| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL1 | Floor | 3 | 1 | Job Reference (optional) | 170939589 |

0-10-4

-H

1-8-0

0-1-8

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:29 ID:IqSBjtV1EuA8hVjb9eUyNByajq2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-7-8

Page: 1

0-2-0 Н



Scale = 1:56.6

| Plate Offsets () | X, Y): [16:0- | 1-8,Edge] | , [17:0-1-8,Edge], [3 | 84:0-1-8, | Edge], [35:0-1- | 8,E | dge] | | | | | | | | | |
|---|---|---|---|---------------------------------------|--|--|---|---|--|--|-------------------------------|-------------------------------|--|--|---|---|
| Loading TCLL TCDL BCLL BCDL | | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC20 | 21/TPI2014 | | CSI TC BC WB Matrix-MSH | 0.98 0.86 0.82 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.25 -0.32 0.04 | (loc) 26-27 26-27 24 | l/defl >867 >670 n/a | L/d 480 360 n/a | PLATES MT20 MT20HS Weight: 170 lb | GRIP 244/190 187/143 FT = 20%F, 11% | ε |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD | 2x4 SP No (flat) 2x4 SP No 2x4 SP No 2x4 SP No Structural v 2-2-0 oc pu Rigid ceilin bracing. | .2(flat) *E> .2(flat) .3(flat) .3(flat) .3(flat) wood shea urlins, exc g directly | ccept* 1-11:2x4 SP I athing directly applie cept end verticals. applied or 6-0-0 oc | No.1 | WEBS | 10 9- 3- 7- 12 20 14 18 17 17 | D-32=-211/0, 9-32: 33=0/1495, 2-36= 36=-156/0, 7-33=: 34=0/1005, 4-35= 34=-359/0, 12-32: 2-30=0/1724, 22-2 D-25=-166/0, 14-30 4-29=0/988, 19-26 3-26=-203/0, 16-22 7-26=-112/489, 16 7-27=-184/49 | =-1847/ -41/790 -1100/0 -547/0, =-2089/ 5=0/10 0=-1320 =-28/32 9=-778/ -28=-37 | 0, 2-38=-120:), 8-33=-190// , 4-36=-394/1 5-35=-17/16: 0, 22-24=-14' 50, 13-30=-1 5/0, 19-25=-6: 23, 15-29=-18 0, 7/196, | 2/0, 0, 80, 3, 75/0, 75/0, 55/0, 4/0, | | | | | | |
| REACTIONS | (size) 2 Max Grav 2 | 24=0-3-12 24=831 (L 38=688 (L | 2, 32=0-3-8, 38=0-3- C 4), 32=2238 (LC C 3) | 8 I 1), <i>·</i> | NOTES I) Unbalance this design. | d flo | oor live loads have | e been | considered fo | r | | | | | | |
| FORCES | (lb) - Maxir Tension | num Com | pression/Maximum | | All plates a All plates a | re 3 | 3x5 MT20 unless of | otherwi | se indicated. | J. | | | | | | |
| TOP CHORD | 1-38=-70/0 2-3=-1720/ 5-6=-2033/ 7-8=-755/1 10-12=0/33 13-14=-652 15-16=-242 17-18=-30/ 19-20=-217 36-38=0/10 34-35=-455 32-33=-19 29-30=-332 27-28=0/25 24-25=0/12 | , 23-24=-7, 0, 3-4=-17 (453, 6-7= 336, 8-9= 339, 12-13 2/719, 14- 64/10, 16- 12/0, 18-1 12/0, 18-1 12/0, 18-1 74/0, 20-2 044, 35-36 3/2033, 33 17/0, 30-3 5/1703, 22 221, 26-27 275 | 73/0, 1-2=-4/0, 720/0, 4-5=-2033/45 -2033/453, -755/1336, 9-10=0/3 3=-652/719, 15=-2464/10, 17=-2921/0, 9=-3012/0, 2=-2174/0, 22-23=0 5=-152/2058, -34=-908/1513, 2=-1542/0, 3-29=0/2921, 29=0/2921, 25-26=0/2 | 3, 3339, /0 2736, | (a) (a) (a) (a) (a) (a) (a) (a) (a) (a) | c ai ") r er e Do | nd fastened to ea nails. Strongbacks ands or restrained not erect truss ba Standard | s to be a by othe ackward | , spaced at with 3-10d attached to w r means. Is. | alls | | - COLUMNS | and the second s | SEA 0578 | B7 | |

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road Edenton, NC 27932

January 24,2025

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL2 | Floor | 1 | 1 | Job Reference (optional) | 170939590 |

9-0-12 9-0-12 Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:30 ID: Tm 3yqldltyRju 1UWkkglnlyajpu-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

26-11-12

17-11-0



3x6 =

16



1-2-0

17

Ř

3x6 =

Scale - 1:47.4

| Plate Offsets (| X, Y): [11:0-1-8,Edge] |], [12:0-1-8,Edge], [2 | 27:0-1-8,Ed | lge], [28:0-1-8, | Edge] | | | | | | | | | |
|--|--|--|--|---|--|---|--|------------------------------|-------------------------------|--|---------------------------------------|----------------------------------|--|--|
| Loading TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021 | I/TPI2014 | CSI TC BC WB Matrix-MSH | 0.86 0.94 0.76 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.27 -0.36 0.05 | (loc) 20-21 20-21 18 | l/defl >805 >593 n/a | L/d 480 360 n/a | PLATES MT20 Weight: 138 lb | GRIP 244/190 FT = 20%F, 119 | %E |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.1(flat) *E: No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 18=0-3-12 Max Uplift 29=-81 (LI Max Grav 18=876 (L 29=404 (L | xcept* 10-17:2x4 SP athing directly applie cept end verticals. applied or 2-2-0 oc 2, 26=0-3-8, 29=0-3- C 4) .C 7), 26=1819 (LC - C 3) | 1) 2) 3) ed or 4) 8 5) LO 1), | Unbalanced this design. All plates are One H2.5A S recommende UPLIFT at jt(does not con Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D AD CASE(S) | floor live loads have 3x5 MT20 unless Simpson Strong-Ti- d to connect truss s) 29. This connect sider lateral forces 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained to not erect truss b Standard | ve been otherwi e connec to beari tition is fo s. on edge ach truss s to be d by othe ackward | considered for se indicated. ctors ing walls due or uplift only a e, spaced at s with 3-10d attached to w er means. ds. | or e to and valls | | | | | | |
| FORCES | (lb) - Maximum Com Tension 1-29=-63/5, 17-18= 2-3=-687/623, 3-4=- 5-6=0/2064, 6-7=0/2 8-9=-1280/0, 9-11=- 12-13=-3314/0, 13-1 14-15=-2328/0, 15-1 28-29=-187/551, 27- 26-27=-1286/133, 22- 22-24=0/2249, 22-23 20-21=0/3307, 19-20 6-26=-238/0, 5-26=- 5-27=0/1109, 2-28=- 3-28=-86/204, 7-26=- 3-28=-86/204, 7-26=- 3-22=-276/331, 11- 12-21=-148/86 | pression/Maximum 74/0, 1-2=-4/0, 687/623, 4-5=-687/6 064, 7-8=-1280/0, 2934/0, 11-12=-3307 4=-3314/0, 6=-2328/0, 16-17=0, 28=-623/687, 4-26=-426/0, 3=0/3307, 21-22=0/3 0=0/2964, 18-19=0/1 1195/0, 2-29=-633/2 509/159, 4-27=-446 -1946/0, 16-18=-156 =0/1138, 8-24=-177/, -1174/0, 14-19=-743 0/409, 10-23=-190/0 =-620/0, 22=-72/161, | 23, 7/0, /0 3307, 353 15, /0, 55/0, 0, 3/0, | | | | | | | . and the second s | A A A A A A A A A A A A A A A A A A A | SEAL 0578 | ROLING WARNER 37 | AMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM |
| | | | | | | | | | | | | "minin | mm | |

