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 #: 53247 JOB: 24-8566-F01 JOB NAME: LOT 0.0017 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 2018 as well as IRC 2021. *30 Truss Design(s)*

Trusses:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-08, F1-09, F1-10, F1-11, F1-12, F1-12A, F1-13, F1-14, F1-15, F1-19, F1-20, F1-21, F1-22, F1-23, F1-24, F1-25, F1-26, F1-27, F1-28, F1-29, F1-



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

| ob | | Truss | | Truss Type | | | Qty Ply | LOT 0.0017 HONEY | CUTT HILLS 371 S | HELBY MEADOW | LANE ANGIER, N |
|--------|----------|-------|-------|-----------------|---------|-----------|---|--|---|-------------------------------------|------------------------------------|
| 4-8566 | -F01 | F1-01 | | Floor Supported | Gable | | 1 | Job Reference (o | ptional) | # 5 | 53247 |
| | 0-1-8 | | | | | Run: 8.43 | 30 s Feb 12 2021 Pi ID:5fxLxLn?C6d | int: 8.630 s Jul 12 202 Wjia?SHK4thzkcYI- | 4 MiTek Industries, In fcGjfOcjrtAj4Vw73 | c. Thu Oct 10 12:4 H3frgo?y_XAY6 | 42:16 2024 Page 1 YQ?w0QYryUqIL |
| | -14- | | | | | | | | | | Scale = 1:21.5 |
| | | | | | | | | | | | |
| | 1.5x3 | | | | | | | | | | |
| | 1.5x3 = | 1.5x3 | 1.5x3 | 1.5x3 | 2×4 — | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 |
| | 1 | 2 | 3 | 4 | 5 3 2 4 | 6 T1 | 7 | 8 | 9 | 10 | 11 |
| | <u>e</u> | • | • | <u> </u> | | | <u>e</u> | <u> </u> | <u>e</u> | • | - Fr (|
| 923 | | ST1 | ST1 | ST1 | ST1 VVS | د st1 | ST1 | ST1 | ST1 | ST1 | W1 8 |
| ÷ | | | | | H | | | | - | H | |
| J | | | | | | | $\times \times $ | | XXXXXXXXX | XXXXXXXX | |
| | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| | 3x4 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 = | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | | 12 1 12 | | |
|--|---|---|--|--|--|--|
| Plate O | ffsets (X,Y) | [5:0-1-8,Edge], [17:0-1-8,Edge], [22:E | dge,0-1-8] | 13-1-12 | | |
| LOADIN TCLL TCDL BCLL BCDL | IG (psf) 40.0 10.0 0.0 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014 | CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH | DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00 | (loc) l/defl L/d - n/a 999 - n/a 999 12 n/a n/a | PLATES GRIP MT20 244/190 Weight: 55 lb FT = 20%F, 11%E |
| Plate Offsets (X,Y) [5:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8] LOADING (psf) SPACING- 2-0-0 CSI. TCLL 40.0 Plate Grip DOL 1.00 BC 0.01 TCDL 10.0 Lumber DOL 1.00 BC 0.01 BCLL 0.0 Rep Stress Incr YES WB 0.03 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH 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) Others State Stress State Stress | | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing end verticals. Rigid ceiling directly applie | directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing. |

13-1-12

REACTIONS. All bearings 13-1-12.

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

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

NOTES-(6)

- Gable requires continuous bottom chord bearing.
 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



| Job | Truss | Truss Type | Qtv | Plv | LOT 0.0017 HON | EYCUTT HILLS 371 SH | | NE ANGIER NC |
|--|--|--|----------------------------|--------------------|----------------------|---|-----------------------|----------------|
| 24-8566-F01 | F1-02 | Floor | 5 | | 1 | | # 53 | 247 |
| | | | Run: 8.430 s | Feb 12 2021 P | Job Reference | (optional) 024 MiTek Industries, Inc | c. Thu Oct 10 12:42:1 | 7 2024 Page 1 |
| 0-1-8 | | | ID:5 | ofxLxLn?C6d | Wjia?SHK4thzkcY | l-/oq5skcLcAlalfVJd_ | _auOuL53Ol4HRyz | Laiz4HyUqiK |
| LI L 1-3-0 | | | | | | | 1-3-4 | _ |
| | | | | | | | | Scale = 1:21.5 |
| | | | | | | | | |
| | | | | | | | | |
| 4x4 = | | | | | | | | |
| 1.5x3 = | 3x4 = | $_{ m 3x4}$ $=$ | 1.5x3 | 3x4 = | | 3x4 = | 3 | 3x6 = |
| 1 | 2 | 3 | 4 1 | 5 | | 6 | | 7 |
| | | | | | | | | ₽ L |
| | | $\langle // \rangle$ | | | $\langle //$ | | W3 | |
| | | Ť | | | | | Т́ | |
| | 13 | 12 | 11 | | 10 | | ۰ e | \mathbf{i} |
| 3x4 | 3x6 = | 3x4 = | 3x8 = | | 3x4 = | | 3x6 = | 3x4 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 1-6-0 | 4-0-0 | | 9-1-8 | | | 11-7-8 | 13-1-12 | |
| Plate Offsets (X,Y) [1: | Edge,0-1-8], [14:Edge,0-1-8 | | 5-1-6 | | | 2-0-0 | 1-0-4 | |
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. | in (loc) | l/defl L/d | PLATES | GRIP | |
| TCLL 40.0 TCDI 10.0 | Plate Grip DOL 1.00 | TC 0.35 BC 0.54 | Vert(LL) -(Vert(CT) -(| 0.12 11 0.17 11 | >999 480 >938 360 | MT20 | 244/190 | |
| BCLL 0.0 | Rep Stress Incr NC | WB 0.53 | Horz(CT) | 0.03 8 | n/a n/a | Mainht | | |
| BCDL 5.0 | | Matrix-SH | | | | weight: | 00 ID FI = 20 | 1%F, 11%E |
| LUMBER- TOP CHORD 2x4 SP N | o.1(flat) | | BRACING- TOP CHORE | D Structu | ural wood sheath | ing directly applied | or 6-0-0 oc purlir | is. except |
| BOT CHORD 2x4 SP N | o.1(flat) | | | end ve | rticals. | plied or 10,0,0 oc h | racing | , I |
| VVEBS 2x4 SP N | 0.5(liat) | | BOTCHORE | | ening directly ap | | facing. | |
| REACTIONS. (Ib/size) | 14=703/0-7-8 (min. 0-1-8) | 8=1109/0-4-8 (min. 0-1-8) | | | | | | |
| FORCES. (lb) - Max. Co | omp./Max. Ten All forces 2 698/0_1-15=-696/0_7-8=-11 | 250 (lb) or less except when sho | wn. 3-4=-2605/0 4-5= | -2605/0 5-6 | S=-2166/0 | | | |
| 6-7=-95 | 0/0 | | 0 4 2000/0, 4 0 - | 2000/0, 0 0 | 2100/0, | | | |
| WEBS 1-13=0/ |)/1759, 11-12=0/2521, 10-1 1070, 2-13=-1000/0, 2-12=0 | =0/2523, 9-10=0/1772 /487, 3-12=-443/0, 5-10=-436/0 | , 6-10=0/481, 6-9= | -1004/0, 7-9 | 9=0/1121 | | | |
| NOTES- (4) | | | | | | | | |
| 1) Load case(s) 1, 2 has | /have been modified. Buildir | ng designer must review loads t | o verify that they a | re correct fo | r the intended us | se of this | | |
| 2) Recommend 2x6 stro | ngbacks, on edge, spaced a | t 10-0-0 oc and fastened to eac | ch truss with 3-10d | l (0.131" X 3 | ") nails. Strongb | oacks to | | |
| be attached to walls a 3) CAUTION. Do not ere | it their outer ends or restrain ect truss backwards. | ed by other means. | | | | | | |
| I OAD CASE(S) Standar | rd | | | | | | | |
| 1) Dead + Floor Live (ba | lanced): Lumber Increase=1 | .00, Plate Increase=1.00 | | | | | | |
| Uniform Loads (plf) Vert: 8-14=-10 | 0, 1-7=-100 | | | | | | | |

Concentrated Loads (lb) Vert: 7=-400

2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 8-14=-10, 1-7=-100 Concentrated Loads (lb)

Vert: 7=-400



| Job | Truss | Truss Type | Qty | Ply LOT 0. | 0017 HONEYCUTT | HILLS 371 SHELBY | MEADOW LANE ANGIER, N |
|---|---|---|--|------------------------------|---|-------------------------------|-------------------------------|
| 24-8566-F01 | F1-03 | Floor | 1 | 1 | . | n. | # 53247 |
| | | | Run: 8.430 s Feb 1 | Job R 2 2021 Print: 8.630 | eterence (optiona) s Jul 12 2024 MiTe | ll) k Industries, Inc. Thu | Oct 10 12:42:18 2024 Page 1 |
| 0-1-8 H ├── <u>1-1-8</u> | ⊣ | | ID.SIXEXEN76 | 0000jia (30K40)2 | 2001-0201340_1 | | 0-10-12 Scale = 1:23.2 |
| $4x4 =$ $1.5x3 =$ 1 1 1 $3x4 \parallel 3$ | $2^{3x8} =$ | 3x4 = 3 13 3x4 = | 3x4 = 1.5x3 4 	 T1 	 5 B1 	 C 	 12 3x8 = | 3x4 = 6 | 11 3x4 = | 3x4 = 7 | 3x6 = 8 10 3x4 = 3x4 |
| 1-4-8 1 1-4-8 0 Plate Offsets (X,Y) [1 LOADING (psf) | 16-0 2-10-8 1-1-8 1-4-8 1:Edge,0-1-8], [2:0-3-0,Edge] SPACING- 2-0-0 Plete Crip DOI - 2-0-0 | 5-4-8 2-6-0 , [16:Edge,0-1-8] | 10-6-0 5-1-8 DEFL. in | (loc) l/defl | L/d | 13-0-0 2-6-0 PLATES | 14-1-12 1-1-12 |
| ICLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014 | J TC 0.59 D BC 0.34 S WB 0.58 4 Matrix-SH | Vert(LL) -0.07 Vert(CT) -0.10 Horz(CT) 0.01 | 12 >999 12 >999 9 n/a | 480 360 n/a | MT20 Weight: 73 lb | 244/190 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP REACTIONS. (Ib/size) Max Up Max Gra FORCES. (Ib) - Max. (Ib/size) Max Up Max Gra FORCES. (Ib) - Max. (Ib/size) TOP CHORD 16-17- 7-8=-5 BOT CHORD 16-17- 7-8=-5 BOT CHORD 14-15= WEBS 2-15=- 7-11=(Ib) NOTES- (6) 1) Unbalanced floor live 2) Provide mechanical 3) This truss has large at the bearings. Buil 4) Recommend 2x6 str be attached to walls 5) CAUTION, Do not en LOAD CASE(S) Standa | $ \begin{array}{c} 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 $ | | | | | | |
| | | | | | | WINNINGTH CA | ROUT |



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELB | Y MEADOW LANE ANGIER, NC |
|-------------|-------|------------|--------------------|-------------|---|-------------------------------|
| 24-8566-F01 | F1-04 | Floor | 8 | 1 | Job Reference (optional) | # 53247 |
| | | | Run: 8.430 s Feb 1 | 2 2021 Prir | nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Th | u Oct 10 12:42:19 2024 Page 1 |



| 1-6-0 1-6-0 Plate Offsets (X X) | 4-0-0 2-6-0 | 9-1-8 5-1-8 | 3 | <u> </u> | <u>13-10-12</u> <u>14-1-12</u> <u>2-3-4</u> <u>0-3-0</u> |
|---|---|---|--|--|--|
| Flate Olisets (X, I) | [1.Euge,0-1-6], [15.Euge,0-1-6] | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014 | CSI. TC 0.30 BC 0.58 WB 0.56 Matrix-SH | DEFL. in Vert(LL) -0.16 Vert(CT) -0.22 Horz(CT) 0.04 | (loc) l/defl L/d 12 >999 480 11-12 >764 360 9 n/a n/a | PLATES GRIP MT20 244/190 Weight: 71 lb FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP | P No.1(flat) P No.1(flat) P No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing di end verticals. Rigid ceiling directly applied | irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing. |

REACTIONS. (lb/size) 15=758/0-7-8 (min. 0-1-8), 9=764/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-753/0, 1-16=-751/0, 1-2=-1026/0, 2-3=-2400/0, 3-4=-3005/0, 4-5=-3005/0, 5-6=-2721/0, 6-7=-1692/0

BOT CHORD 13-14=0/1923, 12-13=0/2841, 11-12=0/3013, 10-11=0/2396, 9-10=0/950

WEBS 1-14=0/1168, 2-14=-1095/0, 2-13=0/583, 3-13=-539/0, 5-11=-356/0, 6-11=0/398, 6-10=-859/0, 7-10=0/905,

7-9=-1196/0

NOTES- (3)

1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to

be attached to walls at their outer ends or restrained by other means.

2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



| | TIUSS | | iluss iyp | | | Quy | | JIT HONEYCUTT H | ILLS 3/ I SHELDI | WEADOW | LANE ANGIER | , NC |
|---------------------------------|-------|-------|------------|-------------|-------------|---------------------------------|---|--------------------------------------|--|-----------------------|-------------------------------|-------------|
| 24-8566-F01 | F1-05 | | Floor Supp | orted Gable | | 1 | 1 Job Re | ference (optional) | | # : | 53247 | |
| 0 ₇ 1 ₇ 8 | | | | | Ru | n: 8.430 s Feb 12 ID:5fxLxLn | 2 2021 Print: 8.630 s ?C6dWjia?SHK4t | Jul 12 2024 MiTek hzkcYI-4ByrHQec | Industries, Inc. Thu 80YHxzfikPcMT。 | Oct 10 12: JQWABYt | 42:19 2024 Pag THshuE48AyU | ə 1 Jqll |
| | | | | | | | | | | | Scale = 1:23 | 3.2 |
| 1.5x3 ∣∣ 1.5x3 ≕ | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 5 3x4 | |
| 1 | 2 | 3 | 4 | 5 | $6^{3x4} =$ | 7 | 8 | 9 | 10 | 11 | 12 | |
| | ST1 | ST1 | ST1 | ST1 | ST1 W2 | | ST1 | ST1 | ST1 SXXXXXX | ST1 | | 1-0-0 |
| 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | |
| 3x4 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 = | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| - | | | | | | 14 1 12 | | | | | | |
|--|---|--|--|---|-----------------------------|---|--------------------------|------------------------------|------------------------------------|---------------------------------|--|---|
| Plate O | ffsets (X,Y) | [6:0-1-8,Edge], [18:0-1-8 | ,Edge], [24:Ed | dge,0-1-8] | | 14-1-12 | | | | | | |
| LOADIN TCLL TCDL BCLL BCDL | I G (psf) 40.0 10.0 0.0 5.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TP | 2-0-0 1.00 1.00 YES Pl2014 | CSI. TC BC WB Matrix | 0.06 0.01 0.03 -SH | DEFL . Vert(LL) Vert(CT) Horz(CT) | in n/a n/a 0.00 | (loc) - - 13 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 59 lb | GRIP 244/190 FT = 20%F, 11%E |
| LUMBE TOP CH BOT CH WEBS OTHER | R- IORD 2x4 SP IORD 2x4 SP 2x4 SP S 2x4 SP | PNo.1(flat) No.1(flat) No.3(flat) No.3(flat) | | | | BRACING- TOP CHOF BOT CHOF | RD RD | Structu end ve Rigid c | ral wooc rticals. eiling dir | l sheathing c rectly applied | lirectly applied or 6-0 l or 10-0-0 oc bracin |)-0 oc purlins, except g. |

14-1-12

REACTIONS. All bearings 14-1-12.

