# 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 #: 46958
JOB: 24-2343-F02
JOB NAME: LOT 0.0022 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.
*24 Truss Design(s)*

Trusses:
F201, F202, F203, F204, F205, F206, F207, F208, F210, F211, F212, F213, F216, F217, F218, F219, F220, F222, F223, F227, F228, F229, F230, F231


**3/25/2024**
**Mark Morris**

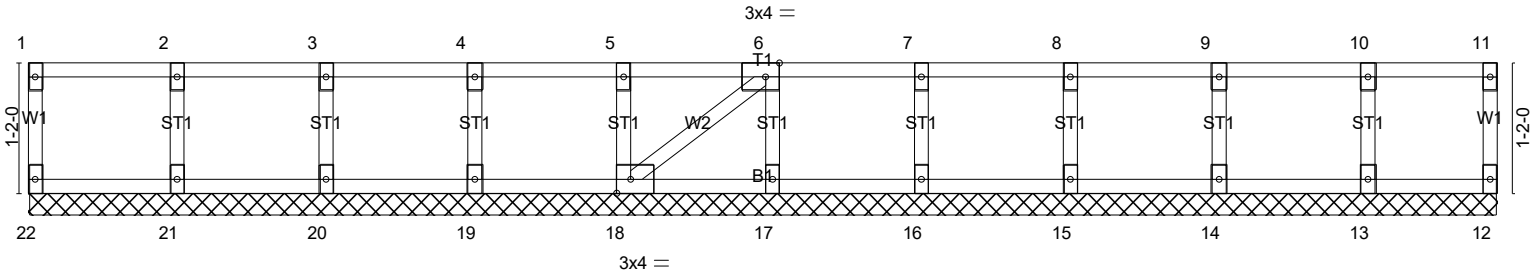
***Warning !—Verify design parameters and read notes before use.***

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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F201 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:36 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-zCCPnKHhxc3CjIEP7iPEAdB2zxRY2Zu1v4LrT7zX2T9

Scale = 1:20.6




13-1-14
13-1-14

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge]

| **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 | 18 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 56 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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 13-1-14.
(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)
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) 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F202 | Floor | 5 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:36 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-zCCPnKHhxc3CjIEP7iPEAdB?4xI42T01v4LrT7zX2T9

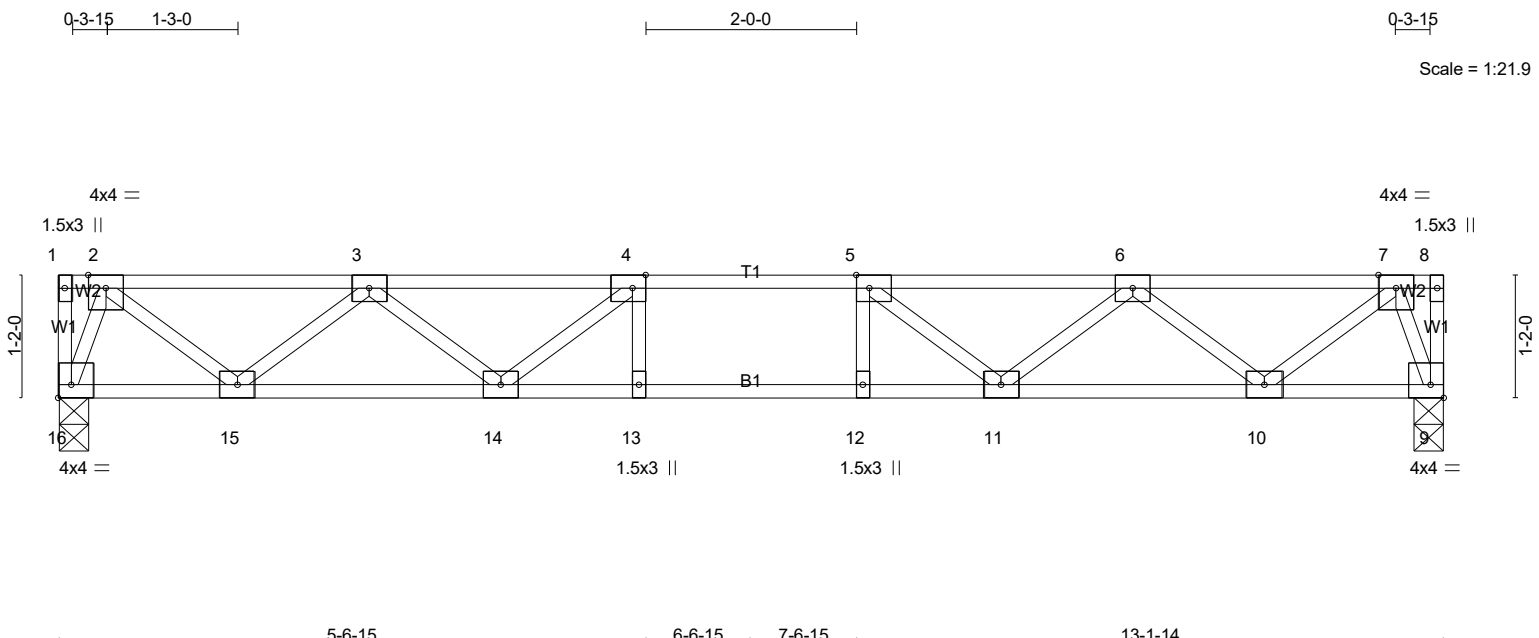



Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [9:Edge,0-1-8], [16:Edge,0-1-8]

| 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 | 0.31 | Vert(LL) | -0.11 | 11-12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.61 | Vert(CT) | -0.14 | 11-12 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.41 | Horz(CT) | 0.03 | 9 | 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) 16=717/0-3-8 (min. 0-1-8), 9=717/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-959/0, 3-4=-1908/0, 4-5=-2215/0, 5-6=-1908/0, 6-7=-959/0
BOT CHORD 15-16=0/298, 14-15=0/1592, 13-14=0/2215, 12-13=0/2215, 11-12=0/2215, 10-11=0/1592, 9-10=0/298
WEBS 4-14=-521/0, 3-14=0/436, 3-15=-825/0, 2-15=0/860, 2-16=-848/0, 5-11=-521/0, 6-11=0/436, 6-10=-825/0, 7-10=0/860, 7-9=-848/0

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F203 | Floor | 4 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:37 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-RPln_glJivB3KSpbgQxTjqk8_Larnv1A8j5P?ZzX2T8

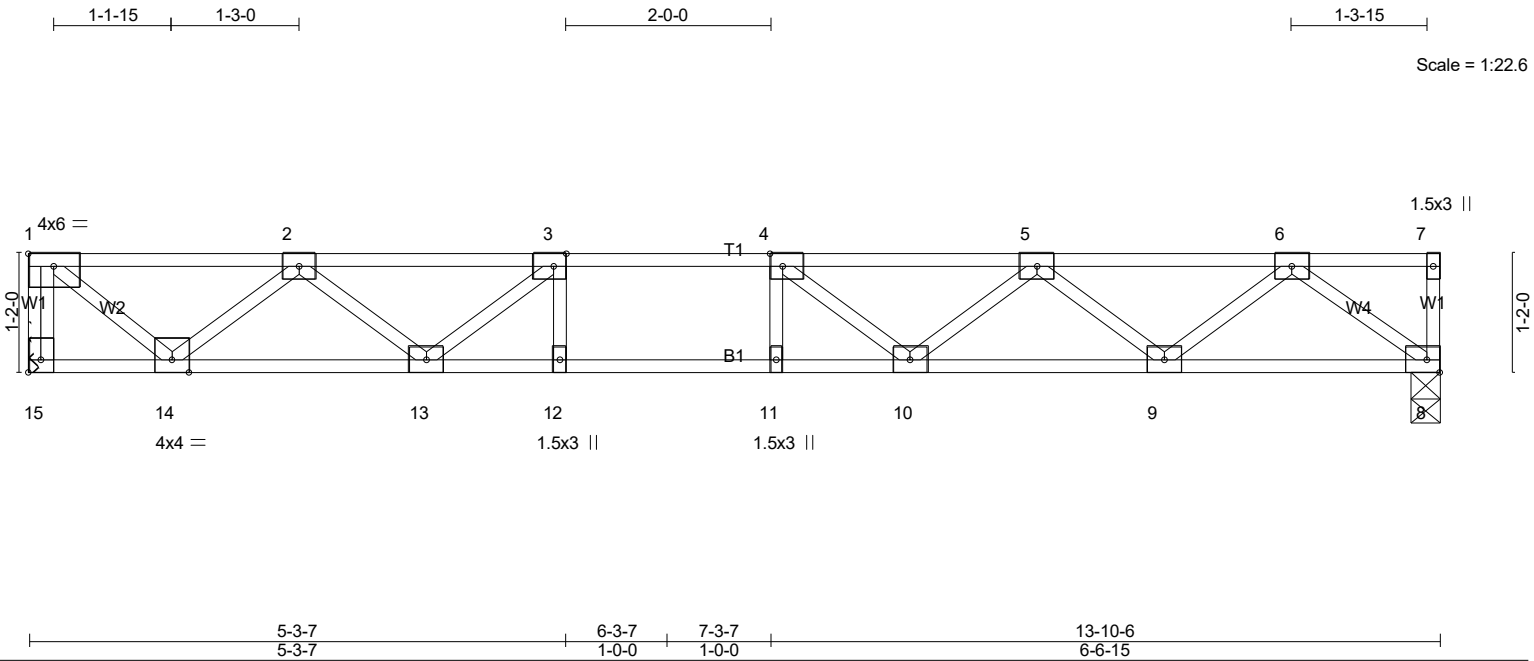



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

| **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 | 0.43 | Vert(LL) | -0.16 | 10-11 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.83 | Vert(CT) | -0.21 | 10-11 | >795 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.49 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 69 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) 15=752/Mechanical, 8=752/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-749/0, 1-2=-797/0, 2-3=-1949/0, 3-4=-2416/0, 4-5=-2276/0, 5-6=-1510/0
BOT CHORD 13-14=0/1537, 12-13=0/2416, 11-12=0/2416, 10-11=0/2416, 9-10=0/2065, 8-9=0/926
WEBS 3-13=-688/0, 2-13=0/539, 2-14=-964/0, 1-14=0/1025, 4-10=-395/49, 5-10=0/355, 5-9=-723/0, 6-9=0/760, 6-8=-1157/0