NOTES

January 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL3 | Floor | 2 | 1 | Job Reference (optional) | 170939591 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:30 ID:HNNNyjHkTMvhXkL85sAkeOyajqK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:44.7

| Ocale = 1.44.7 | | | | | | | | | | | | | | |
|--|---|--|--|---|--|--|---|------------------------------|-------------------------------|-------------------------------|--------------------------|----------------------------------|--|---|
| Plate Offsets (| late Offsets (X, Y): [2:0-1-8,Edge], [10:0-2-4,Edge], [11:0-1-8,Edge], [26:0-1-8,Edge] | | | | | | | | | | | | | |
| Loading TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021 | /TPI2014 | CSI TC BC WB Matrix-MSH | 0.91 0.98 0.75 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.27 -0.37 0.05 | (loc) 19-20 19-20 17 | l/defl >780 >577 n/a | L/d 480 360 n/a | PLATES MT20 Weight: 130 lb | GRIP 244/190 FT = 20%F, 11% | Ε |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 2-2-0 oc purlins, exc Rigid ceiling directly bracing. (size) 17=0-3-8, Mechanic Max Uplift 28=-140 (Max Grav 17=874 (L 28=280 (L (lb) - Maximum Com | athing directly applie sept end verticals. applied or 2-2-0 oc 25=0-3-8, 28= al LC 4) C 7), 25=1774 (LC - C 3) pression/Maximum | 2) 3) 4) 5) ed or 6) LO 1), | All plates are Refer to gird Provide mec bearing plate 28. Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D AD CASE(S) | a 1.5x3 MT20 unleser(s) for truss to trushanical connection a capable of withsta 2x6 strongbacks, and fastened to ear nails. Strongback ends or restrained to not erect truss b Standard | ss othen uss connr (by oth anding 1 on edge ich truss is to be i by othe ackward | wise indicated lections. ers) of truss to 40 lb uplift at a, spaced at with 3-10d attached to w er means. ds. | I. o joint alls | | | | | | |
| TOP CHORD | 1-28=-134/0, 16-17= 2-3=-324/484, 3-4=-3 5-6=0/1989, 6-7=-13 8-9=-2966/0, 9-11=-3 12-13=-3343/0, 13-1 14-15=-2341/0, 15-1 | 71/0, 1-2=0/0, 324/484, 4-5=0/1989 21/0, 7-8=-1321/0, 3334/0, 11-12=-3343 4=-2341/0, 6=-4/0 | 9, 3/0, | | | | | | | | | | (11) | |
| BOT CHORD | 27-28=-484/324, 26- 25-26=-1142/0, 23-2 21-22=0/3318, 20-21 18-19=0/2984, 17-18 | 27=-484/324, 5=-460/0, 22-23=0/2 I=0/3334, 19-20=0/3 3=0/1358 | 2289, 3334, | | | | | | | | Real Providence | OFESS | POLIN | |
| WEBS NOTES | 5-25=-226/0, 4-25=- 4-26=0/953, 2-27=-1 6-25=-1944/0, 15-17 15-18=0/1148, 7-23= 8-23=-1168/0, 13-18 13-19=0/419, 9-22=- 10-22=-610/0, 11-19 10-21=-76/232, 11-2 | 1121/0, 2-28=-372/5 42/0, 3-26=-356/0, =-1566/0, 6-23=0/15 =-175/0, 14-18=-167 =-751/0, 8-22=0/825 179/0, 12-19=-196/0 =-268/332, 0=-215/88 | 556, 585, 70, 9, 0, | | | | | | | THILL BURNE | | SEAL 0578 | 37 | |

 Unbalanced floor live loads have been considered for this design. January 24,2025



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL4 | Floor | 2 | 1 | Job Reference (optional) | 170939592 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:5A5WMiKB44yvYboyzmFCxkyajrZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:35

Plate Offsets (X, Y): [4:0-1-8,Edge], [19:0-1-8,Edge]

| Loading | (psf) 40.0 | Spacing Plate Grip DOL | 2-0-0 1.00 | CSI TC | 0.59 | DEFL Vert(LL) | in -0.08 | (loc) 20 | l/defl >999 | L/d 480 | PLATES MT20 | GRIP 244/190 |
|--------------|--------------------------|---------------------------|-----------------|-----------------------|-----------|------------------|-------------|-------------|----------------|------------|--|------------------------|
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.59 | Vert(CT) | -0.11 | 19-20 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.54 | Horz(CT) | 0.02 | 16 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | | | | | | | Weight: 99 lb | FT = 20%F, 11%E |
| LUMBER | | | 4) Recommen | d 2x6 strongbacks, | on edge | e, spaced at | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | 10-00-00 oc | and fastened to ea | ach truss | s with 3-10d | | | | | | |
| BOT CHORD | 2x4 SP No.2(flat) | | (0.131" X 3' | ') nails. Strongback | ks to be | attached to w | valls | | | | | |
| WEBS | 2x4 SP No.3(flat) | | at their oute | er ends or restrained | d by othe | er means. | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | 5) CAUTION, | Do not erect truss b | backward | ds. | | | | | | |
| BRACING | | | LOAD CASE(S | Standard | | | | | | | | |
| TOP CHORD | Structural wood shea | athing directly applie | ed or | | | | | | | | | |
| | 6-0-0 oc purlins, exe | cept end verticals. | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly | applied or 6-0-0 oc | | | | | | | | | | |
| | bracing. | | | | | | | | | | | |
| REACTIONS | (size) 14=0-3-8, | 16=0-5-8, 22=0-3-8 | | | | | | | | | | |
| | Max Uplift 14=-244 (| LC 3) | | | | | | | | | | |
| | Max Grav 14=175 (L | .C 4), 16=1479 (LC 1 | 1), | | | | | | | | | |
| | 22=620 (L | | | | | | | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| | 1-22-72/0 13-1/ | 72/0 1-21/0 | | | | | | | | | | |
| | 2-3=-1493/0 3-4=-1 | 493/0 4-5=-1700/0 | | | | | | | | | | |
| | 5-6=-1700/0. 6-7=-74 | 43/0. 7-9=-743/0. | | | | | | | | | | |
| | 9-10=0/1557. 10-11= | =0/989. 11-12=0/989 |). | | | | | | | | | |
| | 12-13=0/0 | , | , | | | | | | | | | |
| BOT CHORD | 21-22=0/923, 20-21= | =0/1700, 19-20=0/17 | 700, | | | | | | | | | |
| | 17-19=0/1365, 16-17 | 7=-264/0, 15-16=-15 | 57/0, | | | | | | | | | |
| | 14-15=-466/152 | | | | | | | | | | "TH Lit | Roil |
| WEBS | 10-16=-695/0, 9-16= | -1500/0, 2-22=-1063 | 3/0, | | | | | | | N | 100 | S. KINTE |
| | 9-17=0/1128, 2-21=0 | 0/666, 7-17=-173/0, | | | | | | | | 3 | U. KEEDS | DA: Vie |
| | 3-21=-211/0, 6-17=- | 734/0, 4-21=-380/17 | , | | | | | | | 1 2 | Sta T | 7 |
| | 6-19=0/502, 4-20=-7 | '6/51, 5-19=-167/0, | | | | | | | - | | serv C | a in a |
| | 12-14=-176/539, 12- | 15=-663/0, | | | | | | | - | : | SEA | 1 1 1 |
| | 11-15=-159/0, 10-15 | =0/908 | | | | | | | - | | JLA | |
| NOTES | | | | | | | | | = | | 0578 | 8/ |
| 1) Unbalance | ed floor live loads have | been considered fo | r | | | | | | - | 6 N | and the second | |

this design.All plates are 3x6 MT20 unless otherwise indicated.

One H2.5A Simpson Strong-Tie connectors

recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. This connection is for uplift only and does not consider lateral forces.



Page: 1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)

A MITek Affilia 818 Soundside Road Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL5 | Floor | 3 | 1 | Job Reference (optional) | 170939593 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:I0tv0Ru1EDIN3fJofQ4_pQyajqr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:35

