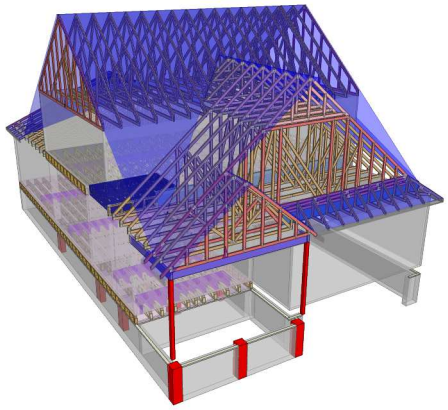
Carter Sanford Component Plant
298 Harvey Faulk Rd
Sanford, NC 27332

Phone #:919-775-1450



# Builder: HH HUNT
# Model: LOT 54MA

THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.
2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.
3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.
4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.
5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.
6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.
7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.
8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.

**Apprved by:** _____ **Date:** _____

## General Notes:

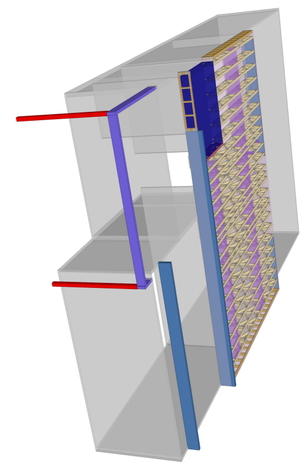
** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

** ALL POINT LOADS FROM ABOVE MUST BE TRANSFERRED TO BEARING FROM UNDER SIDE OF SHEATHING.

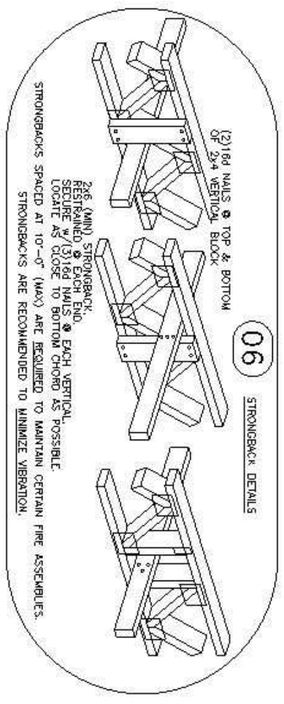
** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.

** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.

** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

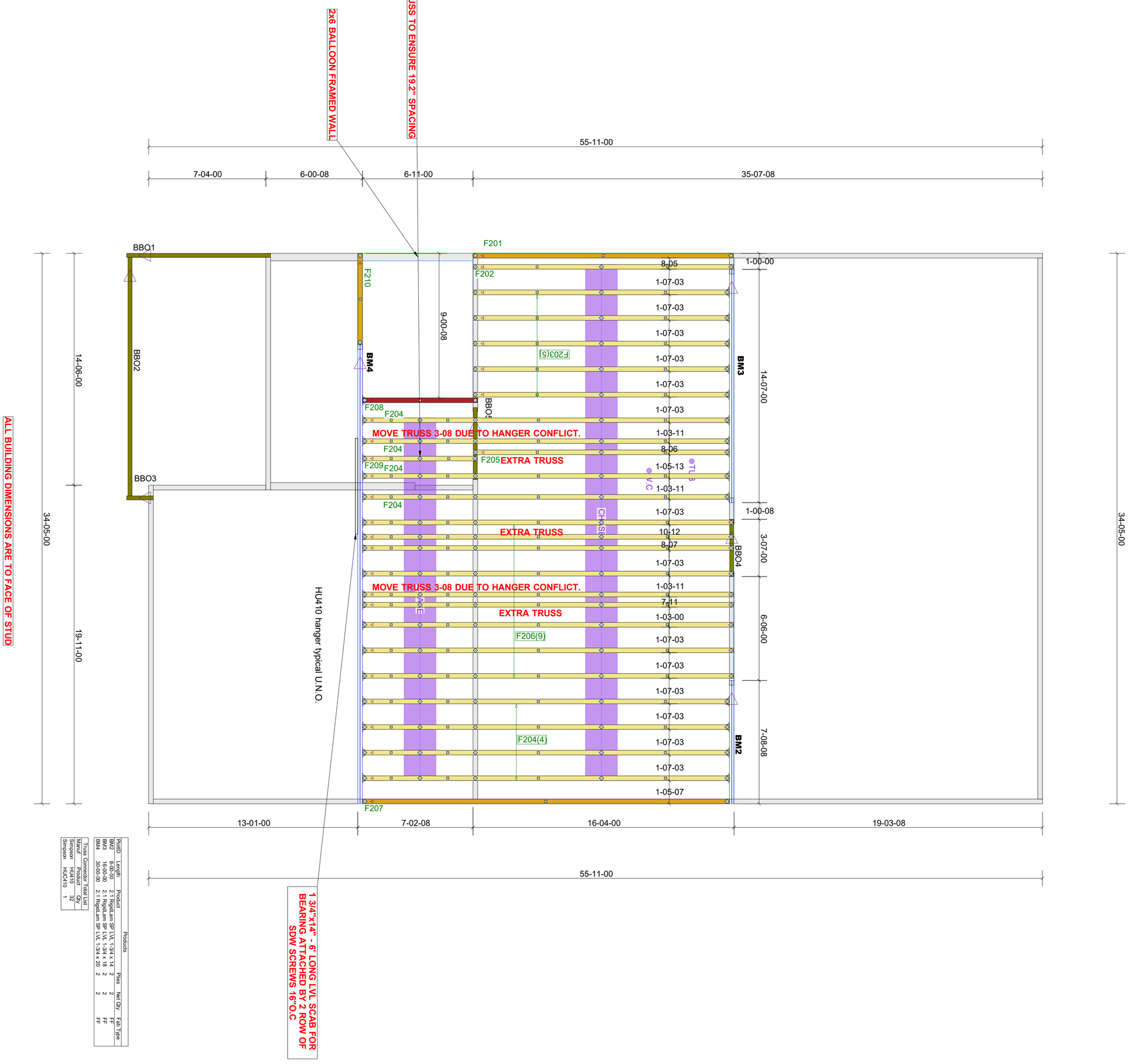


Truss Drawing Left End Indicator




PRELIMINARY - NOT FOR CONSTRUCTION

ALL BUILDING DIMENSIONS ARE TO FACE OF STUD




| Truss Connector Total List | | |
|---|---|---|
| Manuf | Product | Qty |
| Simpson | HU410 | 32 |
| Simpson | HUC410 | 1 |