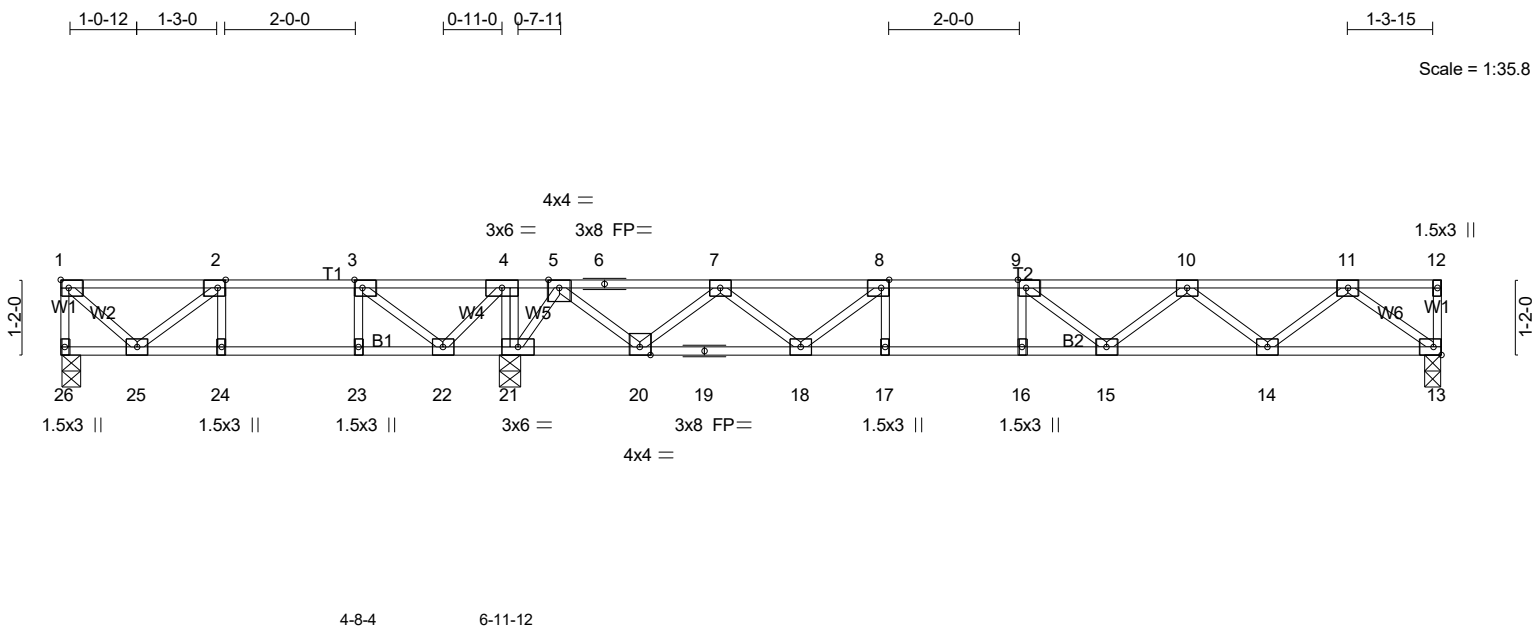
**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F204 | Floor | 3 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:38 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-wbJ9C0JxTDJwycOoE7SiF2GJclw3WMUJNNqyY?zX2T7



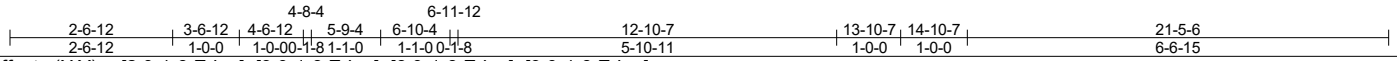




Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge]

| 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 | 0.44 | Vert(LL) | -0.16 | 15-16 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.84 | Vert(CT) | -0.21 | 15-16 | >826 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.48 | Horz(CT) | 0.03 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 106 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) 26=275/0-3-8 (min. 0-1-8), 13=742/0-3-6 (min. 0-1-8), 21=1329/0-3-8 (min. 0-1-8)
Max Grav 26=347(LC 3), 13=753(LC 7), 21=1329(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-348/0, 1-2=-260/27, 2-3=-506/170, 3-4=-103/494, 4-5=0/822, 5-6=-820/0, 6-7=-820/0, 7-8=-1951/0, 8-9=-2423/0, 9-10=-2280/0, 10-11=-1512/0
BOT CHORD 24-25=-170/506, 23-24=-170/506, 22-23=-170/506, 21-22=-822/0, 19-20=0/1532, 18-19=0/1532, 17-18=0/2423, 16-17=0/2423, 15-16=0/2423, 14-15=0/2068, 13-14=0/927
WEBS 4-21=-468/0, 2-25=-314/183, 1-25=-36/355, 3-22=-737/0, 4-22=0/512, 8-18=-693/0, 7-18=0/585, 7-20=-961/0, 5-20=0/999, 5-21=-1066/0, 9-15=-346/52, 10-15=0/323, 10-14=-724/0, 11-14=0/761, 11-13=-1159/0

**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F205 | Floor | 2 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:39 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-OntXPMKZEXRmamz_orzxoFpRw8HZFpjTc1aW4SzX2T6

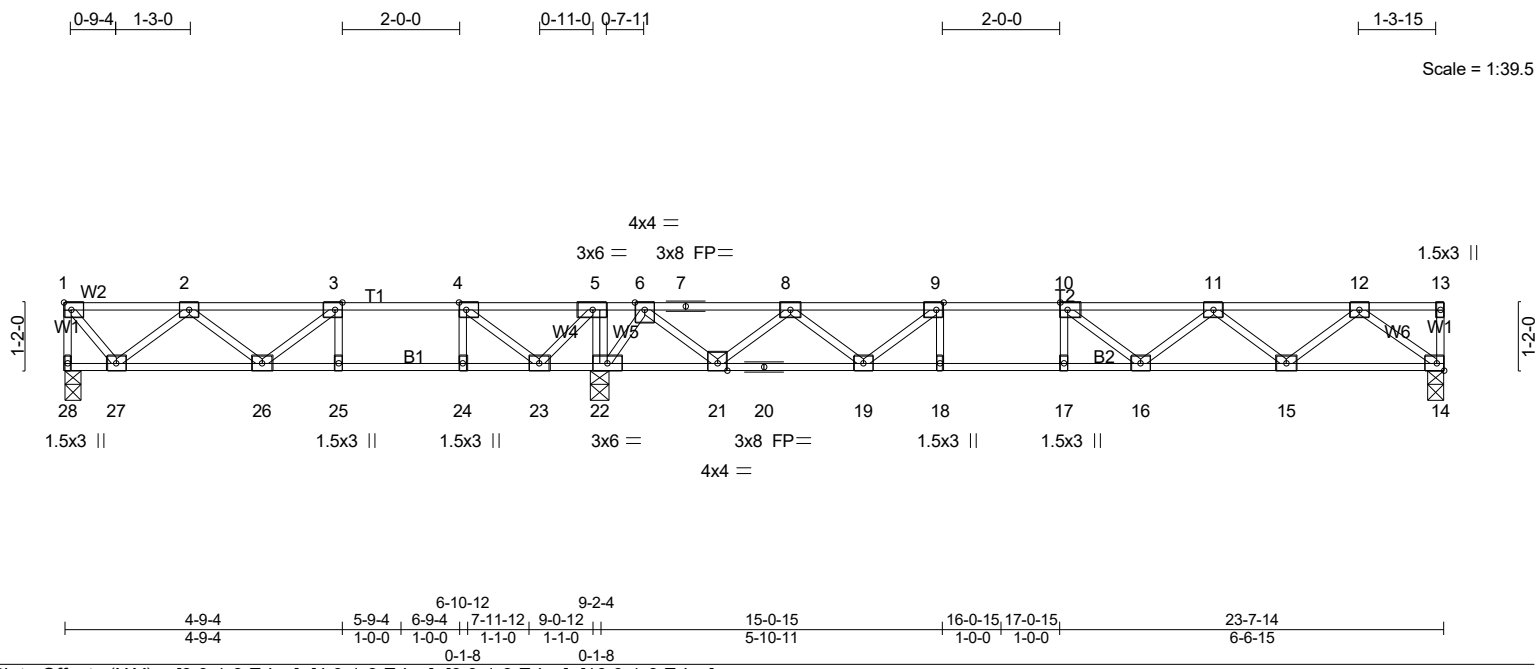






Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]

| 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 | 0.59 | Vert(LL) | -0.16 | 16-17 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.82 | Vert(CT) | -0.21 | 16-17 | >828 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.48 | Horz(CT) | 0.04 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 117 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)

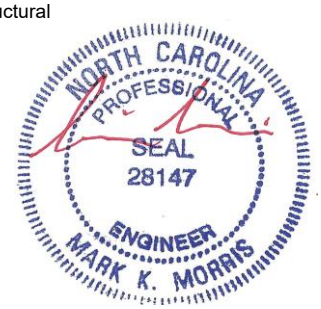
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 28=428/0-3-8 (min. 0-1-8), 14=745/0-3-6 (min. 0-1-8), 22=1415/0-3-8 (min. 0-1-8)
Max Grav 28=494(LC 3), 14=755(LC 7), 22=1415(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-485/0, 1-2=-332/0, 2-3=-957/5, 3-4=-966/195, 4-5=-343/559, 5-6=0/858, 6-7=-846/0, 7-8=-846/0, 8-9=-1972/0, 9-10=-2438/0, 10-11=-2291/0, 11-12=-1517/0
BOT CHORD 26-27=0/824, 25-26=-195/966, 24-25=-195/966, 23-24=-195/966, 22-23=-858/0, 20-21=0/1555, 19-20=0/1555, 18-19=0/2438, 17-18=0/2438, 16-17=0/2438, 15-16=0/2076, 14-15=0/930
WEBS 4-24=0/283, 5-22=-519/0, 2-27=-641/0, 1-27=0/531, 4-23=-999/0, 5-23=0/648, 9-19=-671/0, 8-19=0/590, 8-21=-963/0, 6-21=0/1001, 6-22=-1088/0, 10-16=-356/25, 11-16=0/329, 11-15=-727/0, 12-15=0/764, 12-14=-1162/0

**NOTES-** (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard




3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F206 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:39 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-OntXPMKZEXRmamz_orzxoFpaK8TFFwgTc1aW4SzX2T6

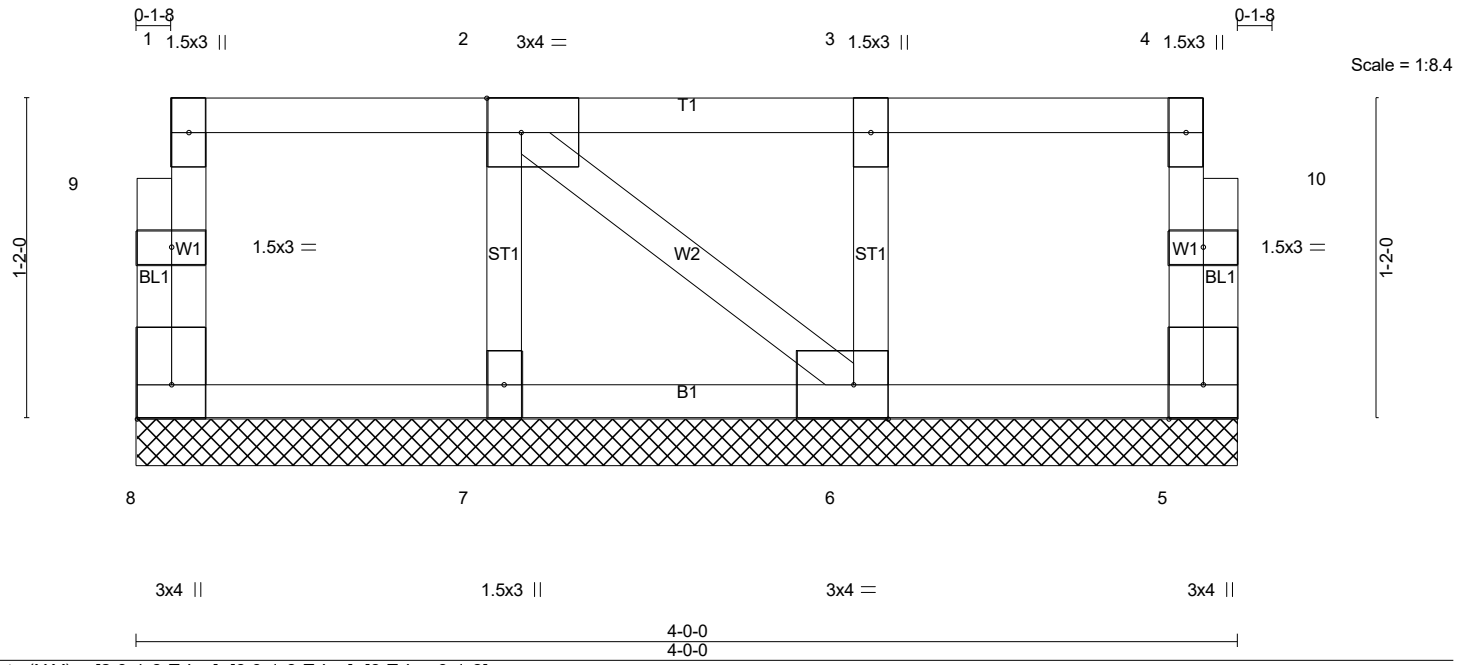



Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:0-1-8,Edge], [8:Edge,0-1-8]

| **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 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 21 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 4-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

