# Mark Morris, P.E.

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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 #: 46875
JOB: 24-2342-F02
JOB NAME: LOT 0.0023 HONEYCUTT HILLS
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2015 as well as IRC 2018.
*23 Truss Design(s)*

Trusses:
F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221, F222, F223


**3/22/2024**
**Mark Morris**

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

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

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F201 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46875** |

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0-1-8

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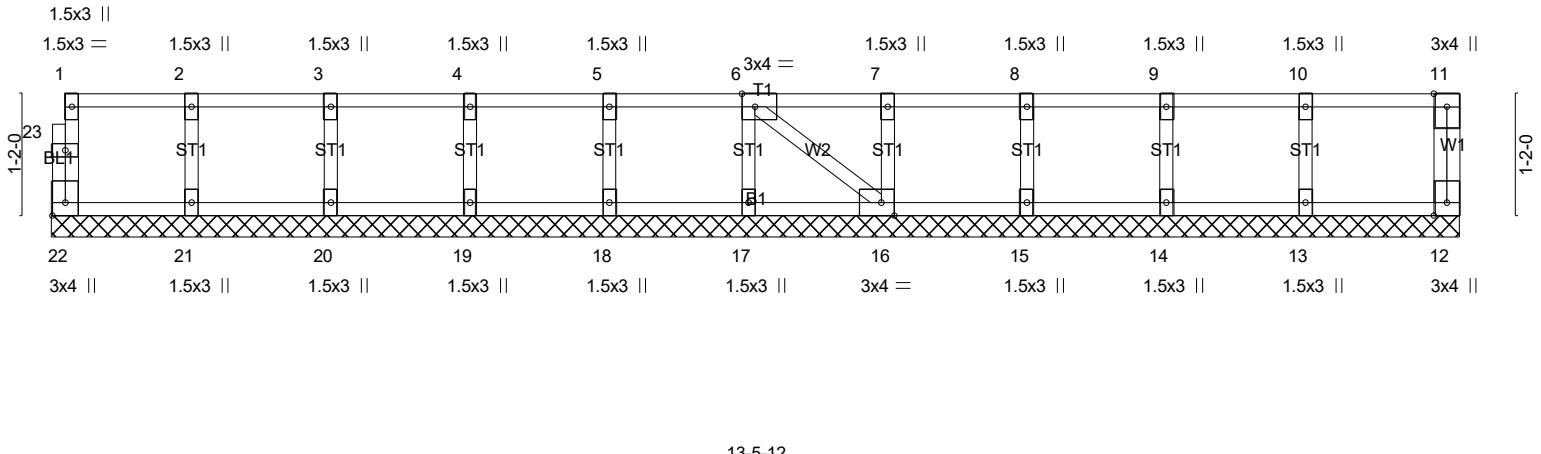


13-5-12
13-5-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.07 | 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 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 60 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 13-5-12.
(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) 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) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F202 | Floor | 4 | 1 | # 46875 |
| | | | | | Job Reference (optional) |

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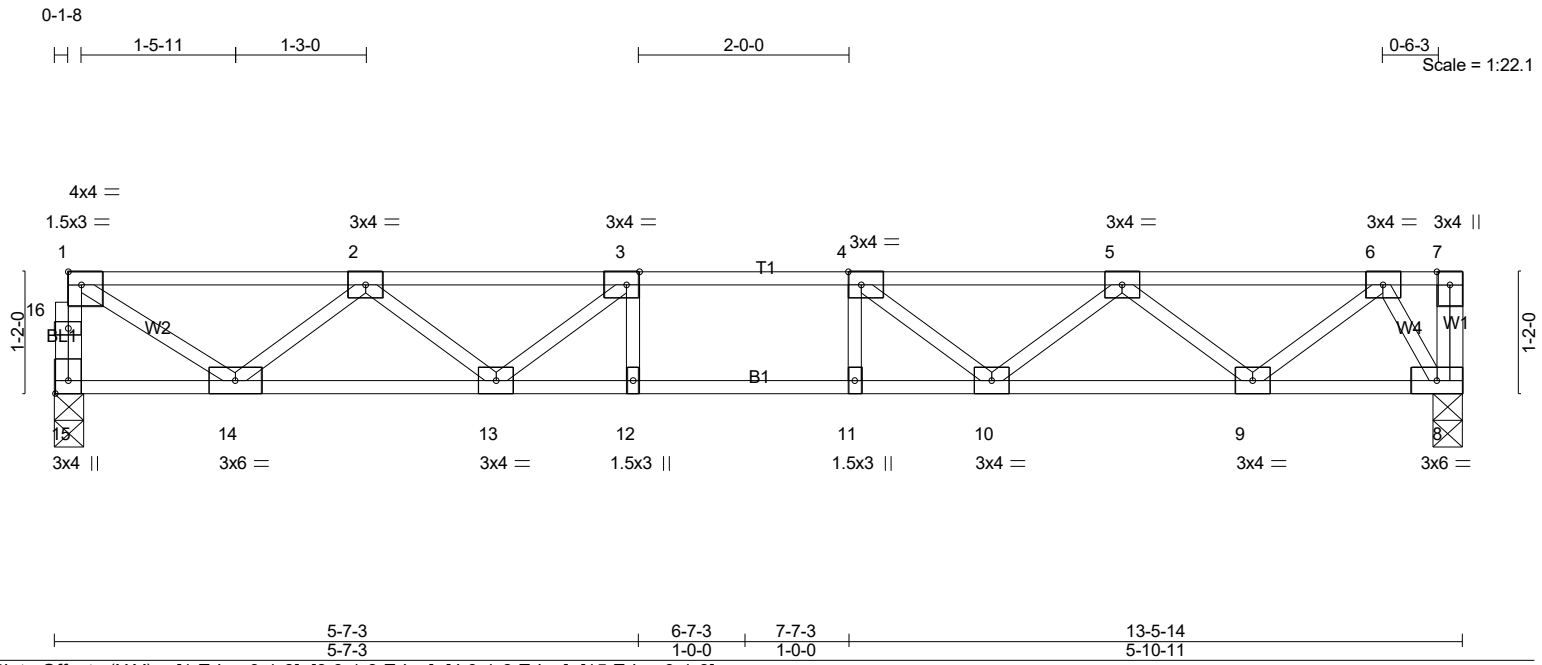





Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

| 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 | 0.34 | Vert(LL) | -0.12 | 10-11 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.67 | Vert(CT) | -0.16 | 10-11 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 68 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=722/0-3-6 (min. 0-1-8), 8=728/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-716/0, 1-16=-715/0, 1-2=-931/0, 2-3=-1951/0, 3-4=-2283/0, 4-5=-2015/0, 5-6=-1104/0
BOT CHORD 13-14=0/1625, 12-13=0/2283, 11-12=0/2283, 10-11=0/2283, 9-10=0/1722, 8-9=0/459
WEBS 3-13=-555/0, 2-13=0/455, 2-14=-904/0, 1-14=0/1073, 4-10=-493/0, 5-10=0/419, 5-9=-804/0, 6-9=0/840, 6-8=-876/0

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F203 | Floor | 4 | 1 | Job Reference (optional) **# 46875** |

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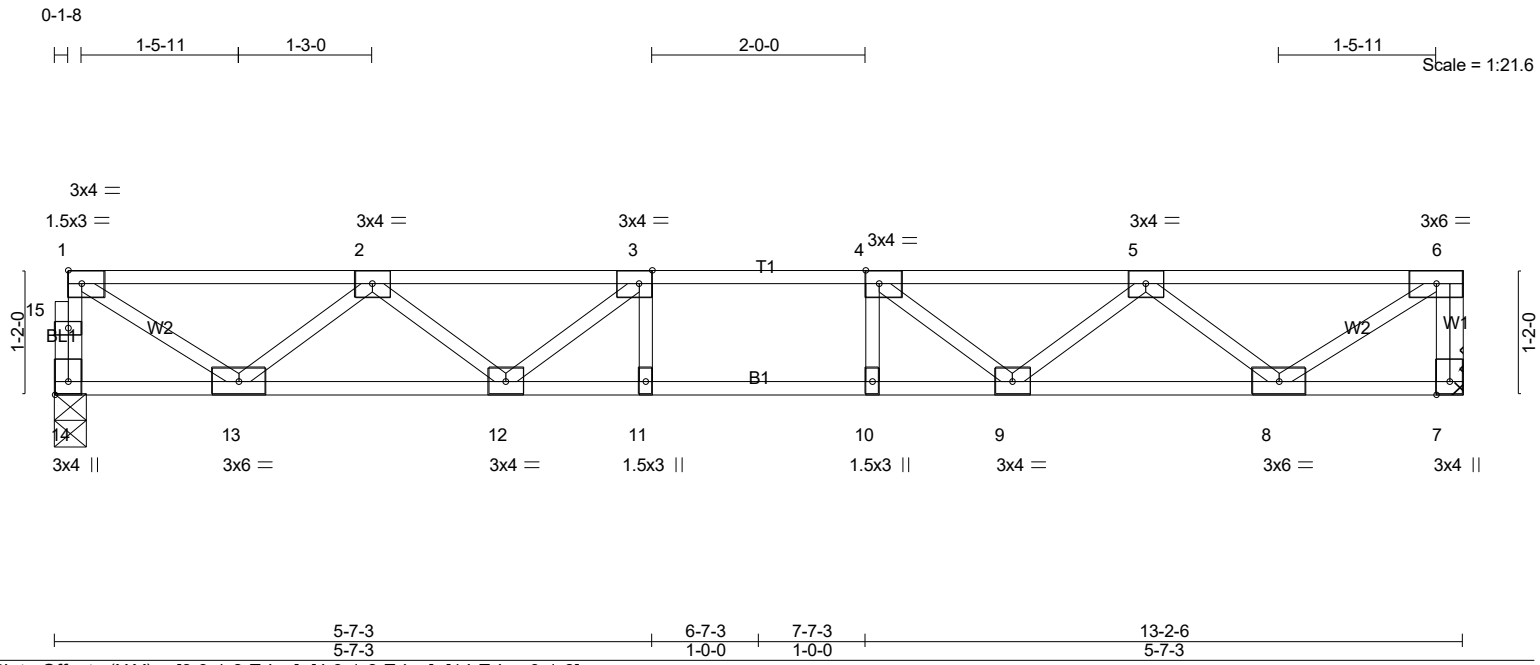


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [14:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.35 | Vert(LL) | -0.11 | 11-12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.60 | Vert(CT) | -0.14 | 11-12 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 66 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** (lb/size) 14=706/0-3-6 (min. 0-1-8), 7=712/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-700/0, 1-15=-698/0, 6-7=-705/0, 1-2=-906/0, 2-3=-1888/0, 3-4=-2182/0, 4-5=-1889/0, 5-6=-905/0
BOT CHORD 12-13=0/1584, 11-12=0/2182, 10-11=0/2182, 9-10=0/2182, 8-9=0/1586
WEBS 3-12=-512/0, 2-12=0/430, 2-13=-881/0, 1-13=0/1044, 4-9=-511/0, 5-9=0/429, 5-8=-887/0, 6-8=0/1080

