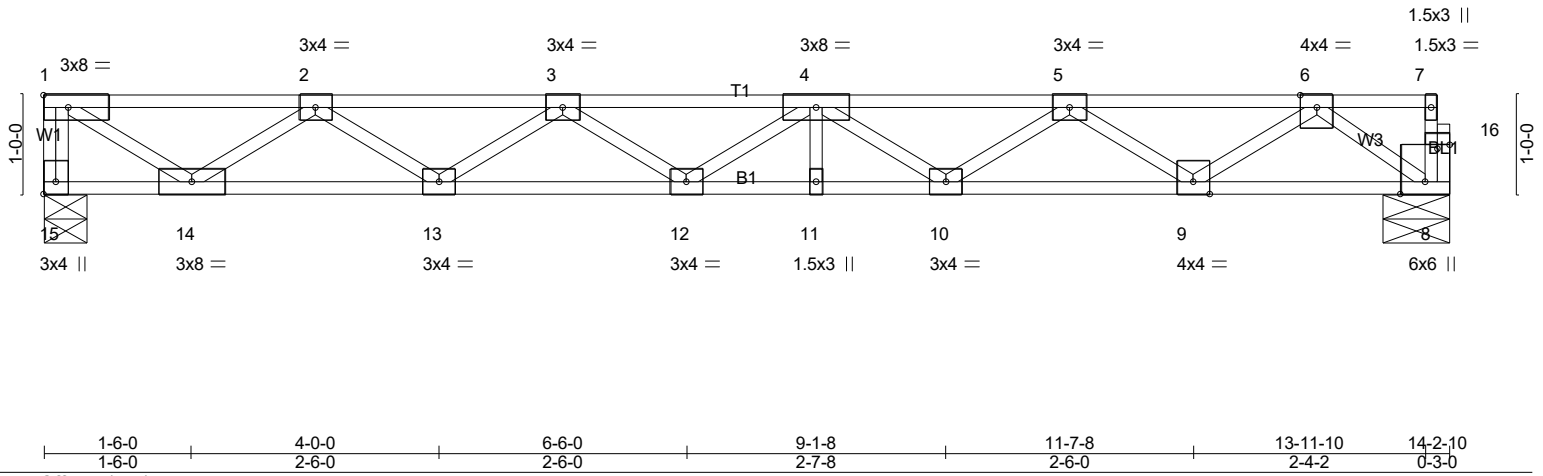
| | | | | | | |
|--------------------|---------------|---------------------|----------|----------|--|---------|
| Job 24-1218-F01 | Truss F116 | Truss Type Floor | Qty 3 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | # 45878 |
|--------------------|---------------|---------------------|----------|----------|--|---------|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:46 2024 Page 1
ID:XfGBr?_CJqtCk9NOQCWjycQDJ-7xIS6Sv8M9gdf34uLm7BJGeS3hwjfqQU_drKsmzgtHJ

1-3-0

1-1-2 0-1-8

Scale = 1:23.3



| | | | | | | |
|---|----------------------|----------------|-------------------------------|-----------------|-------------------|-------------------------------|
| 1-6-0 1-6-0 | 4-0-0 2-6-0 | 6-6-0 2-6-0 | 9-1-8 2-7-8 | 11-7-8 2-6-0 | 13-11-10 2-4-2 | 14-2-10 0-3-0 |
| Plate Offsets (X,Y)-- [15:Edge,0-1-8], [16:0-1-8,0-0-8] | | | | | | |
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP | |
| TCLL 40.0 | 2-0-0 | TC 0.36 | in (loc) l/defl L/d | MT20 | 244/190 | |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.59 | Vert(LL) -0.16 11-12 >999 480 | | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.58 | Vert(CT) -0.22 11-12 >753 360 | | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.04 8 n/a n/a | | | |
| | Code IRC2021/TPI2014 | | | | | Weight: 71 lb FT = 20%F, 11%E |