**NOTES-** (5-6)
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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

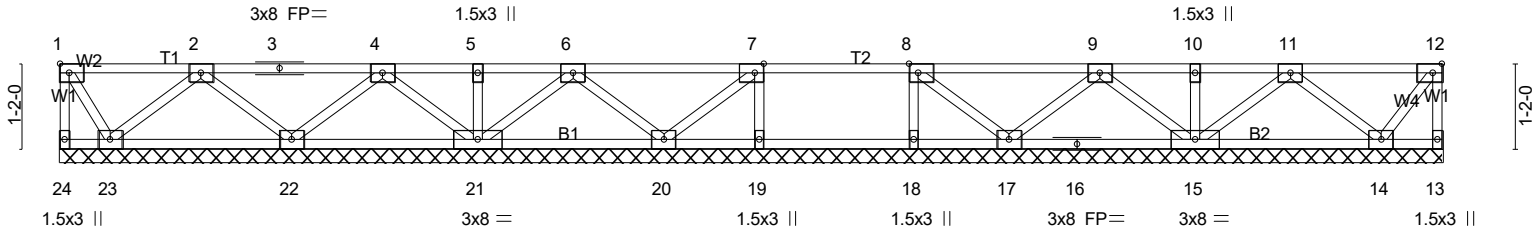
**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F207 | Floor | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:40 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-s_RvdiLB?qZdBwYAMYUALTLipYpz_NccqhJ3cuzX2T5

Scale: 3/8"=1'



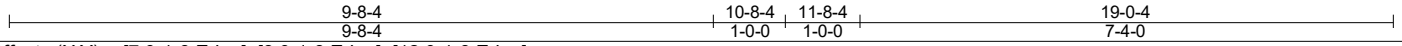




Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge]

| **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 | 0.20 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.04 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 96 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.** All bearings 19-0-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 19, 18, 20, 23, 17, 14 except 21=312(LC 1), 22=278(LC 1), 15=323(LC 1)

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

**NOTES-** (4-5)
1) All plates are 3x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F208 | FLOOR | 5 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:41 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-KA?Iq2Lpl8hUp37NvG?Ptguj6ywDjhvm3L3c8KzX2T4

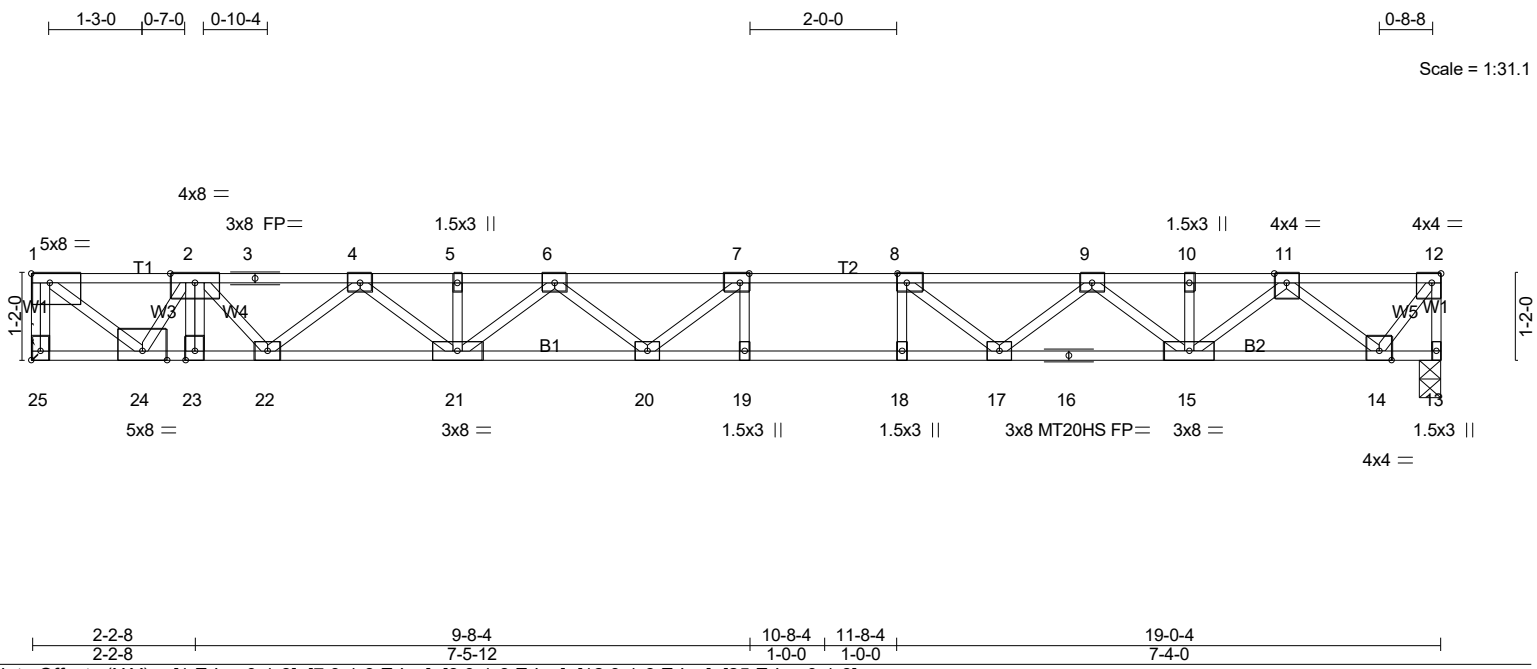






Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [25:Edge,0-1-8]

| 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 | 0.87 | Vert(LL) | -0.37 | 19-20 | >609 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.93 | Vert(CT) | -0.51 | 19-20 | >443 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.62 | Horz(CT) | 0.07 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 99 lb | FT = 20%F, 11%E |

**LUMBER-**
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except*
W2: 2x4 SP No.2(flat)

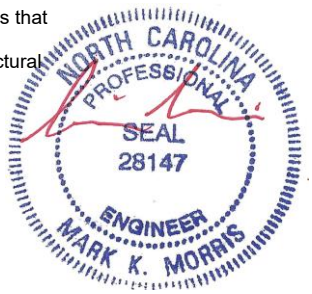
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 25=1402/Mechanical, 13=779/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-1392/0, 12-13=-774/0, 1-2=-1760/0, 2-3=-3021/0, 3-4=-3021/0, 4-5=-3715/0, 5-6=-3715/0, 6-7=-3932/0, 7-8=-3753/0, 8-9=-3153/0, 9-10=-2107/0, 10-11=-2107/0, 11-12=-531/0
BOT CHORD 23-24=0/2665, 22-23=0/2665, 21-22=0/3443, 20-21=0/3956, 19-20=0/3753, 18-19=0/3753, 17-18=0/3753, 16-17=0/2699, 15-16=0/2699, 14-15=0/1384
WEBS 7-19=-294/46, 8-18=-25/315, 1-24=0/2208, 2-24=-1601/0, 7-20=-234/450, 6-21=-309/0, 4-21=0/346, 4-22=-550/0, 2-22=0/520, 8-17=-886/0, 9-17=0/626, 9-15=-756/0, 11-15=0/922, 11-14=-1111/0, 12-14=0/893

**NOTES-** (7-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-25=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 2=-800

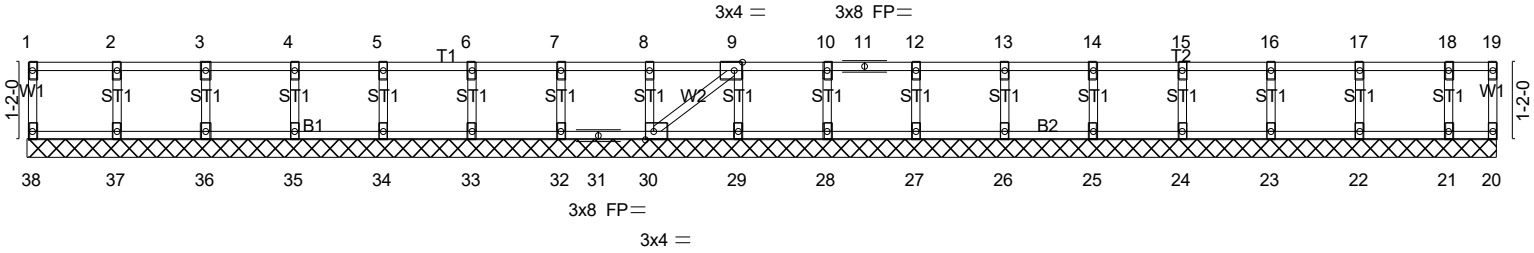



3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F210 | Floor Supported Gable | 1 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:42 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-oMZg1OMSWSpLRDiZTzWeQuR4SMUySHNvI?oAhmzX2T3

Scale = 1:34.6




22-0-12
22-0-12

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [30:0-1-8,Edge]

| 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 | 29 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 92 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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 22-0-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21

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

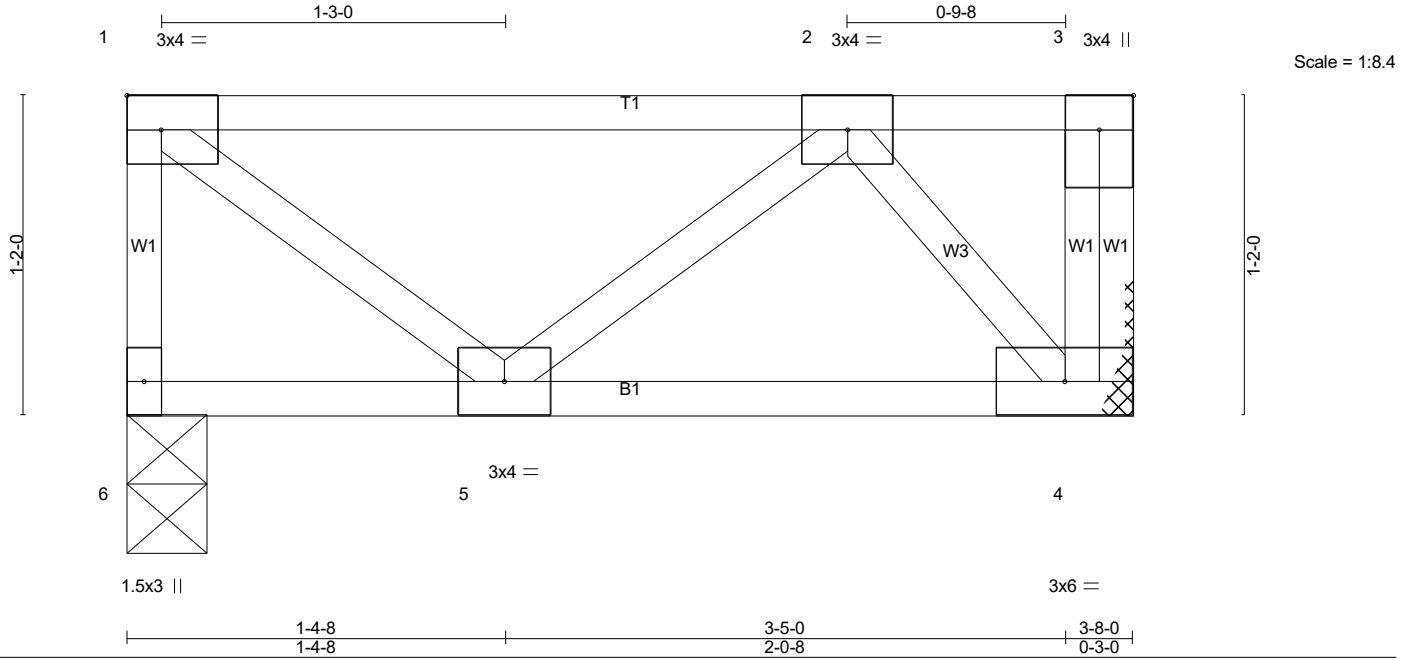
**NOTES-** (6-7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F211 | Floor | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:42 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-oMZg1OMSWSpLRDiZTzWeQuR1PMUESHvvI?oAhmzX2T3




| 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 | 0.26 | Vert(LL) | -0.00 | 5 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.05 | Vert(CT) | -0.00 | 4-5 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 21 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 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 6=191/0-3-8 (min. 0-1-8), 4=191/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-271/0