**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F204 | Floor | 2 | 1 | Job Reference (optional) **# 46875** |

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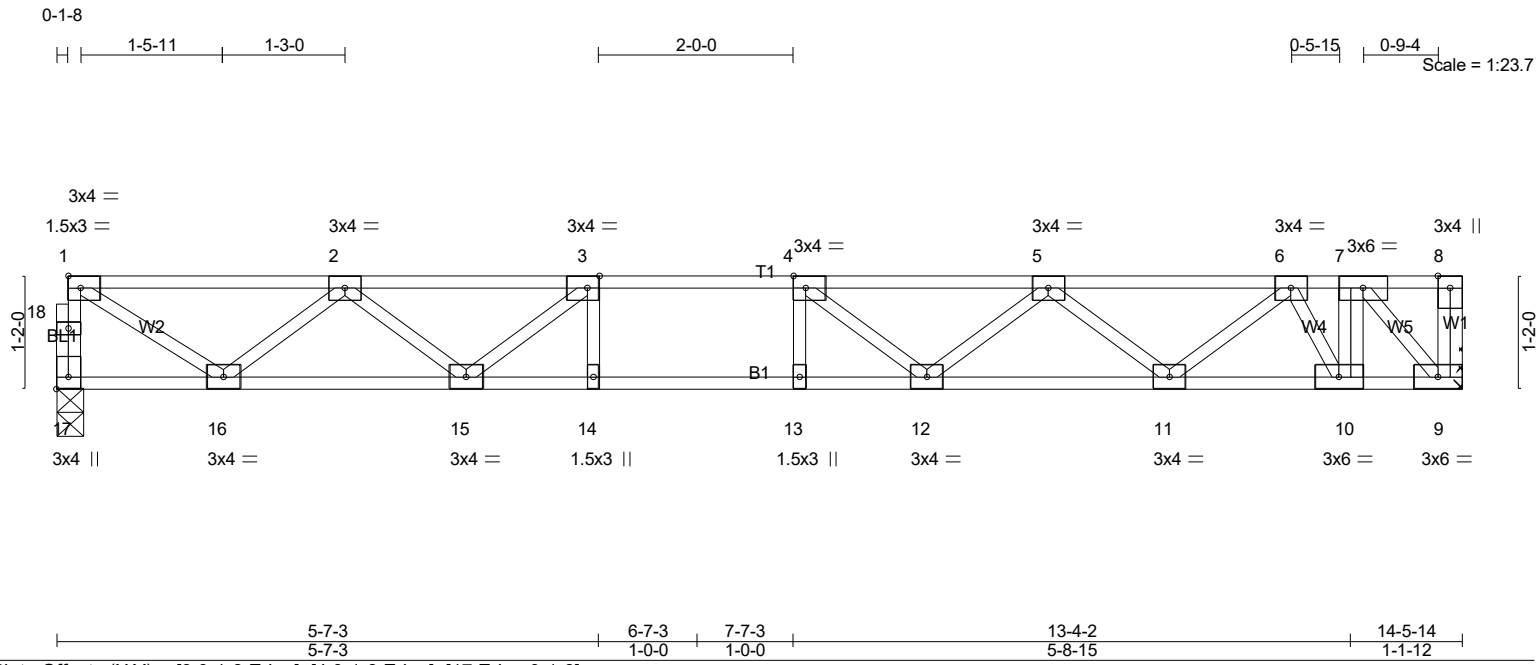





Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

| **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 | 0.29 | Vert(LL) | -0.11 | 12-13 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.58 | Vert(CT) | -0.15 | 12-13 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.37 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 76 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=518/0-3-6 (min. 0-1-8), 9=522/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-515/0, 1-18=-514/0, 1-2=-676/0, 2-3=-1446/0, 3-4=-1749/0, 4-5=-1652/0, 5-6=-1133/0, 6-7=-476/0
BOT CHORD 15-16=0/1178, 14-15=0/1749, 13-14=0/1749, 12-13=0/1749, 11-12=0/1507, 10-11=0/745, 9-10=0/476
WEBS 7-10=0/462, 3-15=-462/0, 2-15=0/361, 2-16=-654/0, 1-16=0/779, 4-12=-277/40, 5-11=-487/0, 6-11=0/505, 6-10=-526/0, 7-9=-680/0

**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F205 | Floor | 3 | 1 | # 46875 |
| | | | | | Job Reference (optional) |

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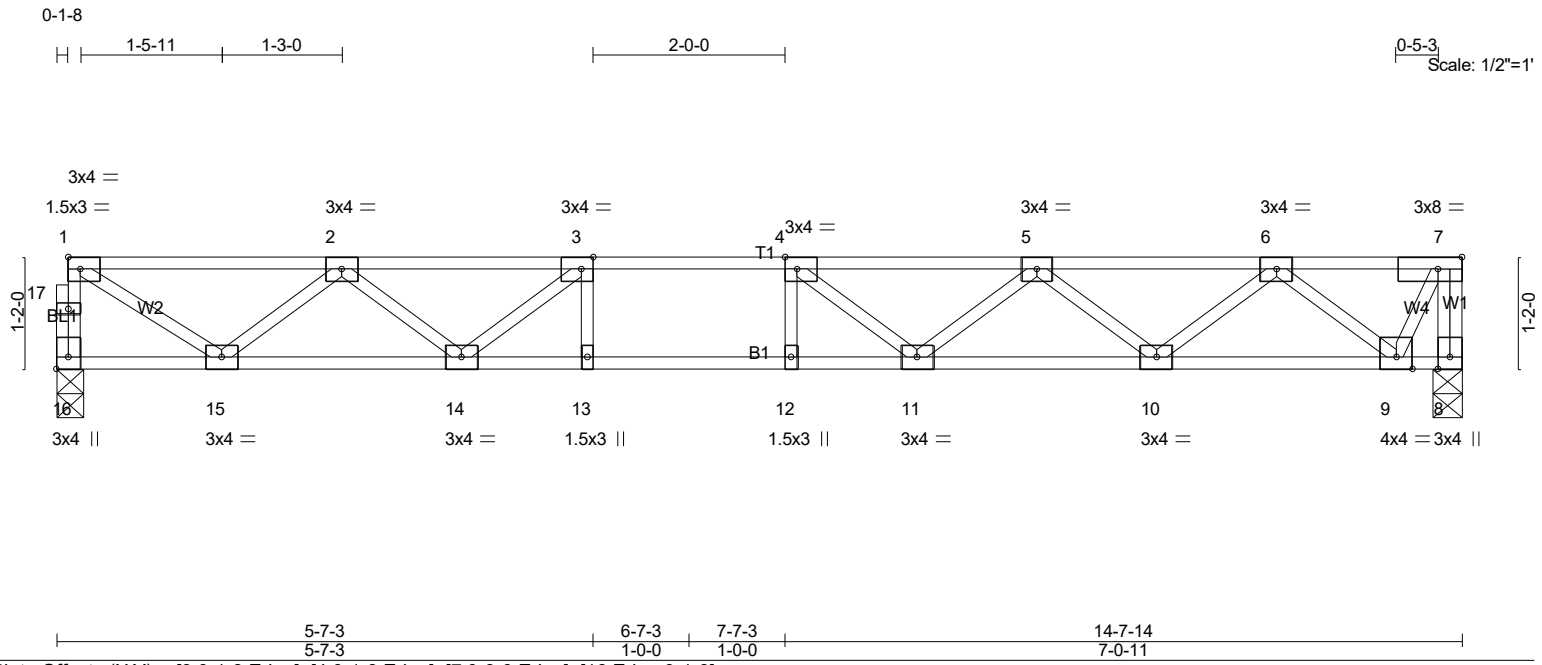


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [7:0-3-0,Edge], [16:Edge,0-1-8]

| 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 | 0.30 | Vert(LL) | -0.12 | 11-12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.60 | Vert(CT) | -0.16 | 11-12 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.38 | Horz(CT) | 0.02 | 8 | 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) 16=524/0-3-6 (min. 0-1-8), 8=528/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-521/0, 1-17=-520/0, 7-8=-530/0, 1-2=-685/0, 2-3=-1470/0, 3-4=-1787/0, 4-5=-1703/0, 5-6=-1202/0, 6-7=-259/0
BOT CHORD 14-15=0/1194, 13-14=0/1787, 12-13=0/1787, 11-12=0/1787, 10-11=0/1566, 9-10=0/822
WEBS 3-14=-478/0, 2-14=0/371, 2-15=-662/0, 1-15=0/790, 4-11=-269/54, 5-10=-474/0, 6-10=0/494, 6-9=-733/0, 7-9=0/549

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F206 | Floor | 7 | 1 | Job Reference (optional) **# 46875** |

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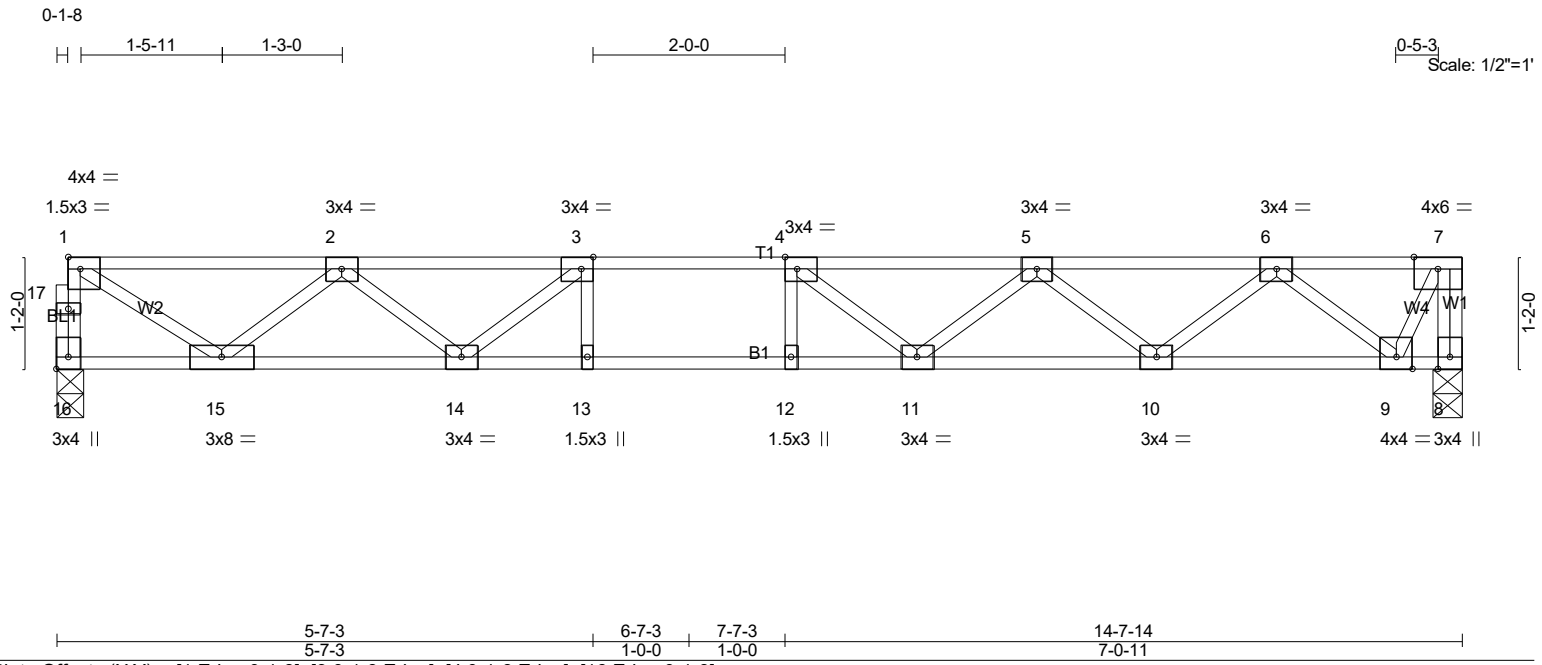