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

| | , , , , , _{[010} , ₀ ,g ₀], | [| | | | | | | | | | |
|----------------------------------|---|---------------------------|-----------------|-------------|------|-----------|-------|-------|--------|------|---------------------------|---------------------------------------|
| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | l /d | PLATES | GRIP |
| TCLI | 40.0 | Plate Grip DOI | 1 00 | TC | 0.51 | Vert(LL) | -0.38 | 17-18 | >582 | 480 | MT20 | 244/190 |
| TCDI | 10.0 | Lumber DOI | 1.00 | BC | 0.86 | Vert(CT) | -0.53 | 17-18 | >423 | 360 | | 210,000 |
| BCLI | 0.0 | Rep Stress Incr | YES | WB | 0.68 | Horz(CT) | 0.08 | 14 | n/a | n/a | 1 | |
| BCDI | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | 0.00 | 11012(01) | 0.00 | | n/a | n/a | Weight [,] 97 lb | FT = 20%F 11%F |
| | 0.0 | 0000 | | Matrix Mort | | | | | | | Wolgin. Of 15 | 11 - 20,01, 11,02 |
| LUMBER | | | | | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| BOT CHORD | 2x4 SP No.2(flat) *E | xcept* 21-14:2x4 SF | 0 | | | | | | | | | |
| | No.1(flat) | | | | | | | | | | | |
| WEBS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| BRACING | | | | | | | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | ed or | | | | | | | | | |
| | 5-5-3 oc purlins, ex | cept end verticals. | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly | applied or 10-0-0 or | C | | | | | | | | | |
| | bracing. | | | | | | | | | | | |
| REACTIONS | (size) 14=0-3-8, | 22=0-3-8 | | | | | | | | | | |
| | Max Grav 14=1018 | (LC 1), 22=1018 (LC | 2 1) | | | | | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| | Tension | | | | | | | | | | | |
| TOP CHORD | 1-22=-71/0, 13-14=- | 71/0, 1-2=-4/0, | | | | | | | | | | |
| | 2-3=-2827/0, 3-4=-2 | 827/0, 4-5=-4299/0, | | | | | | | | | | |
| | 5-6=-4299/0, 6-7=-4 | 560/0, 7-8=-4300/0, | | | | | | | | | | |
| | 8-9=-4300/0, 9-10=- | 2826/0, 10-12=-282 | 6/0, | | | | | | | | | |
| | 12-13=-4/0 | | | | | | | | | | | |
| BOT CHORD | 20-22=0/1605, 19-20 | 0=0/3709, 18-19=0/4 | 4560, | | | | | | | | | |
| | 17-18=0/4560, 16-1 | 7=0/4560, 15-16=0/3 | 3709, | | | | | | | | | 111. |
| | 14-15=0/1606 | 1050/0 40 45 0/ | 4.405 | | | | | | | | Mun Cl | ND "IL |
| WEBS | 12-14=-1852/0, 2-22 | 2=-1852/0, 12-15=0/ | 1425, | | | | | | | | THU | NO III |
| | 2-20=0/1426, 10-15 | - 107/0, 3-20=-168/0 | 0, 0 | | | | | | | N | A | in Alle |
| | 9-15=-1031/0, 4-20= 4 10_0/600 9 16_ 2 | -1030/0, 9-10=0/090 | 0, | | | | | | | 27 | SIDTER | N: Y' |
| | 7-16624/154 6-10 | -625/154 | | | | | | | | - C | ter a | lege - |
| | 6-18=-115/138 7-17 | /= 020/104, /=-116/138 | | | | | | | 2 | | | |
| NOTES | 0 10- 110/100, 1 11 | - 110/100 | | | | | | | = | | SEA | L : = |
| 1) Unbalance | d floor live loads have | boon considered fo | nr. | | | | | | = | : | 0570 | 07 : = |
| this design | | | Л | | | | | | = | | 0576 | 0/ : : |
| All plates a | are 1.5x3 MT20 unless | s otherwise indicated | 4 | | | | | | - | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 3) Recomme | nd 2x6 strongbacks | n edge, spaced at | | | | | | | | - | | a: 5 |
| 10-00-00 0 | oc and fastened to eac | truss with 3-10d | | | | | | | | 1 | VGIN | EE |
| (0.131" X | 3") nails. Strongbacks | to be attached to w | alls | | | | | | | 1 | AD | CEN |
| at their ou | ter ends or restrained | by other means. | | | | | | | | | AM | PAULIN |
| LOAD CASE | S) Standard | • | | | | | | | | | · · · · · · · · · | mm. |
| (| , | | | | | | | | | | lanuar | 24 2025 |
| | | | | | | | | | | | January | 27,2020 |



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL5A | Floor | 4 | 1 | Job Reference (optional) | 170939594 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:_lwlvW?h7_u5e2WWhpk5gKyajqi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:34.5

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

| 1 1010 0 110010 (| , (, :): [e:e : e;≞age]; | [:::::::::::::::::::::::::::::::::::::: | | | | | | | | | | | |
|--|---|--|------------------------------|---------------------------|---------------------------------|----------------------|--|------------------------------|-------------------------------|-------------------------------|--------------------------|-----------------------|------------------------|
| Loading TCLL TCDL BCLL | (psf) 40.0 10.0 0.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr | 2-0-0 1.00 1.00 YES | | CSI TC BC WB | 0.49 0.83 0.66 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.36 -0.50 0.08 | (loc) 17-18 17-18 14 | l/defl >609 >443 n/a | L/d 480 360 n/a | PLATES MT20 | GRIP 244/190 |
| BCDL | 5.0 | Code | IRC2021 | 1/TPI2014 | Matrix-MSH | | | | | | | Weight: 97 lb | FT = 20%F, 11%E |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS | 2x4 SP No.2(flat) 2x4 SP No.2(flat) *E: No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) | xcept* 21-14:2x4 SF | 5) LC | CAUTION, D DAD CASE(S) | o not erect truss b Standard | backward | ds. | | | | | | |
| BRACING TOP CHORD | Structural wood shea 5-6-11 oc purlins, ea | athing directly applic xcept end verticals. | ed or | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly | applied or 10-0-0 o | С | | | | | | | | | | |
| REACTIONS | (size) 14=0-3-8, Max Grav 14=1002 (| 22= Mechanical (LC 1), 22=1008 (LC | C 1) | | | | | | | | | | |
| FORCES | (lb) - Maximum Com Tension | pression/Maximum | | | | | | | | | | | |
| TOP CHORD | 1-22=-74/0, 13-14=- ¹ 2-3=-2772/0, 3-4=-2 ² 5-6=-4193/0, 6-7=-4 8-9=-4193/0, 9-10=- ¹ 12-13=-4/0 | 71/0, 1-2=0/0, 772/0, 4-5=-4193/0, 425/0, 7-8=-4193/0, 2772/0, 10-12=-277 | 2/0, | | | | | | | | | | |
| BOT CHORD | 20-22=0/1580, 19-20 17-18=0/4425, 16-17 14-15=0/1578 | 0=0/3628, 18-19=0/4 7=0/4425, 15-16=0/3 | 4425, 3628, | | | | | | | | | mm | um, |
| WEBS | 12-14=-1821/0, 2-22 2-20=0/1392, 10-15= 9-15=-1000/0, 4-20= 4-19=0/659, 8-16=-2 7-16=-565/162, 6-19 6-18=-114/133, 7-17 | 2=-1827/0, 12-15=0/ =-167/0, 3-20=-165/ -999/0, 9-16=0/659 210/0, 5-19=-210/0, 9=-565/162, '=-114/133 | 1394, 0, , | | | | | | | | | CONFESSION OF THE CA | ROLINA |
| NOTES | ed floor live loads have | been considered fo |)r | | | | | | | Ξ | | 0578 | 87 |

- Unbalanced floor live loads have been considered fo this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



Page: 1



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL6 | Floor | 1 | 1 | Job Reference (optional) | 170939595 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:I6_clhihE6KjD6WseilxZmyajpn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33.7

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

| Loading | (nsf) | Spacing | 2-0-0 | CSI | | DEEL | in | (loc) | l/defl | l /d | PLATES | GRIP |
|--|--|---|-----------------|------------|------|----------|-------|-------|---|-------------------|--------------------------------|---------------------|
| TCLI | 40.0 | Plate Grip DOI | 1 00 | TC | 0 44 | Vert(LL) | -0.32 | 17 | >660 | 480 | MT20 | 244/190 |
| TCDI | 10.0 | Lumber DOI | 1 00 | BC | 0.79 | Vert(CT) | -0.45 | 17 | >480 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.64 | Horz(CT) | 0.07 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | | | | | | | Weight: 95 lb | FT = 20%F, 11%E |
| | | • | | | | | | | | | - | |
| LUMBER | | | LOAD CASE(S) | Standard | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| BOLCHORD | 2x4 SP No.2(flat) "E: | xcept" 21-14:2x4 SP | | | | | | | | | | |
| WEBS | 2v4 SP No 3(flat) | | | | | | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| BRACING | 274 01 110.0(1141) | | | | | | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | d or | | | | | | | | | |
| | 5-9-15 oc purlins e | xcept end verticals | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly | applied or 10-0-0 oc | ; | | | | | | | | | |
| | bracing. | | | | | | | | | | | |
| REACTIONS | (size) 14=0-3-12 | 2, 22=0-3-8 | | | | | | | | | | |
| | Max Grav 14=980 (L | C 1), 22=973 (LC 1) |) | | | | | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| | Tension | | | | | | | | | | | |
| TOP CHORD | 1-22=-71/0, 13-14=- | 73/0, 1-2=-4/0, | | | | | | | | | | |
| | 2-3=-2676/0, 3-4=-2 | 676/0, 4-5=-4000/0, | | | | | | | | | | |
| | 5-6=-4000/0, 6-7=-4 | 189/0, 7-8=-4001/0, | - 10 | | | | | | | | | |
| | 8-9=-4001/0, 9-10=-2 | 2675/0, 10-12=-2675 | 5/0, | | | | | | | | | |
| | 12-13=0/0 20-22-0/1520 10-20 | 0-0/3/85 18-10-0// | 180 | | | | | | | | | |
| | 17-18=0/4189 16-17 | 7=0/4189 15-16=0/3 | 485 | | | | | | | | | |
| | 14-15=0/1531 | | 100, | | | | | | | | | 11111 |
| WEBS | 12-14=-1771/0, 2-22 | 2=-1764/0, 12-15=0/1 | 336, | | | | | | | | " LA CA | Roll |
| | 2-20=0/1340, 10-15= | =-164/0, 3-20=-166/0 |), | | | | | | | Y | Aline | · · · · · · |
| | 9-15=-945/0, 4-20=- | 944/0, 9-16=0/603, | | | | | | | | 3 | O' FESS | On Vie |
| | 4-19=0/602, 8-16=-1 | 91/0, 5-19=-190/0, | | | | | | | | 22 | | A.Y. |
| | 7-16=-464/169, 6-19 |)=-464/167, | | | | | | | - | | the for | |
| | 6-18=-119/137, 7-17 | /=-122/134 | | | | | | | | : | SEAL | 1 1 1 |
| NOTES | | | | | | | | | = | : | JLA | |
| 1) Unbalance | ed floor live loads have | been considered for | r | | | | | | = | | 05/8 | 8/ |
| this design | 1. | | | | | | | | - | | | |
| All plates a Decommon | are 1.5x3 MI20 unless | s otherwise indicated | • | | | | | | | 2 | · . | A 1 8 |
| 10-00-00 c | and fastened to eac | the truss with 3-10d | | | | | | | | 2 | NGINI | EEN S |
| (0.131" X 3 | 3") nails. Strongbacks | to be attached to wa | alls | | | | | | | 11, | AD | CENT |
| at their out | ter ends or restrained l | by other means. | ·· | | | | | | | | AM I | PAULIN |
| 4) CAUTION | , Do not erect truss ba | ckwards. | | | | | | | | | · · · · · · · · · | mm |
| | | | | | | | | | | | January | 24 2025 |
| | | | | | | | | | | | oundary | 21,2020 |
| NOTES 1) Unbalance this design 2) All plates a 3) Recomme 10-00-00 o (0.131" X i at their our 4) CAUTION | 9-15=-945/0, 4-20=- 4-19=0/602, 8-16=-1 7-16=-464/169, 6-19 6-18=-119/137, 7-17 ed floor live loads have n. are 1.5x3 MT20 unless and 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained I , Do not erect truss ba | 944/0, 9-16=0/603, 91/0, 5-19=-190/0, 9=-464/167, '=-122/134 e been considered fo s otherwise indicated n edge, spaced at th truss with 3-10d to be attached to wa by other means. ckwards. | r alls | | | | | | Contraction of the second s | The second second | SEA 0578 ADAM January | 87 87 24,2025 |