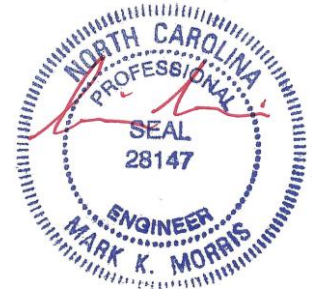
| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 15=768/0-5-4 (min. 0-1-8), 8=762/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-761/0, 1-2=-1027/0, 2-3=-2425/0, 3-4=-2992/0, 4-5=-2765/0, 5-6=-1743/0
BOT CHORD 13-14=0/1933, 12-13=0/2881, 11-12=0/3075, 10-11=0/3075, 9-10=0/2439, 8-9=0/1008
WEBS 1-14=0/1218, 2-14=-1106/0, 2-13=0/600, 3-13=-556/0, 4-10=-372/0, 5-10=0/398, 5-9=-850/0, 6-9=0/897, 6-8=-1239/0

- NOTES-** (3-6)
- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 2) CAUTION, Do not erect truss backwards.
 - 3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 6) SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | | |
|--------------------|---------------|---------------------|----------|----------|--|---------|
| Job 24-1218-F01 | Truss F117 | Truss Type FLOOR | Qty 1 | Ply 2 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | # 45878 |
|--------------------|---------------|---------------------|----------|----------|--|---------|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:48 2024 Page 1
ID:XFGBR?_CJqtCkF9NOQCWjycQDJ-4KPCX8wOunxLuNEGSB9fOhjq7UaA7gYnSxKRxezghH



Scale = 1:26.8

PLACE 7 SDW SCREWS CENTERED AT JOINT 10 SPACED AT 4" O.C. IN THE UPPER TOP CHORD
PLACE 2 SDW SCREWS CENTERED AT JOINT 10 SPACED AT 4" O.C. IN THE LOWER TOP CHORD
PLACE 1 SDW SCREW EVERY 48" ALONG THE TOP CHORD

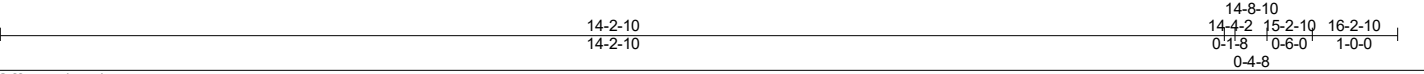
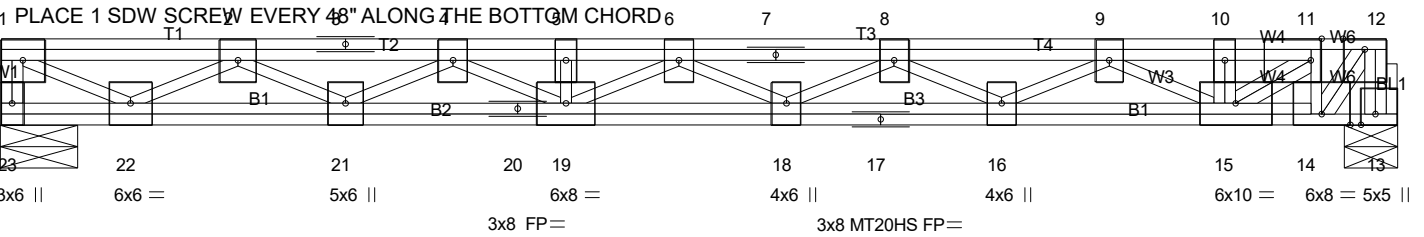


Plate Offsets (X,Y)-- [11:0-1-8,Edge], [13:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-----------|----------|----------|--------|------|----------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.26 | Vert(LL) | -0.09 | 18-19 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.71 | Vert(CT) | -0.30 | 18 | >634 | MT20HS | 187/143 |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.86 | Horz(CT) | 0.05 | 13 | n/a | | |
| BCDL 5.0 | Rep Stress Incr NO | Matrix-SH | | | | | | |
| | Code IRC2021/TPI2014 | | | | | | | |
| | | | | | | | Weight: 258 lb | FT = 20%F, 11%E |