| Products | | | | | |
|---|---|---|---|---|---|
| ProdID | Length | Product | Plies | Net Qty | Fab Type |
| BM2 | 8-00-00 | 2.1 RigidLam SP LVL 1-3/4 x 14 | 2 | 2 | FF |
| BM3 | 16-00-00 | 2.1 RigidLam SP LVL 1-3/4 x 18 | 2 | 2 | FF |
| BM4 | 30-00-00 | 2.1 RigidLam SP LVL 1-3/4 x 20 | 2 | 2 | FF |

** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.

| | |
|---|---|
| Scale: | NTS |
| Date: | 6/11/2025 |
| Designer: | TL |
| Project Number: | 2506054 |
| Sheet Number: | 2/3 |

**HH HUNT**

**LOT 54MA**

**2ND FLOOR TRUSS PLACEMENT PLAN**

CARTER Lumber

**THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.** These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179

| Revisions | |
|---|---|
| 00/00/00 | Name |
| 00/00/00 | Name |
| 00/00/00 | Name |
| 00/00/00 | Name |
| 00/00/00 | Name |

ENGINEERING BY
TRENCO
A MiTek Affiliate

**Trenco**
818 Soundside Rd
Edenton, NC 27932

Re: 25060054-A
54 Magnolia Acers-2nd Floor-Taylor BB RH FL

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I74128809 thru I74128818

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844

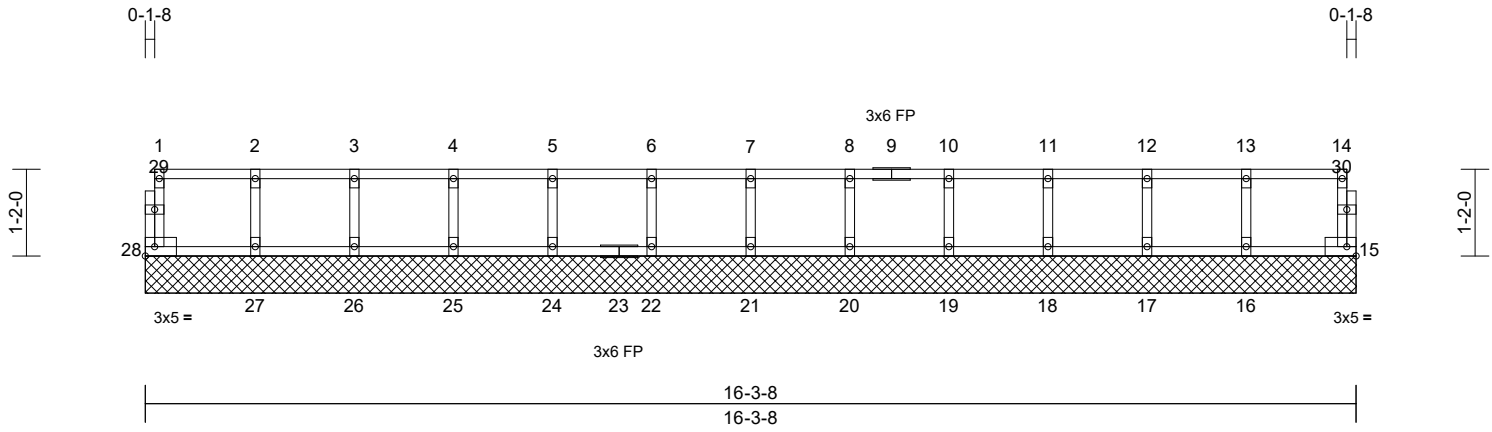

June 12,2025

Gilbert, Eric

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

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F201 | Floor Supported Gable | 1 | 1 | I74128809 Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332, Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:05 Page: 1
ID:vSSiwKEc0hRwTJJ1EKZg2xz7seo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f




Scale = 1:31

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.01 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horiz(TL) | 0.00 | 15 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-R | | | | | | | Weight: 68 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 15=16-3-8, 16=16-3-8, 17=16-3-8, 18=16-3-8, 19=16-3-8, 20=16-3-8, 21=16-3-8, 22=16-3-8, 24=16-3-8, 25=16-3-8, 26=16-3-8, 27=16-3-8, 28=16-3-8
Max Grav 15=53 (LC 1), 16=121 (LC 1), 17=117 (LC 1), 18=117 (LC 1), 19=117 (LC 1), 20=117 (LC 1), 21=117 (LC 1), 22=117 (LC 1), 24=117 (LC 1), 25=117 (LC 1), 26=117 (LC 1), 27=121 (LC 1), 28=53 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-28=-48/0, 14-15=-48/0, 1-2=-11/0, 2-3=-11/0, 3-4=-11/0, 4-5=-11/0, 5-6=-11/0, 6-7=-11/0, 7-8=-11/0, 8-10=-11/0, 10-11=-11/0, 11-12=-11/0, 12-13=-11/0, 13-14=-11/0
BOT CHORD 27-28=0/11, 26-27=0/11, 25-26=0/11, 24-25=0/11, 22-24=0/11, 21-22=0/11, 20-21=0/11, 19-20=0/11, 18-19=0/11, 17-18=0/11, 16-17=0/11, 15-16=0/11
WEBS 7-21=-107/0, 6-22=-107/0, 5-24=-107/0, 4-25=-107/0, 3-26=-106/0, 2-27=-110/0, 8-20=-107/0, 10-19=-107/0, 11-18=-107/0, 12-17=-106/0, 13-16=-110/0

**NOTES**
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SP No.2 .
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025