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

| **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 | 0.47 | Vert(LL) | -0.18 | 11-12 | >973 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.91 | Vert(CT) | -0.24 | 11-12 | >724 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.56 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 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) 16=786/0-3-6 (min. 0-1-8), 8=792/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-782/0, 1-17=-780/0, 7-8=-795/0, 1-2=-1027/0, 2-3=-2205/0, 3-4=-2680/0, 4-5=-2554/0, 5-6=-1803/0, 6-7=-389/0
BOT CHORD 14-15=0/1791, 13-14=0/2680, 12-13=0/2680, 11-12=0/2680, 10-11=0/2349, 9-10=0/1233
WEBS 3-14=-717/0, 2-14=0/557, 2-15=-994/0, 1-15=0/1185, 4-11=-403/81, 5-11=0/362, 5-10=-711/0, 6-10=0/742, 6-9=-1099/0, 7-9=0/824

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F207 | Floor | 1 | 1 | Job Reference (optional) **# 46875** |

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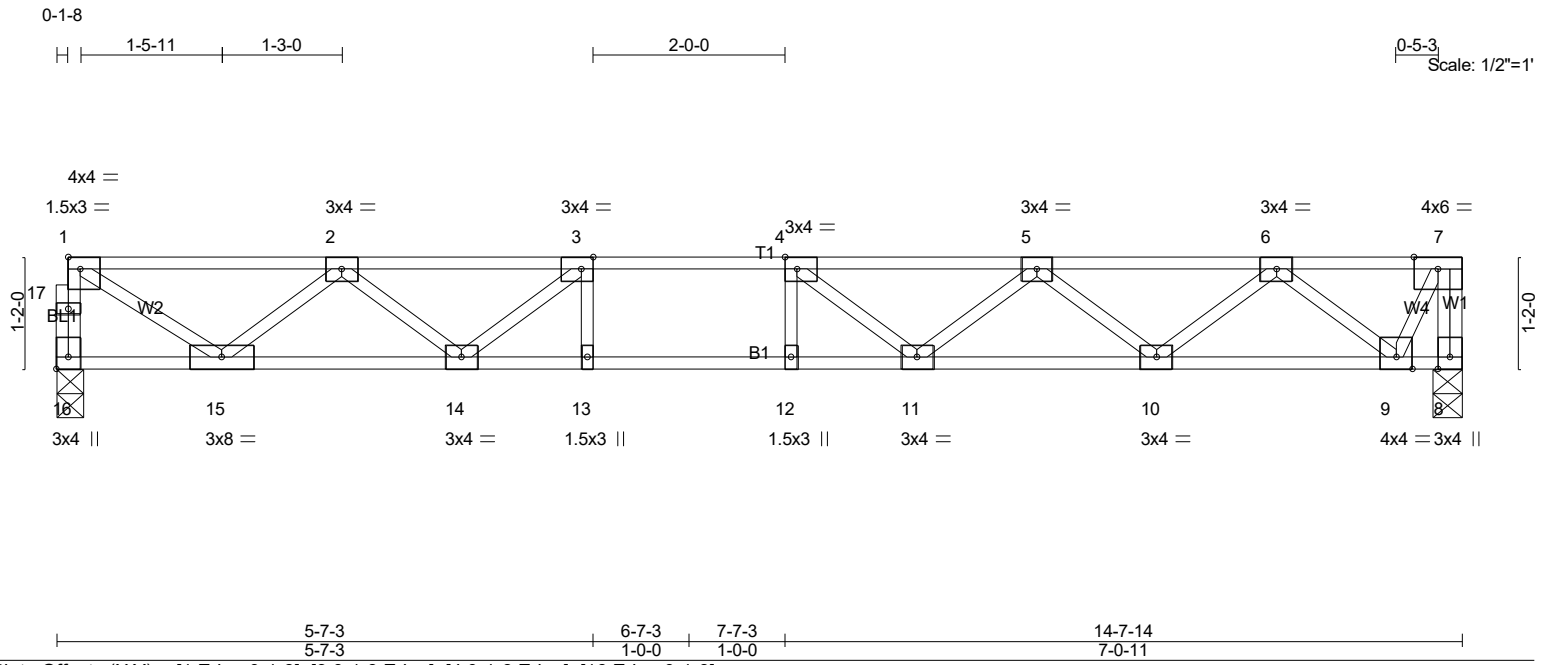


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

| **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 | 0.47 | Vert(LL) | -0.18 | 11-12 | >973 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.91 | Vert(CT) | -0.24 | 11-12 | >724 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.56 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 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) 16=786/0-3-6 (min. 0-1-8), 8=792/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-782/0, 1-17=-780/0, 7-8=-795/0, 1-2=-1027/0, 2-3=-2205/0, 3-4=-2680/0, 4-5=-2554/0, 5-6=-1803/0, 6-7=-389/0
BOT CHORD 14-15=0/1791, 13-14=0/2680, 12-13=0/2680, 11-12=0/2680, 10-11=0/2349, 9-10=0/1233
WEBS 3-14=-717/0, 2-14=0/557, 2-15=-994/0, 1-15=0/1185, 4-11=-403/81, 5-11=0/362, 5-10=-711/0, 6-10=0/742, 6-9=-1099/0, 7-9=0/824

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F208 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:03 2024 Page 1
ID:?Kkqso4ztKzrc_6PKJisl7yBP0h-vyurxU?aZmc2Wgttm2TQQFZehptTLYo6SIKI_9zXkiw

0-1-8

Scale: 1/2"=1'

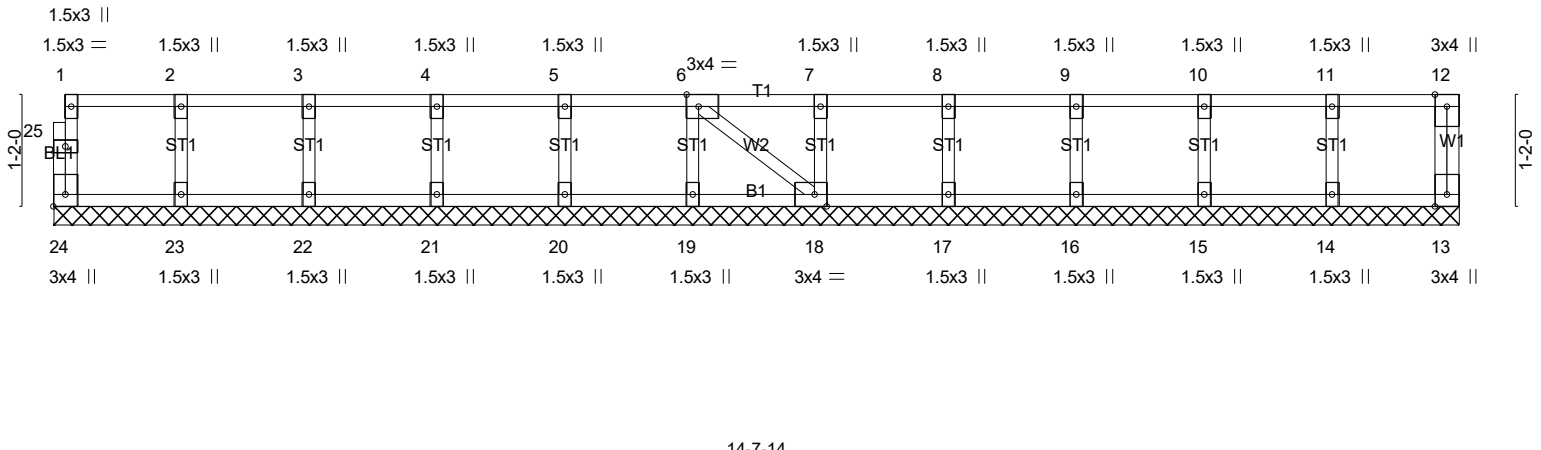


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 64 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 14-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

**NOTES-** (6)
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) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F209 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:04 2024 Page 1
ID:?Kkqso4ztKzrc_6PKJisl7yBP0h-N8SE9q0CK3kv7qS3Kl_fzS6pQDDi4?2Ggy3rXczXkiv

0-1-8

Scale = 1:29.6

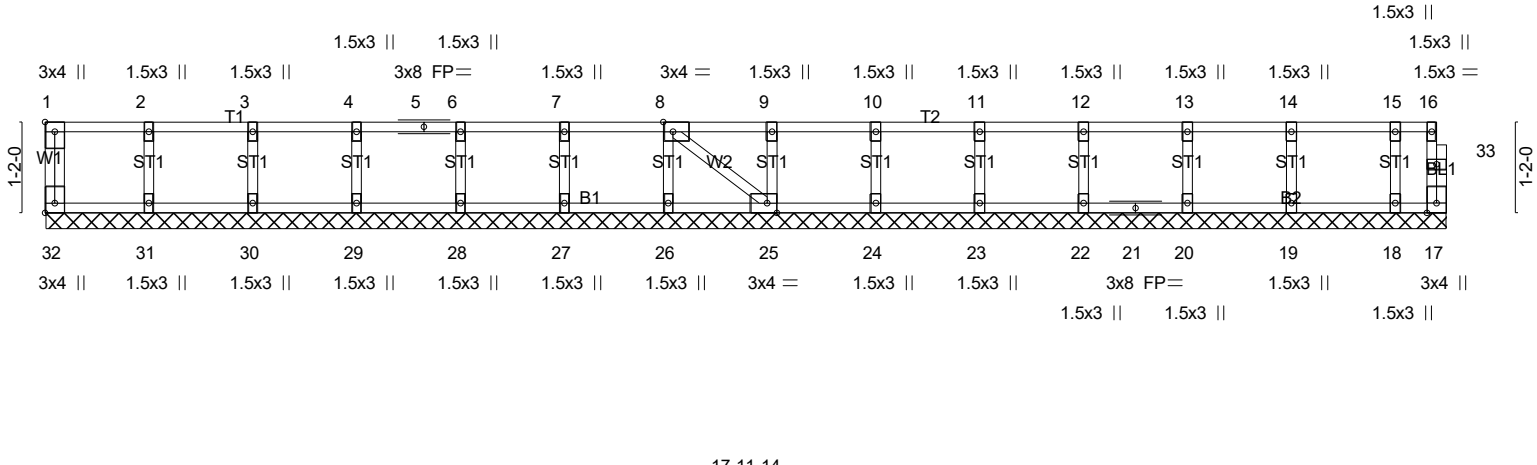


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 17 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 78 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 17-11-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