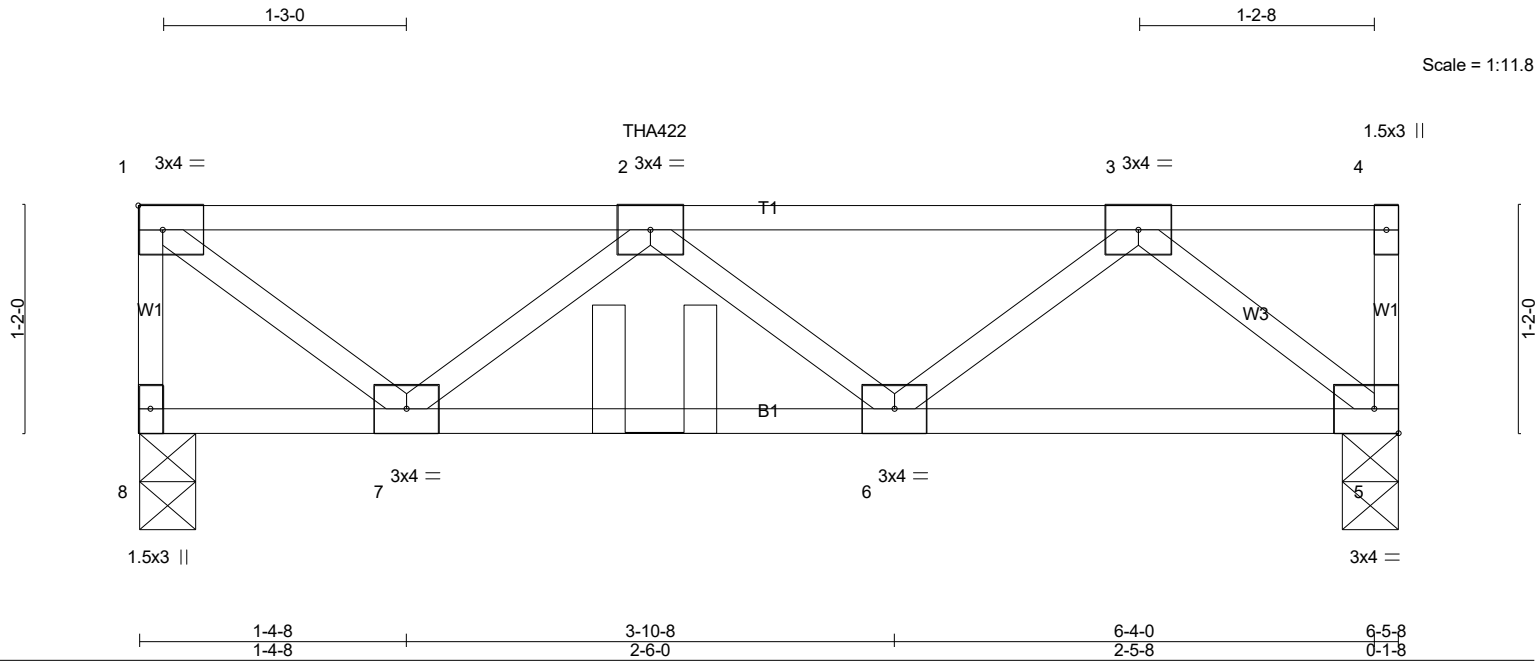
**NOTES-** (3)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F212 | Floor Girder | 1 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:43 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-GY72FkN4HlxC2NGl1g2ty5zCQmoqBhi2WfYjDDzX2T2




| 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 | 0.31 | Vert(LL) | -0.01 | 6 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.16 | Vert(CT) | -0.01 | 6-7 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.22 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 33 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) 8=395/0-3-8 (min. 0-1-8), 5=380/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-389/0, 1-2=-362/0, 2-3=-562/0
BOT CHORD 6-7=0/685, 5-6=0/405
WEBS 1-7=0/463, 2-7=-420/0, 3-5=-523/0

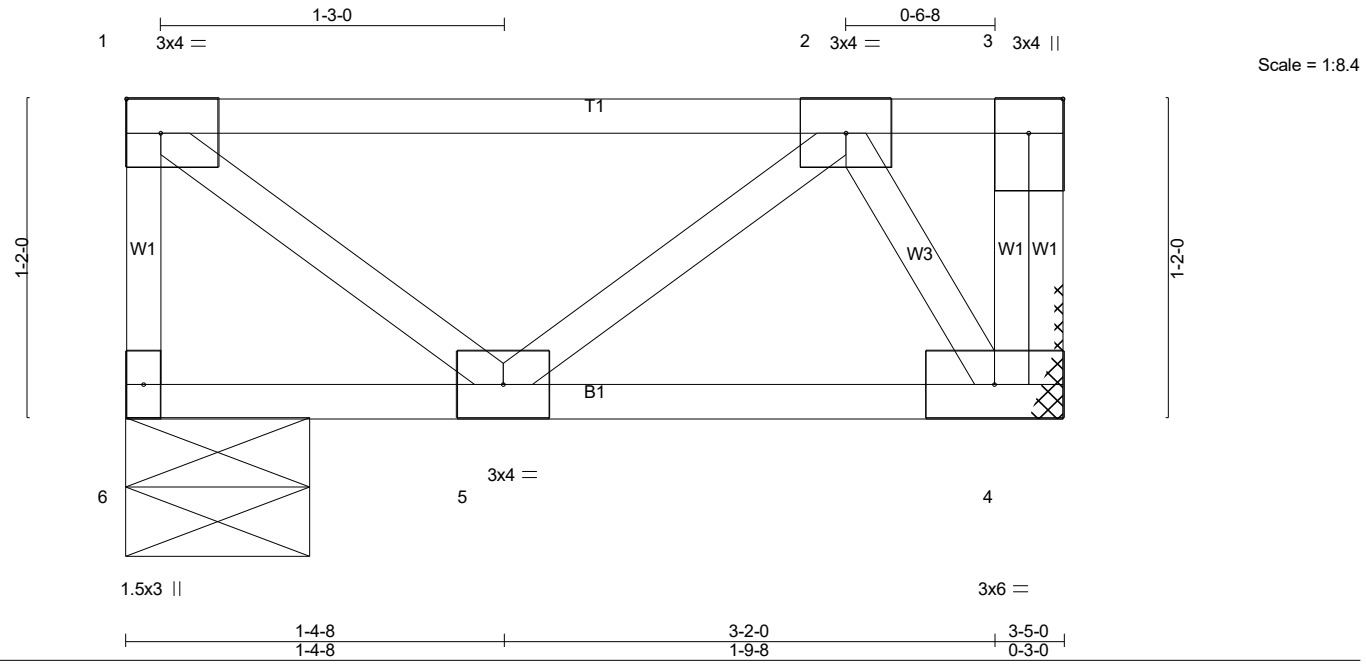
**NOTES-** (5)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 2-7-12 from the left end to connect truss(es) F213 (1 ply 2x4 SP) to front face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
3) Fill all nail holes where hanger is in contact with lumber.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-78(F)


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F213 | Floor Girder | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:43 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-GY72FkN4HlxC2NGl1g2ty5zCXmqZBk92WfYjDDzX2T2




| **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 | 0.30 | Vert(LL) | -0.00 | 5 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.05 | Vert(CT) | -0.00 | 5 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.06 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 20 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 3-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 6=178/0-8-0 (min. 0-1-8), 4=178/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-276/0

**NOTES-** (3-4)
1) Refer to girder(s) for truss to truss connections.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

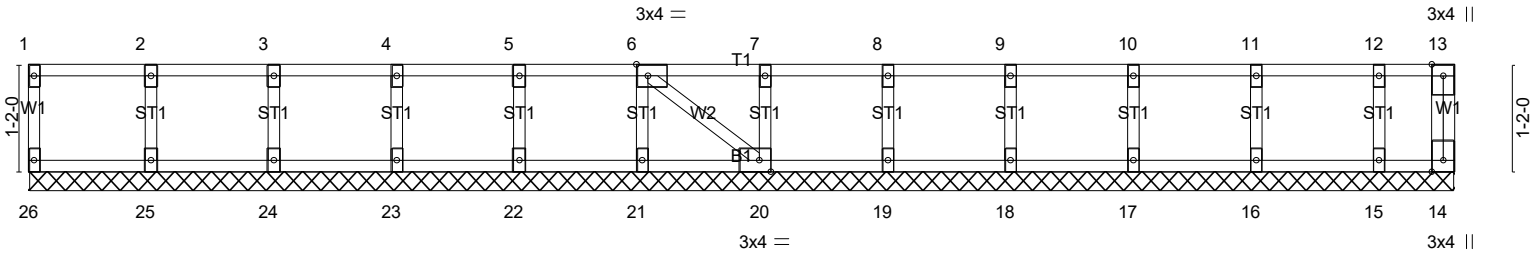
**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F216 | GABLE | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:44 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-klhQS4Oi2333gXrxbOZ6VJWQy9AQwBtClJHHlfzX2T1

Scale = 1:25.0




| 1-4-0 | 2-8-0 | 4-0-0 | 5-2-14 | 5-4-0 | 6-2-14 | 6-8-0 | 7-2-14 | 8-0-0 | 9-4-0 | 10-8-0 | 12-0-0 | 13-4-0 | 14-8-0 | 15-5-14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-4-0 | 1-4-0 | 1-4-0 | 1-2-14 | 0-1-2 | 0-10-14 | 0-5-2 | 0-6-14 | 0-9-2 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 0-9-14 |

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [20:0-1-8,Edge]

| **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 | 20 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 67 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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 15-5-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

**NOTES-** (6-7)
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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F217 | Floor | 1 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:44 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-klhQS4Oi2333gXrxbOZ6VJWMN90jw4AClJHHlfzX2T1