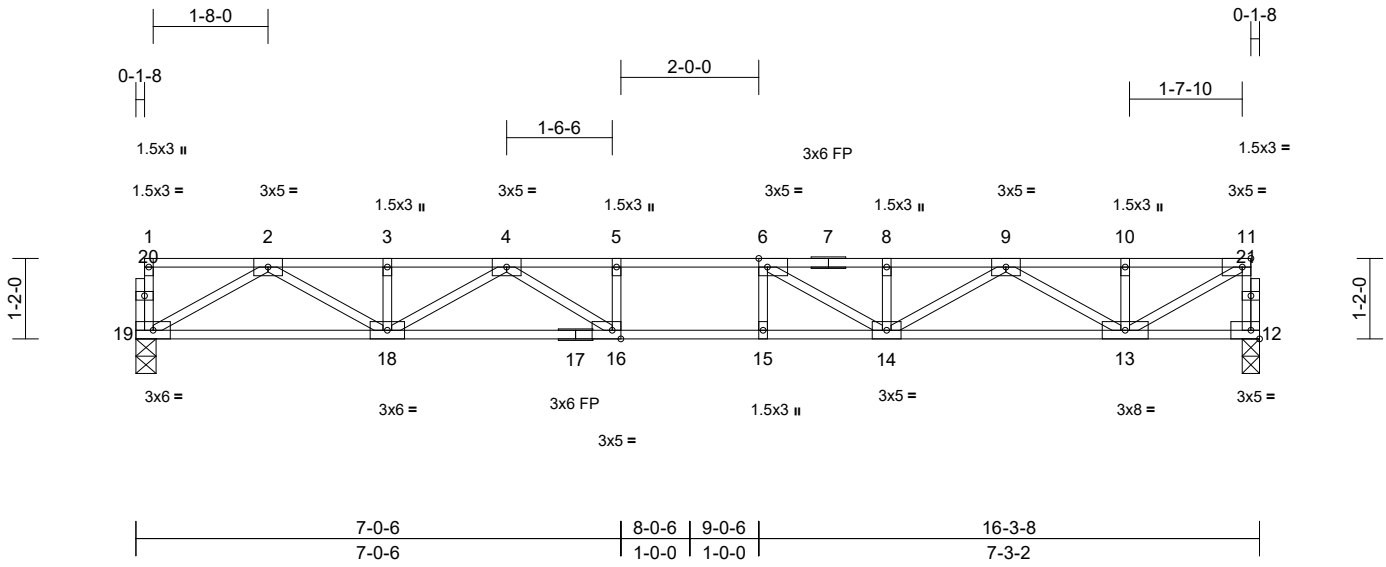


ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F202 | Floor | 1 | 1 | I74128810<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:06 Page: 1
ID:g1aFrq1kZ7l2bCkQBIdNVhz7nKC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f




Scale = 1:33.4

Plate Offsets (X, Y): [6:0-1-8,Edge], [11:0-1-8,Edge], [16:0-1-8,Edge]

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.53 | Vert(LL) | -0.19 | 15-16 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.89 | Vert(CT) | -0.26 | 15-16 | >749 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 82 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 12=0-3-0, 19=0-3-8
Max Grav 12=700 (LC 1), 19=700 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-19=-57/0, 11-12=-696/0, 1-2=-3/0, 2-3=-1878/0, 3-4=-1878/0, 4-5=-2681/0, 5-6=-2681/0, 6-8=-2413/0, 8-9=-2413/0, 9-10=-1117/0, 10-11=-1117/0
BOT CHORD 18-19=0/1088, 16-18=0/2392, 15-16=0/2681, 14-15=0/2681, 13-14=0/1876, 12-13=0/42
WEBS 5-16=-214/0, 6-15=-73/84, 2-19=-1254/0, 2-18=0/922, 3-18=-137/0, 4-18=-600/0, 4-16=0/546, 6-14=-562/16, 8-14=-189/35, 9-14=0/627, 9-13=-885/0, 10-13=-160/0, 11-13=0/1250

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SP No.2 .
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025



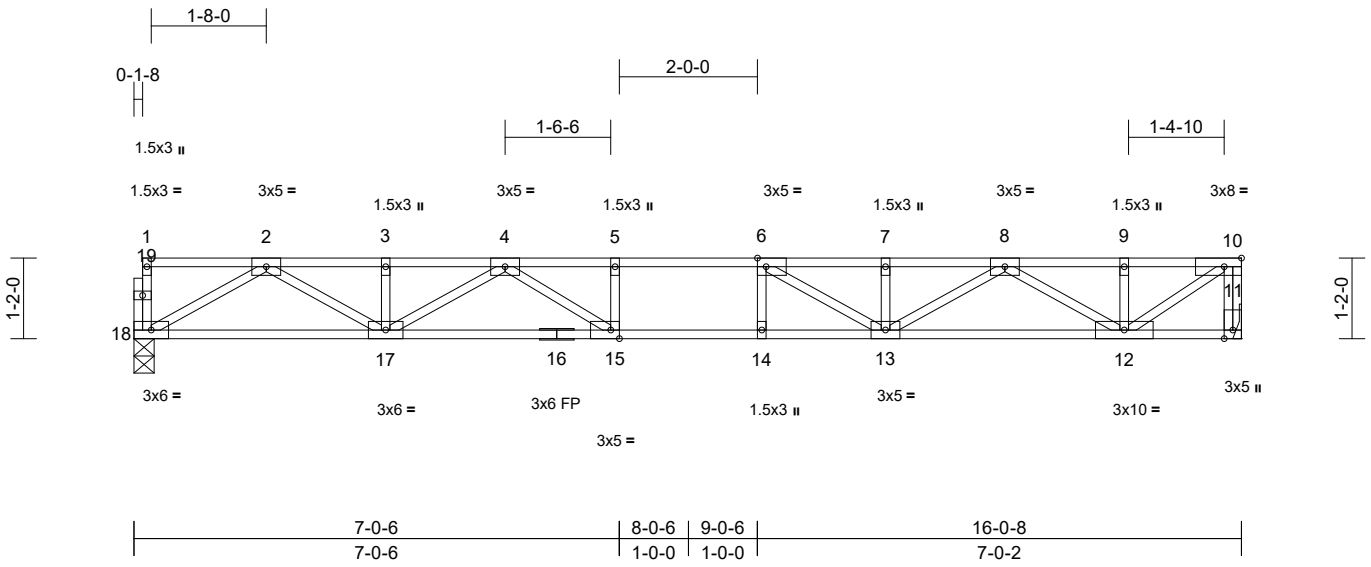
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F203 | Floor | 5 | 1 | I74128811 Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:06 ID:svhAcG4WXBF?s3gUL1p4tiz7sdi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f