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

NOTES-(6)

Gable requires continuous bottom chord bearing.
 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



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY | MEADOW LANE ANGIER, NO |
|-------------|-------|------------|-----|-----|---|------------------------|
| 24-8566-F01 | F1-06 | GABLE | 1 | 1 | Job Reference (optional) | # 53247 |

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:20 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-YNWDUmfEv5g8Z6DuI68b0WzgXbu4UwR0wY_dhcyUqIH

Scale = 1:12.7



| L | 1-4-0 1-4-0 | 2-8-0 | | 4-0-0 1-4-0 | | 5-4-0 1-4-0 | <u>6-11-12</u> 1-7-12 |
|---|---|---|--|--|------------------------------------|--|---|
| Plate Offsets (X,Y) | [1:Edge,0-1-8], [3:0-1-8 | 8,Edge], [9:0-1-8,E | Edge], [12:Edge,0-1-8] | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/I | 2-0-0 1.00 1.00 YES FPI2014 | CSI. TC 0.08 BC 0.01 WB 0.04 Matrix-P | DEFL. Vert(LL) r Vert(CT) r Horz(CT) -0. | in (loc) n/a - n/a - 00 9 | l/defl L/d n/a 999 n/a 999 n/a n/a | PLATES GRIP MT20 244/190 Weight: 32 lb FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF | 9 No.1(flat) 9 No.1(flat) 9 No.3(flat) 9 No.3(flat) | | | BRACING- TOP CHORD BOT CHORD | Struc exce Rigid | tural wood shea ot end verticals. ceiling directly | athing directly applied or 6-11-12 oc purlins, applied or 10-0-0 oc bracing. |

REACTIONS. All bearings 6-11-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT | HILLS 371 SHELBY MEADOW LANE ANGIER, NC |
|--|---|--|-------------------------------|---------------|--|--|
| 24-8566-F01 | F1-08 | Floor | 3 | 1 | lah Dafamana (antianal | # 53247 |
| | | | Run: 8.430 s Feb 1 | 2 2021 Pri | Job Reference (optional nt: 8.630 s Jul 12 2024 MiTek | (Industries, Inc. Thu Oct 10 12:42:21 2024 Page 1 |
| 1_3_0 | | | ID:5fxLxLn | ?C6dVVjia | ?SHK4thzkcYI-0a4clotsg | PO?AGo5sqtqYkVn9?A4DHX99CjBD2yUqlG |
| | | | | | | <u>0-10-10</u> |
| | | | | | | Scale = 1:37.9 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | 3x8 = | | | | |
| 3x6 = | 3x4 = 3x4 = | 3x8 FP= 3x4 = | 3x8 = | | 3x4 = 3x4 = | = 3x4 = 3x6 = |
| 1 | $\frac{2}{-}$ T1 $\frac{3}{-}$ | 4 5 6 | 7 | T2 | 8 9 | 10 11 |
| | | | W3 II | | | 12 W4 W1 8 |
| - j | | | | đ | | |
| 25 24 | 22 | 22 21 20 | 10 19 | 17 | 16 15 | 14 13 13 |
| $3x4 \parallel 3x4 \equiv$ | 23 3x4 = | 3x4 = 15x3 3x4 = | $4x4 = 3x4 \parallel$ | 3x4 = | 3x8 FP= | 3x4 = 3x4 = 3x4 |
| | UX I | | | UX I | 3x4 = | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 1-6-0 | 4-0-0 6-6-0 | 9-1-8 11-7-8 | 13-1-8 14-6-0 |) | 17-0-0 19-6-0 |) 22-0-0 23-1-10 |
| Plate Offsets (X,Y) [| | 2-7-8 2-0-0 | 1-0-0 1-4-8 | | 2-0-0 2-0-0 | 2-6-0 1-1-10 |
| | SPACING 1 | 1.0 CSI | DEEL in | (loc) | l/defl l/d | |
| TCLL 40.0 | Plate Grip DOL 1. | 00 TC 0.35 | Vert(LL) -0.06 | (100) | >999 480 | MT20 244/190 |
| TCDL 10.0 | Lumber DOL 1. | 00 BC 0.28 | Vert(CT) -0.08 | 22 | >999 360 | |
| BCDL 5.0 | Code IRC2021/TPI20 | 14 Matrix-SH | H012(C1) 0.01 | 10 | n/a n/a | Weight: 115 lb FT = 20%F, 11%E |
| | | | BRACING | | | |
| TOP CHORD 2x4 SP | No.1(flat) | | TOP CHORD | Structur | al wood sheathing dire | ctly applied or 6-0-0 oc purlins, except |
| BOT CHORD 2x4 SP WEBS 2x4 SP | No.1(flat) No.3(flat) | | BOT CHORD | end ver | ticals. illing directly applied or | 6-0-0 oc bracing |
| | No.o(nat) | | BOT ONORD | Ttigiti CC | and allocity applied of | 0-0-0 00 bracing. |
| REACTIONS. (Ib/size Max Gr |) 25=384/0-7-8 (min. 0-1- ray 25=405(LC 3) 12=702(L | 8), 12=641/0-4-6 (min. 0-1-8), 18 C 4) | =1653/0-4-8 (min. 0-1-6 | 8) | | |
| | | | | | | |
| FORCES. (lb) - Max. TOP CHORD 1-25= | Comp./Max. Ten All force -400/0. 11-12=-700/0. 1-2=- | s 250 (lb) or less except when sho 517/0, 2-3=-1144/0, 3-4=-1217/0, | own. 4-5=-1217/0. 5-6=-750 | /59.6-7= | 0/514.7-8=0/779. | |
| 8-9=-{ | 544/384, 9-10=-676/123, 10 | -11=-278/10 | | | | |
| BOT CHORD 23-24 16-17 | =0/969,22-23=0/1296,21-2 =-567/339.15-16=-567/339 | 2=0/1111, 20-21=0/1111, 19-20= . 14-15=-228/724. 13-14=-42/604 | -210/380, 18-19=-1296 | /0, 17-18 | =-1305/0, | |
| WEBS 7-18= | -1624/0, 1-24=0/613, 2-24= | -551/0, 5-20=-474/0, 6-20=0/491, | 6-19=-793/0, 7-19=0/90 | 07, 7-17= | =0/704, 8-17=-653/0, | |
| 8-15= | =0/363, 9-15=-331/0, 10-13= | -397/39, 11-13=-14/368 | | | | |
| NOTES- (5) | | and from the inclusion | | | | |
| 2) Load case(s) 1, 2, 3 | 8, 4, 5, 6 has/have been mo | dified. Building designer must revi | ew loads to verify that t | hey are o | correct for the intended | |
| use of this truss. | ranghacka on odgo onooo | d at 10.0.0, as and factorial to as | | - 21" ∨ 2" |) poilo Stronghocka to | |
| be attached to walls | at their outer ends or restra | ained by other means. | ch iiuss wiii 3-100 (0.1 | 31 7 3 | mails. Strongbacks to | |
| 4) CAUTION, Do not e | erect truss backwards. | | | | | |
| LOAD CASE(S) Stand | lard | | | | | |
| 1) Dead + Floor Live (I | balanced): Lumber Increase | =1.00, Plate Increase=1.00 | | | | |
| Vert: 12-25= | 7, 1-11=-67 | | | | | MUMMINIA |
| Concentrated Loads | s (lb) | | | | | WHINTH CAROLINI |
| 2) Dead: Lumber Incre | ase=1.00, Plate Increase=1 | .00 | | | 1 | OFESSION |
| Uniform Loads (plf) | 7 1.1167 | | | | in the second seco | 1 the second sec |
| Concentrated Loads | s (lb) | | | | n'n | SEAL |
| Vert: 7=-600 |) 11=-400 | presse=1.00 Plata Incresse=1.00 | | | IIIII | 4014/ |
| Uniform Loads (plf) | ve (univalanceu). Lumper m | Sicase - 1.00, Fiale Increase= 1.00 | | | In | AND AND A |
| Vert: 12-25= | =-7, 1-7=-67, 7-11=-13 | | | | - | ARE |
| Vert: 7=-60 | י (טוי) 11=-400 | | | | | Mana K. MUMMM |
| | | | | | | 10/9/2024 |
| | | | | | | 10/7/2024 |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY MEADOW LANE ANGIER, N |
|-------------|-------|------------|--------------------|-------------|--|
| 24-8566-F01 | F1-08 | Floor | 3 | 1 | Job Reference (optional) # 53247 |
| | | | Run: 8,430 s Feb 1 | 2 2021 Prir | nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:21 2024 Page 2 |

ID:5fxLxLn?C6dWjia?SHK4thzkcYI-0a4ci6fsgPo?AGo5sqfqYkVn9?A4DHX99CjBD2yUqIG

LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

- Vert: 7=-600 11=-400
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 12-25=-7, 1-7=-67, 7-11=-13
- Concentrated Loads (lb)
- Vert: 7=-600 11=-400
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 12-25=-7, 1-7=-13, 7-11=-67
- Concentrated Loads (lb) Vert: 7=-600 11=-400



10/9/2024

| Job | Truss | Truss Type | | Qty | Ply I | OT 0.0017 H | IONEYCUTT | - HILLS 37 | 1 SHELBY N | IEADOW L | ane angie | R, NC |
|--------------|----------------------|---|----------------|--------------------------------|------------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------|
| 24-8566-F01 | F1-09 | Floor Supported Gab | le | 1 | 1 | Job Referer | nce (optiona | al) | | # 53 | 3247 | |
| | | | | Run: 8.430 s Feb ID:5fxLxLn | 12 2021 Print: ?C6dWjia?S | 8.630 s Jul HK4thzkcY | 12 2024 MiTe 'I-Umd_vR | ek Industries gURjwsoC | s, Inc. Thu O NHPXA35 | ct 10 12:42 x20IPaZyc | :22 2024 Pa ?INrTkIVy | age 1 /UqIF |
| | | | | | | | | | | | | |
| | | | | | | | | | | | Scale = 1 [.] | ·37 3 |
| | | | | | | | | | | | | 01.0 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | 1.5x3 | | | | | | | | | | |
| 3x4 1.5x3 | 1.5x3 1.5x3 1. | 5x3 3x8 FP=1.5x3 | 1.5x3 3x4 = | 1.5x3 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 | |
| 1 2 | 3 4 5 | 5 67 8 | 9 10 | 11 12 | 13 T2 | 14 | 15 | 16 | 17 | 18 | 19 | |
| | ST1 ST1 S | 1 - 1 - 1 11 - 11 - 11 - 11 - 11 - 11 - | ST1 ST1 W | 2 ST1 ST1 | ST1 | ST1 | ST1 | ST1 | ST1 | ST1 | Ŵ1 | 0 |
| | | | | | | | | B2 | | | | <u>-</u> |
| 38 37 | 36 35 | 34 33 32 | 31 30 | 29 28 | 27 26 | 25 | 24 | 23 | 22 | 21 | 20 | |
| 3x4 1.5x3 | 1.5x3 1.5x3 1. | 5x3 1.5x3 1.5x3 | 1.5x3 1.5x3 | 3x4 = 3x | 8 FP= | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 1.5x3 | 3x4 | |
| | | | | 1.5x3 | 1.5x3 | | | | | | | |

| | | | 22.0.2 | | | | | |
|---|---|---|---|------------------------------|--|--------------------------|---|---|
| Plate Offsets (X, | ') [1:Edge,0-1-8], [10:0-1-8,Edge | , [29:0-1-8,Edge], [38:Edge,0- | 1-8] | | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014 | CSI. TC 0.07 BC 0.01 WB 0.03 Matrix-SH | DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00 | (loc) - - 26 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 92 lb | GRIP 244/190 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x BOT CHORD 2x WEBS 2x OTHERS 2x | 4 SP No.1(flat) 4 SP No.1(flat) 4 SP No.3(flat) 4 SP No.3(flat) 4 SP No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structu end ve Rigid c | ural wood erticals. ceiling dire | sheathing o | lirectly applied or 10 d or 10-0-0 oc bracin | -0-0 oc purlins, except g. |

22-0-2

REACTIONS. All bearings 22-9-2.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21