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|-----------------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL6GE | Floor Supported Gable | 1 | 1 | Job Reference (optional) | 170939596 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:LoqvETtTxP4kvGbYTfYD7jyajpZ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:33.7

| Lading TCL CL CL CL CL CL CL CL CL CL CL CL CL C | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|---|--|--|--|---|--------------------------|--|---|---|-------------------------------------|------------------------------|
| LUMBER TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.3(flat) BOT CHORD 31-32-7/3, 30-31-7/3, 28-30-7/3, 27-28-7/3, 26-27-7/3, 22-23-7/3, 27-28-7/3, 26-27-7/3, 22-23-7/3, 24-28-7/3, 22-24-7/3, 22-23-7/3, 22-38-7/3, 22-23-7/3, 22-38-7/3, 22-23-7/3, 22-23-7/7, 23-37, 24-37, 24-37, 24-37, 23-37, 24-37, 24-37, 24-37, 10-11-37, 11-23-7, 12-4-37, 10-11-37, 11-12-37, 12-4-37, | Loading TCLL TCDL BCLL BCDL | | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC202 | 21/TPI2014 | CSI TC BC WB Matrix-MR | 0.43 0.02 0.11 | DEFL Vert(LL) Vert(TL) Horiz(TL) | 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: 76 lb | GRIP 244/190 FT = 20%I | F, 11%E |
| 21=18-0-12, 22=18-0-12, 23=18-0-12, 24=18-0-12, 30=18-0-12, 24=18-0-12, 30=18-0-12, 21=18-0-12, 30=18-0-12, 21=18-0-12, 32=18-0-12 This design. Max Uplit 17=37 (LC 8), 19=-19 (LC 8), 21=30 (LC 8), 21=9 (LC 8), 22=-19 (LC 3), 22=-16 (LC 8), 23=-11 (LC 1), 32=-19 (LC 3), 22=-10 (LC 6), 28=-16 (LC 8), 31=-19 (LC 8), 28=-16 (LC 8), 31=-19 (LC 8), 32=-19 (LC 3) 7 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastemed to each truss with 3-10d (0.131* X3') nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 23=237 (LC 6), 28=-311 (LC 6), 30=209 (LC 6), 21=-327 (LC 6), 30=209 (LC 6), 31=-327 (LC 6), 30=209 (LC 6), 31=-327 (LC 6), 30=209 (LC 6), 31=-327 (LC 6), 30=209 (LC 6), 13=-327 (LC 6), 30=209 (LC 6), 13=-327 (LC 6), 30=209 (LC 6), 13=-327 (LC 6), 30=209 (LC 6), 11=22-37, 28=-37, 56=-37, 6-7=-37, 7-8=-37, 56=-37, 6-7=-37, 7-8=-37, 56=-37, 10-11=-37, 11-12=-37, 12-14=-37, 10-11=-37, 11-12=-37, 12-14=-37, 10-11=-37, 11-12=-37, 12-14=-37, 7 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastemed to each truss with 3-10d (0.031* X3') nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 23=237 (LC 6), 22=-310 (LC 6), 32=240 (LC 1) 7 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastemed to each truss backwards. 23=237 (LC 6), 28=-311 (LC 6), 32=240 (LC 1) 7 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastemed to each truss backwards. 32=240 (LC 1) 7 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastemed to each truss backwards. 32=240 (LC 1) 7 Recommend 2x6 strongbacks, on | LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) | 0.2(flat) lo.2(flat) lo.3(flat) lo.3(flat) l wood sheat purlins, exc ing directly 17=18-0-1 19=18-0-1 | athing directly applied cept end verticals. applied or 6-0-0 oc 2, 18=18-0-12, 2, 20=18-0-12, | U dor N 1 | VEBS | 1-32=-7/3, 30-31= 27-28=-7/3, 26-27= 24-25=-7/3, 23-24= 21-22=-7/3, 20-21= 18-19=-7/3, 17-18= 2-31=-313/28, 3-30 5-27=-319/29, 6-26 3-24=-448/56, 9-23 11-21=-264/17, 12- 14-19=-321/28, 15- floor live loads have | -7/3, 28 -7/3, 25 -7/3, 22 -7/3, 19 -7/3 =-196/3 =-171/0 =-223/9 20=-24 18=-11- e been | i-30=-7/3, -26=-7/3, -23=-7/3, -20=-7/3, i, 4-28=-298/2 i, 7-25=-400/4 i, 10-22=-297, 7/14, 4/0 considered fc | 24, 16, /24, or | 1) De Pla Ur Co | ead + Flo ate Incre iform Lo Vert: 17 oncentra Vert: 16 (F), 14= (F), 37= | oor Live ase=1 oads (II -32=-1 ted Los =-115 -104 (I -104 (I | e (balanced): Lu .00 b/ft) 0, 1-16=-100 ads (lb) (F), 4=-104 (F), F), 34=-104 (F), F), 38=-104 (F) | 7=-104 (F), 1 35=-104 (F), | e=1.00, 0=-104 36=-104 |
| 32=-19 (LC 3) Max Grav 17=285 (LC 3), 18=121 (LC 1), 19=335 (LC 6), 20=260 (LC 6), 21=277 (LC 6), 22=310 (LC 6), 23=237 (LC 6), 24=462 (LC 6), 25=414 (LC 6), 26=185 (LC 6), 25=414 (LC 6), 26=185 (LC 6), 30=209 (LC 6), 31=327 (LC 6), 30=209 (LC 6), 31=327 (LC 6), 30=209 (LC 6), 31=327 (LC 6), 30=209 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-32r-36/26, 16-17=-288/40, 1-2=-3/7, 6-7=-3/7, 7-8=-3/7, 5-6=-3/7, 6-7=-3/7, 7-8=-3/7, 11-12=-3/7, 12-14=-3/7, 10-11=-377, 11-12=-377, 12-14=-3/7, 14-15=-3/7 (b) - Maximum Compression/Maximum Tension TOP CHORD 1-32r-36/26, 16-17=-288/40, 1-2=-3/7, 6-7=-3/7, 7-8=-3/7, 5-6=-3/7, 6-7=-3/7, 7-8=-3/7, 15-16=-3/7 (b) - Maximum Compression/Maximum Tension TOP CHORD 1-32r-36/26, 16-17=-288/40, 1-2=-3/7, 10-111=-377, 11-12=-3/7, 12-14=-3/7, 14-15=-3/7, 15-16=-3/7 (b) - Maximum Compression/Maximum Tension TOP CHORD 1-32r-3/7, 3-4=-3/7, 5-6=-3/7, 6-7=-3/7, 7-8=-3/7, 5-6=-3/7, 6-7=-3/7, 15-16=-3/7 (c) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). | | Max Uplift | 21=18-0-1 23=18-0-1 25=18-0-1 30=18-0-1 32=18-0-1 17=-37 (Ll 20=-6 (LC (LC 8), 23 8), 25=-38 28=-16 (Ll | 2, 22=18-0-12, 2, 24=18-0-12, 2, 26=18-0-12, 2, 31=18-0-12, 2, 31=18-0-12, 2 C 8), 19=-19 (LC 8), 22 =-1 (LC 8), 27=-21 (LC C 8), 31=-19 (LC 8), | 2 3 4 5 6 6 2=-16 LC 8), | this design.) All plates are) Gable requir) Truss to be f braced again) Gable studs) n/a | e 1.5x3 MT20 unles es continuous botto ully sheathed from ist lateral movemer spaced at 1-4-0 oc | s other om chor one fac ot (i.e. d | wise indicated d bearing. e or securely iagonal web). | d. | | | | | | |
| LOAD CASE(S) Standard | FORCES TOP CHORD | (lb) - Max Tension 1-32=-36 2-3=-3/7, 6-7=-3/7, 10-11=-3 14-15=-3 | 32=-19 (L 17=285 (L 19=335 (L 21=277 (L 23=237 (L 25=414 (L 27=333 (L 30=209 (L 30=209 (L 30=209 (L 30=209 (L 30=207 (L 25=414 (L 27=333 (L 25=414 (L 27=333 (L 25=414 (L 27=333 (L 21=277 (L) | C 3) C 3), 18=121 (LC 1) C 3), 18=121 (LC 6) C 6), 20=260 (LC 6) C 6), 22=310 (LC 6) C 6), 24=462 (LC 6) C 6), 26=185 (LC 6) C 6), 28=311 (LC 6) C 6), 31=327 (LC 6) C 1) pression/Maximum -288/40, 1-2=-3/7, -5=-3/7, | , 7 , 8 , 9 , 1 L | Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D Hanger(s) or provided suff lb down and up at 3-8-12 lb down and up at 8-10-4 and 290 lb dr The design/s responsibility In the LOAD of the truss a CAD CASE(S) | 2x6 strongbacks, c and fastened to ear nails. Strongbacks ends or restrained to not erect truss ba other connection d icient to support co 52 lb up at 1-8-12, , 290 lb down and 5 2 lb up at 7-8-12, , and 290 lb down a bown and 52 lb up a election of such co of others. CASE(S) section, I ire noted as front (F Standard | on edge ch truss s to be by othe ackward levice(s 290 lb 52 lb up 290 lb 52 lb up 290 lb and 52 t 13-11 nnectio oads a F) or ba | , spaced at s with 3-10d s with 3-10d tattached to w er means. Js.) shall be ated load(s) 2: down and 52 down and 52 down and 52 lb up at 9-11. -12 on top ch n device(s) is oplied to the f ck (B). | alls 90 Ib 90 Ib -12, oord. the ace | | | City Multing | SEA 0578 | L B7 EER PACE | |