Scale = 1:33.4

Plate Offsets (X, Y): [6:0-1-8,Edge], [10:0-3-0,Edge], [15:0-1-8,Edge]

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.49 | Vert(LL) | -0.18 | 15-17 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.84 | Vert(CT) | -0.24 | 15-17 | >778 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.55 | Horz(CT) | 0.05 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 82 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 11= Mechanical, 18=0-3-8
Max Grav 11=694 (LC 1), 18=689 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-57/0, 10-11=-690/0, 1-2=-3/0, 2-3=-1842/0, 3-4=-1842/0, 4-5=-2599/0, 5-6=-2599/0, 6-7=-2297/0, 7-8=-2297/0, 8-9=-966/0, 9-10=-966/0
BOT CHORD 17-18=0/1070, 15-17=0/2337, 14-15=0/2599, 13-14=0/2599, 12-13=0/1746, 11-12=0/0
WEBS 5-15=-205/0, 6-14=-65/88, 2-18=-1233/0, 2-17=0/901, 3-17=-136/0, 4-17=-578/0, 4-15=0/518, 6-13=-581/0, 7-13=-183/38, 8-13=0/644, 8-12=-910/0, 9-12=-150/0, 10-12=0/1158

**LOAD CASE(S)** Standard

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) Bearings are assumed to be: Joint 18 SP No.2 .
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.


June 12,2025



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

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F204 | Floor | 8 | 1 | I74128812<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
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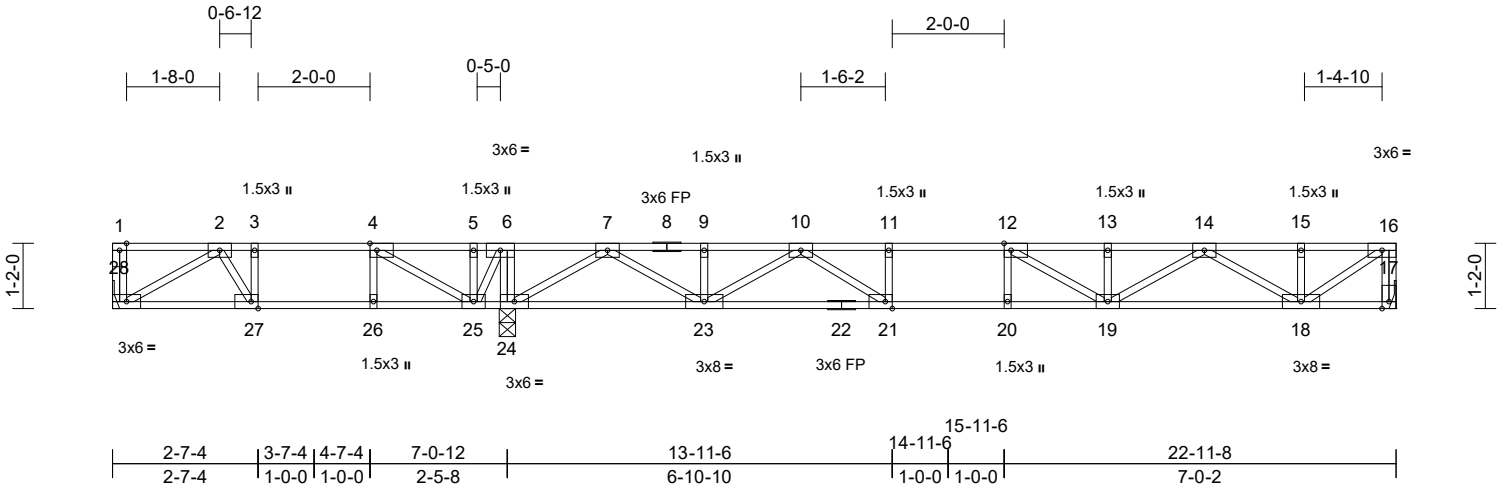


Scale = 1:41.2

Plate Offsets (X, Y): [4:0-1-8,Edge], [12:0-1-8,Edge], [21:0-1-8,Edge], [27:0-1-8,Edge]

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.76 | Vert(LL) | -0.17 | 19-20 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.88 | Vert(CT) | -0.23 | 19-20 | >833 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.04 | 17 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 118 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 17= Mechanical, 24=0-3-8, 28= Mechanical
Max Uplift 28=-34 (LC 4)
Max Grav 17=646 (LC 7), 24=1179 (LC 1), 28=263 (LC 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-28=-59/0, 16-17=-641/0, 1-2=0/0, 2-3=-343/259, 3-4=-343/259, 4-5=0/704, 5-6=0/704, 6-7=0/854, 7-9=-1275/0, 9-10=-1275/0, 10-11=-2231/0, 11-12=-2231/0, 12-13=-2075/0, 13-14=-2075/0, 14-15=-892/0, 15-16=-892/0
BOT CHORD 27-28=-115/325, 26-27=-259/343, 25-26=-259/343, 24-25=-854/0, 23-24=0/428, 21-23=0/1851, 20-21=0/2231, 19-20=0/2231, 18-19=0/1592, 17-18=0/0
WEBS 3-27=-33/193, 4-26=0/121, 6-24=-449/0, 11-21=-235/0, 12-20=-88/46, 2-28=-376/133, 2-27=-279/35, 4-25=-802/0, 5-25=-67/151, 6-25=0/334, 7-24=-1302/0, 7-23=0/1010, 9-23=-149/0, 10-23=-697/0, 10-21=0/602, 12-19=-396/82, 13-19=-198/11, 14-19=0/564, 14-18=-817/0, 15-18=-151/0, 16-18=0/1069