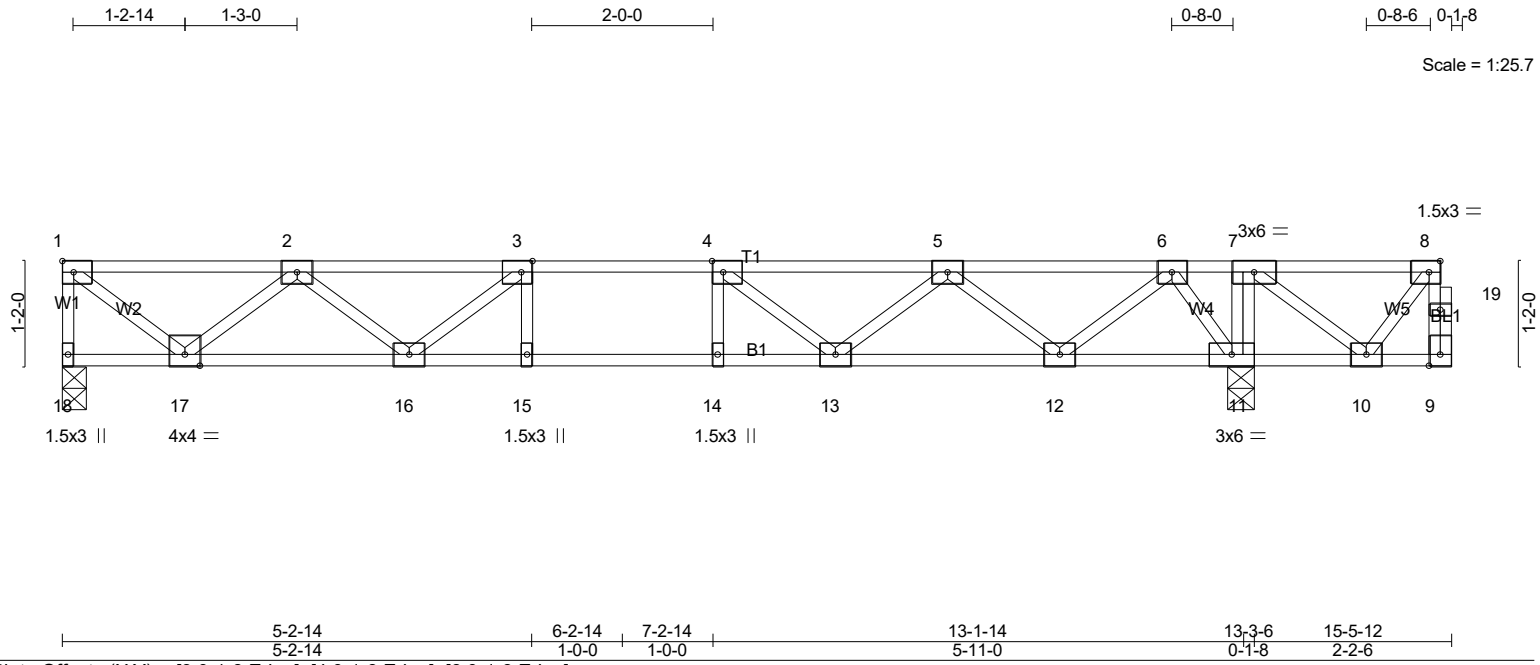



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [8:0-1-8,Edge]

| 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) | -0.13 | 13-14 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.69 | Vert(CT) | -0.16 | 13-14 | >984 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.46 | Horz(CT) | 0.03 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 79 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) 18=701/0-3-6 (min. 0-1-8), 11=975/0-3-8 (min. 0-1-8)
Max Grav 18=715(LC 3), 11=975(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-710/0, 1-2=-759/0, 2-3=-1817/0, 3-4=-2196/0, 4-5=-1971/0, 5-6=-1104/0
BOT CHORD 16-17=0/1459, 15-16=0/2196, 14-15=0/2196, 13-14=0/2196, 12-13=0/1704, 11-12=-84/484
WEBS 7-11=-284/0, 3-16=-587/0, 2-16=0/476, 2-17=-911/0, 1-17=0/972, 4-13=-496/0, 5-13=0/421, 5-12=-802/0, 6-12=0/831, 6-11=-886/0

**NOTES-** (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F218 | Floor | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:45 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-CxEogPOKpNBwIhQ8854L2W3W9ZNMfWYL_z1qH5zX2T0

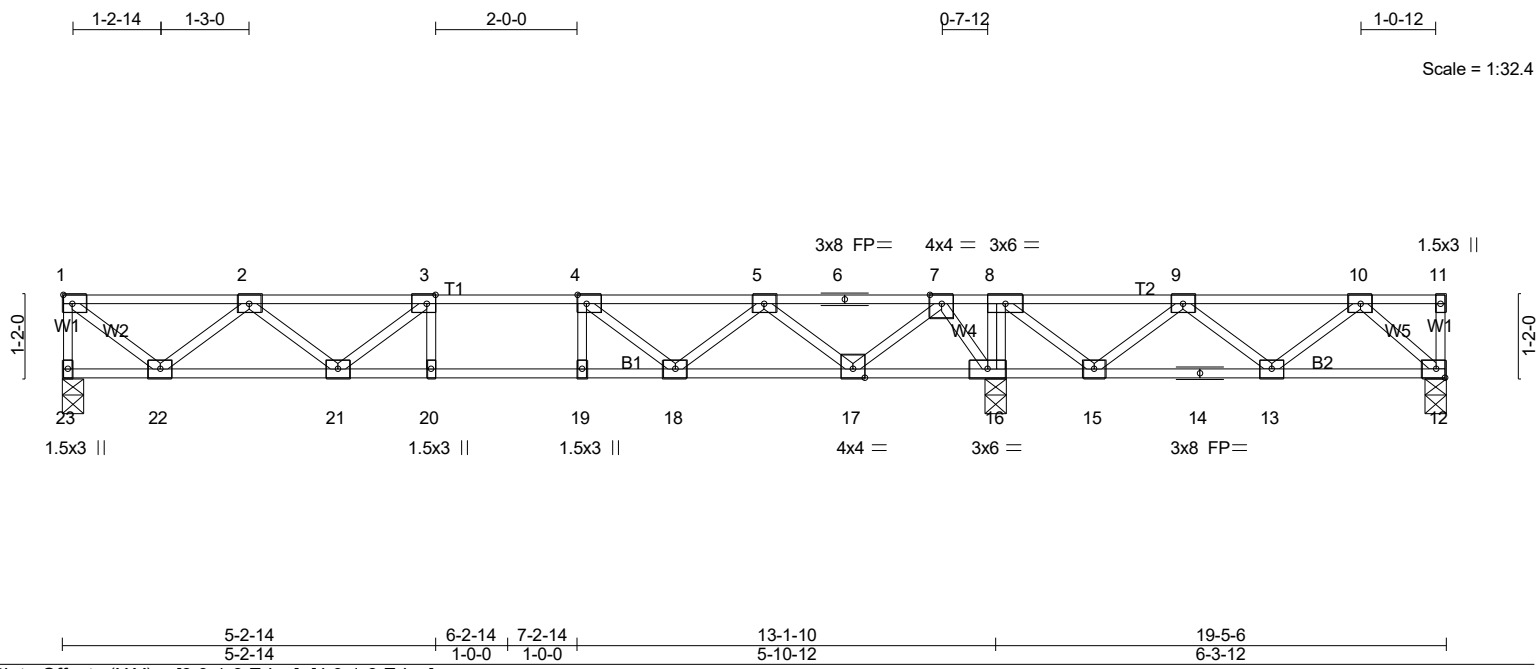



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]

| **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 | 0.42 | Vert(LL) | -0.09 | 20-21 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.60 | Vert(CT) | -0.12 | 20-21 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.45 | Horz(CT) | 0.02 | 16 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 97 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) 23=617/0-3-6 (min. 0-1-8), 12=129/0-3-8 (min. 0-1-8), 16=1380/0-3-8 (min. 0-1-8)
Max Uplift12=-107(LC 3)
Max Grav 23=623(LC 3), 12=272(LC 4), 16=1380(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-616/0, 1-2=-646/0, 2-3=-1479/0, 3-4=-1654/0, 4-5=-1223/0, 7-8=0/1317, 8-9=0/844, 9-10=-298/324
BOT CHORD 21-22=0/1248, 20-21=0/1654, 19-20=0/1654, 18-19=0/1654, 17-18=0/829, 16-17=-815/0, 15-16=-1317/0, 14-15=-552/306, 13-14=-552/306, 12-13=-130/257
WEBS 8-16=-615/0, 3-21=-287/0, 2-21=0/302, 2-22=-783/0, 1-22=0/828, 4-18=-568/0, 5-18=0/524, 5-17=-917/0, 7-17=0/954, 7-16=-997/0, 8-15=0/717, 9-15=-658/0, 9-13=-10/297, 10-13=-252/54, 10-12=-351/177

**NOTES-** (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 12.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F219 | Floor | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:46 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-h7oBtlPyagJnwr?KipbaakbhvzjbOzoVDdmNqYzX2T?

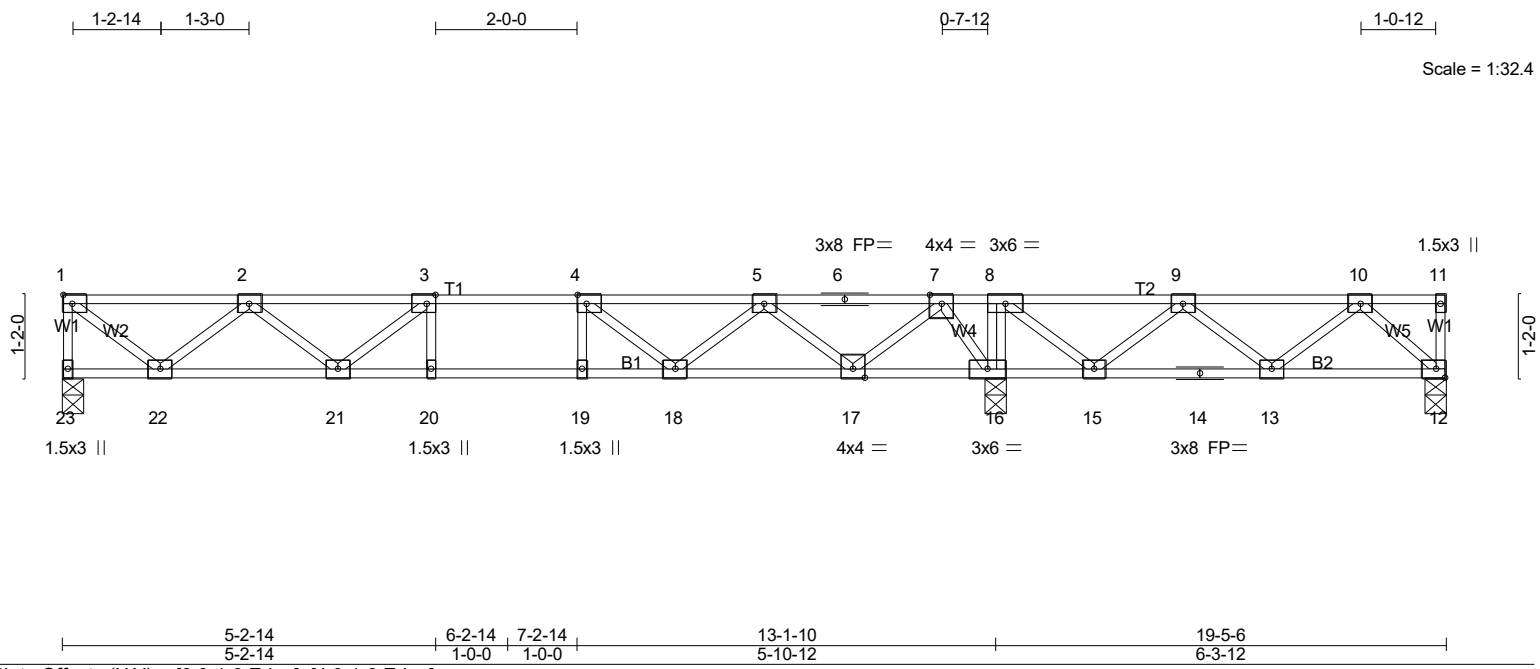



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]

| **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 | 0.42 | Vert(LL) | -0.09 | 20-21 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.60 | Vert(CT) | -0.12 | 20-21 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.45 | Horz(CT) | 0.02 | 16 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 97 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) 23=617/0-3-6 (min. 0-1-8), 12=129/0-3-8 (min. 0-1-8), 16=1380/0-3-8 (min. 0-1-8)
Max Uplift12=-107(LC 3)
Max Grav 23=623(LC 3), 12=272(LC 4), 16=1380(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-616/0, 1-2=-646/0, 2-3=-1479/0, 3-4=-1654/0, 4-5=-1223/0, 7-8=0/1317, 8-9=0/844, 9-10=-298/324
BOT CHORD 21-22=0/1248, 20-21=0/1654, 19-20=0/1654, 18-19=0/1654, 17-18=0/829, 16-17=-815/0, 15-16=-1317/0, 14-15=-552/306, 13-14=-552/306, 12-13=-130/257
WEBS 8-16=-615/0, 3-21=-287/0, 2-21=0/302, 2-22=-783/0, 1-22=0/828, 4-18=-568/0, 5-18=0/524, 5-17=-917/0, 7-17=0/954, 7-16=-997/0, 8-15=0/717, 9-15=-658/0, 9-13=-10/297, 10-13=-252/54, 10-12=-351/177