**NOTES-** (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) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F210 | Floor | 2 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:05 2024 Page 1
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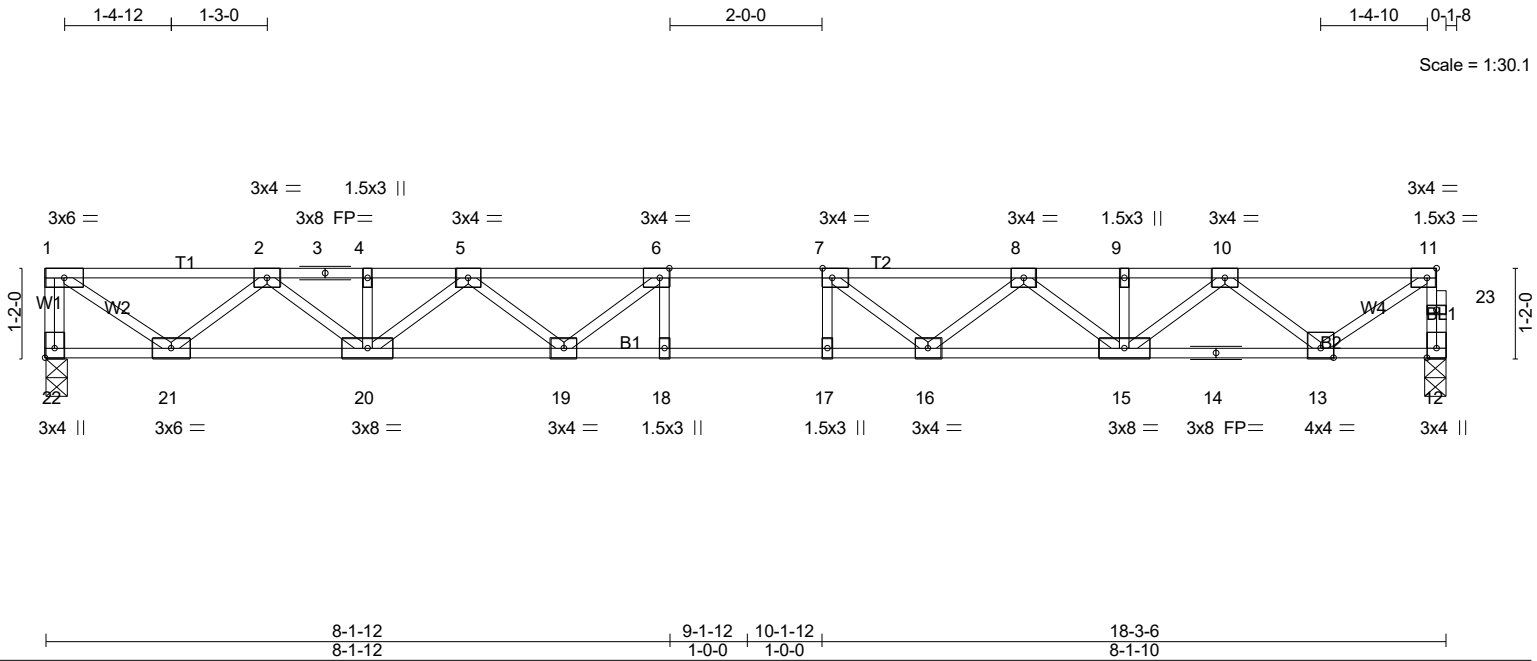


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]

| **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 | 0.32 | Vert(LL) | -0.21 | 17-18 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.68 | Vert(CT) | -0.29 | 17-18 | >756 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.49 | Horz(CT) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 93 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) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-846/0, 2-3=-1993/0, 3-4=-1993/0, 4-5=-1993/0, 5-6=-2630/0, 6-7=-2838/0, 7-8=-2628/0, 8-9=-1990/0, 9-10=-1990/0, 10-11=-841/0
BOT CHORD 20-21=0/1524, 19-20=0/2416, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2413, 14-15=0/1518, 13-14=0/1518
WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/598, 2-21=-884/0, 1-21=0/1025, 7-16=-445/9, 8-16=0/354, 8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/988

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F211 | Floor | 3 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:06 2024 Page 1
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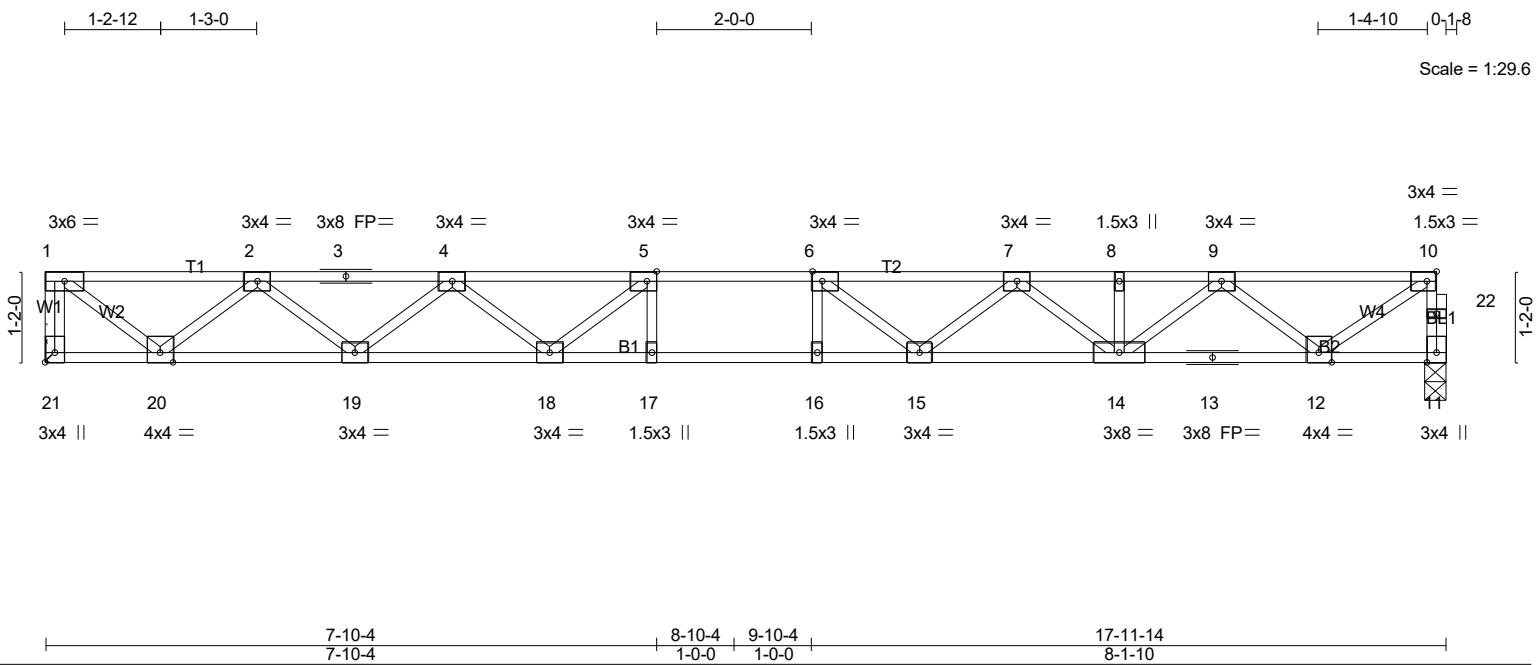


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]

| **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 | 0.32 | Vert(LL) | -0.20 | 16 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.69 | Vert(CT) | -0.27 | 16-17 | >787 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.46 | Horz(CT) | 0.05 | 11 | 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 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=650/Mechanical, 11=646/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-646/0, 11-22=-642/0, 10-22=-641/0, 1-2=-747/0, 2-3=-1865/0, 3-4=-1865/0, 4-5=-2515/0, 5-6=-2746/0, 6-7=-2561/0, 7-8=-1948/0, 8-9=-1948/0, 9-10=-827/0
BOT CHORD 19-20=0/1421, 18-19=0/2288, 17-18=0/2746, 16-17=0/2746, 15-16=0/2746, 14-15=0/2360, 13-14=0/1490, 12-13=0/1490
WEBS 5-18=-457/0, 4-18=0/358, 4-19=-550/0, 2-19=0/578, 2-20=-878/0, 1-20=0/942, 6-15=-419/25, 7-15=0/337, 7-14=-526/0, 9-14=0/585, 9-12=-863/0, 10-12=0/971

**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F212 | Floor | 2 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:07 2024 Page 1
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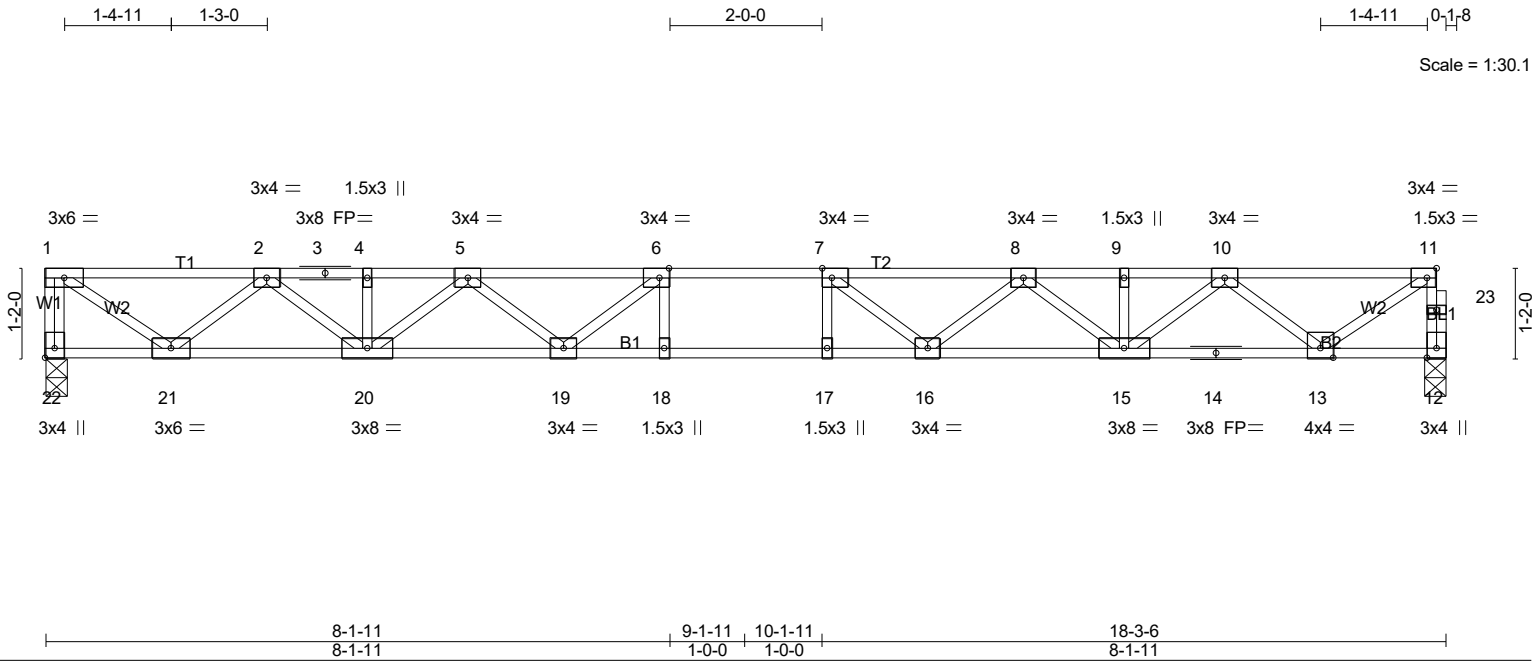