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 24 SP No.2 .
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 28.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
8) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


June 12,2025



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

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F205 | Floor | 1 | 1 | I74128813<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
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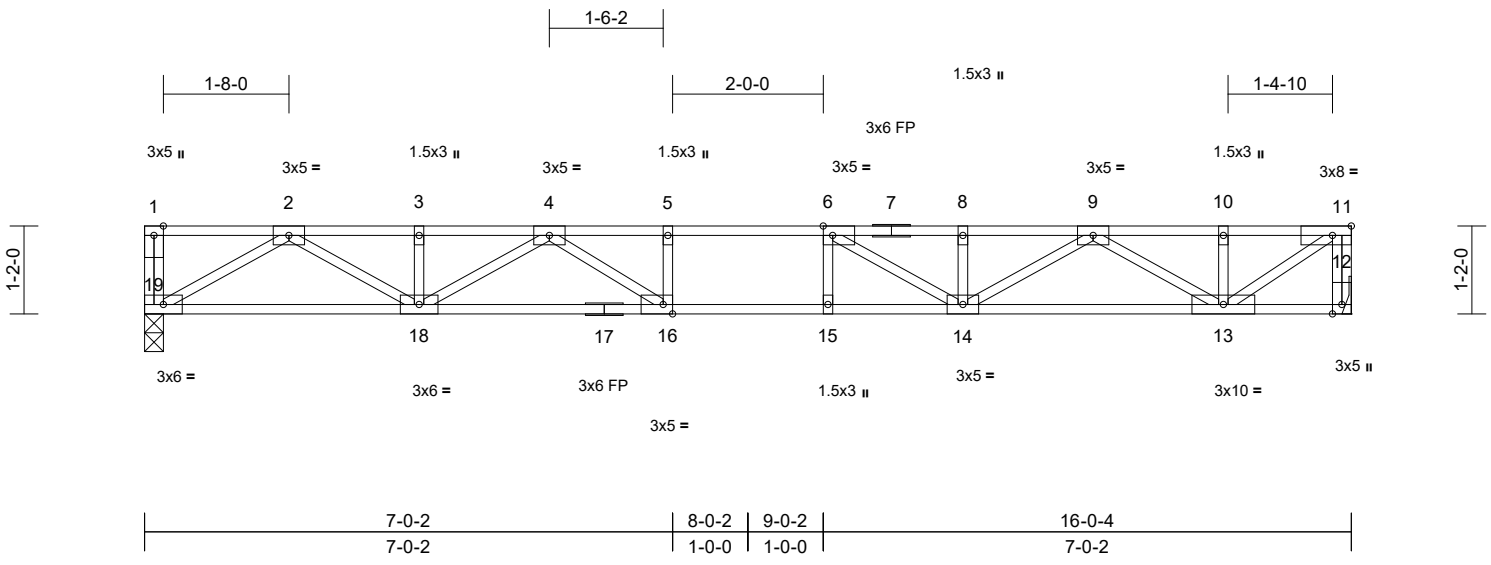



Scale = 1:30.6

Plate Offsets (X, Y): [6:0-1-8,Edge], [11:0-3-0,Edge], [16:0-1-8,Edge]

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.49 | Vert(LL) | -0.18 | 16-18 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.84 | Vert(CT) | -0.24 | 16-18 | >785 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.55 | Horz(CT) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 82 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 12= Mechanical, 19=0-3-0
Max Grav 12=693 (LC 1), 19=693 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-19=-59/0, 11-12=-689/0, 1-2=0/0, 2-3=-1838/0, 3-4=-1838/0, 4-5=-2592/0, 5-6=-2592/0, 6-8=-2293/0, 8-9=-2293/0, 9-10=-964/0, 10-11=-964/0
BOT CHORD 18-19=0/1070, 16-18=0/2332, 15-16=0/2592, 14-15=0/2592, 13-14=0/1743, 12-13=0/0
WEBS 5-16=-206/0, 6-15=-65/87, 2-19=-1237/0, 2-18=0/897, 3-18=-135/0, 4-18=-577/0, 4-16=0/516, 6-14=-578/0, 8-14=-183/38, 9-14=0/642, 9-13=-909/0, 10-13=-150/0, 11-13=0/1157

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Bearings are assumed to be: Joint 19 SP No.2 .
4) Refer to girder(s) for truss to truss connections.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025

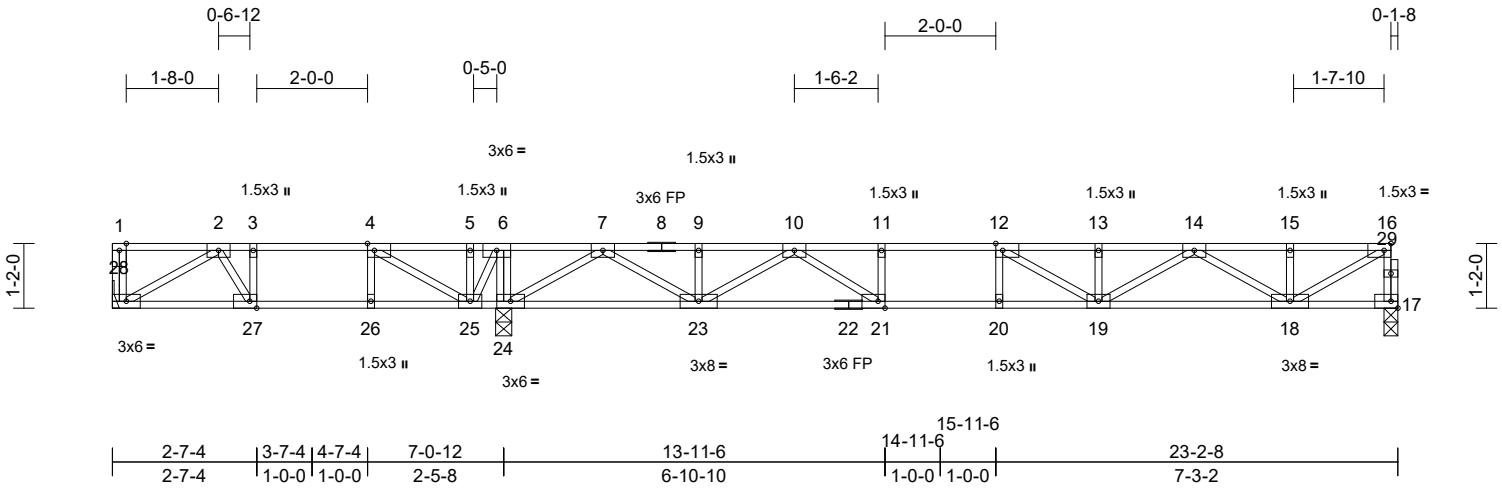


ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F206 | Floor | 9 | 1 | I74128814<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
ID:4_SiQwk0sUmNZEcTOODN_uz7sXh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f