**NOTES-** (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 12.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F220 | Floor | 3 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:47 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-9KMZ55QaL_SeX_aWGW6p7x8slN1_7QueRHWxM_zX2T_

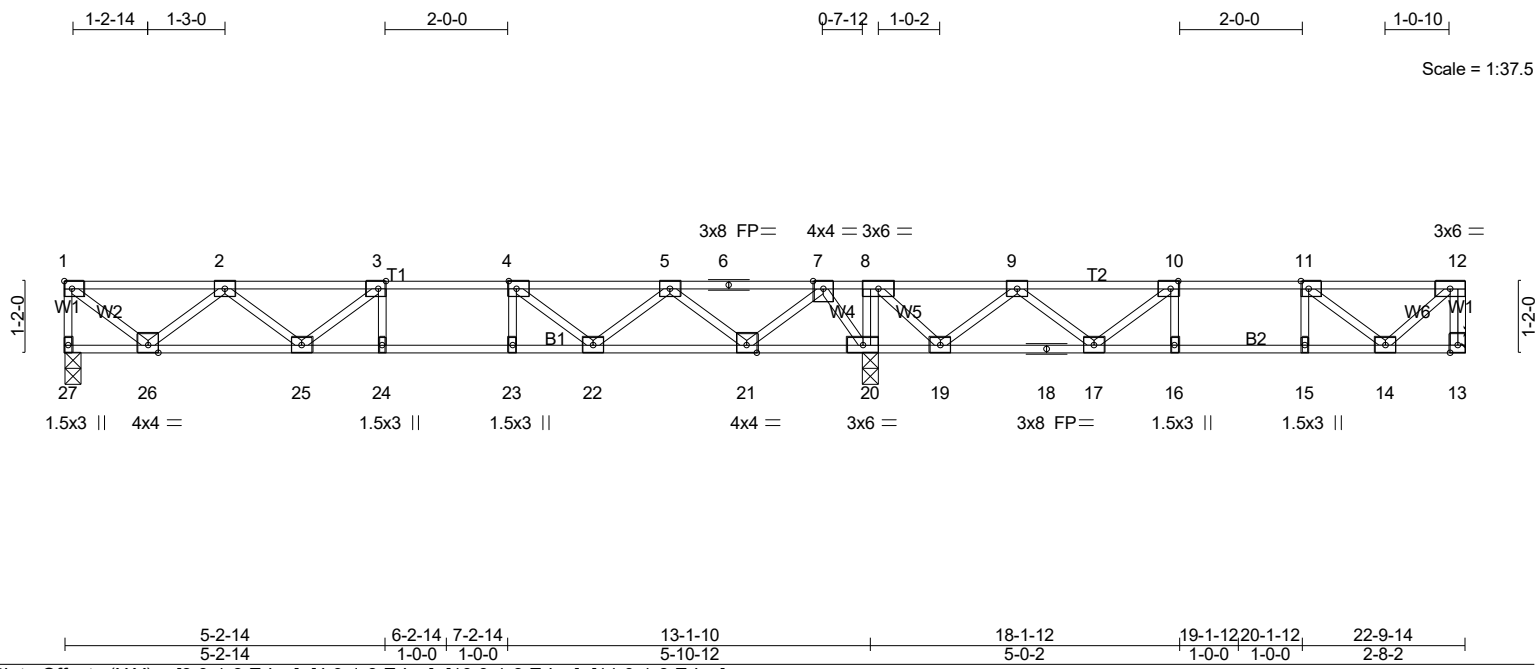



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge]

| **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 | 0.41 | Vert(LL) | -0.10 | 24-25 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.66 | Vert(CT) | -0.13 | 24-25 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.46 | Horz(CT) | 0.02 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 114 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)

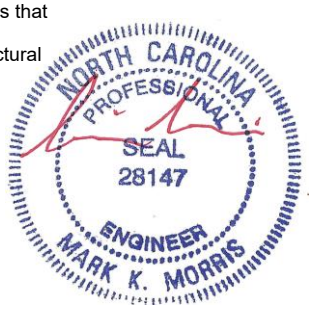
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 27=611/0-3-6 (min. 0-1-8), 13=379/Mechanical, 20=1500/0-3-8 (min. 0-1-8)
Max Grav 27=647(LC 3), 13=437(LC 4), 20=1500(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-640/0, 12-13=-426/0, 1-2=-676/0, 2-3=-1568/0, 3-4=-1796/0, 4-5=-1418/0, 5-6=-387/371, 6-7=-387/371, 7-8=0/1410, 8-9=0/828, 9-10=-599/250, 10-11=-809/32, 11-12=-373/0
BOT CHORD 25-26=0/1303, 24-25=0/1796, 23-24=0/1796, 22-23=0/1796, 21-22=-150/1057, 20-21=-845/0, 19-20=-1410/0, 18-19=-433/346, 17-18=-433/346, 16-17=-32/809, 15-16=-32/809, 14-15=-32/809
WEBS 8-20=-709/0, 3-25=-291/57, 2-25=0/345, 2-26=-817/0, 1-26=0/865, 4-22=-643/0, 5-22=0/549, 5-21=-935/0, 7-21=0/973, 7-20=-979/0, 10-17=-460/0, 9-17=0/446, 9-19=-844/0, 8-19=0/820, 11-14=-557/67, 12-14=0/498

**NOTES-** (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard




3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F222 | Floor | 13 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:48 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-dWwxIRRC6IaV989jqEd2f9h1LnKQsvPogxFUtQzX2Sz

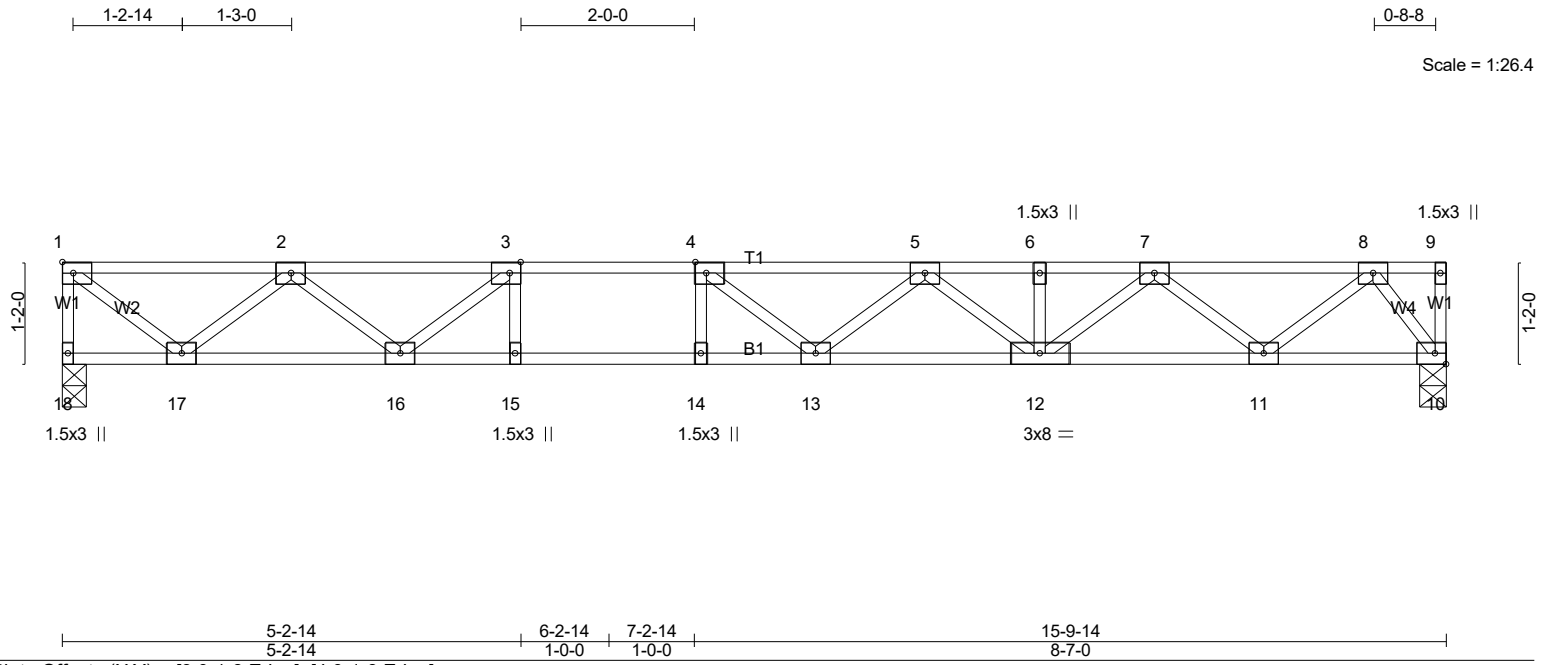



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]

| **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 | 0.42 | Vert(LL) | -0.18 | 13-14 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.83 | Vert(CT) | -0.25 | 13-14 | >755 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.38 | Horz(CT) | 0.03 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 79 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) 18=576/0-3-6 (min. 0-1-8), 10=576/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-575/0, 1-2=-628/0, 2-3=-1575/0, 3-4=-2049/0, 4-5=-2117/0, 5-6=-1779/0, 6-7=-1779/0, 7-8=-951/0
BOT CHORD 16-17=0/1200, 15-16=0/2049, 14-15=0/2049, 13-14=0/2049, 12-13=0/2074, 11-12=0/1449, 10-11=0/430
WEBS 3-16=-649/0, 2-16=0/488, 2-17=-746/0, 1-17=0/804, 5-12=-376/0, 7-12=0/421, 7-11=-649/0, 8-11=0/678, 8-10=-723/0

**NOTES-** (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F223 | Floor | 2 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:48 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-dWwxIRRC6IaV989jqEd2f9h3lnPCsvLogxFUtQzX2Sz