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



| Job | Truss | Truss Type | Qty | Ply LC | T 0.0017 HONEYCU | UTT HILLS 371 SHELBY M | EADOW LANE ANGIER, NC |
|--|--|---|--|---|--|--|---|
| 24-8566-F01 | F1-10 | Floor | 6 | 1 | | , N | # 53247 |
| | | | Run: 8.430 s Feb 1: ID:5fxLxLn' | Jo 2 2021 Print: 8 2C6dWija?SI | b Reference (opti 630 s Jul 12 2024 M HK4thzkcYI-Q9lkk | onal) /iTek Industries, Inc. Thu Oo {7ikzKAa1kXfXvCXAM78 | t 10 12:42:24 2024 Page 1 |
| 0-1-8 H├─ ─1-3-0 | | | <u> 1-4-8</u> | , , | | , | <u>ρ-10-12</u> Scale = 1:38.2 |
| 3x4 = 1.5x3 = 1 260 25 24 $3x4 \parallel$ 3x4 = | 3x4 = 3x4 = $2 T1 3$ 23 $3x4 = 3$ | 3x8 = 3x8 FP = $3x4 =4 5 63x8 FP =$ $3x4 =4 7 73x4 = 1.5x3 \parallel 3x4 = 4x$ | 3x8 = 7 19 18 x4 = 3x4 | 3x T2 8 5 5 17 4x4 = 3x | 4 = 3 | 3x4 = 3x4 = 9 27 10 12 14 $3x4 =$ | 3x6 = 11 $3x6 = 11$ $3x4 = 3x4 $ |
| <u> 1-6-0</u> 1-6-0 Plate Offsets (X,Y) [25 | 4-0-0 6-6-0 2-6-0 2-6-0 Edge,0-1-8] | 9-1-8 11-7-8 2-7-8 2-6-0 | <u> 13-1-8 14-6-(</u> 1-6-0 1-4-8 | 0 17- 2-6 | 0-0 19 5-0 2 | 9-6-0 <u>22-0-0</u> 2-6-0 <u>2-6-0</u> | 23-1-12 1-1-12 |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014 | CSI. TC 0.99 BC 0.31 WB 0.46 Matrix-SH | DEFL. in Vert(LL) -0.06 Vert(CT) -0.07 Horz(CT) 0.01 | (loc) l/de 22 >99 22 >99 12 n. | efl L/d 99 480 99 360 /a n/a | PLATES MT20 Weight: 115 lb | GRIP 244/190 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No REACTIONS. (lb/size) | o.1(flat) o.1(flat) o.3(flat) 25=363/0-7-8 (min. 0-1-8), | 12=427/0-4-8 (min. 0-1-8), 18=1820 | BRACING- TOP CHORD BOT CHORD 0/0-4-8 (min. 0-1-8 | Structural v end vertica Rigid ceilin 3) | vood sheathing (ls. g directly applied | directly applied or 4-8- d or 6-0-0 oc bracing. | 11 oc purlins, except |
| Max Grav FORCES. (lb) - Max. Co TOP CHORD 25-26=-3 6-7=0/73 BOT CHORD 23-24=0/ 16-17=-3 WEBS 7-18=-17 8-15=0/0 | 25=384(LC 3), 12=489(LC mp./Max. Ten All forces 2 80/0, 1-26=-380/0, 11-12=- 2, 7-8=0/803, 8-9=-981/0, 9 917, 22-23=0/1198, 21-22= 92/513, 15-16=-392/513, 1 88/0, 1-24=0/560, 2-24=-5 683, 9-15=-651/0, 10-13=-7 | 4), 18=1820(LC 1) 50 (Ib) or less except when shown. 486/0, 1-2=-493/0, 2-3=-1070/0, 3-4= -27=-1297/0, 10-27=-1297/0, 10-11= -72/965, 20-21=-72/965, 19-20=-409 4-15=0/1424, 13-14=0/1149 8/0, 5-20=-505/0, 6-20=0/522, 6-19= 62/0, 11-13=0/691 | =-1095/0, 4-5=-109 525/0 9/183, 18-19=-153 819/0, 7-19=0/93 | 95/0, 5-6=-5 7/0, 17-18=- 32, 7-17=0/9 | 578/232, -1546/0, 961, 8-17=-896/(| 0, | |
| NOTES- (5) 1) Unbalanced floor live I 2) Load case(s) 1, 2, 3, 4 use of this truss. 3) Recommend 2x6 stron be attached to walls at 4) CAUTION, Do not ered | oads have been considered , 5, 6 has/have been modifi gbacks, on edge, spaced a their outer ends or restrain ct truss backwards. | for this design. ed. Building designer must review loa t 10-0-0 oc and fastened to each tru ed by other means. | ads to verify that th iss with 3-10d (0.1 | ney are corr 31" X 3") na | rect for the inten ails. Strongback | ded is to | |
| LOAD CASE(S) 1) Dead + Floor Live (bal Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II Vert: 7=-600 2 2) Dead: Lumber Increas Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II Vert: 7=-600 2 3) 1st Dead + Floor Live (I) Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II) Vert: 7=-600 2 | anced): Lumber Increase=1 , 1-11=-67 b) 7=-335 e=1.00, Plate Increase=1.00 , 1-11=-67 b) 7=-335 (unbalanced): Lumber Incre , 1-7=-67, 7-11=-13 b) 7=-335 | .00, Plate Increase=1.00) ase=1.00, Plate Increase=1.00 | | | | SEAL 28147 | ARBS INTERNATION |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|--------------------|-------------|---|---------------------------------|
| 24-8566-F01 | F1-10 | Floor | 6 | 1 | Job Reference (optional) | # 53247 |
| | | | Pup: 8 430 c Ech 1 | 2 2021 Drir | at: 8 630 c Jul 12 2024 MiTok Industrios Inc. | Thu Oct 10 12:42:24 2024 Page 2 |

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LOAD CASE(S)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

- Vert: 7=-600 27=-335
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 12-25=-7, 1-7=-67, 7-11=-13 Concentrated Loads (lb)
- Vert: 7=-600 27=-335
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 12-25=-7, 1-7=-13, 7-11=-67
- Concentrated Loads (lb) Vert: 7=-600 27=-335



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HON | EYCUTT HILLS 37 | 1 SHELBY MEADO | W LANE ANGIER, NC |
|------------------------------|---|--|-------------------------------|-----------------------|---|-----------------------------------|-----------------------|---------------------|
| 24-8566-F01 | F1-11 | Floor | 3 | | 1 | <i></i> | # | 53247 |
| | | | Run: 8.430 s_Feb ⁻ | 12 2021 Pi | Job Reference rint: 8.630 s Jul 12 2 | (optional) 024 MiTek Industrie | s, Inc. Thu Oct 10 12 | 2:42:25 2024 Page 1 |
| 0.4.0 | | | ID:5fxLxL | n?C6dW | jia?SHK4thzkcYI- | uLJ6XTjNkelRfu6 | is5gjmiagUmcZP9 | 94Vl4phOMqyUqIC |
| 0-1-8 | | | 1 / 9 | | | | (| 0 10 12 |
| Η⊨ | | | 1-4-0 | | | | 1 | Scale = 1:38.2 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 3x4 = | | 3x8 = | | | | | | |
| 1.5x3 = | 3x4 = 3x4 = | 3x8 FP= 3x4 = | 3x8 = | | 3x4 = | 3x4 = | 3x4 = | 3x6 = |
| 1 | 2 3 | 4 5 6 | 7 | т | 8 | 9 | 10 | 11 |
| | R II R | | INFR THR | | | | | |
| | | | | $\mathbf{\mathbf{v}}$ | | | | |
| | | | | | | | | |
| 25 24 | 23 | 22 21 20 | 19 18 | 17 | 16 15 | 14 | 1: | 3 12 |
| 3x4 3x4 ≕ | 3x4 = 3 | Bx4 = 1.5x3 3x4 = | $4x4 = 3x4 \parallel$ | 3x4 = | 3x8 FP= | 3x4 | = 3x | 4 = 3x4 |
| | | | | | 3x4 = | Ξ | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 1-6-0 | 4-0-0 6-6-0 | 9-1-8 11-7-8 | . 13-1-8 . 14-6- | 0. | 17-0-0 | 19-6-0 | 22-0-0 | 23-1-12 |
| 1-6-0 | 2-6-0 2-6-0 | 2-7-8 2-6-0 | 1-6-0 1-4- | 8 | 2-6-0 | 2-6-0 | 2-6-0 | 1-1-12 |
| Plate Offsets (X,Y) [25 | :Edge,0-1-8] | | | | | | | |
| LOADING (psf) | SPACING- 1-4-0 | CSI. | DEFL. in | (loc) | l/defl L/d | PLA | TES GRIP | |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.25 | Vert(CT) -0.08 | 22 | >999 480 | IVI 1 Z | 0 244/1 | 190 |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.43 | Horz(CT) 0.01 | 18 | n/a n/a | | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | | | VVeig | jht: 115 lb F I | = 20%F, 11%E |
| LUMBER- | | | BRACING- | . | | | | |
| BOT CHORD 2x4 SP N | o.1(flat) o.1(flat) | | TOP CHORD | Structu end ve | iral wood sheath rticals. | ing directly appl | lied or 6-0-0 oc p | ourlins, except |
| WEBS 2x4 SP N | p.3(flat) | | BOT CHORD | Rigid c | eiling directly ap | plied or 6-0-0 or | c bracing. | |
| REACTIONS. (lb/size) | 25=380/0-7-8 (min 0-1-8) | 12=241/0-4-8 (min 0-1-8) 18= | 1054/0-4-8 (min 0-1- | 8) | | | | |
| Max Grav | 25=400(LC 3), 12=303(LC | 4), 18=1054(LC 1) | | 0) | | | | |
| FORCES. (Ib) - Max Co | omp /Max Ten - All forces 2 | 50 (lb) or less except when sho | wn | | | | | |
| TOP CHORD 25-26=- | 397/0, 1-26=-396/0, 11-12=- | 301/0, 1-2=-519/0, 2-3=-1143/0 | , 3-4=-1216/0, 4-5=-12 | 216/0, 5- | 6=-748/62, | | | |
| 6-7=0/5 BOT CHORD 23-24=0 | 16, 7-8=0/778, 8-9=-545/384 /967_22-23=0/1295_21-22= | k, 9-10=-678/123, 10-11=-281/10 0/1109_20-21=0/1109_19-20=- |) 213/379 18-19=-1300 | /0 17-1 | 8=-1306/0 | | | |
| 16-17=- | 566/339, 15-16=-566/339, 14 | 4-15=-228/726, 13-14=-42/607 | | , , , , , | o 1000,0, | | | |
| WEBS 7-18=-10 | 027/0, 1-24=0/589, 2-24=-54 263, 0, 15-, 332/0, 10, 13-, 3 | 17/0, 5-20=-475/0, 6-20=0/491, 0 | 6-19=-793/0, 7-19=0/9 | 09, 7-17 | /=0/706, 8-17=-6 | 353/0, | | |
| 0-13-0/ | 000, 0 -10002/0, 10-100 | 37733, 11-13-13/371 | | | | | | |
| NOTES- (4) | loade have been considered | for this design | | | | | | |
| 2) Recommend 2x6 stroi | ngbacks, on edge, spaced a | t 10-0-0 oc and fastened to eac | h truss with 3-10d (0.1 | 131" X 3 | ") nails. Strongl | backs to | | |
| be attached to walls a | t their outer ends or restrain | ed by other means. | , | | Ū | | | |
| 5) GAUTION, DUTIOL EFE | CLUUSS DACKWAIUS. | | | | | | | |

LOAD CASE(S) Standard



| Job | Truss | Truss Type | Qty | Ply LC | T 0.0017 HONEYCUTT HIL | LS 371 SHELBY MEADOW LANE ANGIER, NC |
|---|--|--|--------------------------------------|-----------------------|--|--|
| 24-8566-F01 | F1-12 | Floor | 2 | 1 | h Deference (entional) | # 53247 |
| | | | Run: 8.430 s Feb 1: | J0 2 2021 Print: 8 | 630 s Jul 12 2024 MiTek In 1630 s Jul 12 2024 MiTek In | dustries, Inc. Thu Oct 10 12:42:26 2024 Page 1 |
| 1-3-0 | | | 1-5-4 | Couvyia (Sr | http://www.upperstates.com | |
| | | | | | | |
| | | | | | | Scale = 1:38.0 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 0.0 | 0.4 - 0.4 - | 3x8 = | 0.0 | 0 | | 4x6 = |
| 3xo — 1 | 3x4 = 3x4 = 2 | 3x8 FP 3x4 4 5 6 | 3x8 — 7 | 38 | 4 — 1.5x3 3x4 — 9 10 | 3x4 — 3x4 11 12v/d3 |
| | | | | T2 | | |
| | | B 1 T | | m – | | |
| | | | | | ¥ | |
| 27 26 | 25 2×4 — | 24 23 $222x4 = 15x2 2x4 = 1$ | 21 20 2x6 — 2x4 II | 19 2x4 — 2x4 | 18 17 8 ED - 2v8 - | 16 15 14 |
| 3x4 3x4 — | 3x4 — | 3x4 — 1.5x3 3x4 — | 3x0 — 3x4 | 3x4 — 3x6 | 6 FP- 3X6 - | 3x4 — 3x6 — 4x6 — |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | ····· | | | | |
| | | 13-2-4 13-2-4 | I | | <u>22-6-8</u> 9-4-4 | 23-2-8 0-8-0 |
| Plate Offsets (X,Y) [| 14:Edge,0-1-8], [27:Edge,0-1 | 1-8] | | | | |
| LOADING (psf) | SPACING- 1-4 | -0 CSI . | DEFL. in | (loc) l/de | efl L/d | PLATES GRIP |
| TCDL 40.0 | Lumber DOL 1.0 | 00 BC 0.27 | Vert(LL) -0.06 Vert(CT) -0.08 | 24 >99 | 99 480 | MT20 244/190 |
| BCLL 0.0 BCDI 5.0 | Rep Stress Incr N Code IRC2021/TPI201 | O WB 0.45 4 Matrix-SH | Horz(CT) 0.01 | 14 n | /a n/a | Weight: 119 lb FT = 20%F 11%F |
| | | | | | | |
| TOP CHORD 2x4 SP | No.1(flat) | | BRACING- TOP CHORD | Structural v | wood sheathing directly | y applied or 6-0-0 oc purlins, except |
| BOT CHORD 2x4 SP | No.1(flat) | | | end vertica | ls. a directly applied or 6- | |
| | | | | | g directly applied of 0- | o-o oc bracing. |
| REACTIONS. (Ib/size Max Gi | e) 27=379/0-4-8 (min. 0-1-8 rav27=400(LC 3), 20=1121(L | 3), 20=1121/0-4-8 (min. 0-1-8), 14= _C 1), 14=1111(LC 4) | 1049/0-4-8 (min. 0-1) | -8) | | |
| | Comp /Max Ten All forces | 250 (lb) or less except when show | <i>i</i> n | | | |
| TOP CHORD 1-27= | -395/0, 1-2=-509/0, 2-3=-112 | 22/0, 3-4=-1180/0, 4-5=-1180/0, 5-6 | 5=-698/127, | | | |
| 6-7=0 BOT CHORD 25-26 | /582, 7-8=0/802, 8-9=-718/2 =0/954, 24-25=0/1266, 23-24 | 24, 9-10=-718/224, 10-11=-978/0, 1 4=0/1066, 22-23=0/1066, 21-22=-2 | 11-12=-672/0 88/322, 20-21=-1408/ | 0. | | |
| 19-20 | =-1417/0, 18-19=-513/394, 1 | 7-18=-513/394, 16-17=0/960, 15-1 | 6=0/968, 14-15=0/672 | 2 | | |
| 7-20= | 0/948, 7-19=0/804, 8-19=-74 | 4/0, 8-17=0/514, 10-17=-399/0, 11 | -15=-338/154, | | | |
| 12-14 | =-1277/0 | | | | | |
| NOTES- (5) | | ad fan Mhia alaainm | | | | |
| 2) Load case(s) 1, 2, 3 | 8, 4, 5, 6 has/have been mod | ified. Building designer must reviev | v loads to verify that th | ney are corr | ect for the intended | |
| use of this truss. 3) Recommend 2x6 st | rongbacks on edge spaced | at 10-0-0 oc and fastened to each | truss with 3-10d (0.1 | 31" X 3") na | ails Strongbacks to | |
| be attached to walls | at their outer ends or restra | ined by other means. | | | | |
| 4) CAUTION, Do not e | erect truss dackwards. | | | | | |
| 1) Dead + Floor Live (| lard | =1.00 Plate Increase=1.00 | | | | |
| Uniform Loads (plf) | 7 4 40 07 | | | | | ANNEL CASH |
| Concentrated Loads | =-7, 1-13=-67 s (lb) | | | | 1 | ATH CAHOLAN |
| 2) Dead: Lumber Incre | 05 base=1.00 Plate Increase=1 | 00 | | | inn, | Poto Phase in |
| Uniform Loads (plf) | 7 4 40 | ~~ | | | 1 Mill | SEAL |
| Vert: 14-27 Concentrated Loads | =-7, 1-13=-67 s (lb) | | | | 11111 | 28147 |
| 3) 1st Dead + Floor Liv | 65 ve (unbalanced): Lumber Inc | rease=1.00 Plate Increase=1.00 | | | Inn | No. 1 |
| Uniform Loads (plf) | | 1.00, Fiate filoredse=1.00 | | | in the second seco | A POINEER BE WITH |
| Vert: 14-27 Concentrated Loads | =-7, 1-7=-67, 7-13=-13 s (lb) | | | | | Min K. MORINI |
| Vert: 12=-86 | 65 | | | | | 10/9/2024 |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHEL | BY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|--------------------|-------------|---|---------------------------------|
| 24-8566-F01 | F1-12 | Floor | 2 | 1 | Job Reference (optional) | # 53247 |
| | | | Run: 8 430 s Feb 1 | 2 2021 Prin | nt: 8 630 s Jul 12 2024 MiTek Industries Inc. 1 | Thu Oct 10 12:42:27 2024 Page 2 |