Scale = 1:41.6

Plate Offsets (X, Y): [4:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,Edge], [21:0-1-8,Edge], [27:0-1-8,Edge]

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.78 | Vert(LL) | -0.18 | 19-20 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.93 | Vert(CT) | -0.25 | 19-20 | >774 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.55 | Horz(CT) | 0.04 | 17 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 119 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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 2-2-0 oc bracing.

**REACTIONS** (size) 17=0-3-0, 24=0-3-8, 28= Mechanical
Max Uplift 28=-37 (LC 4)
Max Grav 17=651 (LC 7), 24=1193 (LC 1), 28=262 (LC 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-28=-59/0, 16-17=-646/0, 1-2=0/0, 2-3=-340/269, 3-4=-340/269, 4-5=0/723, 5-6=0/723, 6-7=0/873, 7-9=-1293/0, 9-10=-1293/0, 10-11=-2297/0, 11-12=-2297/0, 12-13=-2176/0, 13-14=-2176/0, 14-15=-1031/0, 15-16=-1031/0

BOT CHORD 27-28=-121/324, 26-27=-269/340, 25-26=-269/340, 24-25=-873/0, 23-24=0/427, 21-23=0/1889, 20-21=0/2297, 19-20=0/2297, 18-19=0/1708, 17-18=0/39

WEBS 3-27=-31/199, 4-26=0/123, 6-24=-450/0, 11-21=-245/0, 12-20=-96/42, 2-28=-374/140, 2-27=-288/33, 4-25=-813/0, 5-25=-66/154, 6-25=0/334, 7-24=-1323/0, 7-23=0/1032, 9-23=-151/0, 10-23=-720/0, 10-21=0/633, 12-19=-377/118, 13-19=-204/8, 14-19=0/546, 14-18=-791/0, 15-18=-161/0, 16-18=0/1153

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 24 SP No.2 , Joint 17 SP No.2 .
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 28.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
8) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


June 12,2025



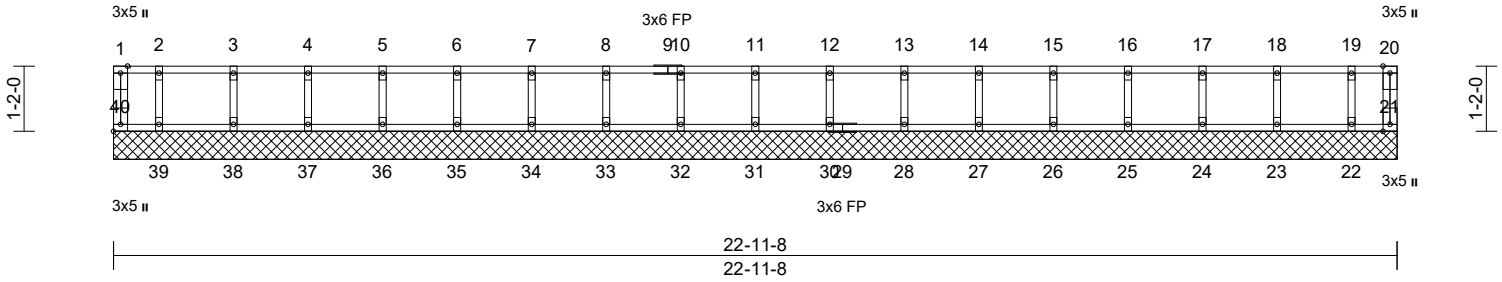
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F207 | Floor Supported Gable | 1 | 1 | I74128815<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 ID:88Op7s75KJoqO92dG6otHez7sXB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f






Scale = 1:41.2

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

| Loading | (psf) | Spacing | 1-7-3 | 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(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horiz(TL) | 0.00 | 21 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-R | | | | | | | Weight: 97 lb | FT = 20%F, 11%E |

**LUMBER**

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 21=22-11-8, 22=22-11-8, 23=22-11-8, 24=22-11-8, 25=22-11-8, 26=22-11-8, 27=22-11-8, 28=22-11-8, 30=22-11-8, 31=22-11-8, 32=22-11-8, 33=22-11-8, 34=22-11-8, 35=22-11-8, 36=22-11-8, 37=22-11-8, 38=22-11-8, 39=22-11-8, 40=22-11-8
Max Grav 21=17 (LC 1), 22=99 (LC 1), 23=121 (LC 1), 24=116 (LC 1), 25=118 (LC 1), 26=117 (LC 1), 27=117 (LC 1), 28=117 (LC 1), 30=117 (LC 1), 31=117 (LC 1), 32=117 (LC 1), 33=117 (LC 1), 34=117 (LC 1), 35=117 (LC 1), 36=118 (LC 1), 37=116 (LC 1), 38=121 (LC 1), 39=99 (LC 1), 40=17 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-40=-16/0, 20-21=-16/0, 1-2=-1/0, 2-3=-1/0, 3-4=-1/0, 4-5=-1/0, 5-6=-1/0, 6-7=-1/0, 7-8=-1/0, 8-10=-1/0, 10-11=-1/0, 11-12=-1/0, 12-13=-1/0, 13-14=-1/0, 14-15=-1/0, 15-16=-1/0, 16-17=-1/0, 17-18=-1/0, 18-19=-1/0, 19-20=-1/0