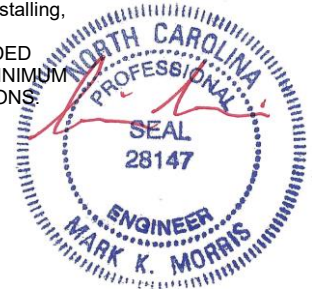
| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 23=1399/0-10-10 (min. 0-1-8), 13=4951/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-1373/0, 12-13=-4941/0, 1-2=-2297/0, 2-3=-5960/0, 3-4=-5960/0, 4-5=-8774/0, 5-6=-8774/0, 6-7=-10560/0, 7-8=-10560/0, 8-9=-11492/0, 9-10=-11222/0, 10-11=-10965/0, 11-12=-5288/0
BOT CHORD 21-22=0/4371, 20-21=0/7504, 19-20=0/7504, 18-19=0/9869, 17-18=0/11233, 16-17=0/11233, 15-16=0/11633, 14-15=0/5285
WEBS 11-14=-4563/0, 1-22=0/2616, 2-22=-2419/0, 2-21=0/1853, 4-21=-1801/0, 4-19=0/1463, 6-19=-1261/0, 6-18=0/806, 8-18=-785/0, 8-16=0/302, 9-15=-467/0, 11-15=0/7218, 10-15=-4436/0, 12-14=0/7101

- NOTES- (6-9)
- 1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-23=-10, 1-12=-100
Concentrated Loads (lb)
Vert: 10=-4600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00



2/26/2024

Continued on Page 2
Design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F117 | FLOOR | 1 | 2 | Job Reference (optional) # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:48 2024 Page 2
 ID:XfGBr?_CJqtCkF9NOQCWjycQDJ-4KPCX8wOunxLuNEGSB9fOhjq7UaA7gYnSxKRxezghH

LOAD CASE(S) Standard
 Uniform Loads (plf)
 Vert: 13-23=-10, 1-12=-100
 Concentrated Loads (lb)
 Vert: 10=-4600



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D’Onofrio Drive, Madison, WI 53719.

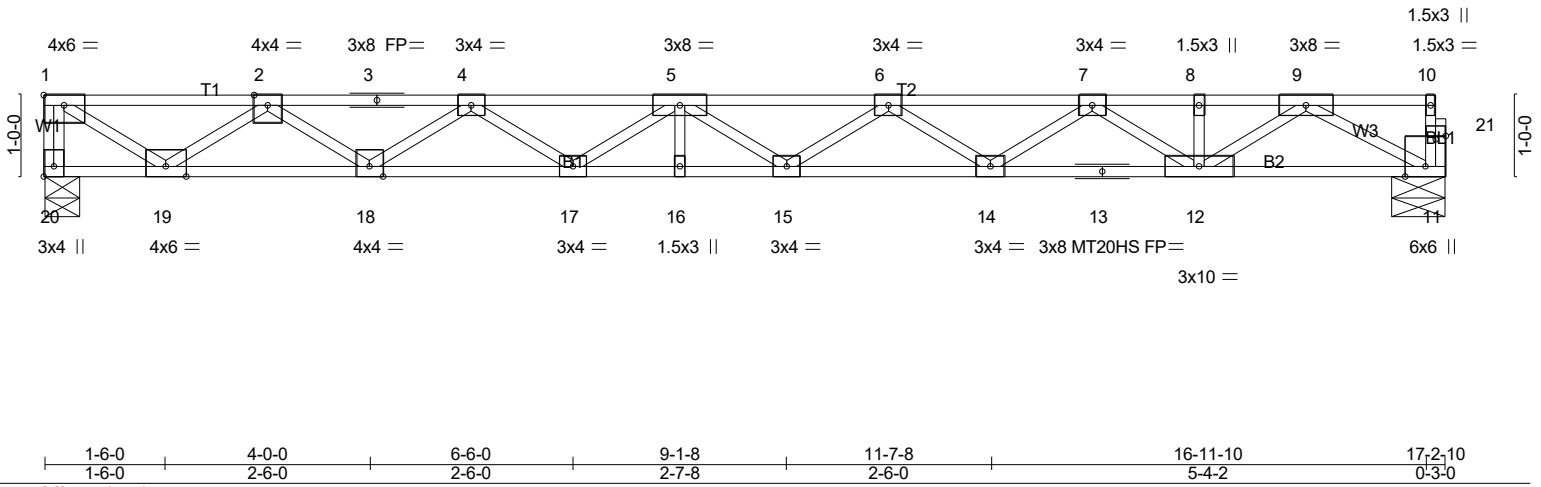
| | | | | | |
|-------------|-------|------------|-----|-----|--|
| Job | Truss | Truss Type | Qty | Ply | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC |
| 24-1218-F01 | F118 | Floor | 5 | 1 | # 45878 |