In: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:27 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-rkRty9kdGFZ9vBGEC5mEo?lpIPDadzi2X7AVRiyUqIA

LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb)

- Vert: 12=-865
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 14-27=-7, 1-7=-67, 7-13=-13

Concentrated Loads (lb)

- Vert: 12=-865
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 14-27=-7, 1-7=-13, 7-13=-67 Concentrated Loads (lb)
- Vert: 12=-865



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEY | CUTT HILLS 371 SHELE | Y MEADOW LANE ANGIER, NC |
|--|--|--|---------------------------------|-----------------------------|---|---------------------------|---------------------------------|
| 24-8566-F01 | F1-12A | Floor | 7 | 1 | lah Bafaranaa (ar | vtional) | # 53247 |
| | | | Run: 8.430 s Feb 1 | 2 2021 Pri 3dWija2S | 1500 Reference (op nt: 8.630 s Jul 12 2024 | MiTek Industries, Inc. Th | u Oct 10 12:42:28 2024 Page 1 |
| | | | ID.JIXEXEN? G | Juvyja : S | I IN4UIZKCTI-JW?FA | | 0-3-8 |
| 1-3-0 | | | 1-5-4 | 1-0-4 | <u> </u> | | 0 ₁ 4 ₁ 0 |
| 1 1 | | | I I | ļ | 1 | | Scale = 1:38.0 |
| | | | | | | | |
| | | | | | | | |
| | | 3x8 = | | | | | 4x8 = |
| 3x6 = | 3x4 = 3x4 = | 3x8 FP= 3x4 = | 5x12 = | | 3x8 = | 3x4 = 3x | $4 = 3x4 \parallel$ |
| | | | ، احتفر حا | T2 | 8 नकर | 9 1 | |
| | | | W3 | WA | | B2 D1 | |
| j j <u>et ter</u> | <u>t</u> ¢f | | | | | | |
| 28 27 | 26 | 25 24 23 | 22 21 20 | 19 | 18 17 | 16 | 15 14 13 |
| 3x4 3x4 = | 3x4 = 3 | x4 = 1.5x3 3x4 = | 3x6 = 3x8 | FP= | 3x4 3x4 = | 3x4 = | 3x4 |
| | | | 3X4 | 4x10 = | | | 4x4 = 4x6 = |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | 14-5- | s 1 | 5-8-8 | | |
| | 1 | 3-2-4 3-2-4 | 13-3-12 0-1-8 | 15-7-0 | -++ | 22-6-8 6-10-0 | 23-2-8 |
| Plate Offsets (X V) [1 | 13:Edge 0-1-8] [28:Edge 0-1 | .81 | 1-1-1 |) (| 0-1-8 | 0.00 | |
| | | | | (1) | 1/d a fil /d | | |
| TCLL 40.0 | Plate Grip DOL 1.00 |) CSI.) TC 0.47 | Vert(LL) -0.06 | (loc) 25 | >999 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 Rep Stress Incr NO | BC 0.41 | Vert(CT) -0.08 Horz(CT) 0.01 | 16-17 13 | >999 360 | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | 1012(01) 0.01 | 10 | n/a n/a | Weight: 120 | lb FT = 20%F, 11%E |
| LUMBER- | | · | BRACING- | | | · | |
| TOP CHORD 2x4 SP BOT CHORD 2x4 SP | No.1(flat) No.1(flat) | | TOP CHORD | Structur end ver | al wood sheathing ticals. | g directly applied or 6 | 6-0-0 oc purlins, except |
| WEBS 2x4 SP | No.3(flat) *Except* | | BOT CHORD | Rigid ce | eiling directly appli | ed or 6-0-0 oc bracir | ıg. |
| VVZ: ZX4 | SP NO.2(IIal) | | | | | | |
| REACTIONS. (Ib/size) Max Gra |) 28=331/0-4-8(min. 0-1-8) av 28=351(LC 3). 21=1926(Li | , 21=1926/0-4-8 (min. 0-1-8), 13 C 1). 13=1286(LC 4) | 3=1223/0-4-8 (min. 0-1 | -8) | | | |
| | | 250 (lb) or loss except when she | | | | | |
| TOP CHORD 1-28=- | 347/0, 1-2=-434/0, 2-3=-910/ | 37, 3-4=-831/245, 4-5=-831/245 | 5, 5-6=-206/614, | | | | |
| 6-7=0/ BOT CHORD 26-27= | 1210, 7-8=-332/338, 8-9=-18 =0/810, 25-26=-119/986, 24-2 | 81/0, 9-10=-1676/0, 10-11=-963 25=-400/646. 23-24=-400/646. 2 | 5/0 2-23=-845/0. | | | | |
| 21-22= | =-2109/0, 20-21=-2124/0, 19- | 20=-2124/0, 18-19=0/1823, 17-1 | 18=0/1823, 16-17=0/19 | 04, | | | |
| WEBS 7-21=- | -0/1420, 14-15-0/770, 13-14 1879/0, 1-27=0/515, 2-27=-4 | 0/770 59/2, 5-25=0/258, 5-23=-568/0, | 6-23=0/585, | | | | |
| 6-22=- 10-15= | .889/0, 7-22=0/1031, 7-19=0/ =-565/0, 11-15=0/416, 11-13= | 2200, 8-19=-1960/0, 9-16=-278/ 1462/0 | 0, 10-16=0/304, | | | | |
| NOTES (5) | ,,, | | | | | | |
| 1) Unbalanced floor live | e loads have been considere | d for this design. | | | | | |
| 2) Load case(s) 1, 2, 3, use of this truss. | , 4, 5, 6 has/have been modit | ied. Building designer must revie | ew loads to verify that t | hey are | correct for the inte | nded | |
| 3) Recommend 2x6 str | ongbacks, on edge, spaced a | at 10-0-0 oc and fastened to eac | ch truss with 3-10d (0.1 | 31" X 3" |) nails. Strongbad | cks to | |
| 4) CAUTION, Do not ei | rect truss backwards. | ied by other means. | | | | | |
| LOAD CASE(S) | | | | | | | illilla |
| 1) Dead + Floor Live (b | ealanced): Lumber Increase= | 1.00, Plate Increase=1.00 | | | | WHIND TH C. | AROIT |
| Vert: 13-28= | -7, 1-12=-67 | | | | | UNIT ROFES | SIPANA |
| Concentrated Loads Vert: 8=-932 | (lb) 11=-865 | | | | | | Lit |
| 2) Dead: Lumber Increa | ase=1.00, Plate Increase=1.0 | 0 | | | | 281 | 17 |
| Vert: 13-28= | -7, 1-12=-67 | | | | | 11111 | |
| Concentrated Loads Vert· 8=-932 | (lb) 11=-865 | | | | | THE AS SNOIN | EER S MAN |
| 3) 1st Dead + Floor Liv | e (unbalanced): Lumber Incr | ease=1.00, Plate Increase=1.00 | | | | MARK K. | MORM |
| Vert: 13-28= | -7, 1-7=-67, 7-12=-13 | | | | | 10.00 | (2024 |
| | | | | | | 10/9 | /2024 |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY M | EADOW LANE ANGIER, NC |
|-------------|--------|------------|-----|-----|---|-----------------------|
| 24-8566-F01 | F1-12A | Floor | 7 | 1 | Job Reference (optional) | # 53247 |

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:28 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-Jw?FAVIF1Zh0WLrRmoHTKCIyTpXhMOJBmnw2z8yUqI9

LOAD CASE(S)

Concentrated Loads (lb) Vert: 8=-932 11=-865

- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 13-28=-7, 1-7=-13, 7-12=-67
- Concentrated Loads (lb)
- Vert: 8=-932 11=-865 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 13-28=-7, 1-7=-67, 7-12=-13
- Concentrated Loads (lb)
- Vert: 8=-932 11=-865
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 13-28=-7, 1-7=-13, 7-12=-67
- Concentrated Loads (lb) Vert: 8=-932 11=-865



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCU | TT HILLS 371 SHEL | BY MEADOW LANE ANGIER, NC |
|--|---|---|-----------------------------------|------------------------|--|--|---|
| 24-8566-F01 | F1-13 | Floor | 1 | 1 | Job Reference (ontio | nal) | # 53247 |
| | | | Run: 8.430 s Feb 1 ID:5fxLxLn' | 2 2021 Pri ?C6dWjia | nt: 8.630 s Jul 12 2024 M SHK4thzkcYI-n6YdN | iTek Industries, Inc. T Irmtospt8VQdKVoit | hu Oct 10 12:42:29 2024 Page 1 tQgAxDwX5uKK RfcVbyUgl8 |
| 1-3-0 | | | | | 1-5 | 4 | <u>1-0-0</u> ₁ -1-8 |
| | | | | | · | | Scale = 1:26.0 |
| | | | | | | | Scale - 1.20.0 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | 3x4 = |
| 240 - | 3x4 = | 3x4 = 1.5x3 ∣∣ | 3x4 = | 3x4 | = | 3x8 = | 1.5x3 = |
| 1 ^{3X6} = | 2 | 3 4 | 5 | 6 | | 7 | 8 |
| | | | | | W3 | | W4 18 9 |
| | | | B1 | | | | |
| | | | | | | | |
| ₩Ž 16 | 15 | 14 | 13 | | 12 | | 10 |
| 3x4 | $4 \equiv 3x4 \equiv$ | = 3x8 = | 3x4 ≡ | | 3x6 = | 3x4 | 3x4 ≕ 3x4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | 12.0.4 | | | | | 15 0 12 |
| | | 13-2-4 | | | | | 2-7-8 |
| | 8:0-1-8,Eagej, [17:Eage,0-1- | 8] | | | | | |
| LOADING (psf) TCLL 40.0 | SPACING- 1-4 Plate Grip DOL 1.0 | 0 CSI. 0 TC 0.30 | DEFL. in Vert(LL) -0.05 | (loc) 14 | l/defl L/d >999 480 | PLATES MT20 | GRIP 244/190 |
| TCDL 10.0 | Lumber DOL 1.0 | 0 BC 0.24 | Vert(CT) -0.07 | 14 | >999 360 | | |
| BCDL 5.0 | Code IRC2021/TPI201 | 4 Matrix-SH | Horz(CT) 0.01 | 11 | n/a n/a | Weight: 80 | lb FT = 20%F, 11%E |
| LUMBER- | | | BRACING- | | | | |
| TOP CHORD 2x4 SP BOT CHORD 2x4 SP | No.1(flat) No.1(flat) | | TOP CHORD | Structur | al wood sheathing c | lirectly applied or | 6-0-0 oc purlins, except |
| WEBS 2x4 SP | No.3(flat) | | BOT CHORD | Rigid ce | eiling directly applied | l or 6-0-0 oc braci | ng. |
| REACTIONS. (Ib/size |) 17=395/0-4-8 (min. 0-1-8 |), 9=-353/0-3-8 (min. 0-1-8), 11=1 | 1096/0-4-8 (min. 0-1-8 | 3) | | | |
| Max Up Max Gr | olift9=-413(LC 3) av 17=395(LC 3), 11=1096(I | .C 1) | | | | | |
| | Comp (Max Tan All forces | 250 (lb) or loss avaant when show | ND . | | | | |
| TOP CHORD 1-17= | -391/0, 9-18=0/419, 8-18=0/ | 418, 1-2=-504/0, 2-3=-1098/0, 3-4 | =-1169/0, 4-5=-1169/0 | , 5-6=-6 | 50/0, 6-7=0/378, | | |
| 7-8=0, BOT CHORD 15-16 | /540 =0/943, 14-15=0/1229, 13-14 | =0/1002, 12-13=0/272, 11-12=-11 | 189/0, 10-11=-1196/0 | | | | |
| WEBS 7-11= | -1065/0, 1-16=0/597, 2-16=- | 536/0, 5-13=-435/0, 6-13=0/468, 6 | -12=-791/0, 7-12=0/93 | 32, 7-10: | =0/777, 8-10=-661/0 | | |
| NOTES- (5) | | | | | | | |
| Unbalanced floor liv Provide mechanical | e loads have been consider connection (by others) of tru | ed for this design. iss to bearing plate capable of with | nstanding 413 lb uplift | at joint 9 |). | | |
| 3) Recommend 2x6 str be attached to walls | rongbacks, on edge, spaced | at 10-0-0 oc and fastened to each | h truss with 3-10d (0.1 | 31 ["] X 3" |) nails. Strongbacks | s to | |
| 4) CAUTION, Do not e | rect truss backwards. | | | | | | |
| LOAD CASE(S) Stand | ard | | | | | | |
| | | | | | | | |