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]

| **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 | 0.32 | Vert(LL) | -0.21 | 17-18 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.68 | Vert(CT) | -0.29 | 17-18 | >756 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.49 | Horz(CT) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 93 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) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-844/0, 2-3=-1992/0, 3-4=-1992/0, 4-5=-1992/0, 5-6=-2629/0, 6-7=-2838/0, 7-8=-2629/0, 8-9=-1991/0, 9-10=-1991/0, 10-11=-843/0
BOT CHORD 20-21=0/1523, 19-20=0/2415, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2414, 14-15=0/1519, 13-14=0/1519
WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1024, 7-16=-445/9, 8-16=0/354, 8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/990

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F213 | Floor | 3 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:08 2024 Page 1
ID:?Kkqso4ztKzrc_6PKJisl7yBP0h-Gwhk?B3jOIELcRlqZb3b7IGMzqQR0fhrbZ13gNzXkir

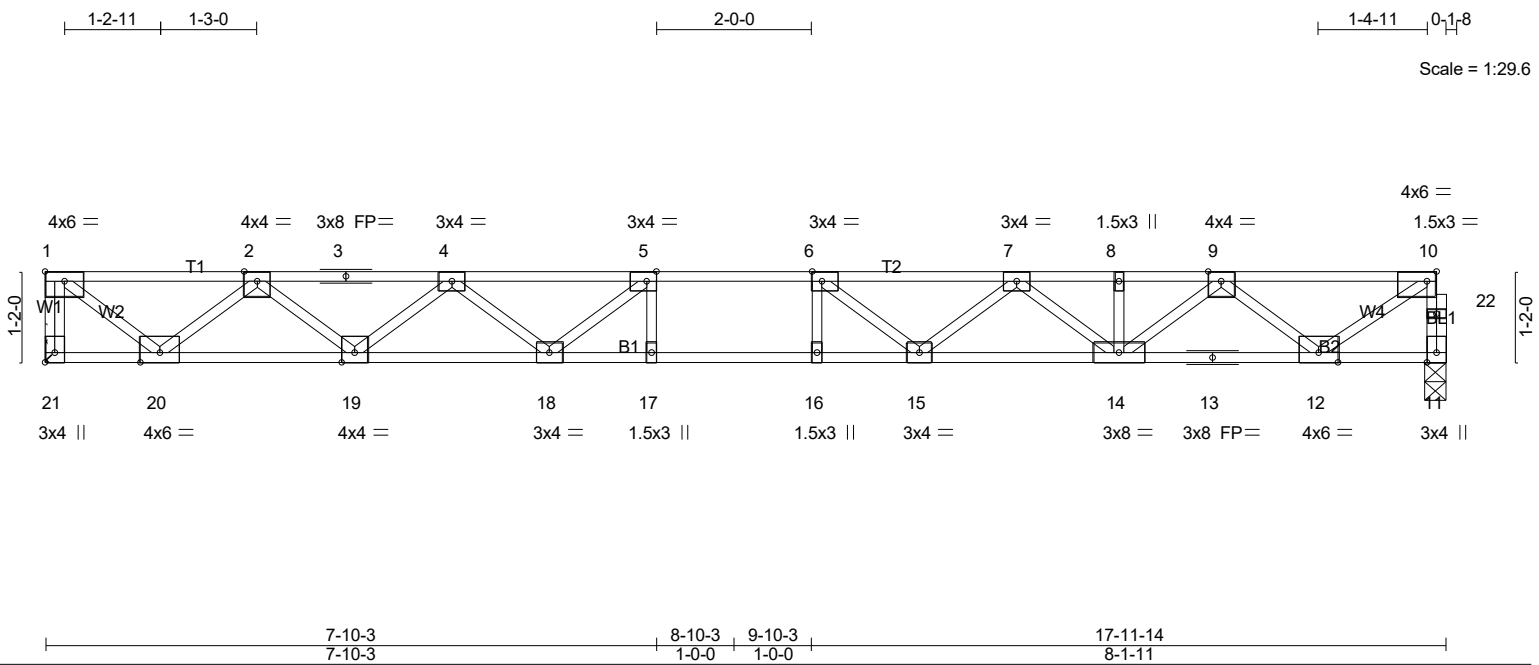


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]

| **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 | 0.54 | Vert(LL) | -0.28 | 16 | >761 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.66 | Vert(CT) | -0.38 | 16-17 | >553 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.69 | Horz(CT) | 0.06 | 11 | 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 21=976/Mechanical, 11=969/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-968/0, 11-22=-963/0, 10-22=-962/0, 1-2=-1117/0, 2-3=-2796/0, 3-4=-2796/0, 4-5=-3771/0, 5-6=-4119/0, 6-7=-3841/0, 7-8=-2923/0, 8-9=-2923/0, 9-10=-1243/0
BOT CHORD 19-20=0/2130, 18-19=0/3430, 17-18=0/4119, 16-17=0/4119, 15-16=0/4119, 14-15=0/3542, 13-14=0/2237, 12-13=0/2237
WEBS 5-18=-689/0, 4-18=0/534, 4-19=-825/0, 2-19=0/868, 2-20=-1318/0, 1-20=0/1411, 6-15=-630/41, 7-15=0/501, 7-14=-789/0, 9-14=0/876, 9-12=-1294/0, 10-12=0/1459

**NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F214 | Floor Girder | 1 | 1 | Job Reference (optional) **# 46875** |

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Mar 24 12:16:09 2024 Page 1
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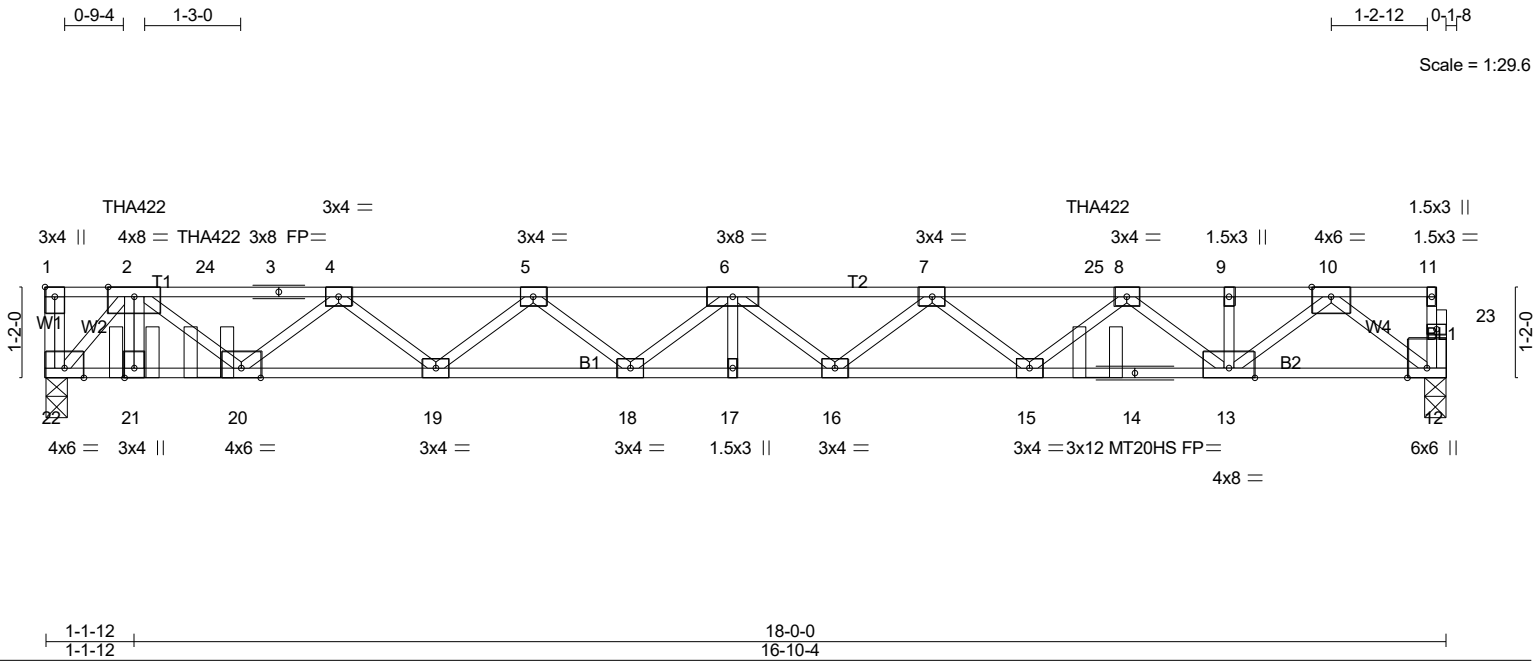


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

| **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 | 0.84 | Vert(LL) | -0.34 | 17 | >632 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.80 | Vert(CT) | -0.47 | 17 | >454 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.74 | Horz(CT) | 0.08 | 12 | 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 SS(flat) *Except*
B2: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 22=1608/0-3-8 (min. 0-1-8), 12=1198/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-2605/0, 3-24=-2605/0, 3-4=-2605/0, 4-5=-4064/0, 5-6=-4821/0, 6-7=-4931/0, 7-25=-4328/0, 8-25=-4328/0, 8-9=-2696/0, 9-10=-2696/0
BOT CHORD 21-22=0/1589, 20-21=0/1589, 19-20=0/3509, 18-19=0/4589, 17-18=0/5038, 16-17=0/5038, 15-16=0/4804, 14-15=0/3825, 13-14=0/3825, 12-13=0/1477
WEBS 2-22=-2257/0, 2-20=0/1279, 4-20=-1177/0, 4-19=0/723, 5-19=-683/0, 5-18=0/302, 6-18=-278/0, 7-15=-619/0, 8-15=0/656, 8-13=-1441/0, 10-13=0/1557, 10-12=-1859/0