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:49 2024 Page 1
 ID:XFGBr?_CJqtCk9NOQCWjycQDJ-YWzakUx0e43CWxpT0uguxuGviut9s9uwgb4_T5zghG

1-3-0

1-5-10 0-1-8

Scale = 1:28.3



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.59 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.86 | Vert(LL) -0.34 15-16 >592 480 | MT20HS | 187/143 |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.73 | Vert(CT) -0.47 15-16 >431 360 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.07 11 n/a n/a | | |
| | Code IRC2021/TPI2014 | | | Weight: 86 lb | FT = 20%F, 11%E |

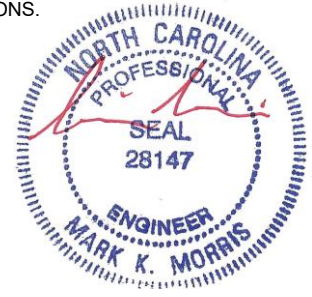
| LUMBER- | BRACING- |
|-----------------------------|--|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 20=933/0-5-4 (min. 0-1-8), 11=927/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-20=-925/0, 1-2=-1285/0, 2-3=-3151/0, 3-4=-3151/0, 4-5=-4186/0, 5-6=-4451/0, 6-7=-3895/0, 7-8=-2565/0, 8-9=-2565/0
 BOT CHORD 18-19=0/2425, 17-18=0/3841, 16-17=0/4515, 15-16=0/4515, 14-15=0/4359, 13-14=0/3398, 12-13=0/3398, 11-12=0/1546
 WEBS 1-19=0/1523, 2-19=-1392/0, 2-18=0/886, 4-18=-842/0, 4-17=0/421, 5-17=-395/0, 6-14=-566/0, 7-14=0/607, 7-12=-1002/0, 9-12=0/1224, 9-11=-1758/0

- NOTES- (4-7)
- All plates are MT20 plates unless otherwise indicated.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|--------------------|---------------|-------------------------------------|----------|----------|--|
| Job 24-1218-F01 | Truss F119 | Truss Type Floor Supported Gable | Qty 1 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 45878 |
|--------------------|---------------|-------------------------------------|----------|----------|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:50 2024 Page 1
ID:XfGBr?_CJqtCkf9NOQCWjycQDJ-0iXzyqyfPOB38hOfabB7U6oDgIQibnz4vFpY?XzgtHf