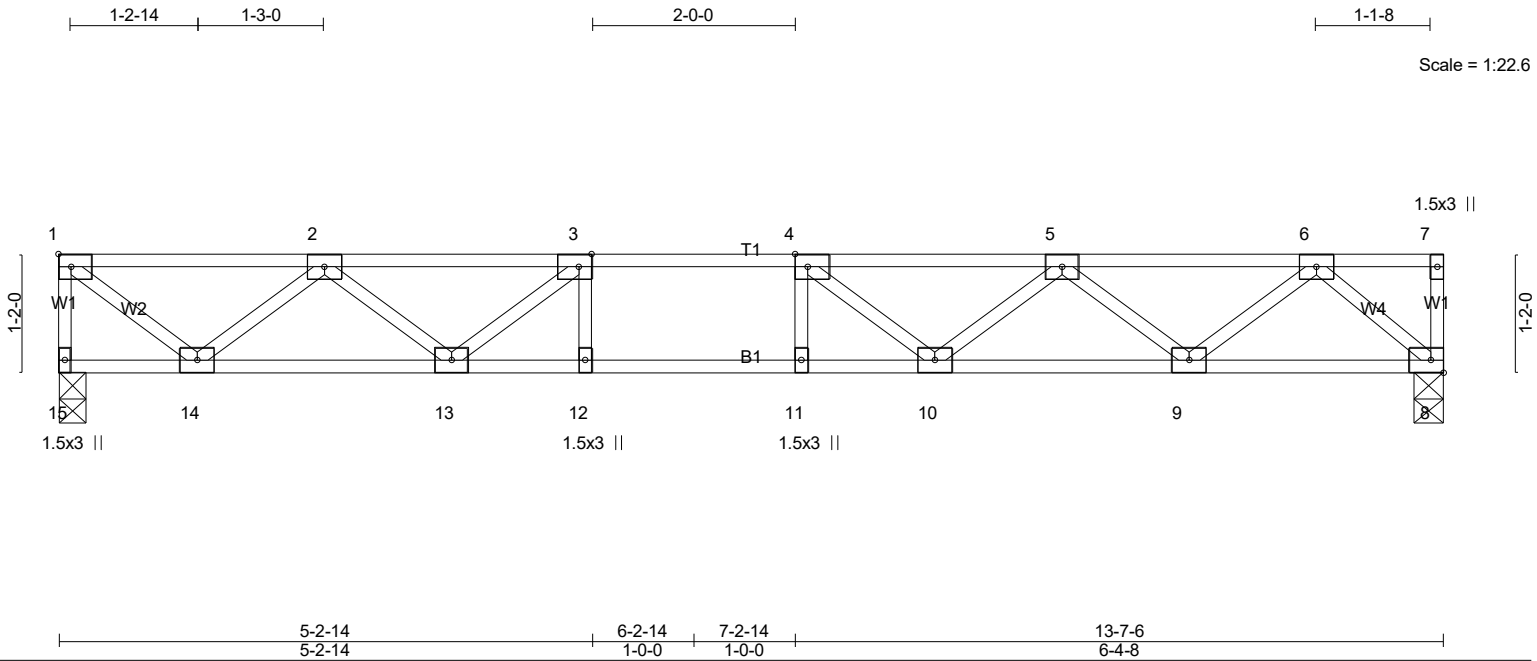



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]

| 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 | 0.27 | Vert(LL) | -0.10 | 10-11 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.53 | Vert(CT) | -0.13 | 10-11 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.32 | Horz(CT) | 0.02 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 67 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) 15=495/0-3-6 (min. 0-1-8), 8=495/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-492/0, 1-2=-528/0, 2-3=-1278/0, 3-4=-1571/0, 4-5=-1460/0, 5-6=-929/0
BOT CHORD 13-14=0/1014, 12-13=0/1571, 11-12=0/1571, 10-11=0/1571, 9-10=0/1308, 8-9=0/531
WEBS 3-13=-438/0, 2-13=0/347, 2-14=-633/0, 1-14=0/676, 4-10=-275/13, 5-9=-494/0, 6-9=0/518, 6-8=-706/0

**NOTES-** (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

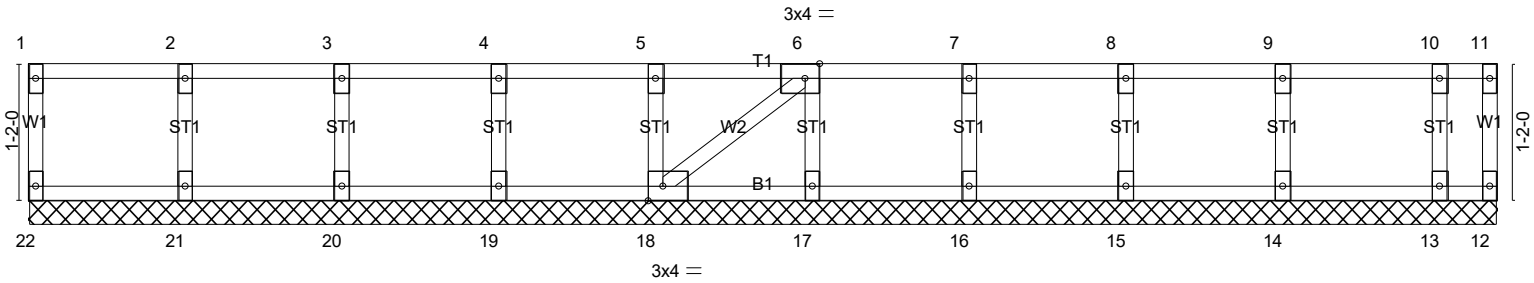
**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F227 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:49 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-5iUJVnSrtbiMnIkvNx8HCMDHhAtbbR6xvb?1PtzX2Sy

Scale = 1:19.6




12-5-14
12-5-14

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge]

| 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: 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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 12-5-14.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12
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-** (7)
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.
6) 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F228 | Floor | 3 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:49 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-5iUJVnSrtbiMnIkvNx8HCMDACAjvbJGxvb?1PtzX2Sy

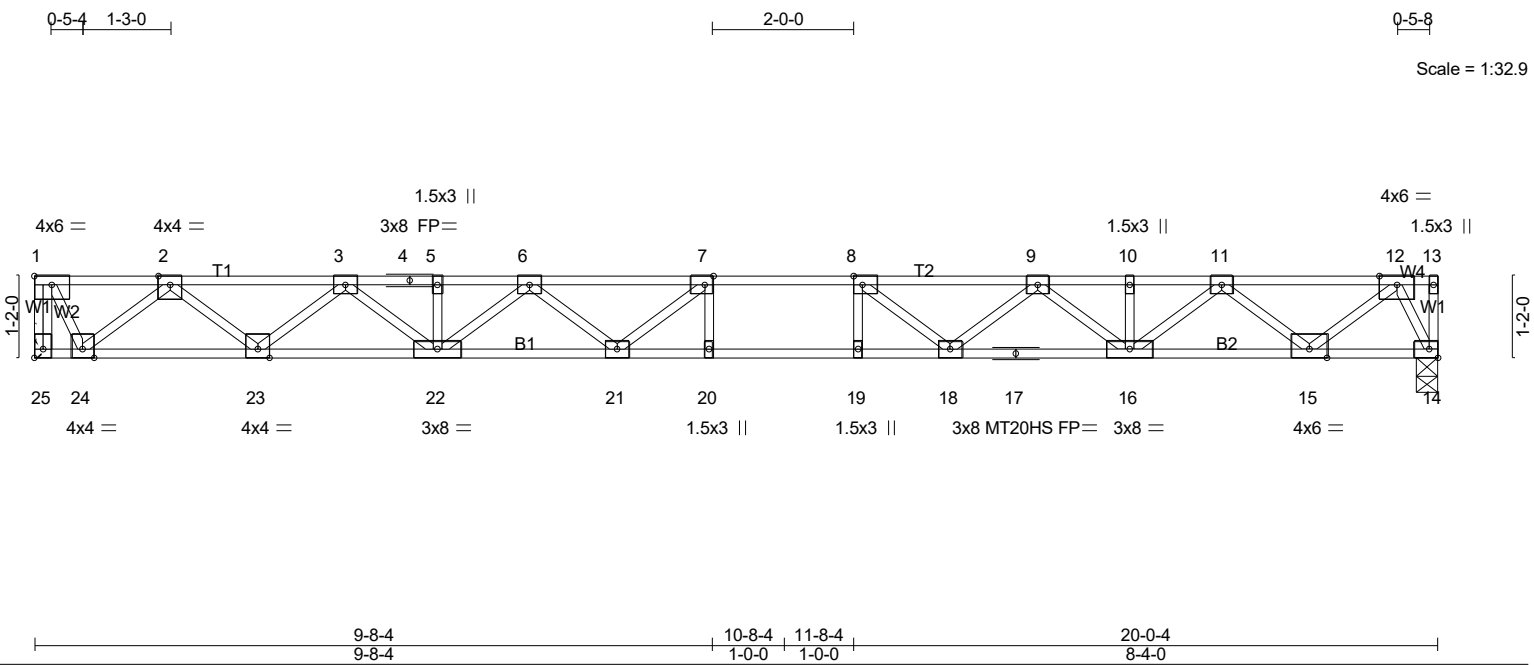



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [25:Edge,0-1-8]

| **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 | 0.54 | Vert(LL) | -0.36 | 20 | >660 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.69 | Vert(CT) | -0.50 | 20 | >480 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.54 | Horz(CT) | 0.07 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 102 lb | FT = 20%F, 11%E |

**LUMBER-**
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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) 25=872/Mechanical, 14=872/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-872/0, 1-2=-442/0, 2-3=-2137/0, 3-4=-3356/0, 4-5=-3356/0, 5-6=-3356/0, 6-7=-3980/0, 7-8=-4104/0, 8-9=-3723/0, 9-10=-2828/0, 10-11=-2828/0, 11-12=-1321/0
BOT CHORD 23-24=0/1407, 22-23=0/2842, 21-22=0/3800, 20-21=0/4104, 19-20=0/4104, 18-19=0/4104, 17-18=0/3387, 16-17=0/3387, 15-16=0/2164, 14-15=0/457
WEBS 7-21=-468/166, 6-21=0/378, 6-22=-567/0, 3-22=0/657, 3-23=-917/0, 2-23=0/950, 2-24=-1256/0, 1-24=0/931, 8-18=-689/0, 9-18=0/517, 9-16=-713/0, 11-16=0/848, 11-15=-1097/0, 12-15=0/1124, 12-14=-1023/0

**NOTES-** (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F229 | Floor | 6 | 1 | # 46958 |
| | | | | | Job Reference (optional) |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:50 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-Zv2hj7STevqDOSJ5xfgWkamJDa2yKo_47FkbyJzX2Sx

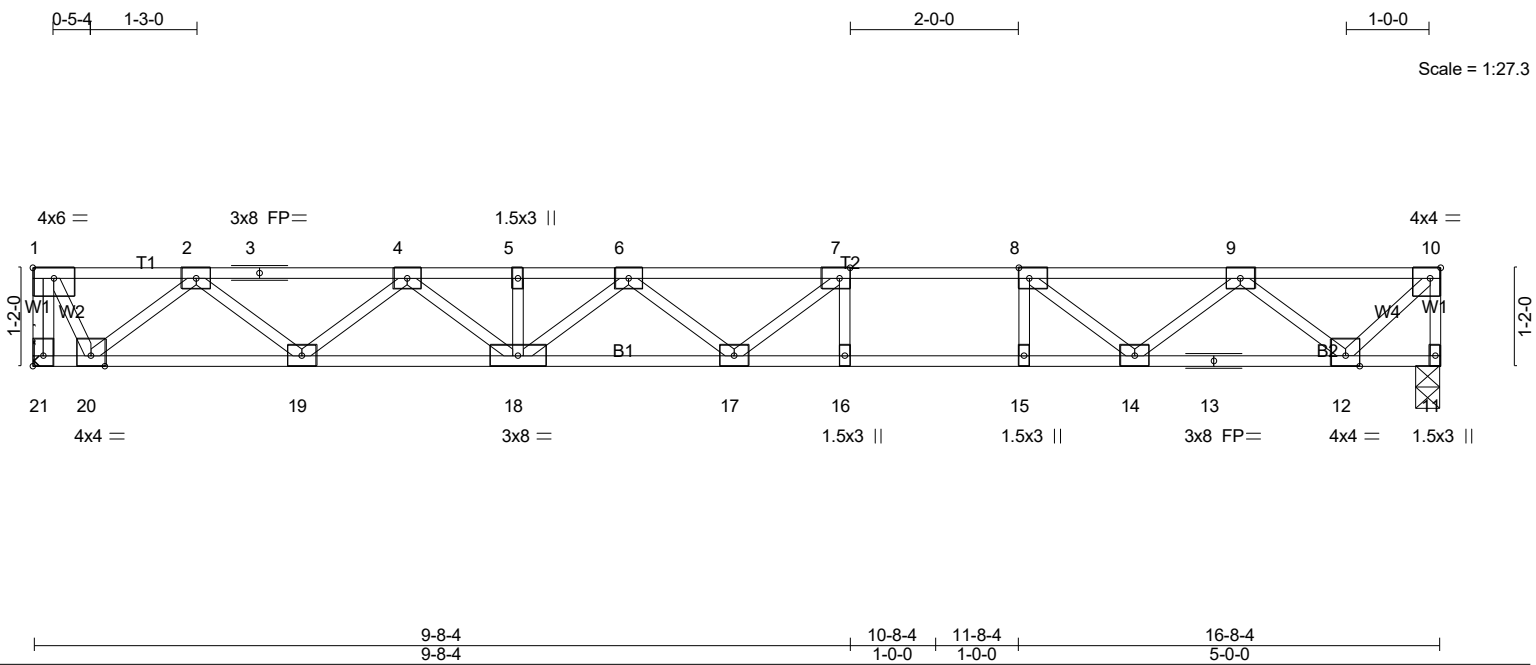



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]

| 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 | 0.59 | Vert(LL) | -0.26 | 16-17 | >760 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.77 | Vert(CT) | -0.36 | 16-17 | >554 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.44 | Horz(CT) | 0.04 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 84 lb | FT = 20%F, 11%E |