**NOTES-** (7)
1) All plates are MT20 plates unless otherwise indicated.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
4) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-1-12 from the left end to 13-6-4 to connect truss(es) F215 (1 ply 2x4 SP), F216 (1 ply 2x4 SP), F217 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.
6) 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: 12-22=-10, 1-11=-100
Concentrated Loads (lb)
Vert: 2=-536(B) 24=-74(B) 25=-250(B)


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F215 | FLOOR GIRDER | 1 | 1 | Job Reference (optional) **# 46875** |

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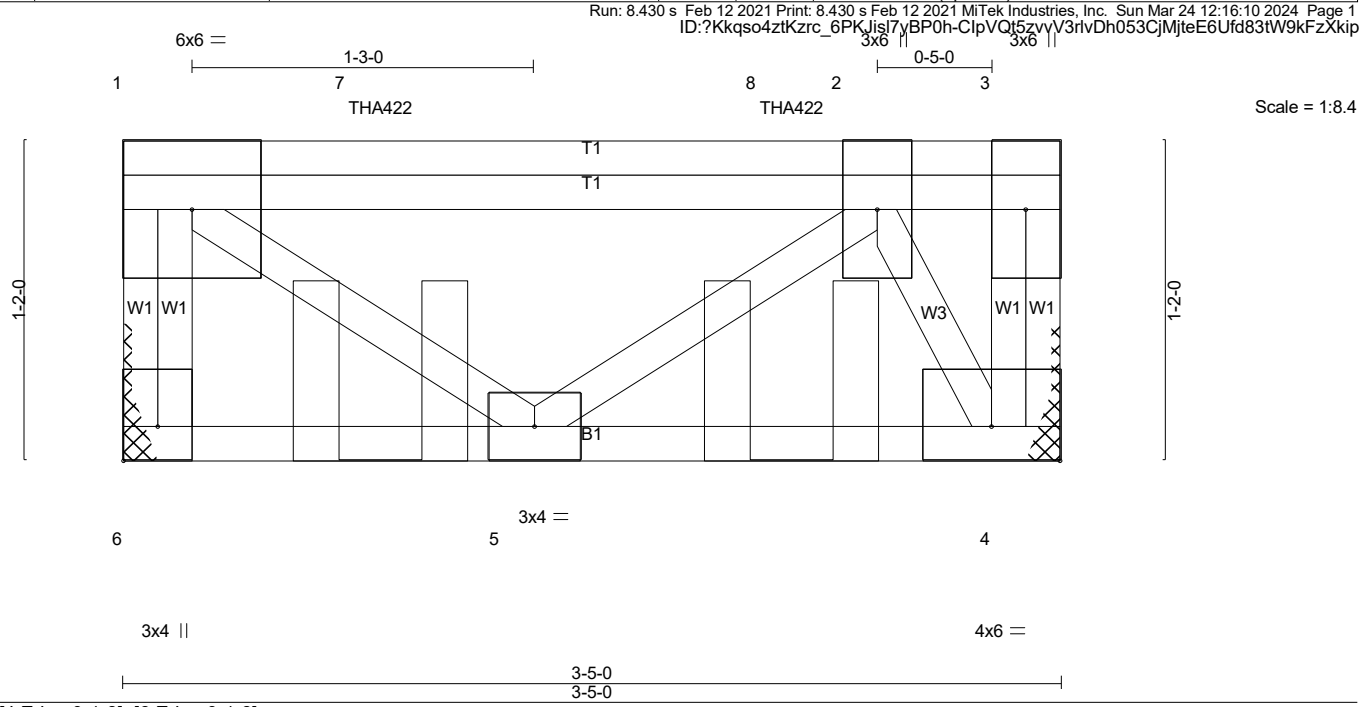


Plate Offsets (X,Y)-- [4:Edge,0-1-8], [6:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.51 | Vert(LL) | -0.00 | 5 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.13 | Vert(CT) | -0.00 | 5 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.28 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 26 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=636/Mechanical, 4=624/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-629/0, 3-4=0/472, 1-7=-326/0, 7-8=-326/0, 2-8=-326/0
BOT CHORD 4-5=0/601
WEBS 1-5=0/400, 2-5=-350/0, 2-4=-1242/0

**NOTES-** (6)
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) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-6-0 oc max. starting at 0-11-4 from the left end to 2-5-4 to connect truss(es) F204 (1 ply 2x4 SP) to back face of top chord.
4) Fill all nail holes where hanger is in contact with lumber.
5) 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: 4-6=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 7=-455(B) 8=-455(B)


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F216 | Floor | 1 | 1 | Job Reference (optional) **# 46875** |

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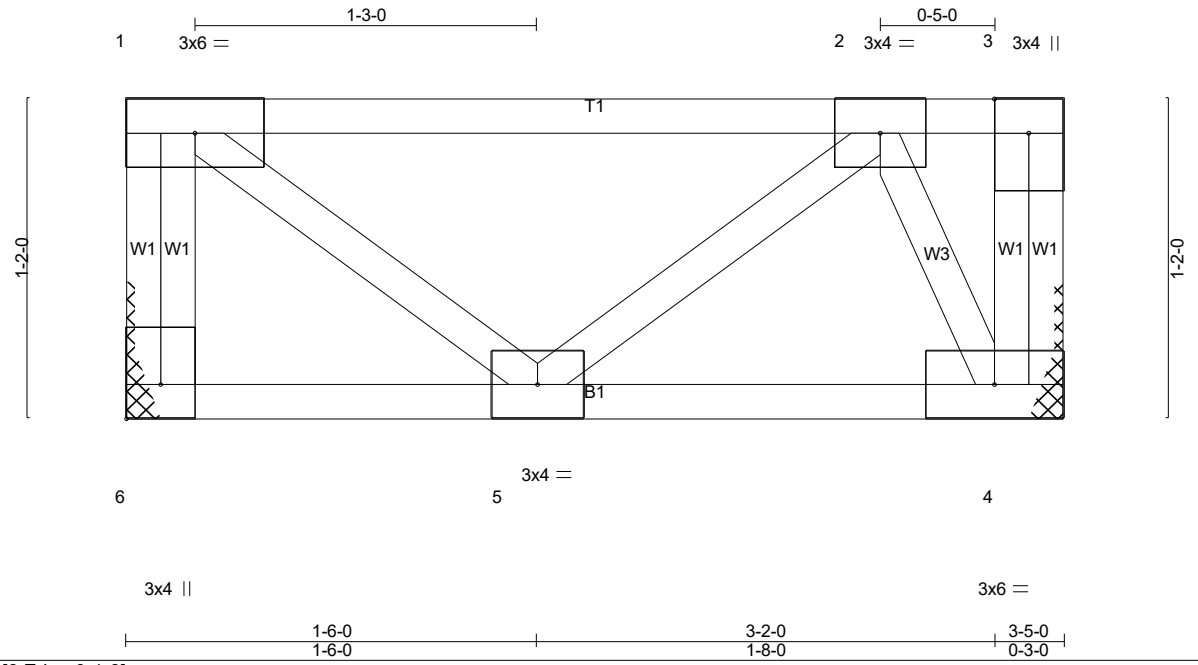


Scale = 1:8.4

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

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.28 | Vert(LL) | -0.00 | 5 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.04 | Vert(CT) | -0.00 | 5 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 22 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=174/Mechanical, 4=174/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-303/0

**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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F217 | Floor Girder | 1 | 1 | Job Reference (optional) **# 46875** |

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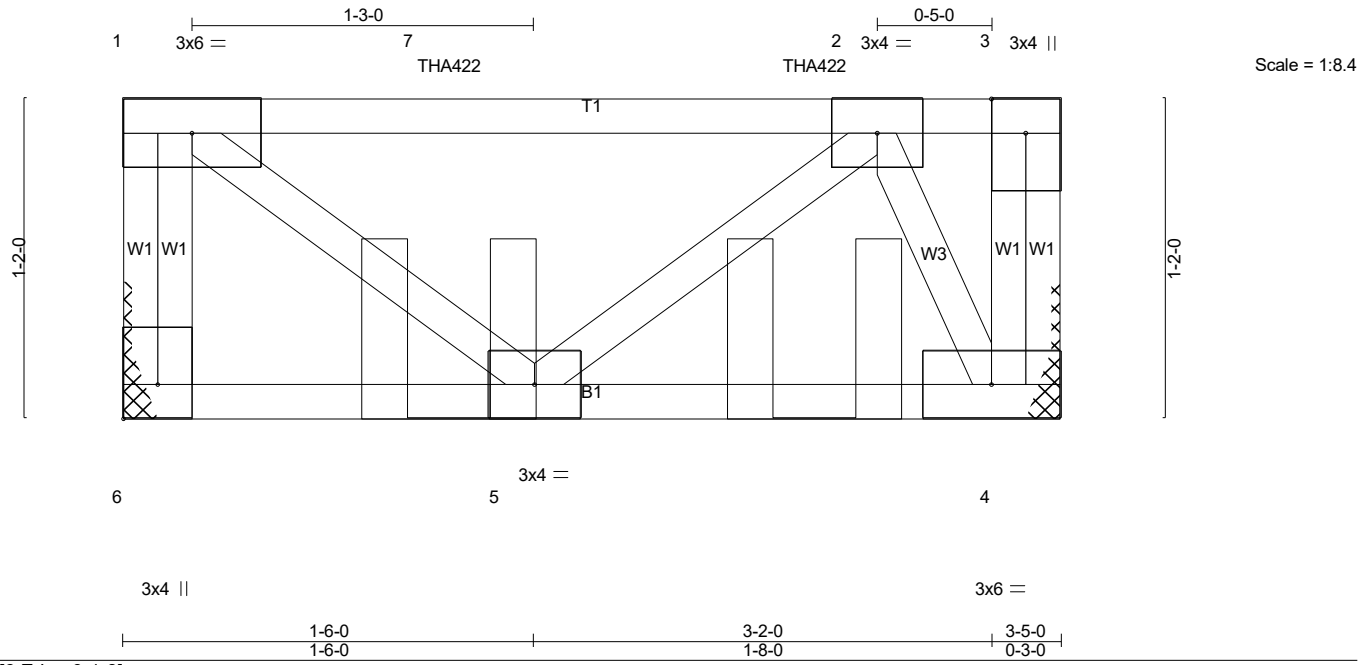


Plate Offsets (X,Y)-- [6:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.89 | Vert(LL) | -0.00 | 5 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.08 | Vert(CT) | -0.00 | 5 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.17 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 22 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=350/Mechanical, 4=420/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-344/0
BOT CHORD 4-5=0/339
WEBS 2-4=-735/0