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

A MiTek Affilk 818 Soundside Road Edenton, NC 27932

GINEEDING

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL7 | Floor | 2 | 1 | Job Reference (optional) | 170939597 |

0-2-0

<u>18-1-0</u> 18-1-0

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

1-8-0

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:_1SkTKCL7C1hBfJnBuY5svyajqR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

1-2-0

0-1-8

13 24

Ø

3x6 =

14

3x8 =

12

*

F 0-1-8 Н 3x5 = 3x8 = 3x5 = 3x5 = 3x5 = 3x6 FP 2 3 4 5 67 8 9 10 11 2 1 * প্রী 22 \mathbb{R} 21 20 19 1817 16 15 3x5 = 3x10 = 3x6 = 3x6 FP 3x5 =

Scale = 1:33.7

1-2-0

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

3x10 =

| | , .). [e.e. e,==9e], | [| | | | | | | | | | | |
|---|--|--|---|-------------------------------------|----------------------|--|------------------------------|----------------------------|-------------------------------|---------------------------------------|---------------------------------|--|--|
| Loading TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MSH | 0.44 0.79 0.64 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.33 -0.45 0.07 | (loc) 18 17-18 14 | l/defl >658 >479 n/a | L/d 480 360 n/a | PLATES MT20 Weight: 95 lb | GRIP 244/190 FT = 20%F, 11%E | |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD | 2x4 SP No.2(flat) 2x4 SP No.2(flat) *E No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 5-9-15 oc purlins, e Rigid ceiling directly bracing. (size) 14=0-3-8, Max Grav 14=975 (L (lb) - Maximum Com Tension 1-22=-71/0, 13-14=- 2-3=-2680/0, 3-4=-2 5-6=-4008/0, 6-7=-4 8-9=-4008/0, 9-10=- 12-13=-4/0 20-22=0/1531, 19-2(17-18=0/4199 16-1 | xcept* 21-14:2x4 SP athing directly applie xcept end verticals. applied or 10-0-0 oc 22=0-3-8 .C 1), 22=975 (LC 1) pression/Maximum 71/0, 1-2=-4/0, 680/0, 4-5=-4008/0, 199/0, 7-8=-4008/0, 2679/0, 10-12=-2675 0=0/3491, 18-19=0/4 7=0/4199 15-16=0/4 | ad or 9/0, | Wallix-WSH | | | | | | | weight. 35 lb | <u>Γ1 = 20%</u> Γ, 11%Ε | |
| WEBS NOTES 1) Unbalance this design 2) All plates a 3) Recommer 10-00-00 o (0.131" X 3 at their out LOAD CASE(\$ | 14-15=0/1531 12-14=-1766/0, 2-22 2-20=0/1342, 10-15 9-15=-947/0, 4-20=- 4-19=0/604, 8-16=-1 7-16=-467/168, 6-19 6-18=-121/136, 7-17 ad floor live loads have the 1.5x3 MT20 unless and 2x6 strongbacks, o be and fastened to eac 3") nails. Strongbacks er ends or restrained li S) Standard | 1766/0, 12-15=0/1 165/0, 3-20=-166/0 946/0, 9-16=0/605, 91/0, 5-19=-191/0, =-467/168, =-121/136 been considered for otherwise indicated n edge, spaced at h truss with 3-10d to be attached to way other means. | 341,), r alls | | | | | | | A A A A A A A A A A A A A A A A A A A | SEA 0578 | RO 10 10 10 10 10 10 10 10 10 10 10 10 10 | |



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-В | FL7A | Floor | 2 | 1 | Job Reference (optional) | 170939598 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:dF3ZjAWDJ?zdT211v7Xyb5yajrJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:32.3

Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

| Loading TCLL TCDL | (psf) 40.0 10.0 | Spacing Plate Grip DOL Lumber DOL | 2-0-0 1.00 1.00 | CSI TC BC | 0.55 0.83 | DEFL Vert(LL) Vert(CT) | in -0.28 -0.38 | (loc) 15-16 15-16 | l/defl >725 >528 | L/d 480 360 | PLATES MT20 | GRIP 244/190 | |
|---|--|--|------------------------|------------------|--------------|-------------------------------------|----------------------|-------------------------|------------------------|-------------------|---------------------------|------------------------|---|
| BCLL BCDI | 0.0 5.0 | Rep Stress Incr | YES IRC2021/TPI2014 | WB Matrix-MSH | 0.59 | Horz(CT) | 0.06 | 13 | n/a | n/a | Weight [,] 88 lb | FT = 20%F 11%F | |
| DODL | 0.0 | oode | | | | | | | | | Weight. 00 lb | 11 = 20701, 11702 | - |
| LUMBER TOP CHORD BOT CHORD WEBS | 2x4 SP No.2(flat) 2x4 SP No.2(flat) *E No.1(flat) 2x4 SP No.3(flat) | xcept* 19-13:2x4 SF | 2 | | | | | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | | | | | | | | | | | |
| BRACING | | | | | | | | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | ed or | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly bracing. | applied or 10-0-0 or | c | | | | | | | | | | |
| REACTIONS | (size) 13= Mech | nanical, 20=0-3-8 | | | | | | | | | | | |
| | Max Grav 13=928 (I | LC 1), 20=922 (LC 1 |) | | | | | | | | | | |
| FORCES | (lb) - Maximum Com | npression/Maximum | | | | | | | | | | | |
| TOP CHORD | 1-20=-71/0, 12-13=- 2-3=-2499/0, 3-4=-2 5-6=-3697/0, 6-7=-3 | -73/0, 1-2=-4/0, 2499/0, 4-5=-3697/0, 3670/0, 7-8=-3670/0, | | | | | | | | | | | |
| BOT CHORD | 8-9=-2501/0, 9-11=- 18-20=0/1438, 17-1 15-16=0/3697, 14-1 | ·2501/0, 11-12=0/0 8=0/3229, 16-17=0/3 5=0/3226, 13-14=0/1 | 3697, 1442 | | | | | | | | | | |
| WEBS | 11-13=-1668/0, 2-20 2-18=0/1239, 9-14= 8-14=-846/0, 4-18=- 4-17=0/721, 7-15=-2 | D=-1658/0, 11-14=0/- -167/0, 3-18=-169/0, -852/0, 8-15=0/519, 236/0, 5-17=-225/0, | 1236, | | | | | | | <u>s</u> | ATH CA | ROLIN | |
| NOTES | 6-15=-417/299, 6-16 | 5=-143/71 | | | | | | | 1 | ER | 1. OFE | N. T. | |
| NUIES 1) Unbalance | ed floor live loads have | e been considered fo | ır | | | | | | | | ton to | alle - | |
| this design |). | | | | | | | | = | | SEA | | |
| Refer to gi Recomment 10-00-00 cm (0.131" X 3 at their out | rder(s) for truss to trus nd 2x6 strongbacks, c oc and fastened to eac 3") nails. Strongbacks ter ends or restrained | ss connections. on edge, spaced at ch truss with 3-10d s to be attached to we by other means | alls | | | | | | 11111 | | 0578 | 87 | |
| 4) CAUTION, | , Do not erect truss ba | ackwards. | | | | | | | | 11 | NGIN | EF | |
| LOAD CASE(S | S) Standard | | | | | | | | | 11 | ADAM | PACE | |