| Job | Truss | Truss Type | Qty Ply | LOT 0.0017 HONEYCUTT H | IILLS 371 SHELBY MEADOW LANE ANGIER, NC |
|---------------------------------------|---|--|--------------------------------------|---|---|
| 24-8566-F01 | F1-14 | Floor | 4 | 1 | # 53247 |
| | | Ru | un: 8.430 s Feb 12 2021 | Print: 8.630 s Jul 12 2024 MiTek a?SHK4thzkcYI-FI6?bAmVY | Industries, Inc. Thu Oct 10 12:42:30 2024 Page 1 Axkmf ptD.IxPdNI adGmai al JD5P911vi Jai7 |
| 1-3-0 | | | | 1-5-4 | 1-0-00-1_1-8 |
| 1 | | | | I | Scolo = 1:26.0 |
| | | | | | Scale = 1:20.0 |
| | | | | | |
| | | | | | |
| | | | | | 3x4 = |
| | 3x4 = | 3x4 = 1.5x3 3x4 = | 3: | x4 = | 3x8 = 1.5x3 = |
| $1^{3x6} \equiv$ | 2 | 3 4 5 | 6 | | 7 8 |
| 9 W1 | | | | 2 W3 | Wa 18 9 |
| | | B1 | | | |
| | | | | | |
| | 15 | 14 | 13 | 12 | |
| 3X4 | - 3x4 — | 3x6 — | 3X4 — | 3x0 — | 3x4 3x4 — 3x4 |
| | | | | | |
| | | | | | |
| | | | | | |
| 1-6-0 | 4-0-0 | 9-1-8 | 11 | -7-8 13-2-4 | 14-6-12 15-9-12 |
| 1-6-0 Plate Offsets (X,Y) [8:0- | 2-6-0 -1-8.Edge]. [17:Edge.0-1-8] | 5-1-8 | 2- | 6-0 1-6-12 | 1-4-8 1-3-0 |
| | SPACING- 1-4-0 | CSI DEI | El in (loc) | l/defl l/d | PLATES GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.30 Ver | rt(LL) -0.05 14 | >999 480 | MT20 244/190 |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.44 Ver | rz(CT) -0.07 14 rz(CT) 0.01 11 | >999 360 n/a n/a | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | | Weight: 80 lb FT = 20%F, 11%E |
| LUMBER- | 1(flat) | BR/ | ACING- | tural wood sheathing direc | thy applied or 6-0-0 oc purling except |
| BOT CHORD 2x4 SP No | .1(flat) | | end v | verticals. | |
| WEBS 2x4 SP No | .3(flat) | BO | I CHORD Rigid | ceiling directly applied or | 6-0-0 oc bracing. |
| REACTIONS. (Ib/size) Max Uplift | 17=395/0-8-4 (min. 0-1-8), 9=-413(LC 3) | 9=-353/0-7-8 (min. 0-1-8), 11=1096/0-4 | -8 (min. 0-1-8) | | |
| Max Grav | 17=395(LC 3́), 11=1096(LC | 1) | | | |
| FORCES. (lb) - Max. Cor | np./Max. Ten All forces 2 | 50 (lb) or less except when shown. | | | |
| 7-8=0/54 | 1/0, 9-18=0/419, 8-18=0/41 D | 8, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0 | J, 4-5=-1169/0, 5-6= | -050/0, 6-7=0/378, | |
| BOT CHORD 15-16=0/9 WEBS 7-11=-100 | 943, 14-15=0/1229, 13-14= 65/0, 1-16=0/597, 2-16=-53 | 0/1002, 12-13=0/272, 11-12=-1189/0, 10 6/0, 5-13=-435/0, 6-13=0/468, 6-12=-79 | 0-11=-1196/0 1/0, 7-12=0/932, 7-1 | 10=0/777, 8-10=-661/0 | |
| NOTES- (5) | | | | | |
| 1) Unbalanced floor live lo | bads have been considered | for this design. | a 413 lb unlift at ioin | at Q | |
| 3) Recommend 2x6 strong | gbacks, on edge, spaced at | 10-0-0 oc and fastened to each truss w | vith 3-10d (0.131" X | 3") nails. Strongbacks to | |
| 4) CAUTION, Do not erec | their outer ends or restraine t truss backwards. | ed by other means. | | | |
| LOAD CASE(S) Standard | | | | | |
| (, | | | | | |



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUT | T HILLS 371 SHEL | BY MEADOW LANE ANGIER, NO |
|---|---|--|--|-------------------------|---------------------------|--------------------------------|--------------------------------|
| 24-8566-F01 | F1-15 | Floor | 1 | 1 | lah Deference (antio | | # 53247 |
| | | | Run: 8.430 s Feb 1 | 2 2021 Prir | t: 8.630 s Jul 12 2024 Mi | iai) Tek Industries, Inc. T | hu Oct 10 12:42:30 2024 Page 1 |
| 0-1-8 | | | ID.SIXEXEN?C | ouvijia?č | GRAUIZECTI-FIO?DAIII | | INEIIIdGoqLIIOD5F911yOq17 |
| ц <u> </u> | 4 | | | | 1-4-8 | | <u>1-0-0</u> 0 <u>-1</u> _8 |
| | I | | | | I | I | \$cale = 1:26.0 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 3x4 = | 2×4 — | 2×4 — 1.5×2 | 2×4 — | 3×4 | | 276 — | 3x4 = |
| 1.575 — | 3x4 — 2 | 3 4 | 5 5 | 6 | | 3x0 <u>-</u> 7 | 8 |
| 1 [e | | | | | | | |
| | | | | | W3 | | W4 BU1 19 9 |
| | r | | B1 | | | | |
| ×. | | | 10 | | 40 | - X | |
| 14⊿ 1 3×1 II 3: | 6 15 v4 — 3v | 14 1 — 3×8 — | 13 3×4 — | | 12 4×4 — | 3×4 □ | 10 <u>9</u> |
| 5,4 5. | ×4 — | - 3x0 - | 574 — | | 4 4 — | 374 11 | 3X4 — 3X4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | <u> </u> | | | | | <u>15-9-0</u> 2-7-8 |
| Plate Offsets (X,Y) [8 | 3:0-1-8,Edge], [17:Edge,0- | 1-8] | | | | | |
| LOADING (psf) | SPACING- 1- | 4-0 CSI . | DEFL. in | (loc) | /defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1 | .00 TC 0.29 00 BC 0.24 | Vert(LL) -0.05 Vert(CT) -0.07 | 14 × 14 × | >999 480 >999 360 | MT20 | 244/190 |
| BCLL 0.0 | Rep Stress Incr Y | ES WB 0.43 | Horz(CT) 0.01 | 11 | n/a n/a | | |
| BCDL 5.0 | Code IRC2021/TPI20 | 014 Matrix-SH | | | | Weight: 80 | Ib FT = 20%F, 11%E |
| LUMBER- | N - 4 (8 - 4) | | BRACING- | 0 | - 1 | | |
| BOT CHORD 2x4 SP | No.1(flat) | | TOP CHORD | end vert | icals. | recuy applied or | 6-0-0 oc punins, except |
| WEBS 2x4 SP | No.3(flat) | | BOT CHORD | Rigid ce | iling directly applied | or 6-0-0 oc braci | ng. |
| REACTIONS. (Ib/size) |) 17=389/0-3-8 (min. 0-1- | 8), 9=-348/0-7-8 (min. 0-1-8), 1 | 1=1088/0-4-8 (min. 0-1-8 | 3) | | | |
| Max Up Max Gr | lift9=-409(LC 3) av 17=389(LC 3)_11=1088 | (I C 1) | | | | | |
| | | | | | | | |
| TOP CHORD 17-18 | Comp./Max. Ten All force =-386/0, 1-18=-385/0, 9-19 | s 250 (lb) or less except when si =0/414, 8-19=0/414, 1-2=-503/0, | nown. 2-3=-1090/0, 3-4=-1155/ | /0, 4-5=-1 | 155/0, 5-6=-632/0, | | |
| 6-7=0 | /399, 7-8=0/535 | | 4400/0 | -, | | | |
| WEBS 7-11=- | =0/936, 14-15=0/1219, 13- ·1057/0, 1-16=0/571, 2-16= | :-529/0, 5-13=-439/0, 6-13=0/472 | =-1183/0 2, 6-12=-791/0, 7-12=0/9(| 04, 7-10= | 0/768, 8-10=-654/0 | | |
| NOTES. (5) | | | | | | | |
| 1) Unbalanced floor liv | e loads have been conside | red for this design. | | | | | |
| Provide mechanical Recommend 2x6 str | connection (by others) of t | russ to bearing plate capable of v d at 10-0-0_oc and fastened to e | withstanding 409 lb uplift each truss with 3-10d (0 1 | at joint 9 31" X 3") | nails, Stronobacks | to | |
| be attached to walls | at their outer ends or restr | ained by other means. | | , | | | |

LOAD CASE(S) Standard



| Job | Truss | | Truss Type | | | Qty | Ply LOT | 0.0017 HONEYCUTT | HILLS 371 SHELBY | MEADOW LANE ANG | IER, N |
|---|--|--|------------------------------------|---|--|--------------------------------------|---|---|--|--|----------------------------|
| 24-8566-F01 | F1-19 | | GABLE | | | 1 | 1 Job | Reference (optional | I) | # 53247 | |
| 0 ₁ 78 | | | | | Run: | 8.430 s Feb 1 ID:5fxLxLn | I2 2021 Print: 8.6 ?C6dWjia?SHF | 30 s Jul 12 2024 MiTel (4thzkcYI-jVgNoWn | k Industries, Inc. Thu (7JU3aNpZ0RwqAy | Dot 10 12:42:31 2024 rwZ81fhZuGdSl8iaT Scale = | Page 1 īyUql6 1:22.9 |
| $1.5x3 \\ 1.5x3 = 1. \\ 1 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$ | 5x3 e T1 e XXXXXX | 1.5x3 3 ST1 | 1.5x3 4 ST1 | 1.5x3 5 ST1 | 6 ^{3x4} = T1 ST1 W2 B1 | 1.5x3 7 ST1 | 1.5x3 8 ST1 | 1.5x3 9 ST1 | 1.5x3 10 ST1 | 1.5x3 3x4 11 12 ST1 W1 | |
| 24 2 3x4 1. | 3 5x3 | 22 1.5x3 | 21 1.5x3 | 20 1.5x3 | 19 1.5x3 | 18 3x4 = | 17 1.5x3 | 16 1.5x3 | 15 1.5x3 | 14 13 3x4 1.5x3 | |
| <u>1-4-0</u> 1-4-0 Plate Offsets (X,Y) [| <u>2-8-0</u> 1-4-0 6:0-1-8,Edge | 4-0-0 1-4-0], [18:0-1-8,E | 5-4-0 1-4-0 dge], [24:Edge,0 | <u>6-8-0</u> 1-4-0 | 8-0-0 1-4-0 |) | 9-4-0 1-4-0 | 10-8-0 1 1-4-0 | 2-0-0 13- 1-4-0 1-4 | 4-0 <u>13-11-8</u> 1-0 0-7-8 | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACII Plate G Lumber Rep Str Code IF | NG- 2 Grip DOL 7 r DOL 7 ress Incr N RC2021/TPI2 | 0-0 .00 .00 ⁄ES 014 | CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH | DEFL Vert(L Vert(C Horz(| in .L) n/a CT) n/a CT) 0.00 | (loc) l/defi - n/a - n/a 13 n/a | L/d 999 999 n/a | PLATES MT20 Weight: 59 lb | GRIP 244/190 FT = 20%F, 11 | 1%E |
| LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP | No.1(flat) No.1(flat) No.3(flat) No.3(flat) | | | | BRAC TOP (BOT (| C ING- CHORD CHORD | Structural wo end verticals Rigid ceiling | ood sheathing dire directly applied or | ctly applied or 6-0 10-0-0 oc bracing | I-0 oc purlins, exc g. | ept |

REACTIONS. All bearings 13-11-8.

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

NOTES-(6)

Gable requires continuous bottom chord bearing.
 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



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HI | LLS 371 SHELBY MEADOW | V LANE ANGIER, | NC |
|-------------|-------|--------------|---------------------------|------------------------------------|--|---|---------------------------------|----------|
| 24-8566-F01 | F1-20 | Floor | 4 | 1 | Job Reference (optional) | # | 53247 | |
| | | | Run: 8.430 s ID:5fxLxL | Feb 12 2021 Print _n?C6dWjia?SH | : 8.630 s Jul 12 2024 MiTek li K4thzkcYI-BhEm?som4n | ndustries, Inc. Thu Oct 10 12 BR?z8C?eLPV2SfBQrkIE | :42:32 2024 Page CnhPuG6wyUc | 1 15 |
| 0-1-8 | | | | | | | | |
| H ⊢ | | | | | | <u> 1-2-</u> 4 | 1 Scale = 1:23 | 5 |
| | | | | | | | 00010 1120 | |
| | | | | | | | | |
| | | | | | | | | |
| 4x4 = | | | | | | | | |
| 1.5x3 = | 3x4 = | $3x4 \equiv$ | 3x8 = | | $3x4 \equiv$ | $4x4 \equiv$ | 3x4 | |
| 1 | 2 | 3 | 4 T1 | | 5 | 6 | 7 | |
| | | 2 | | | | | w1 | 0-0 |
| | | | B1 0 | | | | | ÷ l |
| 15 14 | 1 | 3 12 | 11 | 10 | 9 | | | |

| 1-6-0 | 4-0-0 | 6-6-0 | 9-1-8 | 11-7-8 | 14-0-12 14-3-12 |
|---|---|--|--|--|--|
| | 2-6-0 | 2-6-0 | 2-7-8 | 2-6-0 | 2-5-4 0-3-0 |
| Plate Olisets (X, Y) | [1:Eage,0-1-8], [15:Eage,0-1-8] | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES | CSI. TC 0.36 BC 0.59 WB 0.56 | DEFL. in (lo Vert(LL) -0.17 11-1 Vert(CT) -0.23 11-1 Horz(CT) 0.04 | c) l/defl L/d 2 >999 480 2 >739 360 8 n/a n/a | PLATES GRIP MT20 244/190 |
| BCDL 5.0 | | Mault-SH | | | Weight. 711b F1 = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI | P No.1(flat) P No.1(flat) | | BRACING- TOP CHORD Strue | ictural wood sheathing o | lirectly applied or 6-0-0 oc purlins, except |

3x4 =

2x4 SP No.3(flat) WEBS

3x4 ||

3x8 =

BOT CHORD

1.5x3 ||

3x4 =

4x4 =

3x6 =

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (Ib/size) 15=767/0-7-8 (min. 0-1-8), 8=773/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-762/0, 1-16=-760/0, 1-2=-1038/0, 2-3=-2447/0, 3-4=-3029/0, 4-5=-2818/0, 5-6=-1811/0