BOT CHORD 39-40=0/1, 38-39=0/1, 37-38=0/1, 36-37=0/1, 35-36=0/1, 34-35=0/1, 33-34=0/1, 32-33=0/1, 31-32=0/1, 30-31=0/1, 28-30=0/1, 27-28=0/1, 26-27=0/1, 25-26=0/1, 24-25=0/1, 23-24=0/1, 22-23=0/1, 21-22=0/1

WEBS 11-31=-107/0, 10-32=-107/0, 8-33=-107/0, 7-34=-107/0, 6-35=-107/0, 5-36=-107/0, 4-37=-106/0, 3-38=-110/0, 2-39=-90/0, 12-30=-107/0, 13-28=-107/0, 14-27=-107/0, 15-26=-107/0, 16-25=-107/0, 17-24=-106/0, 18-23=-110/0, 19-22=-90/0

**NOTES**

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SP No.2 .
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025

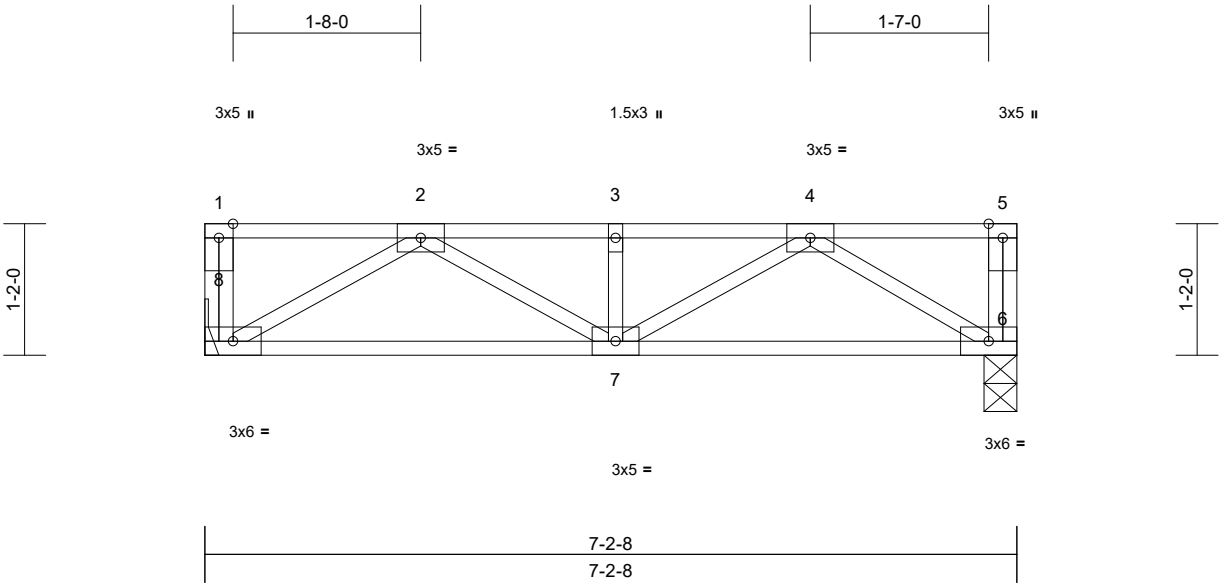


ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F208 | Floor | 1 | 1 | I74128816<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
ID:VNj7INOu84Zi1XksZjB1AGz7sWr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f




Scale = 1:20.5

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.15 | Vert(LL) | -0.01 | 7 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.18 | Vert(CT) | -0.02 | 7-8 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.11 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-P | | | | | | | Weight: 39 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 6=0-3-8, 8= Mechanical
Max Grav 6=306 (LC 1), 8=306 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-58/0, 5-6=-54/0, 1-2=0/0, 2-3=-534/0, 3-4=-534/0, 4-5=0/0
BOT CHORD 7-8=0/408, 6-7=0/394
WEBS 2-8=-471/0, 2-7=0/148, 3-7=-127/0, 4-7=0/163, 4-6=-462/0

**NOTES**
1) Bearings are assumed to be: , Joint 6 SP No.2 .
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025

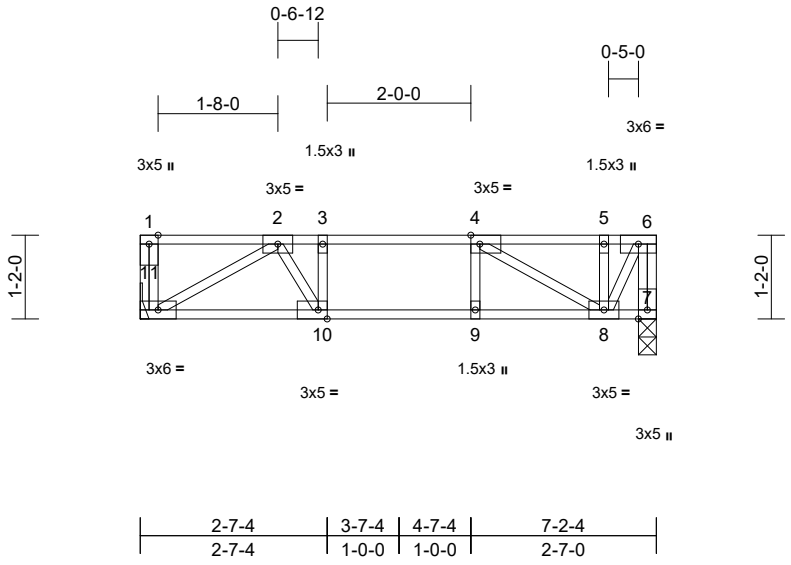


ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F209 | Floor | 1 | 1 | I74128817<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
ID:_pFkQXz5tHvLonyAZvVv_Rz7nHi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f




Scale = 1:32.1

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

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.22 | Vert(LL) | -0.02 | 10-11 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.20 | Vert(CT) | -0.02 | 10-11 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.17 | Horz(CT) | 0.00 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | | | Weight: 40 lb | FT = 20%F, 11%E |