**NOTES-** (6)
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) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-0 oc max. starting at 1-2-4 from the left end to 2-6-4 to connect truss(es) F218 (1 ply 2x4 SP) to front face of top chord.
4) Fill all nail holes where hanger is in contact with lumber.
5) 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: 4-6=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 2=-211(F) 7=-211(F)


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F218 | Floor | 2 | 1 | Job Reference (optional) **# 46875** |

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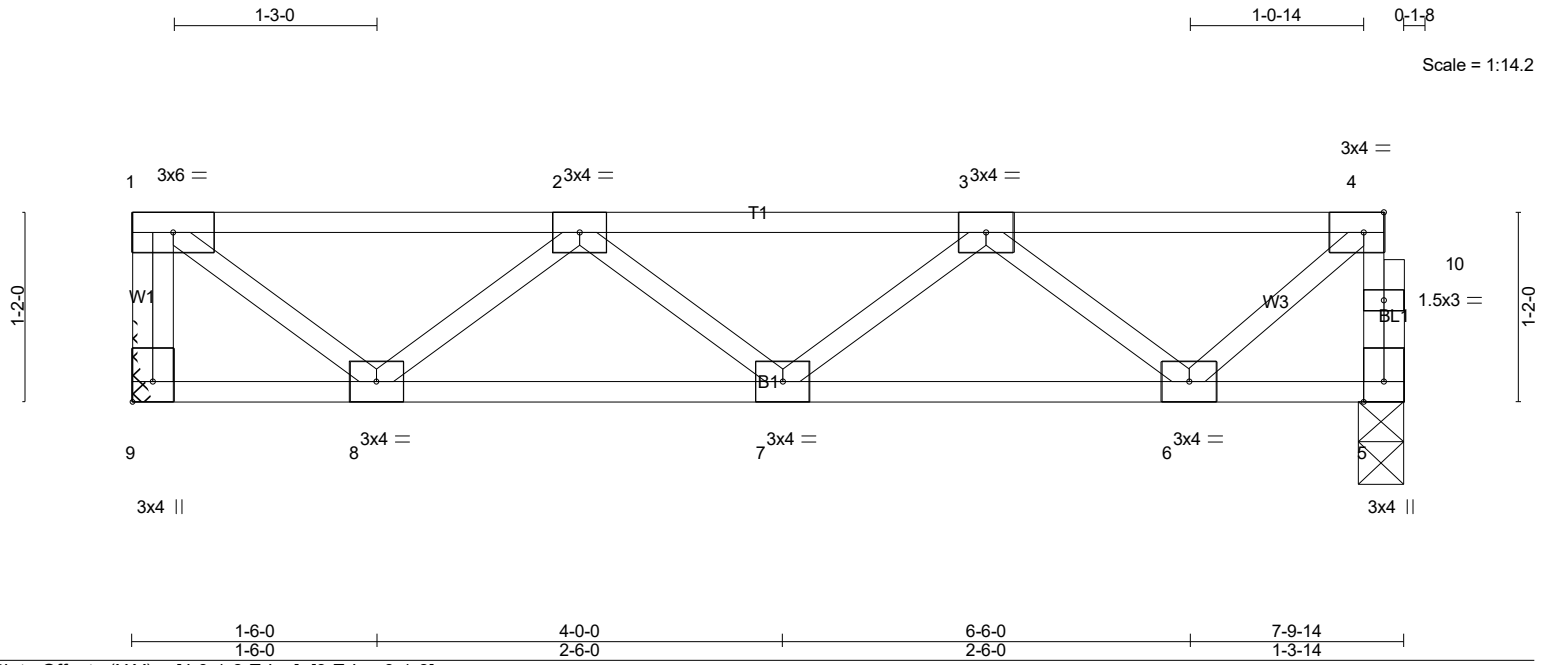


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

| 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 | 0.18 | Vert(LL) | -0.01 | 7 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.10 | Vert(CT) | -0.01 | 7 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.16 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 42 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) 9=278/Mechanical, 5=274/0-3-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-274/0, 5-10=-271/0, 4-10=-271/0, 1-2=-268/0, 2-3=-495/0
BOT CHORD 7-8=0/496, 6-7=0/473
WEBS 1-8=0/336, 2-8=-296/0, 3-6=-302/0, 4-6=0/306

**NOTES-** (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) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F219 | Floor Girder | 1 | 1 | Job Reference (optional) **# 46875** |

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0-1-8

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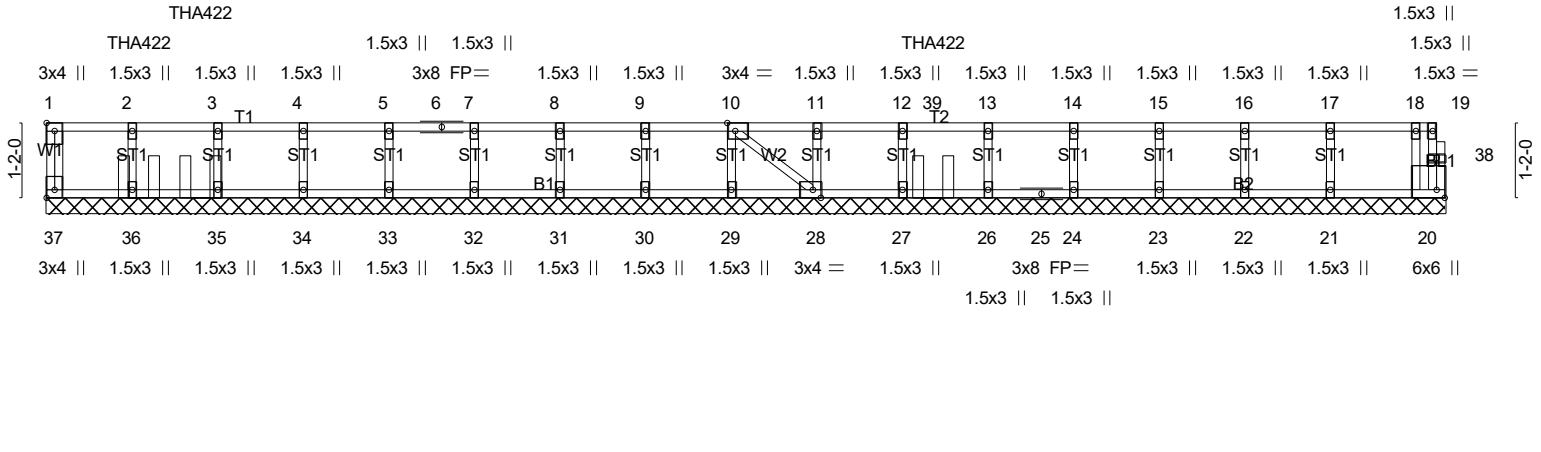


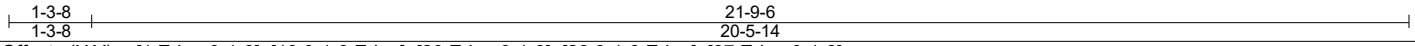


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [20:Edge,0-1-8], [28:0-1-8,Edge], [37:Edge,0-1-8]

| **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 | 0.35 | 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 | NO | WB | 0.15 | Horz(CT) | 0.00 | 20 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 94 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 21-9-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 37, 20, 35, 34, 33, 32, 31, 30, 29, 28, 24, 23, 22, 21 except 36=676(LC 1), 27=392(LC 1), 26=279(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-36=-662/0, 12-27=-378/0, 13-26=-266/0

**NOTES-** (9)
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) CAUTION, Do not erect truss backwards.
6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-5-4 from the left end to 13-9-12 to connect truss(es) F215 (1 ply 2x4 SP), F216 (1 ply 2x4 SP), F217 (1 ply 2x4 SP) to front face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) 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: 20-37=-10, 1-19=-100
Concentrated Loads (lb)
Vert: 2=-524(F) 3=-74(F) 39=-320(F)


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F220 | Floor | 3 | 1 | Job Reference (optional) **# 46875** |

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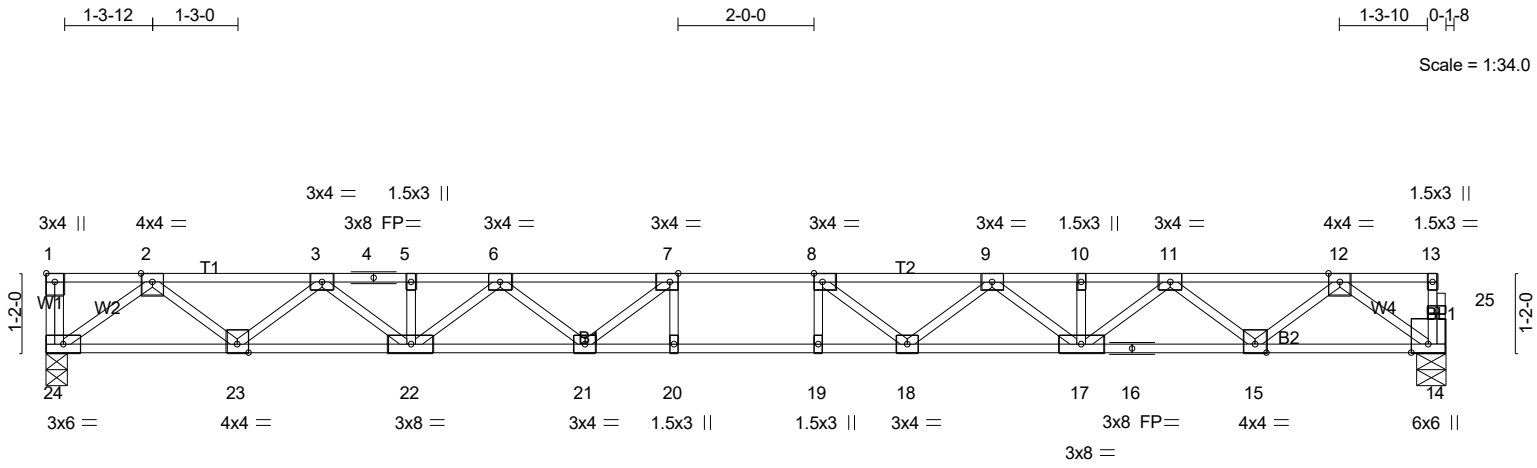