0-1-8

Scale = 1:28.3

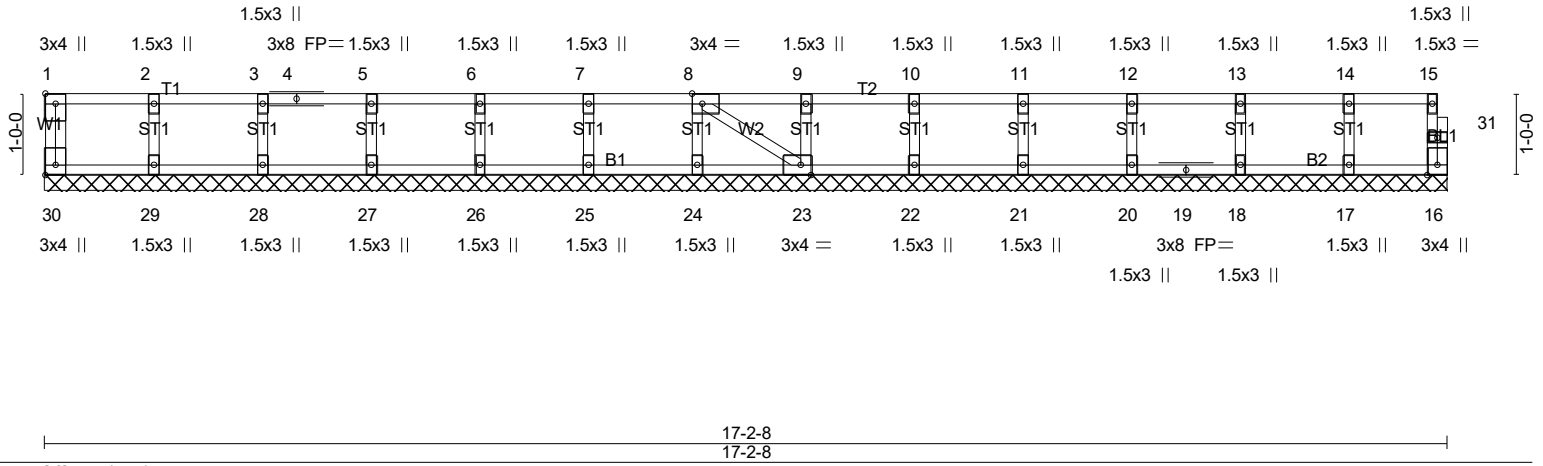


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [23:0-1-8,Edge], [30:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|-----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 16 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | |
| | | | | | | | | Weight: 71 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

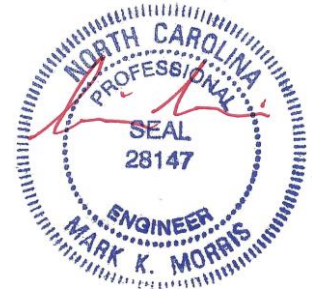
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-2-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

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

- NOTES-** (6-9)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | | |
|--------------------|---------------|-------------------------------------|----------|----------|--|--|
| Job 24-1218-F01 | Truss F120 | Truss Type Floor Supported Gable | Qty 2 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | Job Reference (optional) # 45878 |
|--------------------|---------------|-------------------------------------|----------|----------|--|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:51 2024 Page 1
ID: XfGBr7_6_4g1tCk9NOQCWjycQD-J-Uv5L9AzHAIjvrzr8JjM0JLOUimtKE9D8vZ5XzgzthE