**LUMBER-**
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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) 21=726/Mechanical, 11=726/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-725/0, 10-11=-730/0, 1-2=-363/0, 2-3=-1710/0, 3-4=-1710/0, 4-5=-2559/0, 5-6=-2559/0, 6-7=-2831/0, 7-8=-2622/0, 8-9=-1921/0, 9-10=-661/0
BOT CHORD 19-20=0/1154, 18-19=0/2237, 17-18=0/2855, 16-17=0/2622, 15-16=0/2622, 14-15=0/2622, 13-14=0/1395, 12-13=0/1395
WEBS 7-16=-301/0, 8-15=0/327, 7-17=-128/410, 6-18=-377/0, 4-18=0/412, 4-19=-686/0, 2-19=0/724, 2-20=-1029/0, 1-20=0/764, 8-14=-924/0, 9-14=0/685, 9-12=-955/0, 10-12=0/926

**NOTES-** (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F230 | Floor | 3 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:50 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-Zv2hj7STevqDOSJ5xfgWkamMpa0tKoD47FkbyJzX2Sx

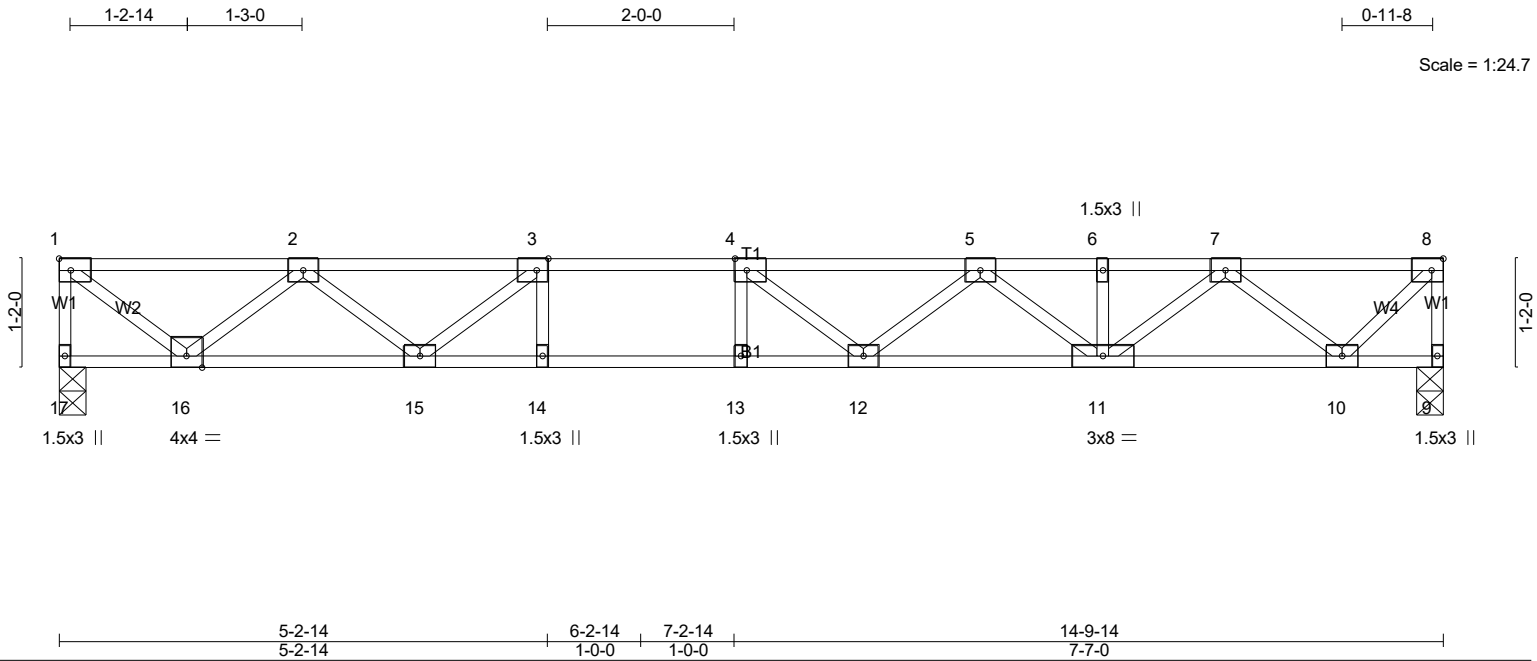



Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [8:0-1-8,Edge]

| **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 | 0.42 | Vert(LL) | -0.17 | 12-13 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.84 | Vert(CT) | -0.23 | 12-13 | >772 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 74 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) 17=646/0-3-6 (min. 0-1-8), 9=646/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-645/0, 8-9=-644/0, 1-2=-699/0, 2-3=-1727/0, 3-4=-2198/0, 4-5=-2181/0, 5-6=-1669/0, 6-7=-1669/0, 7-8=-558/0
BOT CHORD 15-16=0/1338, 14-15=0/2198, 13-14=0/2198, 12-13=0/2198, 11-12=0/2067, 10-11=0/1219
WEBS 3-15=-663/0, 2-15=0/506, 2-16=-833/0, 1-16=0/895, 4-12=-261/150, 5-12=0/252, 5-11=-509/0, 7-11=0/573, 7-10=-861/0, 8-10=0/797

**NOTES-** (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0022 HONEYCUTT HILLS \| 345 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2343-F02 | F231 | Floor | 5 | 1 | Job Reference (optional) **# 46958** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:51 2024 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-15c3wTT5PDy30cuIVMBlHnJRf_L13DIEMvU8UlzX2Sw

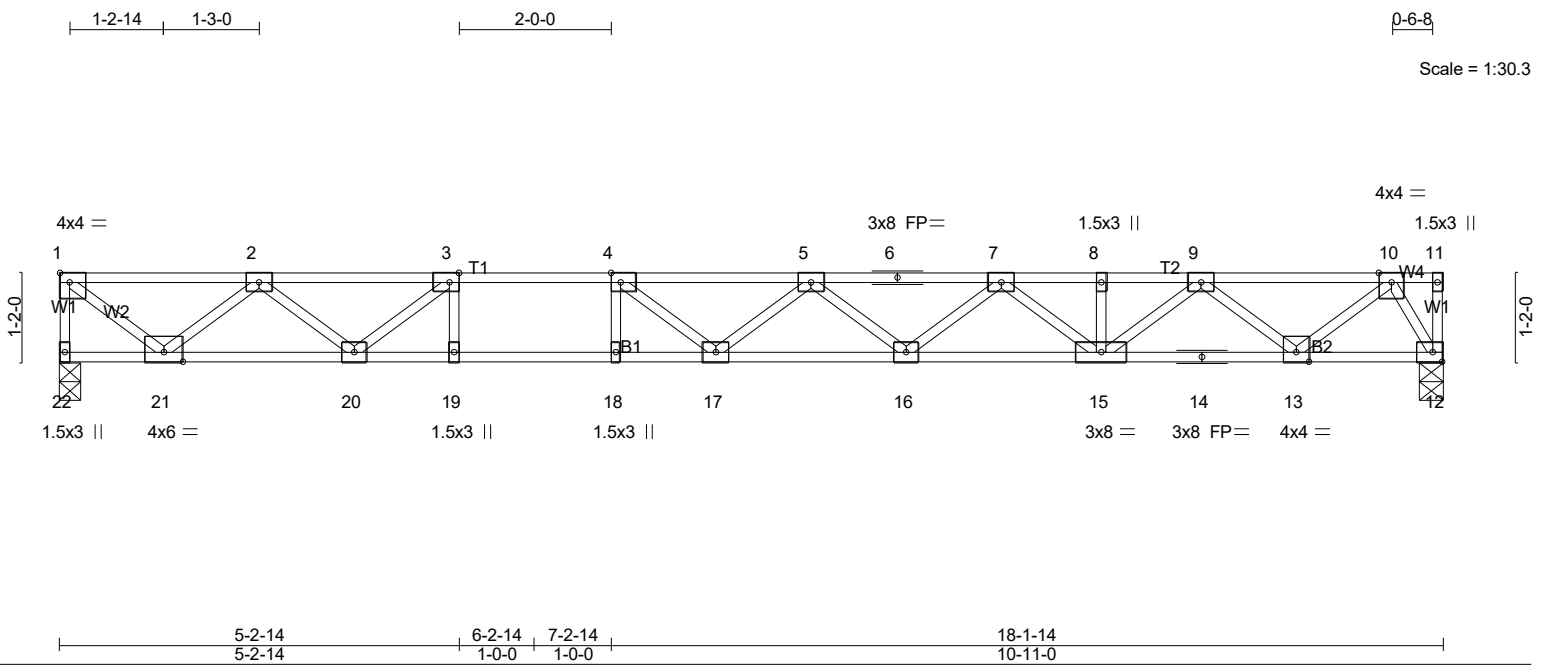



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge]

| **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 | 0.80 | Vert(LL) | -0.35 | 17-18 | >620 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.90 | Vert(CT) | -0.48 | 17-18 | >451 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.54 | Horz(CT) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 90 lb | FT = 20%F, 11%E |

**LUMBER-**
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 22=793/0-3-6 (min. 0-1-8), 12=793/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-795/0, 1-2=-880/0, 2-3=-2261/0, 3-4=-3062/0, 4-5=-3379/0, 5-6=-3223/0, 6-7=-3223/0, 7-8=-2533/0, 8-9=-2533/0, 9-10=-1237/0
BOT CHORD 20-21=0/1677, 19-20=0/3062, 18-19=0/3062, 17-18=0/3062, 16-17=0/3467, 15-16=0/2976, 14-15=0/1977, 13-14=0/1977, 12-13=0/476
WEBS 3-19=0/383, 4-18=-357/0, 3-20=-1056/0, 2-20=0/761, 2-21=-1037/0, 1-21=0/1127, 4-17=-84/546, 5-16=-318/0, 7-16=0/321, 7-15=-565/0, 9-15=0/710, 9-13=-963/0, 10-13=0/991, 10-12=-949/0

**NOTES-** (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

**LOAD CASE(S)** Standard


3/25/2024