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

| **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 | 0.40 | Vert(LL) | -0.33 | 19-20 | >738 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.83 | Vert(CT) | -0.46 | 19-20 | >535 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.42 | Horz(CT) | 0.07 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 104 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) 24=747/0-3-8 (min. 0-1-8), 14=743/0-5-2 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1646/0, 3-4=-2782/0, 4-5=-2782/0, 5-6=-2782/0, 6-7=-3415/0, 7-8=-3623/0, 8-9=-3413/0, 9-10=-2778/0, 10-11=-2778/0, 11-12=-1640/0
BOT CHORD 23-24=0/977, 22-23=0/2292, 21-22=0/3200, 20-21=0/3623, 19-20=0/3623, 18-19=0/3623, 17-18=0/3197, 16-17=0/2288, 15-16=0/2288, 14-15=0/970
WEBS 7-21=-487/54, 6-21=0/382, 6-22=-533/0, 3-22=0/625, 3-23=-841/0, 2-23=0/871, 2-24=-1207/0, 8-18=-489/53, 9-18=0/383, 9-17=-535/0, 11-17=0/626, 11-15=-843/0, 12-15=0/872, 12-14=-1199/0

**NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F221 | Floor | 10 | 1 | Job Reference (optional) **# 46875** |

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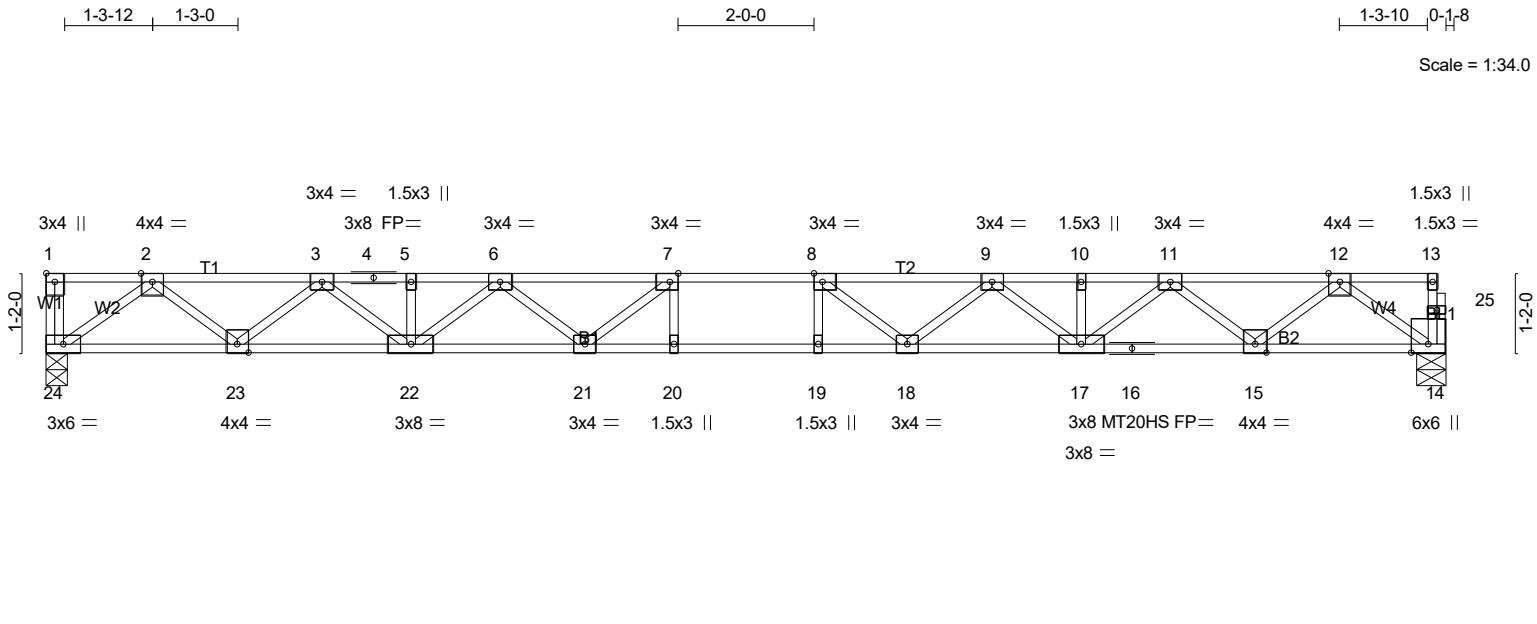


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

| **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 | 0.51 | Vert(LL) | -0.40 | 19-20 | >615 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.99 | Vert(CT) | -0.55 | 19-20 | >446 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.50 | Horz(CT) | 0.09 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 104 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 2-2-0 oc bracing.

**REACTIONS.** (lb/size) 24=895/0-3-8 (min. 0-1-8), 14=890/0-5-2 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1974/0, 3-4=-3336/0, 4-5=-3336/0, 5-6=-3336/0, 6-7=-4095/0, 7-8=-4345/0, 8-9=-4093/0, 9-10=-3331/0, 10-11=-3331/0, 11-12=-1967/0
BOT CHORD 23-24=0/1172, 22-23=0/2749, 21-22=0/3837, 20-21=0/4345, 19-20=0/4345, 18-19=0/4345, 17-18=0/3834, 16-17=0/2743, 15-16=0/2743, 14-15=0/1164
WEBS 7-21=-585/65, 6-21=0/458, 6-22=-640/0, 3-22=0/749, 3-23=-1008/0, 2-23=0/1044, 2-24=-1447/0, 8-18=-586/63, 9-18=0/459, 9-17=-641/0, 11-17=0/751, 11-15=-1010/0, 12-15=0/1046, 12-14=-1438/0

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


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F222 | Floor Supported Gable | 1 | 1 | # 46875 |
| | | | | | Job Reference (optional) |

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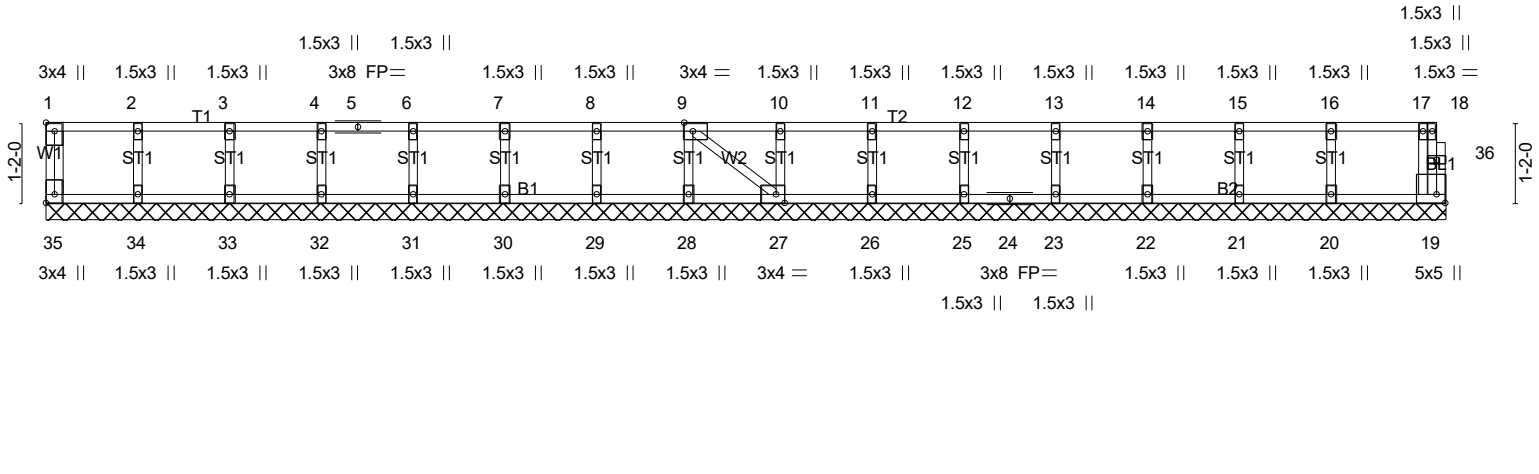
0-1-8

Scale = 1:33.5




20-3-14
20-3-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [19:Edge,0-1-8], [27:0-1-8,Edge], [35: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 | 19 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 88 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 20-3-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 35, 19, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 23, 22, 21, 20

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

**NOTES-** (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) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard


3/22/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0023 HONEYCUTT HILLS \| 377 ADAMS POINTE COURT ANGIER, NC |
|---|---|---|---|---|---|
| 24-2342-F02 | F223 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 46875** |

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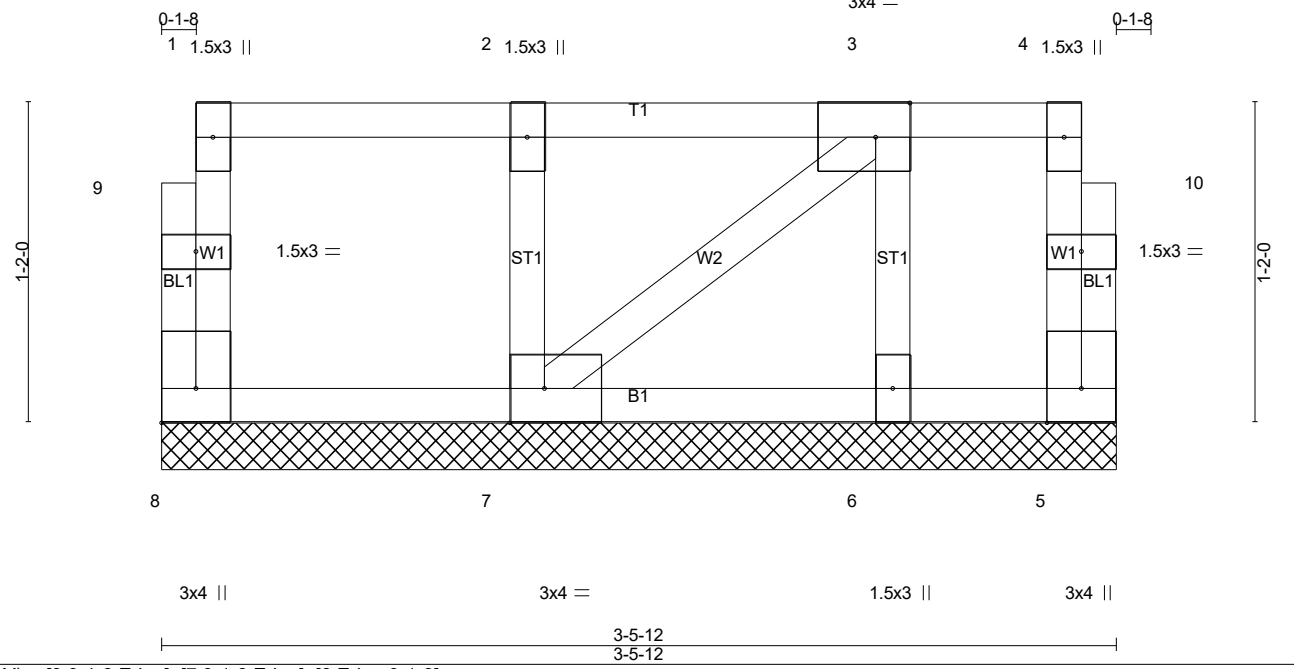


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8]

| **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: 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)
OTHERS 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 3-5-12.
(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)
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.

**LOAD CASE(S)** Standard


3/22/2024