January 24,2025

Page: 1



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL7B | Floor | 3 | 1 | Job Reference (optional) | 170939599 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:_UOtLin07llW6QiFBIx6Ukyajqz-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:31.8

Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

| Loading TCLL TCDL | (psf) 40.0 10.0 | Spacing Plate Grip DOL Lumber DOL | 2-0-0 1.00 1.00 | CSI TC BC | 0.47 0.77 | DEFL Vert(LL) Vert(CT) | in -0.26 -0.35 | (loc) 15-16 15-16 | l/defl >775 >565 | L/d 480 360 | PLATES MT20 | GRIP 244/190 |
|--|--|--|-----------------------|-----------------|--------------|------------------------------|----------------------|-------------------------|------------------------|-------------------|----------------|---|
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.58 | Horz(CT) | 0.06 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | | | | | | | Weight: 87 lb | FT = 20%F, 11%E |
| | | | | | | | | | | | 0 | , |
| LUMBER | | | | | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| BOLCHORD | 2x4 SP No.2(flat) "E: | xcept" 19-13:2x4 SP | | | | | | | | | | |
| WEBS | 2x4 SP No 3(flat) | | | | | | | | | | | |
| OTHERS | 2x4 SP No 3(flat) | | | | | | | | | | | |
| BRACING | 2 | | | | | | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | ed or | | | | | | | | | |
| | 6-0-0 oc purlins, exc | cept end verticals. | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly bracing. | applied or 10-0-0 oc | 2 | | | | | | | | | |
| REACTIONS | (size) 13=0-3-8, | 20=0-3-8 | | | | | | | | | | |
| | Max Grav 13=906 (L | _C 1), 20=906 (LC 1) |) | | | | | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| | Tension | | | | | | | | | | | |
| TOP CHORD | 1-20=-71/0, 12-13=- | 71/0, 1-2=-4/0, | | | | | | | | | | |
| | 2-3=-2446/0, 3-4=-24 | 446/0, 4-5=-3576/0, | | | | | | | | | | |
| | 5-6=-3576/0, 6-7=-3 | 560/0, 7-8=-3560/0, | | | | | | | | | | |
| | 8-9=-2448/0, 9-11=-2 19 20_0/1711 17 10 | 2448/0, 11-12=-4/0 2_0/21/0_16_17_0/2 | 0576 | | | | | | | | | |
| BOTCHORD | 15-16=0/3576 14-15 | 5=0/3145, 10-17=0/3 | 413 | | | | | | | | | |
| WEBS | 11-13=-1629/0. 2-20 |)=-1627/0, 11-14=0/1 | 1208. | | | | | | | | | 10 million |
| | 2-18=0/1208, 9-14=- | -168/0, 3-18=-167/0, | , | | | | | | | | | 11111 |
| | 8-14=-814/0, 4-18=- | 820/0, 8-15=0/485, | | | | | | | | | "TH CA | Rollin |
| | 4-17=0/660, 7-15=-2 | 223/0, 5-17=-195/0, | | | | | | | | N | 1.200 | S. KINTE |
| | 6-15=-374/294, 6-16 | 6=-140/68 | | | | | | | | 32 | U. KEEDO | ON VAL |
| NOTES | | | | | | | | | | 1 | Ster 77 | 17: 1- |
| Unbalance | ed floor live loads have | e been considered fo | r | | | | | | | | and C | |
| this design |). | | | | | | | | | | SFA | |
| All plates a Dependence | are 1.5x3 MT20 unless | s otherwise indicated | | | | | | | - | | 0570 | 07 |
| 3) Recomme | nd 2x6 strongbacks, o | n edge, spaced at | | | | | | | = | : | 05/8 | 8/ ; : |
| (0 131" X 3 | 3") nails Strongbacks | to be attached to w | alle | | | | | | - | | | |
| at their out | ter ends or restrained l | by other means. | | | | | | | | - | · | al S |
| LOAD CASE | S) Standard | , | | | | | | | | 11 | VGIN | EE |
| (- | | | | | | | | | | 11 | ADA | ACEN |
| | | | | | | | | | | | AM | Phone |
| | | | | | | | | | | | | mn. |





818 Soundside Road Edenton, NC 27932

January 24,2025

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL7C | Floor | 2 | 1 | Job Reference (optional) | 170939600 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:Kv8vFnRqyr5d7z_h?9vJpdyajrQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:38.1

Plate Offsets (X, Y): [8:0-3-0.Edge], [19:0-1-8.Edge]

| Fiale Oliseis (| X, T). [8.0-3-0,Euge], | , [19.0-1-0,Euge] | | | | | | | | | | |
|--|---|---|---|-------------------------------------|----------------------|--|------------------------------|-------------------------------|-------------------------------|--------------------------|--|--|
| Loading TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MSH | 0.19 0.60 0.83 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.38 -0.53 0.10 | (loc) 18-19 18-19 16 | l/defl >646 >468 n/a | L/d 480 360 n/a | PLATES MT20 MT20HS Weight: 135 lb | GRIP 244/190 187/143 FT = 20%F, 11%E |
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 16= Mech | (flat) (flat) athing directly applie cept end verticals. applied or 10-0-0 or nanical, 24=0-3-8 | ed or C | | | | | | | | | |
| FORCES | Max Grav 16=1137 (lb) - Maximum Com | (LC 1), 24=1137 (LC ppression/Maximum | 2 1) | | | | | | | | | |
| TOP CHORD | 1-24=-93/0, 15-16=- 2-3=-3403/0, 3-4=-3 5-7=-5347/0, 7-8=-5 9-11=-5366/0, 11-12 13-14=-3402/0 14-1 | 93/0, 1-2=0/0, 403/0, 4-5=-5347/0, 878/0, 8-9=-5878/0, 2=-5366/0, 12-13=-3 15=0/0 | 402/0, | | | | | | | | | |
| BOT CHORD | 23-24=0/1880, 21-2 19-20=0/5878, 18-1 16-17=0/1879 | 3=0/4481, 20-21=0/5 9=0/5772, 17-18=0/4 | 5878, 4480, | | | | | | | | | |
| WEBS | 14-16=-2142/0, 2-24 2-23=0/1750, 13-17 12-17=-1239/0, 4-23 4-21=0/996, 11-18= 9-18=-477/0, 7-21=- 7-20=-20/63, 8-19=- | 4=-2143/0, 14-17=0/ =-215/0, 3-23=-213/ 3=-1239/0, 12-18=0/ -233/0, 5-21=-273/6 947/39, 9-19=-332/6 251/145 | 1750, 0, 1019, 4, 508, | | | | | | | ALL A | O AFESS | ROLING |
| NOTES 1) Unbalance this design 2) All plates a 3) All plates a 4) Refer to gi 5) Recomme 10-00-00 c (0.131" X : at their our LOAD CASE(S | ed floor live loads have n. are MT20 plates unless are 3x6 MT20 unless to irder(s) for truss to trus nd 2x6 strongbacks, o oc and fastened to ead 3") nails. Strongbacks ter ends or restrained S) Standard | e been considered for s otherwise indicate otherwise indicated. ss connections. on edge, spaced at th truss with 3-10d s to be attached to w by other means. | or d. alls | | | | | | | | SEAI 0578 NGIN January | 37 ACE |



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL8 | Floor | 2 | 1 | Job Reference (optional) | 170939601 |