3x4 =

BOT CHORD 13-14=0/1946, 12-13=0/2911, 11-12=0/3120, 10-11=0/3120, 9-10=0/2499, 8-9=0/1084

1-14=0/1182, 2-14=-1108/0, 2-13=0/611, 3-13=-567/0, 4-10=-363/0, 5-10=0/389, 5-9=-840/0, 6-9=0/888, 6-8=-1302/0 WEBS

NOTES-(3)

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

2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY | Y MEADOW LANE ANGIER, NC |
|-------------|-------|--------------|--------------------------|-------------------------|--|--|
| 24-8566-F01 | F1-21 | Floor Girder | 1 | 1 | Job Reference (optional) | # 53247 |
| | | Run: 8. | 430 s Feb 1 ID:5fxLxL | 2 2021 Prii n?C6dWji | nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu a?SHK4thzkcYI-fto8DCpOr5JId6jOZLte1G | u Oct 10 12:42:33 2024 Page 1 ?mRq6c1alwv3dpeMyUqI4 |

0-1-8

$$|| - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 || - 1-3-0 ||$$



| | <u>4-9-4</u> 4-9-4 | | 9-5-12 4-8-8 | | | | |
|---|--|---|--|---|--|---|--|
| Plate Offsets (X,Y) | [7:0-3-0,Edge], [15:0-1-8,Edge] | | | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014 | CSI. TC 0.58 BC 0.94 WB 0.96 Matrix-SH | DEFL. in Vert(LL) -0.29 1 Vert(CT) -0.36 1 Horz(CT) 0.05 | (loc) l/defl L/d l2-13 >582 480 l2-13 >471 360 8 n/a n/a | PLATES MT20 Weight: 112 lb | GRIP 244/190 FT = 20%F, 11%E | |
| LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF W2: 2> | ⁹ No.1(flat) ⁹ No.1(flat) ⁹ No.3(flat) *Except* «4 SP No.2(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing d end verticals. Rigid ceiling directly applied | irectly applied or 6-0 or 10-0-0 oc bracino | -0 oc purlins, except j. | |

REACTIONS. (lb/size) 17=1444/0-7-8 (min. 0-1-8), 8=1447/0-4-8 (min. 0-1-8)

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

TOP CHORD 1-17=-1420/0, 7-8=-1434/0, 1-2=-2401/0, 2-3=-6230/0, 3-18=-7839/0, 4-18=-7839/0, 4-19=-7716/0, 5-19=-7716/0, 5-6=-5453/0, 6-7=-1493/0

BOT CHORD 15-16=0/4497, 14-15=0/7313, 13-14=0/7314, 12-13=0/8289, 11-12=0/7252, 10-11=0/7255, 9-10=0/3697

WEBS 3-13=0/602, 4-13=-525/0, 4-12=-669/0, 5-12=0/614, 5-10=-2063/0, 6-10=0/2048, 6-9=-2571/0, 7-9=0/2008,

1-16=0/2716, 2-16=-2445/0, 2-15=0/2022, 3-15=-1481/0

NOTES- (6)

1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to

be attached to walls at their outer ends or restrained by other means.

2) CAUTION, Do not erect truss backwards.

3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 4-9-4 from the left end to

9-5-12 to connect truss(es) F1-24 (1 ply 2x4 SP), F1-23 (1 ply 2x4 SP), F1-22 (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: 8-17=-10, 1-7=-100

Concentrated Loads (lb)

Vert: 3=-425(B) 5=-447(B) 18=-236(B) 19=-236(B)



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|--------------|-----------|-------------|--|---------------------------------|
| 24-8566-F01 | F1-22 | Floor Girder | 1 | 1 | Job Reference (optional) | # 53247 |
| | | Run 8 | 430 s Feb | 12 2021 Pri | nt: 8.630 s. Jul 12 2024 MiTek Industries Inc. | Thu Oct 10 12:42:34 2024 Page 1 |





| ⊢ —– | 2-1-0 <u>1-6-0</u> <u>1-11-8</u> <u>3</u> 1-6-0 0-5-80-1-8 1 | -5-8 -4-8 | <u>5-11-8</u> 2-6-0 | 8-5-8 | 9-8-0 | | | |
|---|---|--|---|--|---|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCCL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO | CSI. TC 0.50 BC 0.24 WB 0.47 Matrix SH | DEFL. ir Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.01 | n (loc) l/defl L/d 8 8 >999 480 8 8 >999 360 6 n/a n/a | PLATES GRIP MT20 244/190 | | | |
| LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF | P No.1(flat) P No.3(flat) P No.3(flat) | Maux-Sn | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing end verticals. Rigid ceiling directly applie | directly applied or 6-0-0 oc purlins, except d or 6-0-0 oc bracing. | | | |
| REACTIONS. (Ib/siz Max G | REACTIONS. (lb/size) 6=528/Mechanical, 10=1370/0-8-0 (min. 0-1-8) Max Grav 6=547(LC 4), 10=1370(LC 1) | | | | | | | |
| FORCES. (lb) - Max. TOP CHORD 5-6= BOT CHORD 10-1 WEBS 2-10 | . Comp./Max. Ten All forces 250 (l -543/0, 1-2=0/623, 3-16=-994/0, 4-10 1=-902/0, 9-10=-871/0, 8-9=0/863, 7 =-1320/0, 1-11=-749/0, 2-11=0/489, | b) or less except when sh 6=-994/0, 4-17=-517/0, 5- -8=0/1088 2-9=0/990, 3-9=-929/0, 4- | own. 17=-517/0 -7=-697/0, 5-7=0/665 | | | | | |
| NOTES- (9) 1) Unbalanced floor live loads have been considered for this design. 2) Refer to girder(s) for truss to truss connections. 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 4-1-4 from the left end to 8-1-4 to connect truss(es) F1-27 (1 pty 2x4 SP) to back 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) Stan 1) Dead + Floor Live Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26 2) Dead: Lumber Incr Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 6-12= Concentrated Load Vert: 6-12= Concentrated Load Vert: 1=-26 | dard (balanced): Lumber Increase=1.00, j -10, 1-2=-190(F=-90), 2-5=-100 ds (lb) 64 15=-144(B) 16=-144(B) 17=-144(F ease=1.00, Plate Increase=1.00) -10, 1-2=-190(F=-90), 2-5=-100 ds (lb) 64 15=-144(B) 16=-144(B) 17=-144(F ive (unbalanced): Lumber Increase=) -10, 1-2=-190(F=-90), 2-5=-20 ds (lb) 64 15=-224(B) 16=-224(B) 17=-224(F | Plate Increase=1.00 3) 3) 1.00, Plate Increase=1.00 3) | 0 | | SEAL 28147 10/9/2024 | | | |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SH | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|--------------|-------------------|-------------|---|---------------------------------|
| 24-8566-F01 | F1-22 | Floor Girder | 1 | 1 | Job Reference (optional) | # 53247 |
| | | Bu | in: 9 420 a Eab 1 | 2 2021 Driv | at: 9 620 a Jul 12 2024 MiTak Industrias Inc. | Thu Oct 10 12:42:24 2024 Dogo 2 |

ID:5fxLxLn?C6dWjia?SHK4thzkcYI-84MWQYp0cPR9EGIa63OtaTYzUEdhm8748jNNAoyUqI3

LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-110(F=-90), 2-5=-100

- Concentrated Loads (lb)
- Vert: 1=-264 15-144(B) 16=-144(B) 17=-144(B)
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
 - Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-20 Concentrated Loads (lb)
- Vert: 1=-264 15-224(B) 16-224(B) 17-224(B) 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf) Vert: 6-12=-10, 1-2=-110(F=-90), 2-5=-100

Concentrated Loads (lb) Vert: 1=-264 15=-144(B) 16=-144(B) 17=-144(B)



| Job | Truss | Truss Type | Qty | Ply LOT 0.0017 HONEYCUTT HI | LLS 371 SHELBY MEADOW LANE ANGIER, NO |
|-------------|-------|---------------|------------------------------------|--|--|
| 24-8566-F01 | F1-23 | Floor Special | 2 | 1 Job Reference (optional) | # 53247 |
| | | | Run: 8.430 s Feb 12 ID:5fxLxLn? | 2 2021 Print: 8.630 s Jul 12 2024 MiTek I C6dWjia?SHK4thzkcYI-cGwueuqeN | ndustries, Inc. Thu Oct 10 12:42:35 2024 Page 1 \iZ0sQtngmv66h4Afe_TVevDNN6wjFyUqI2 |
| 0-1- | 8 | | | | |
| Н | 1-3-0 | 0-5-8 | | | 0-11-8 Scale = 1:17.3 |
| | | | | | |
| | | 3x8 = | 3x4 = | 3x4 = | 3x6 = |
| 1 | 3x4 = | 2 | 3 | 4 | 5 |
| | 1.5%3 | W3 | | | W4 W1 |

13

~ 4 ~

| 12 1.5x3 | $\begin{array}{c} 11\\ 3x4 = \end{array} \qquad \begin{array}{c} 1\\ 3x4 \parallel \end{array} \qquad \begin{array}{c} 3x4 \parallel \end{array}$ | 9 3x4 = | 8 3x4 = | 7 3x4 = | 6 3x4 |
|-------------|---|------------|------------|------------|----------|
| | | | | | |

R1

| | <u>1-6-0</u> <u>1-11-8</u> <u>1-6-0</u> <u>0-5-80-1-8</u> | 3-5-8 1-4-8 | <u>5-11-8</u> 2-6-0 | 8-5-8 2-6-0 | 9-8-0 1-2-8 | | |
|---|---|---|--|---|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014 | CSI. TC 0.35 BC 0.14 WB 0.31 Matrix-SH | DEFL. in Vert(LL) -0.02 Vert(CT) -0.02 Horz(CT) 0.00 | (loc) l/defl L/d 8 >999 480 8 >999 360 6 n/a n/a | PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E | | |
| LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF | P No.1(flat) P No.1(flat) P No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing o end verticals. Rigid ceiling directly applied | directly applied or 6-0-0 oc purlins, except d or 6-0-0 oc bracing. | | |
| Max G | e) 6=317/Mechanical, 10=976/ irav 6=336(LC 4), 10=976(LC 1) | J-8-0 (min. 0-1-8) | | | | | |
| FORCES. (lb) - Max. TOP CHORD 5-6=- BOT CHORD 10-17 WEBS 2-10= | Comp./Max. Ten All forces 25 332/0, 1-2=0/522, 2-3=0/501, 3- 1=-763/0, 9-10=-745/0, 8-9=-296 940/0, 1-11=-627/0, 2-11=0/42 | 0 (lb) or less except when sho 4=-546/145, 4-5=-297/2 /443, 7-8=-33/611 3, 2-9=0/650, 3-9=-598/0, 4-7: | own. =-384/38, 5-7=-3/381 | | | | |
| NOTES- (6) 1) Unbalanced floor live loads have been considered for this design. 2) Refer to girder(s) for truss to truss connections. 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. | | | | | | | |
| LOAD CASE(S) Stan 1) Dead + Floor Live (Uniform Loads (plf) Vert: 6-12= Concentrated Load Vert: 1=-26 | dard (balanced): Lumber Increase=1.() -10, 1-5=-100 Is (Ib) 4 | 00, Plate Increase=1.00 | | | | | |
| 2) Dead: Lumber Incr Uniform Loads (plf) Vert: 6-12= Concentrated Load | ease=1.00, Plate Increase=1.00 -10, 1-5=-100 Is (lb) | | | | THE CAROLINE | | |
| 3) 1st Dead + Floor Li Uniform Loads (plf) Vert: 6-12= Concentrated Load Vert: 1=-26 | ¹⁴ ive (unbalanced): Lumber Increa) 10, 1-2=-100, 2-5=-20 is (lb) 4 | se=1.00, Plate Increase=1.00 | | | SEAL 28147 | | |
| 4) 2nd Dead + Floor L Uniform Loads (plf) Vert: 6-12= | .ive (unbalanced): Lumber Increa) -10, 1-2=-20, 2-5=-100 | ase=1.00, Plate Increase=1.00 | 0 | | A MORRIGHT | | |

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

10/9/2024

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SH | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|---------------|-----|------------|--|-----------------------------|
| 24-8566-F01 | F1-23 | Floor Special | 2 | 1 | Job Reference (optional) | # 53247 |
| | | | D | 0.0004 D.: | t 0.000 - I I 40.0004 MIT-I Is Is short in a | Thu 0-140 40 40 05 0004 D- |

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LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 1=-264 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 6-12=-10, 1-2=-100, 2-5=-20 Concentrated Loads (lb) Vert: 1=-264 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 6-12=-10, 1-2=-20, 2-5=-100 Concentrated Loads (lb)

Vert: 1=-264



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELB | Y MEADOW LANE ANGIER, NC |
|--|-------|--------------|-----|-----|--|--------------------------|
| 24-8566-F01 | F1-24 | Floor Girder | 1 | 1 | Job Reference (optional) | # 53247 |
| Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:36 2024 Page 1 | | | | | | |



| | 2-1-0 <u>1-6-0 1-11-8 3-5</u> <u>1-6-0 0-5-80-1-8 1-4</u> | -8 -8 | <u>5-11-8</u> 2-6-0 | <u>8-5-8</u> 2-6-0 | <u>9-8-0</u> 1-2-8 | | | | |
|---|--|---|--|---|--|--|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014 | CSI. TC 0.53 BC 0.24 WB 0.47 Matrix-SH | DEFL. in Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.01 | (loc) l/defl L/d 8 >999 480 8 >999 360 6 n/a n/a | PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E | | | | |
| LUMBER- BRACING- TOP CHORD 2x4 SP No.1(flat) TOP CHORD BOT CHORD 2x4 SP No.1(flat) TOP CHORD WEBS 2x4 SP No.3(flat) BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, exception of verticals. BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing. | | | | | | | | | |
| REACTIONS. (Ib/size) 6=506/Mechanical, 10=1382/0-8-0 (min. 0-1-8) Max Grav 6=525(LC 4), 10=1382(LC 1) | | | | | | | | | |
| FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 5-6=-521/0, 1-2=0/616, 3-16=-984/0, 4-17=-508/0, 5-17=-508/0 BOT CHORD 10-11=-891/0, 9-10=-859/0, 8-9=0/862, 7-8=0/1068 WEBS 2-10=-1332/0, 1-11=-740/0, 2-11=0/483, 2-9=0/985, 3-9=-924/0, 4-7=-684/0, 5-7=0/653 | | | | | | | | | |
| NOTES- (9) 1) Unbalanced floor live loads have been considered for this design. 2) Refer to girder(s) for truss to truss connections. 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-9-12 from the left end to 7-9-12 to connect truss(es) F1-25 (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) exciting loads applied to the face of the truss are noted as front (E) or back (R). | | | | | | | | | |
| LOAD CASE(S) Stan 1) Dead + Floor Live Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26 2) Dead: Lumber Incr Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26 3) 1st Dead + Floor L Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1= 26 Vert: 1= 26 | dard (balanced): Lumber Increase=1.00, PI 10, 1-2=-190, 2-5=-100 Is (lb) 64 15=-141(F) 16=-141(F) 17=-141(F) ease=1.00, Plate Increase=1.00) 10, 1-2=-190, 2-5=-100 Is (lb) 64 15=-141(F) 16=-141(F) 17=-141(F) ive (unbalanced): Lumber Increase=1) 10, 1-2=-190, 2-5=-20 Is (lb) 64 15=-221(F) 16=-221(F) 17=-221(F) | late Increase=1.00 .00, Plate Increase=1.00 | 0 | | SEAL 28147 | | | | |
| Warning L. Varify da | $\frac{1}{2} = \frac{1}{2} = \frac{1}$ | | , where the showing and | nd is for an individual building a | 10/9/2024 | | | | |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|--------------|--------------|-------------|--|---------------------------------|
| 24-8566-F01 | F1-24 | Floor Girder | 1 | 1 | Job Reference (optional) | # 53247 |
| | | Ru | n 8/30 c Eeb | 12 2021 Pri | nt: 8.630 s. Jul 12 2024 MiTek Industries Inc. | Thu Oct 10 12:42:36 2024 Page 2 |