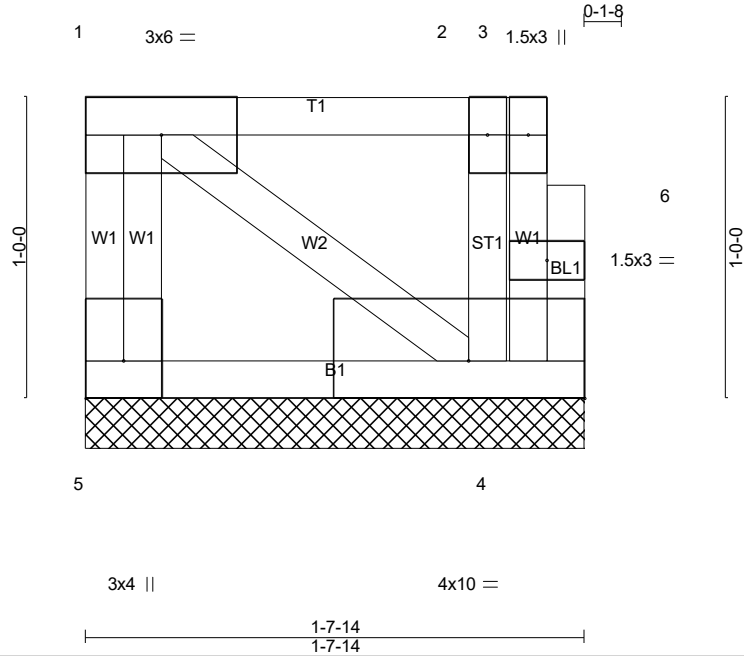


Plate Offsets (X,Y)-- [4:Edge,0-1-8], [5:Edge,0-1-8]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.04 | Horz(CT) | 0.00 | 4 | n/a | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-P | | | | | | |
| | Code IRC2021/TPI2014 | | | | | | Weight: 12 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|--|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 1-7-14 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |
| OTHERS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 5=74/1-7-14 (min. 0-1-8), 4=74/1-7-14 (min. 0-1-8)

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

NOTES- (6-9)

- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION. Do not erect truss backwards.
- Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

| | | | | | | |
|--------------------|---------------|-------------------------------------|----------|----------|--|--|
| Job 24-1218-F01 | Truss F121 | Truss Type Floor Supported Gable | Qty 1 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC | Job Reference (optional) # 45878 |
|--------------------|---------------|-------------------------------------|----------|----------|--|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:51 2024 Page 1
ID:XFGBr?_CJqtCk9NOQCWjycQDJ-Uv5L9AzHAiJvirzr8JjM0JL0dimyKEID8vZ5XzgzthE

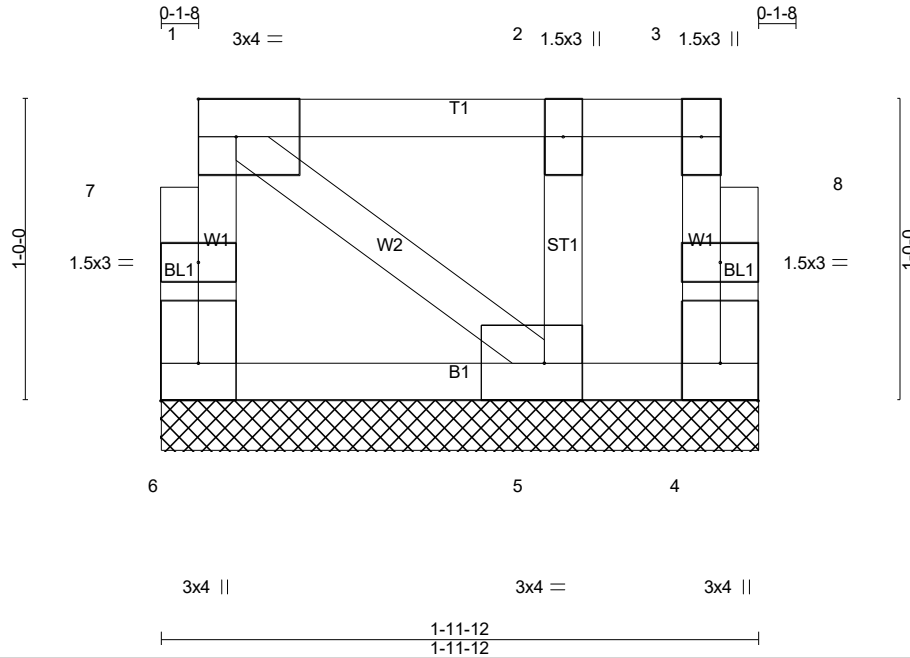


Plate Offsets (X,Y)-- [4:Edge,0-1-8], [5:0-1-8,Edge], [6:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|------|-------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.05 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | Weight: 12 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 6=49/1-11-12 (min. 0-1-8), 4=-2/1-11-12 (min. 0-1-8), 5=131/1-11-12 (min. 0-1-8)
Max Uplift4=-2(LC 1)