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:hgX4?x6ym28graGRHwwR4RyajqY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



14-11-0 14-11-0 Scale = 1:28.9 Plate Offsets (X, Y): [13:0-1-8.Edge], [14:0-1-8.Edge]

| | X, 1). [10.0 1 0,Eugo |], [14.0 1 0,Edge] | | | | | | | | | | |
|--|--|---|---|-------------------------------------|----------------------|--|------------------------------|-------------------------------|-------------------------------|--------------------------|---------------------------------|---|
| Loading TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MSH | 0.30 0.76 0.48 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.16 -0.23 0.05 | (loc) 13-14 13-14 11 | l/defl >999 >780 n/a | L/d 480 360 n/a | PLATES MT20 Weight: 77 lb | GRIP 244/190 FT = 20%F, 11%E |
| BOBL | 0.0 | 0000 | | Maanx Mort | | | | | | | Wolght. 11 lb | 11-20/01,11/02 |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS | 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) | | | | | | | | | | | |
| BRACING | | | | | | | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | ed or | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly bracing. | applied or 10-0-0 oc | ; | | | | | | | | | |
| REACTIONS | (size) 11= Mech Max Grav 11=807 (L | anical, 16=0-3-8 _C 1), 16=800 (LC 1) |) | | | | | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| TOP CHORD BOT CHORD WEBS | 1-16=-71/0, 10-11=- 2-3=-2094/0, 3-4=-2 5-6=-2839/0, 6-7=-2 8-9=-2094/0, 9-10=0 15-16=0/1233, 14-19 12-13=0/2619, 11-11 9-11=-1428/0, 2-16= 2-15=0/1006, 8-12=- | 73/0, 1-2=-4/0, 094/0, 4-5=-2839/0, 839/0, 7-8=-2094/0, //0 5=0/2618, 13-14=0/2 2=0/1235 1421/0, 9-12=0/100 162/0, 3-15=-164/0 | 2839, D3, | | | | | | | | | |
| | 7-12=-613/0, 4-15=- | 612/0, 7-13=-59/452 | ., | | | | | | | | 111111 | |
| NOTES | 4-14=-58/452, 5-14= | -152/0, 6-13=-152/0 | | | | | | | | K | ATH | ROIM |
| Unbalance this design Refer to gi Recomme 10-00-00 ((0.131" X at their out CAUTION LOAD CASE(s) | ed floor live loads have irder(s) for truss to trus nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained , Do not erect truss ba S) Standard | been considered for sconnections. n edge, spaced at th truss with 3-10d to be attached to we by other means. ckwards. | r alls | | | | | | | Kee muning | SEA 0578 | EEP. PACE |

January 24,2025

Page: 1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL9 | Floor | 8 | 1 | Job Reference (optional) | 170939602 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:Kq1C_XcAzyXGzWoc0thM2HyajsU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:27.4

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

| Loading | (psf) | Spacing | 2-0-0 | csi | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|-------------|---|--|-----------------|------------|------|----------|-------|-------|--------|-----|---------------|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.50 | Vert(LL) | -0.15 | 11-12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.84 | Vert(CT) | -0.21 | 11-12 | >772 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.04 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | | - (-) | | | | | Weight: 72 lb | FT = 20%F, 11%E |
| | | | | | | | - | | | | | , |
| LUMBER | | | | | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| BOT CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| WEBS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| BRACING | . | | | | | | | | | | | |
| TOP CHORD | Structural wood sh | eathing directly applie | ed or | | | | | | | | | |
| | 6-0-0 oc purlins, e | xcept end verticals. | 2 | | | | | | | | | |
| | bracing. | ly applied of 10-0-0 of | C C | | | | | | | | | |
| REACTIONS | (size) 10=0-3-8 | 8, 15=0-3-8 | | | | | | | | | | |
| | Max Grav 10=745 | (LC 1), 15=752 (LC 1 |) | | | | | | | | | |
| FORCES | (lb) - Maximum Co | mpression/Maximum | | | | | | | | | | |
| | Tension | | | | | | | | | | | |
| TOP CHORD | 1-15=-74/0, 9-10=- | 70/0, 1-2=0/0, | | | | | | | | | | |
| | 2-3=-1896/0, 3-4=- | 1896/0, 4-5=-2417/0, | | | | | | | | | | |
| | 5-6=-2417/0, 6-7=- | 1912/0, 7-8=-1912/0, | | | | | | | | | | |
| | 8-9=-4/0 | | | | | | | | | | | |
| BOT CHORD | 14-15=0/1138, 13- | 14=0/2417, 12-13=0/2 | 2417, | | | | | | | | | |
| | 11-12=0/2343, 10- | 11=0/1142 | • | | | | | | | | | |
| WEBS | 8-10=-1316/0, 2-15 | p = -1317/0, 8 - 11 = 0/89 | 9, | | | | | | | | | |
| | 2-14=0/884, 7-11= | -155/0, 3-14=-190/34 - 722/0 6 12- 127/26 | , 51 | | | | | | | | , minin | 1111. |
| | 0-11=-303/0, 4-14= /_13=_35/125 5-11 | =123/0, 0-12=-137/30 2-124/0 |), | | | | | | | - | I' IL CA | AD |
| NOTES | 4-1000/120, 0-12 | | | | | | | | | 1 | 211 | 01 11 |
| NUIES | ad floor live loode he | a been considered fo | | | | | | | | 3. | ONEESS | 0: 11 |
| this design | | | Л | | | | | | | SA | | No. 7 :- |
| 2) Recomme | nd 2v6 strongbacks | on edge snaced at | | | | | | | | | den 0 | n fin : |
| 10-00-00 0 | oc and fastened to ea | ch truss with 3-10d | | | | | | | | 1 | 054 | |
| (0.131" X 3 | 3") nails. Strongback | s to be attached to w | alls | | | | | | = | | SEA | |
| at their ou | ter ends or restrained | by other means. | | | | | | | = | | 0578 | 87 : - |
| 3) CAUTION | , Do not erect truss b | ackwards. | | | | | | | 1 | 9 | | 1 (L) (L |
| LOAD CASE(| Standard | | | | | | | | | - | No. o | |
| | | | | | | | | | | - | · SNOW | -ER. S |
| | | | | | | | | | | 11 | GIN | Et a St |
| | | | | | | | | | | 1 | , DANA | DACKIN |
| | | | | | | | | | | | 111 M | - and |
| | | | | | | | | | | | | III. |



January 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL9A | Floor | 10 | 1 | Job Reference (optional) | 170939603 |

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:Kq1C_XcAzyXGzWoc0thM2HyajsU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:26.9

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | 0.40 | DEFL | in 0.42 | (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|-----------------------------------|----------------------------------|------------------|---------------|------|-----------|------------|-------|--------|------------|---------------|--|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | | 0.40 | Vert(LL) | -0.13 | 11-12 | >999 | 480 | MT20 | 244/190 |
| RCU | 10.0 | Lumber DOL Bon Stross Incr | 1.00 VES | | 0.74 | | -0.19 | 10-12 | >004 | 300 n/a | | |
| BCDI | 5.0 | Code | IEC2021/TPI2014 | Matrix-MSH | 0.41 | 11012(01) | 0.04 | 10 | n/a | 11/a | Weight 71 lb | FT - 20%F 11%F |
| DODL | 5.0 | Code | 11(02021/1112014 | Width - WIOTT | | | | | | | Weight. 7 Tib | 11 = 20701, 1170L |
| LUMBER | | | | | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| BOT CHORD | 2x4 SP No.2(flat) | | | | | | | | | | | |
| WEBS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | | | | | | | | | | |
| BRACING | Other strengtheres and all | the internation of the second in | | | | | | | | | | |
| TOP CHORD | Structural wood sh | eathing directly applie | ed or | | | | | | | | | |
| | Bigid ceiling direct | v applied or 10-0-0 or | ^ | | | | | | | | | |
| bor onord | bracing. | | 0 | | | | | | | | | |
| REACTIONS | (size) 10=0-3-8 | 3, 15= Mechanical | | | | | | | | | | |
| | Max Grav 10=729 | (LC 1), 15=736 (LC 1 |) | | | | | | | | | |
| FORCES | (lb) - Maximum Cor Tension | mpression/Maximum | | | | | | | | | | |
| TOP CHORD | 1-15=-74/0, 9-10=- | 70/0, 1-2=0/0, | | | | | | | | | | |
| | 2-3=-1845/0, 3-4=- | 1845/0, 4-5=-2319/0, | | | | | | | | | | |
| | 5-6=-2319/0, 6-7=- | 1857/0, 7-8=-1857/0, | | | | | | | | | | |
| | 8-9=-4/0 14-15-0/1111 13-1 | 1/-0/2310 12-13-0/ | 2310 | | | | | | | | | |
| | 11-12=0/2263. 10- | 11=0/1114 | 2010, | | | | | | | | | |
| WEBS | 8-10=-1283/0, 2-15 | =-1285/0, 8-11=0/86 | 8, | | | | | | | | | |
| | 2-14=0/858, 7-11=- | 157/0, 3-14=-189/19 | , | | | | | | | | | |
| | 6-11=-474/0, 4-14= | -657/0, 6-12=-150/31 | 16, | | | | | | | | | 1111 |
| | 4-13=-39/117, 5-12 | 2=-103/8 | | | | | | | | | "TH Le | Roill |
| NOTES | | | | | | | | | | SI | M - HSS | in Ante |
| 1) Unbalanc | ed floor live loads hav | e been considered fo | or | | | | | | | SR | 1. 10° 12 | N. T. |
| 2) Pofor to a | (). virdor(c) for trucc to tru | ice connections | | | | | | | | | Henry | Mar - |
| 3) Recomme | and 2x6 strongbacks | on edge snaced at | | | | | | | - | | 054 | |
| 10-00-00 | oc and fastened to ea | ch truss with 3-10d | | | | | | | | | SEA | |
| (0.131" X | 3") nails. Strongback | s to be attached to w | alls | | | | | | = | | 0578 | 87 : = |
| at their ou | iter ends or restrained | by other means. | | | | | | | - | 8 8 | | |
| 4) CAUTION | I, Do not erect truss b | ackwards. | | | | | | | | | 10.00 | |
| LOAD CASE(| (S) Standard | | | | | | | | | 2 | · SNOW | EFR. N |
| | | | | | | | | | | 11 | ANUN | the start |
| | | | | | | | | | | | AM I | PACKIN |
| | | | | | | | | | | | 11111 | in the second se |
| | | | | | | | | | | | lonuon | 124 2025 |