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LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-110, 2-5=-100

- Concentrated Loads (lb) Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
 - Vert: 6-ï2=-10, 1-2=-190, 2-5=-20
 - Concentrated Loads (lb)
- Vert: 1=-264 15=-221(F) 16=-221(F) 17=-221(F) 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf) Vert: 6-12=-10, 1-2=-110, 2-5=-100

Concentrated Loads (lb) Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)





LUMBER-

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

TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=241/0-7-8 (min. 0-1-8), 4=241/Mechanical

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

BOT CHORD 5-6=0/357 WEBS 2-5=-300/0

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





OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 4-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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





LUMBER-

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

TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=244/Mechanical, 4=244/0-4-8 (min. 0-1-8)

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

BOT CHORD 5-6=0/368 WEBS 2-5=-298/0

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





REACTIONS. All bearings 4-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY MEADOW LANE ANGIER, NO | | |
|--|---|---|------------------------------|-------------------|--|--|--|
| 24-8566-F01 | F1-29 | Floor | 1 | 1 | # 53247 | | |
| | | | Run: 8.430 s Feb 1 | 2 2021 Prir | Job Reference (optional) tt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:39 2024 Page 1 | | |
| 018 | | | ID:5fxLxLn | C6dWjia' | ?SHK4thzkcYI-U19PUFt9Rx3SL1AYvcz2HXFrJFJLRMdpl?48s0yUql_ | | |
| 0-1-0 | | | | | 0.7.2 0.6.12 0.10.8 1.1.8 | | |
| H | | | | | Scale = 1:25.9 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 3x4 = | | | | | | | |
| 1.5x3 = | 3x4 = | 3x8 = | $3x4 \equiv$ | 3x4 | 4 = 4x8 = 3x4 | | |
| | 2 | 5 | 4 T1 | 5 | | | |
| 921 | | | | | - w3+1 ~ + + ~ + + ~ w6 + + ? | | |
| | | | B1 | | | | |
| | | Ŭ | Ľ | | | | |
| 20 19 | 18 | 17 16 | 15 | | 14 13 #2 | | |
| 3x4 3x4 | = 3x4 = | = 1.5x3 3x4 = | 3x4 = | | $3x4 = 3x4 \parallel 4x6 = 4x6 = 3x6 =$ | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | 13-8-10 13-0463-3-12 | | |
| | | 12-4-2 | | | 12-9-0 13-3-6 14-3-6 12-5-10 13-1-14 14-1-14 15-9-6 | | |
| | | 12-4-2 | | | 0-1-8 0-3-6 0-4-14 0-1-8 1-6-0 | | |
| | | | | | 0-1-8 0-3-4 | | |
| Plate Offsets (X,Y) [20 | :Edge,0-1-8] | | | | 0-0-6 | | |
| | SPACING 1-4-0 | CSI | DEEL in | (loc) | | | |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.43 | Vert(LL) -0.05 | 17 2 | >999 480 MT20 244/190 | | |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.28 | Vert(CT) -0.08 | 16 > | >999 360 | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | Matrix-SH | | 12 | Weight: 85 lb FT = 20%F, 11%E | | |
| LUMBER- | | | BRACING- | | | | |
| TOP CHORD 2x4 SP No | o.1(flat) | | TOP CHORD | Structura | al wood sheathing directly applied or 6-0-0 oc purlins, except | | |
| WEBS 2x4 SP No | o.1(flat) o.3(flat) | | BOT CHORD | Rigid cei | icals. iling directly applied or 6-0-0 oc bracing. | | |
| | 20-400/0 7 44 (min 0 4 0 | 10 - 0.40/4 7.0 (min 0.4.0) | 14-000/4 7 0 (min 0 4 | 0) 11- | 200(4.7.0) (min 0.4.0) 12-2204(0.4.0) (min 0.4.0) | | |
| Max Uplif | 20=402/0-7-14 (min. 0-1-8) t10=-372(LC 3), 11=-476(LC |), 10=-340/1-7-8 (min. 0-1-8), C 3), 11=-396(LC 1) | 11=-396/1-7-8 (min. 0-1 | -8), 11=- | 396/1-7-8 (min. 0-1-8), 12=2204/0-4-8 (min. 0-1-8) | | |
| | mp (Max Tan All foreas ? | (lb) or loss avaant when sh | 0.00 | | | | |
| TOP CHORD 20-21=-3 | 399/0, 1-21=-398/0, 1-2=-52 | 3/0, 2-3=-1149/0, 3-4=-1222/0 | , 4-5=-764/0, 6-7=0/168 | 5, 7-8=0/ | 614 | | |
| BOT CHORD 18-19=0 | /973, 17-18=0/1311, 16-17= | 0/1311, 15-16=0/1116, 14-15= | =0/391, 13-14=-581/0, 12 | 2-13=-58 | 1/0, 11-12=-1685/0, | | |
| WEBS 8-11=-46 | 52/0, 7-12=-934/0, 7-11=0/1 | 357, 8-10=0/728, 1-19=0/594, | 2-19=-550/0, 4-15=-429 | /0, 5-15= | 0/455, 5-14=-730/0, | | |
| 6-14=0/ | 589, 6-12=-1622/0 | | | | | | |
| NOTES- (6-9) | | | | | | | |
| Unbalanced floor live I Provide mechanical co | loads have been considered onnection (by others) of trus | l for this design. s to bearing plate capable of w | vithstanding 372 lb uplift | at ioint 1 | 0 and 476 lb uplift at | | |
| joint 11. | | | | | | | |
| 3) Load case(s) 1, 2, 3, 4 use of this truss | l, 5, 6 has/have been modifi | ed. Building designer must rev | new loads to verify that the | hey are c | correct for the intended | | |
| 4) Recommend 2x6 stror | ngbacks, on edge, spaced a | t 10-0-0 oc and fastened to ea | ach truss with 3-10d (0.1 | 31" X 3") | nails. Strongbacks to | | |
| 5) CAUTION. Do not ere | t their outer ends or restrain ct truss backwards. | ed by other means. | | | | | |
| 6) Graphical bracing repr | resentation does not depict t | he size, type or the orientation | of the brace on the mer | mber. Syı | mbol only indicates that | | |
| 7) Bearing symbols are o | praced. only graphical representation | is of a possible bearing conditi | on. Bearing symbols are | e not cons | sidered in the structural | | |
| design of the truss to s | support the loads indicated. | ······································ | · | | | | |
| 8) Web bracing shown is Restraining & Bracing | of Metal Plate Connected V | ual web members only. Refer | to BCSI - Guide to Good | i Practice | a for Handling, Installing, the the card of the card | | |
| 9) SEE BCSI-B3 SUMMA | ARY SHEET- PERMANENT | RESTRAING/BRACING OF C | HORDS & WEB MEMB | ERS FOI | RRECOMMENDED | | |
| MINIMUM BRACING F GUIDELINES, ALWAY | REQUIREMENTS OF TOP ((S CONSULT THE PROJE(| CHORD, BOTTOM CHORD, A CT ARCHITECT OR ENGINEE | ND WEB PLANES. IN A | ADDITIO RACING | CONSIDERATIONS | | |
| | | | | | 28147 | | |
| 1) Dead + Floor Live (bal | d lanced): Lumber Increase=1 | 00 Plate Increase=1.00 | | | | | |
| | | | | | | | |
| vert: 10-20=-7, 1-9=-67 Concentrated Loads (Ib) | | | | | | | |
| Vert: 6=-735 | | | | | | | |
| | | | | | 10/9/2024 | | |
| Warning ! | n parameters and read notes b | efore use. This design is based only | upon parameters shown, an | d is for an | individual building component to be installed and loaded | | |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|------------------|-------------|--|---------------------------------|
| 24-8566-F01 | F1-29 | Floor | 1 | 1 | Job Reference (optional) | # 53247 |
| | | Ru | n: 8/130 s Eeb 1 | 2 2021 Prir | at: 8.630 s. Jul 12 2024 MiTek Industries Inc. | Thu Oct 10 12:42:30 2024 Page 2 |

In: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 Mi Lek Industries, Inc. Thu Oct 10 12:42:39 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-U19PUFt9Rx3SL1AYvcz2HXFrJFJLRMdpI?48s0yUqI_

LOAD CASE(S) Standard 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-9=-67 Concentrated Loads (lb) Vert: 6=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-67, 7-9=-13 Concentrated Loads (lb) Vert: 6=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-13, 7-9=-67 Concentrated Loads (lb) Vert: 6=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-67, 7-9=-13 Concentrated Loads (lb) Vert: 6=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-13, 7-9=-67 Concentrated Loads (lb)

Vert: 6=-735



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT H | ILLS 371 SHELBY MEADOW LANE ANGIER, N |
|---|---|---|---|----------------------------|--|--|
| 24-8566-F01 | F1-30 | Floor | 2 | 1 | | # 53247 |
| | | | Run: 8.430 s Feb | 12 2021 Prir | Job Reference (optional) ht: 8.630 s Jul 12 2024 MiTek | Industries, Inc. Thu Oct 10 12:42:40 2024 Page 1 |
| | | | ID:5fxLxL | .n?C6dWjia | a?SHK4thzkcYI-yEjnhbun | CFBJyBlkTJVHpko0zffLAn6yWfqhNSyUqHz |
| 0-1-8 | | | | | | |
| H ⊢ <u>1-3-0</u> | | | | | 0-7- | $\frac{-2}{2}$ $\frac{0-6-12}{5}$ $\frac{1-3-8}{5}$ $\frac{0}{1-8}$ |
| | | | | | | - 1.24.4 |
| | | | | | | |
| | | | | | | |
| 3×4 — | | | | | | |
| 1 5x3 — | 3v4 — | 3x8 — | 3x4 — | | 3x4 — | 4x8 — 1 5x3 II |
| 1 | 2 | 3 | 4 | | 5 | 4x8 = 8 |
| | | | T1 | | | |
| 919 | | | | / | 1 M | |
| - 19 | | | | \checkmark | | |
| | | | <b1< td=""><td><u>له</u></td><td></td><td></td></b1<> | <u>له</u> | | |
| | 17 1 | 6 15 14 | | 12 | 10 | |
| 2×4 | 17 2v1 — 2 | v 15 14 | | 13 2v4 — | 1Z 2x4 — | |
| 3X4 | 3X4 — 3 | x4 — 1.5x5 5x4 - | | 384 — | 3x4 — | 5x4 4x0 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | 13-0-6 |
| | | 10.1.0 | | | | 12-9-0 |
| | | 12-4-2 | | | | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| Plate Offects (X V) | [7:0.3.0 Edge] [0:Edge 0.3.0 | 1 [18·Edge 0 1 8] | | | | 0-3-6 0-1-8 |
| | [7.0-3-0,Euge], [9.Euge,0-3-0 | <u>j, [10.Ľuge,0-1-0]</u> | | | | |
| LOADING (psf) | SPACING- 1-4 | | DEFL. in | (loc) | I/defl L/d | PLATES GRIP |
| TCDI 10.0 | Plate Grip DOL 1.0 | 0 IC 0.44 | Vert(LL) -0.05 | 15 × | >999 480 | MT20 244/190 |
| BCLL 0.0 | Rep Stress Incr N | O WB 0.82 | Horz(CT) 0.01 | 10 | n/a n/a | |
| BCDL 5.0 | Code IRC2021/TPI201 | 4 Matrix-SH | | | | Weight: 78 lb FT = 20%F, 11%E |
| LUMBER- | | | BRACING- | | | |
| TOP CHORD 2x4 SP | PNo.1(flat) | | TOP CHORD | Structura | al wood sheathing direc | tly applied or 6-0-0 oc purlins, except |
| WEBS 2x4 SP | ^o No. I (llat) ^o No.3(flat) | | BOT CHORD | Riaid ce | iling directly applied or 6 | 6-0-0 oc bracing. |
| | | | | | | |
| REACTIONS. (Ib/size | e) 18=415/0-7-14 (min. 0-1- plift0= 871/LC 3) | 8), 9=-834/0-8-0 (min. 0-1-8), 1 | 0=2215/0-4-8 (min. 0-1 | -8) | | |
| Max G | rav 18=415(LC 3), 10=2215(L | .C 1) | | | | |
| | | | | | | |
| TOP CHORD 18-19 | Comp./Max. Ten All forces | 250 (ID) or less except when sh 542/0 2-3=-1204/0 3-4=-1313/0 | own. 4-5=-890/0 6-7=0/150 |)4 | | |
| BOT CHORD 16-17 | 7=0/1010, 15-16=0/1383, 14- | 15=0/1383, 13-14=0/1224, 12-13 | 3=0/535, 11-12=-412/59 |), 10-11=- | 412/59, 9-10=-1504/0 | |
| WEBS 7-10= | 980/0, 7-9=0/1728, 1-17=0/0 | 616, 2-17=-572/0, 4-13=-408/0, | 5-13=0/434, 5-12=-710 | /0, 6-12=0 |)/573, 6-10=-1608/0 | |
| NOTES- (6-9) | | | | | | |
| 1) Unbalanced floor liv | ve loads have been considered | ed for this design. | | | | |
| 2) Provide mechanica 3) Load case(s) 1 2 3 | il connection (by others) of tru 3 4 5 6 has/have been mod | iss to bearing plate capable of will be a second to the second | ithstanding 871 lb uplif view loads to verify that | t at joint 9 they are c | correct for the intended | |
| use of this truss. | | | ion loads to volly that | andy and a | | |
| 4) Recommend 2x6 st | trongbacks, on edge, spaced | at 10-0-0 oc and fastened to ea | ach truss with 3-10d (0. | 131" X 3") |) nails. Strongbacks to | |
| 5) CAUTION, Do not e | erect truss backwards. | ned by other means. | | | | |
| 6) Graphical bracing r | epresentation does not depic | t the size, type or the orientation | of the brace on the me | ember. Sy | mbol only indicates that | |
| 7) Rearing symbols ar | e braced. e only graphical representation | ons of a possible bearing conditi | ion Bearing symbols ar | e not con | sidered in the structural | |
| design of the truss | to support the loads indicated | I. | ion. Doaring oynibolo a | 0 1101 0011 | | |
| 8) Web bracing shown | n is for lateral support of indiv | idual web members only. Refer | to BCSI - Guide to Goo | d Practice | e for Handling, Installing | , multip |
| 9) SEE BCSI-B3 SUM | ING OF MELAT PIALE CONNECLED | TRESTRAING/BRACING OF C | CHORDS & WEB MEM | BERS FO | R RECOMMENDED | WHITH CARO |
| MINIMUM BRACIN | G REQUIREMENTS OF TOP | CHORD, BOTTOM CHORD, A | ND WEB PLANES. IN | ADDITIO | N TO THESE MINIMUN | A DESERVE IN III |
| GUIDELINES, ALW | AYS CONSULT THE PROJE | ECT ARCHITECT OR ENGINEE | ER FOR ADDITIONAL E | BRACING | CONSIDERATIONS | A PACIFIC AND AND A PACIFIC AND A PACIFICAN AND A PACIFICANA AND A PACIFICANA AND A PA |
| LOAD CASE(S) Stand | dard | | | | in the second se | SEAL |
| 1) Dead + Floor Live (| (balanced): Lumber Increase= | 1.00, Plate Increase=1.00 | | | in the second seco | 28147 |
| Unitorm Loads (plf) | -7 1-8=-67 | | | | 11HU | 1 5 |
| Concentrated Load | s (lb) | | | | Int | ALL ANDREAD A |
| Vert: 6=-73 | 5 | 00 | | | | ARE |
| 2) Dead: Lumber Incre Uniform Loads (plf) | ease=1.00, Plate Increase=1. | 00 | | | | Man K. MORNIN |
| Vert: 9-18= | -7, 1-8=-67 | | | | | 10/0/2024 |
| XX7 · • X7 ·0 X | | | | 1: 6 | | 10/9/2024 |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | LBY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|-------------|----------|--|---------------------------------|
| 24-8566-F01 | F1-30 | Floor | 2 | 1 | Job Reference (optional) | # 53247 |
| | | D | 100 - E-L 4 | 0.0004 D | t 0 000 - bil 40 0004 MT-bil bil to the time bil | Thu 0 + 40 40 40 40 0004 Dame 0 |