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

- NOTES-** (6-9)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1'-4" oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 4.
 - Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| | | | | | |
|--------------------|---------------|-------------------------------------|----------|----------|--|
| Job 24-1218-F01 | Truss F122 | Truss Type Floor Supported Gable | Qty 1 | Ply 1 | LOT 0.0043 HONEYCUTT HILLS 150 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 45878 |
|--------------------|---------------|-------------------------------------|----------|----------|--|

Run: 86.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Feb 27 17:41:52 2024 Page 1
ID:XfGBr?_CJqtCk9NOQCWjycQDJ-y5fjNWzvx?RmN?X2h0EbZxIz956A3hSNMYIe4PzghD

Scale = 1:13.8

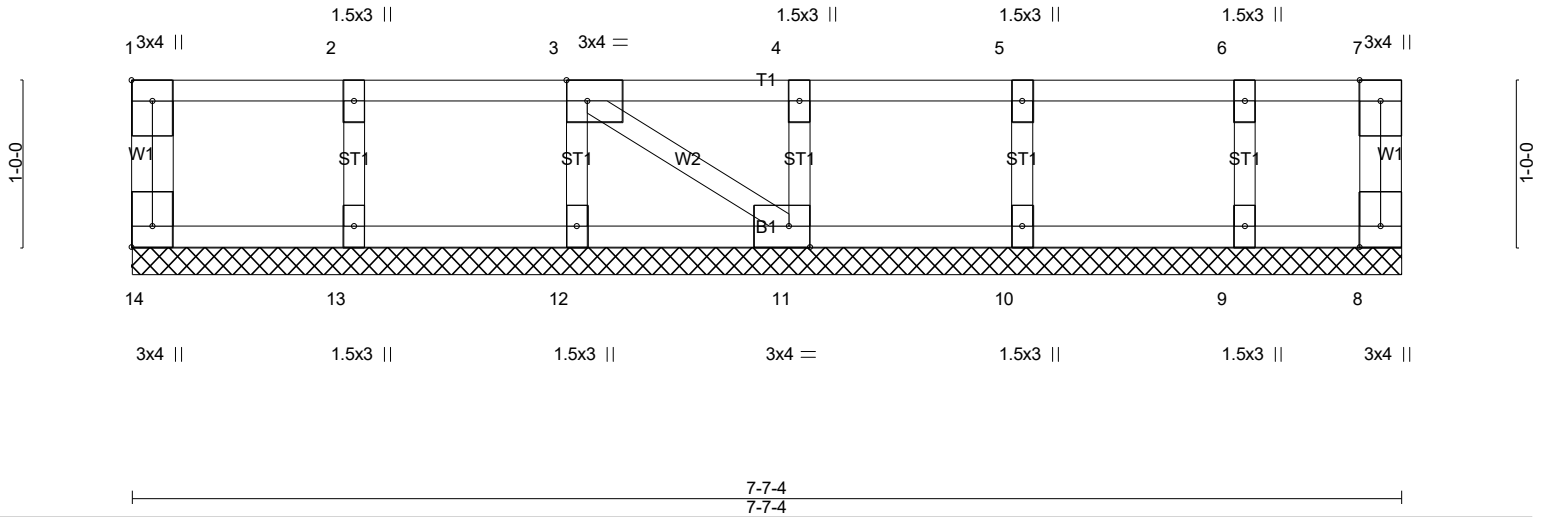


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | -0.00 | 8 | n/a | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | Weight: 35 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-7-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

- NOTES-** (5-8)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/26/2024

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D*Onofrio Drive, Madison, WI 53719.