**LUMBER**
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(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** (size) 7=0-3-0, 11= Mechanical
Max Grav 7=305 (LC 1), 11=305 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=-61/0, 6-7=-305/0, 1-2=0/0, 2-3=-485/0, 3-4=-485/0, 4-5=-176/0, 5-6=-176/0
BOT CHORD 10-11=0/406, 9-10=0/485, 8-9=0/485, 7-8=0/0
WEBS 3-10=-170/0, 4-9=-7/37, 2-11=-470/0, 2-10=0/241, 4-8=-357/0, 5-8=-130/19, 6-8=0/351

**NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) Bearings are assumed to be: , Joint 7 SP No.2 .
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard


June 12,2025



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

| Job | Truss | Truss Type | Qty | Ply | 54 Magnolia Acers-2nd Floor-Taylor BB RH FL |
|---|---|---|---|---|---|
| 25060054-A | F210 | Floor Supported Gable | 1 | 1 | I74128818<br>Job Reference (optional) |

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Jun 11 09:25:07 Page: 1
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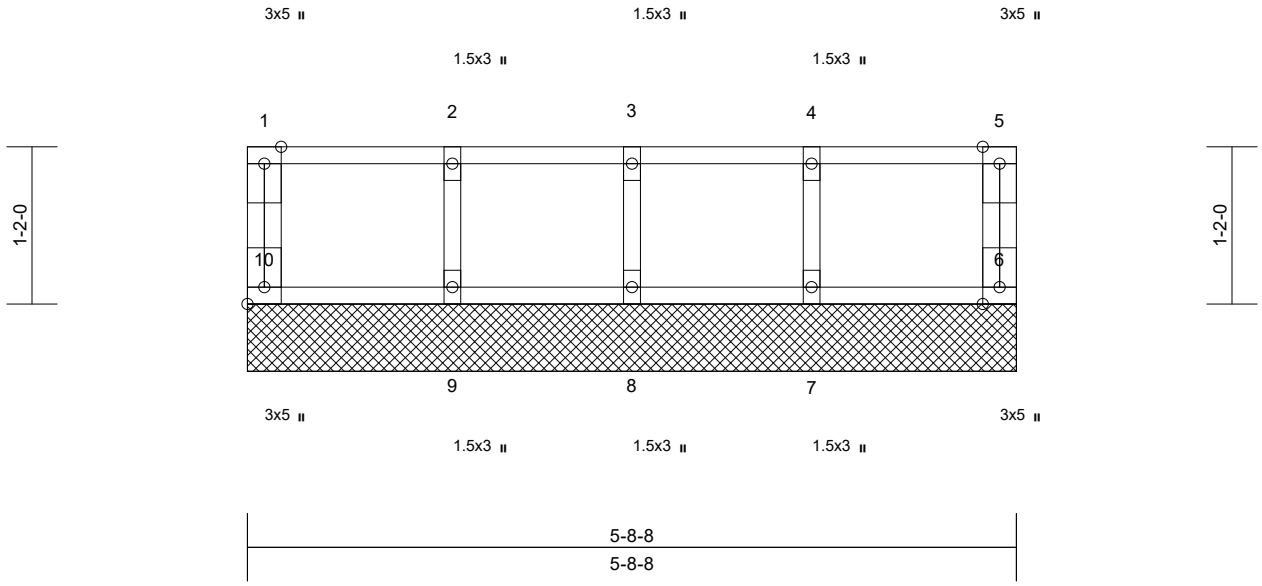



Scale = 1:17.1

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

| Loading | (psf) | Spacing | 1-7-3 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.01 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horiz(TL) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2018/TPI2014 | Matrix-R | | | | | | | Weight: 27 lb | FT = 20%F, 11%E |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (size) 6=5-8-8, 7=5-8-8, 8=5-8-8, 9=5-8-8, 10=5-8-8
Max Grav 6=61 (LC 1), 7=122 (LC 1), 8=115 (LC 1), 9=122 (LC 1), 10=61 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-55/0, 5-6=-55/0, 1-2=-13/0, 2-3=-13/0, 3-4=-13/0, 4-5=-13/0
BOT CHORD 9-10=0/13, 8-9=0/13, 7-8=0/13, 6-7=0/13
WEBS 3-8=-104/0, 2-9=-111/0, 4-7=-111/0

**NOTES**
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) All bearings are assumed to be SP No.2 .
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

**LOAD CASE(S)** Standard

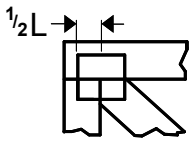

June 12,2025



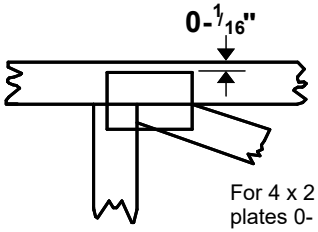
ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

# Symbols

## PLATE LOCATION AND ORIENTATION




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




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

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

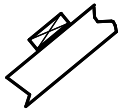
* Plate location details available in MiTek software or upon request.

## PLATE SIZE

4 x 4

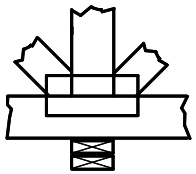
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

## BEARING

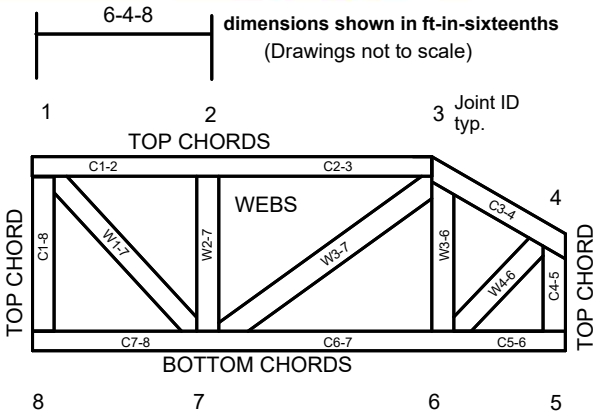


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System




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

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

# Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

# Design General Notes

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

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



MiTek®

ENGINEERING BY TRENCO
A MiTek Affiliate

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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