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:40 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-yEjnhbunCFBJyBlkTJVHpko0zffLAn6yWfqhNSyUqHz

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





| Job Tr | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHELBY | Y MEADOW LANE ANGIER, NC |
|----------------|-------|------------|-----|-----|---|--------------------------|
| 24-8566-F01 F1 | -1-31 | Floor | 1 | 1 | Job Reference (optional) | # 53247 |

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:42 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-vcrY6Hw1ksS1CVv7akXIv9tMkSL4ej9F_zJoRLyUqHx

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 7=-735 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-11=-67 Concentrated Loads (lb) Vert: 7=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24 =-7, 1-8 =-67, 8-11 =-13 Concentrated Loads (lb) Vert: 7=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-13, 8-11=-67 Concentrated Loads (lb) Vert: 7=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-67, 8-11=-13 Concentrated Loads (lb) Vert: 7=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-13, 8-11=-67 Concentrated Loads (lb) Vert: 7=-735



| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCU | ITT HILLS 371 SHELE | Y MEADOW LANE ANGIER, NC |
|---|---|---------------------------------------|----------------------------|--------------|--|-----------------------------------|-------------------------------|
| 24-8566-F01 | F1-32 | Floor | 5 | 1 | | | # 53247 |
| | | | Run: 8.430 s Feb 1 | 2 2021 Pri | Job Reference (option It: 8.630 s Jul 12 2024 M | onal) iTek Industries, Inc. Th | u Oct 10 12:42:43 2024 Page 1 |
| 0.4.0 | | | ID:5fxLxLn?C6 | dWjia?S⊦ | IK4thzkcYI-NpPwJdw | fVAatpfUJ8S2_RNP | WKsh7NEuODd2L_nyUqHw |
| U-1-8 1_3_0 | | | | 0-7- | 2 0.6.12 | | 0-10-8 0-1-8 |
| H ⊢ ¹⁻³⁻⁰ ⊢ | | | | 0-7- | | | Scale = 1:30.1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 3x4 = | | | | | | | 3x4 = |
| 1.5x3 = | 3x4 = 3x8 FP = | 3x8 = 3x4 = | 3x4 = | | 4x8 = 3x6 = | 3x4 = | 1.5x3 = |
| | | | | <u> </u> | | 9 | |
| | | | | w3 | | | W5 B 1 25 9 |
| | | 31 0 8 | | ¥. | ₽ ₽2 | • | |
| | 21 | 20 19 | 18 17 | 16 | 15 14 | 13 | 12 |
| 3x4 3x | 4 = 3x4 = | 1.5x3 3x4 = | 3x4 = 3x8 FP= | 3x4 = | 3x4 4x6 = | 3x4 = | $3x4 = 3x4 \parallel$ |
| | | | | 0,11 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | 13-1-14 | | |
| | | | | | 13-0-6 12-9-0 | | |
| | | 12-4-2 12-4-2 | | | 12 ₁ 5 ₁ 10 0-1-80-3-6 | <u>18-1-14</u> 5-0-0 | |
| Plate Offsets (X Y) | [10:0-1-8 Edge] [23:Edge 0-1 | -81 | | | 0-3-60-1-8 | | |
| | | | | (1 | 1/-16 | | |
| TCLL 40.0 | Plate Grip DOL 1.00 |) TC 0.49 | Vert(LL) -0.05 | (IOC) 20 | >999 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.29 | Vert(CT) -0.08 | 19 | >999 360 | | |
| BCDL 5.0 | Code IRC2021/TPI2014 | 4 Matrix-SH | H012(C1) 0.01 | 14 | 11/a 11/a | Weight: 94 I | b FT = 20%F, 11%E |
| LUMBER- | | | BRACING- | | | | |
| TOP CHORD 2x4 SF | PNo.1(flat) | | TOP CHORD | Structur | al wood sheathing o | lirectly applied or 6 | 6-0-0 oc purlins, except |
| WEBS 2x4 SF | P No.3(flat) | | BOT CHORD | Rigid ce | eiling directly applied | l or 6-0-0 oc bracir | ng. |
| REACTIONS. (Ib/size | e) 23=407/0-7-14 (min 0-1-8 | 3) 11=-125/0-8-0 (min 0-1-8) | 14=1757/0-4-8 (min 0- | 1-8) | | | |
| Max U | plift11=-244(LC 3) |), 11-1757/L C 1) | | , | | | |
| Max G | rav 23=410(LC 3), 11=30(LC 2 | i), 14=1757(LC 1) | | | | | |
| FORCES. (lb) - Max. | Comp./Max. Ten All forces | 250 (lb) or less except when sh | own. 45-1281/056-846 | 10 7 8-0 | 1/1508 8 0-0/1106 | | |
| 9-10 | =0/289 | 55/0, 2-51105/0, 5-41105/0 | 4-31201/0, 3-0040 | 10, 1-0-0 | /1590, 0-9-0/1100, | | |
| BOT CHORD 21-22 13-14 | 2=0/997, 20-21=0/1358, 19-20 4=-1598/0, 12-13=-675/0 | =0/1358, 18-19=0/1186, 17-18= | 0/484, 16-17=0/484, 15 | -16=-51 | 2/0, 14-15=-512/0, | | |
| WEBS 8-14= | | 1/0, 9-12=0/471, 10-12=-372/0, | 1-22=0/608, 2-22=-564 | /0, 5-18: | =-420/0, 6-18=0/446 | , | |
| 0-10 | =-725/0, 7-16=0/581, 7-14=-16 | 538/0 | | | | | |
| NOTES- (6-9) | ve loads have been considere | d for this design | | | | | |
| 2) Provide mechanica | I connection (by others) of true | ss to bearing plate capable of w | ithstanding 100 lb uplift | at joint(s |) except (jt=lb) 11= | 244. | |
| 3) Load case(s) 1, 2, 3 use of this truss. | 3, 4, 5, 6 has/have been modif | ied. Building designer must rev | lew loads to verify that t | hey are | correct for the inten | led | |
| 4) Recommend 2x6 s | trongbacks, on edge, spaced a | at 10-0-0 oc and fastened to ea | ch truss with 3-10d (0.1 | 31" X 3" |) nails. Strongback | s to | |
| 5) CAUTION, Do not e | erect truss backwards. | ied by other means. | | | | | |
| 6) Graphical bracing r the member must b | representation does not depict | the size, type or the orientation | of the brace on the me | mber. Sy | mbol only indicates | that | |
| 7) Bearing symbols a | re only graphical representatio | ns of a possible bearing conditi | on. Bearing symbols are | e not con | sidered in the struc | tural | 1111111111 |
| 8) Web bracing show | n is for lateral support of indivi | dual web members only. Refer t | to BCSI - Guide to Good | Practic | e for Handling, Insta | lling which TH C | MOLIA |
| Restraining & Brac | ing of Metal Plate Connected | Wood Trusses for additional brack | cing guidelines, includi | ng diago | nal bracing. | IIII POPES | PNQ P III |
| MINIMUM BRACIN | IG REQUIREMENTS OF TOP | CHORD, BOTTOM CHORD, A | ND WEB PLANES. IN A | ADDITIC | IN TO THESE MINI | NUM | |
| GUIDELINES, ALV | VAYS CONSULT THE PROJE | CT ARCHITECT OR ENGINEE | R FOR ADDITIONAL B | RACING | CONSIDERATION | 281 | ¥7] Ē |
| LOAD CASE(S) Stand | dard | | | | | 11111 | |
| 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (blf) | | | | | | | EER S IN |
| Vert: 11-23=-7, 1-10=-67 | | | | | | | MORMUN |
| Vert: 7=-73 | 5 | | | | | 10.00 | |
| Wanning 1 VI | | four was This desire is here 1 1 | | dia fra | individual boothing | 10/9 | /2024 |
| Continued on page 2 | sign parameters and read notes h | before use. This design is based only | upon parameters shown, an | iu is tor at | i muividual building co | inponent to be installe | |

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0017 HONEYCUTT HILLS 371 SHE | ELBY MEADOW LANE ANGIER, NC |
|-------------|-------|------------|--------------------|-------------|--|---------------------------------|
| 24-8566-F01 | F1-32 | Floor | 5 | 1 | Job Reference (optional) | # 53247 |
| | | | 2up: 8 430 c Eob 1 | 2 2021 Drir | t: 8 630 c Jul 12 2024 MiTok Industrios Inc. | Thu Oct 10 12:42:43 2024 Page 2 |

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:42:43 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-NpPwJdwfVAatpfUJ8S2_RNPWKsh7NEuODd2L_nyUqHw

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

Concentrated Loads (lb)

Vert: 7=-735



| 300 | 11035 | Truss Type | Giy | , ,, | LOT 0.0017 HONE TOOTT HILLS 371 | SHEEDT MEADOW LANE ANGLER, IN |
|-------------------|--------------------|---|------------------------------------|-------------------------|--|--|
| 24-8566-F01 | F1-33 | Floor Supported Gable | 1 | 1 | Job Reference (optional) | # 53247 |
| | · | | Run: 8.430 s Feb 1 ID:5fxLxLn?(| 2 2021 Prin C6dWjia? | t: 8.630 s Jul 12 2024 MiTek Industries, SHK4thzkcYI-r?yIXzxHFTikRp3Vi9 | Inc. Thu Oct 10 12:42:44 2024 Page 1 ZD_ayosG5j6mTYRHouWDyUqH |
| 0-1-8 | | | | | | 0-1-8 |
| | | | | | | Scale = 1:30.1 |
| | | | | | | |
| | | | | | | 1.5x3 |
| 1.5x3 | 1.5x3 | | | | | 1.5x3 |
| 1.5x3 = −1.5x3 | 3x8 FP=1.5x3 | 1.5x3 1.5x3 1.5x3 | 3x4 = 1.5x3 ∥ | 1.5x3 | 3 1.5x3 1.5x3 | 1.5x3 1.5x3 = |
| 1 2 ₁₁ | 345 | 6 7 8 | 9 _10 | 11 | 12 13 | 14 15 16 |
| | ST1 ST1 | 9 9 9 ST1 ST1 ST1 D D B1 D | ST1 W2 ST1 | ST1 | ST1 ST1 | |
| | xxxxxxxxxxxxxxxxxx | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | XXXX | xxxxx [#] xx [*] xxX [#] xxxx | |
| 32 31 | 30 29 | 28 27 26 | 25 24 | 23 | 22 21 20 | 19 18 17 |
| 3x4 1.5x3 | 1.5x3 1.5x3 | 1.5x3 1.5x3 1.5x3 | 1.5x3 3x4 = | 1.5x3 | 3 3x8 FP= | 1.5x3 3x4 |
| | | | | | 1.5x3 1.5x3 | 1.5x3 |
| | | | | | | |
| | | | | | | |

| ⊢– | 18-114 | | | | | | | | | | |
|---|-------------------------------------|---|--|----------------------------------|--|------------------------------|-------------------------------------|---------------------------------|---|--|---|
| Plate Offsets (X,Y) [9:0-1-8,Edge], [24:0-1-8,Edge], [32:Edge,0-1-8] | | | | | | | | | | | |
| LOADING TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | SPACING- 2-0 Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr YE Code IRC2021/TPI201 | -0 CSI. 00 TC 00 BC ES WB 14 Matrix | 0.06 0.01 0.03 x-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) | in n/a n/a 0.00 | (loc) - - 17 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 74 lb | GRIP 244/190 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 CHOR BOT CHOR | RD RD | Structu end ve Rigid c | ıral wood rticals. eiling dir | d sheathing d rectly applied | irectly applied or 6-0 or 10-0-0 oc bracin |)-0 oc purlins, except g. | |

10 1 1/

REACTIONS. All bearings 18-1-14.

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

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

NOTES- (5-8)

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 bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