January 24,2025

Page: 1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|-------|-----------------------|-----|-----|---------------------------------|-----------|
| 24090030-B | FL9GE | Floor Supported Gable | 1 | 1 | Job Reference (optional) | 170939604 |





Scale = 1:27.4

| Loading | (psf) | Spacing | 2-0-0 | c | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|-----------|---|---|----------------|--------------|--------------------|-----------|----------------|------|-------|--------|-----|---------------|-----------------|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | Т | TC | 0.08 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | E | BC | 0.02 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | V | VB | 0.03 | Horiz(TL) | 0.00 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code | IRC2021/TPI20 | 014 N | Matrix-MR | | | | | | | Weight: 60 lb | FT = 20%F, 11%E |
| LUMBER | | | 4) Gable | e studs spa | aced at 1-4-0 oc. | | | | | | | | |
| TOP CHORD | 2x4 SP No.2(flat) | | 5) Reco | mmend 2x | 6 strongbacks. c | on edae | . spaced at | | | | | | |
| BOT CHORD | 2x4 SP No.2(flat) | | 10-00 | 0-00 oc an | d fastened to eac | ch truss | with 3-10d | | | | | | |
| WEBS | 2x4 SP No.3(flat) | | (0.13 | 1" X 3") na | ails. Strongbacks | s to be a | attached to wa | alls | | | | | |
| OTHERS | 2x4 SP No.3(flat) | | at the | eir outer en | nds or restrained | by othe | er means. | | | | | | |
| BRACING | | | 6) CAU | TION, Do r | not erect truss ba | ackward | ls. | | | | | | |
| TOP CHORD | Structural wood she | athing directly applie | d or LOAD C | ASE(S) S | Standard | | | | | | | | |
| | 6-0-0 oc purlins, exe | cept end verticals. | | | | | | | | | | | |
| BOT CHORD | Rigid ceiling directly bracing. | applied or 10-0-0 oc | | | | | | | | | | | |
| REACTIONS | (size) 13=13-11 15=13-11 17=13-11 21=13-11 21=13-11 23=13-11 Max Grav 13=16 (LC 15=153 (L 17=147 (L 21=147 (L 23=147 (L | -0, 14=13-11-0, -0, 16=13-11-0, -0, 28=13-11-0, -0, 22=13-11-0, -0, 24=13-11-0 C 1), 14=103 (LC 1), LC 1), 16=145 (LC 1) LC 1), 18=147 (LC 1) LC 1), 22=147 (LC 1) LC 1), 22=147 (LC 1) LC 1), 24=53 (LC 1) |), ,), | | | | | | | | | | |
| FORCES | (lb) - Maximum Com Tension | pression/Maximum | | | | | | | | | | | |
| TOP CHORD | 1-24=-49/0, 12-13=- 3-4=-7/0, 4-5=-7/0, 5 7-8=-7/0, 8-9=-7/0, 9 11-12=-7/0 | 7/0, 1-2=-7/0, 2-3=-7 5-6=-7/0, 6-7=-7/0, 9-10=-7/0, 10-11=-7/0 | 7/0, 0, | | | | | | | | A | OFESS | ROLIN |
| BOT CHORD | 23-24=0/7, 22-23=0/ 19-20=0/7, 18-19=0/ 15-16=0/7, 14-15=0/ | /7, 21-22=0/7, 20-21 /7, 17-18=0/7, 16-17 /7, 13-14=0/7 | =0/7, =0/7, | | | | | | | | C | SEAL SEAL | u vie |
| WEBS | 2-23=-132/0, 3-22=- 5-20=-133/0, 6-19=- 8-17=-134/0, 9-16=- 11-14=-101/0 | 134/0, 4-21=-133/0, 133/0, 7-18=-133/0, 132/0, 10-15=-139/0 | l, | | | | | | | 11111 | | 0578 | 87 |
| NOTES | | | | | | | | | | | 1 | .SNOW | EFR. S |

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely

braced against lateral movement (i.e. diagonal web).

January 24,2025

Page: 1



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|--------|-----------------------|-----|-----|---------------------------------|-----------|
| 24090030-В | FL10GE | Floor Supported Gable | 1 | 1 | Job Reference (optional) | 170939605 |

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:Xw?3XE0NLnTAjyxgcSFo42yajpO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



9-2-8

Scolo - 1.20.2

1-2-0

| Scale = 1:20.2 | | | | | | | | | | | | | |
|--|--|--|---|---|------------------------------------|----------------------|---|--------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|---|
| Loading TCLL TCDL BCLL BCDL | | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.08 0.01 0.03 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 9 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 41 lb | GRIP 244/190 FT = 20%F, 11%E |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) | o.2(flat) o.2(flat) o.3(flat) o.3(flat) l wood shea purlins, exc ing directly 9=9-2-8, 1 12=9-2-8, 15=9-2-8, 9=56 (J C. | athing directly applie cept end verticals. applied or 10-0-0 oc 0=9-2-8, 11=9-2-8, 13=9-2-8, 14=9-2-8 16=9-2-8 10 10=134 (I C 1) | d or | | | | | | | | | |
| | Max Grav | 9=56 (LC 11=150 (L 13=147 (L 15=144 (L | .C 1), 12=146 (LC 1) .C 1), 12=146 (LC 1) .C 1), 14=148 (LC 1) .C 1), 16=55 (LC 1) | , , | | | | | | | | | |
| FORCES | (lb) - Max | imum Com | pression/Maximum | | | | | | | | | | |
| TOP CHORD | 1-16=-51, 3-4=-9/0, 7-8=-9/0 | /0, 8-9=-49/ 4-5=-9/0, 5 | /0, 1-2=-9/0, 2-3=-9/0 -6=-9/0, 6-7=-9/0, |), | | | | | | | | | |
| BOT CHORD WEBS | 15-16=0/9 11-12=0/9 2-15=-13 5-12=-13 | 9, 14-15=0/ 9, 10-11=0/ 1/0, 3-14=- ⁻ 3/0, 6-11=- ⁻ | 9, 13-14=0/9, 12-13 9, 9-10=0/9 134/0, 4-13=-133/0, 136/0, 7-10=-124/0 | =0/9, | | | | | | | | WITH CA | Route |
| NOTES 1) All plates a 2) Gable requ 3) Truss to be braced agg 4) Gable stud 5) Recomme 10-00-00 c (0.131" X 3 at their out 6) CAUTION LOAD CASE(5) | are 1.5x3 M uires contin e fully shea ainst lateral ds spaced a ds spaced a nd 2x6 stro bc and faste 3") nails. S ter ends or , Do not ere S) Standa | IT20 unless uous bottor thed from o movement at 1-4-0 oc. ngbacks, or ngbacks, or ngbacks, or ngbacks restrained b act truss bac rd | otherwise indicated in chord bearing. Ine face or securely (i.e. diagonal web). In edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards. | alls | | | | | | | in the second second | SEA SEA 0578 | L 87 EEER. |



Page: 1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | |
|------------|--------|-----------------------|-----|-----|---------------------------------|-----------|
| 24090030-В | FL11GE | Floor Supported Gable | 1 | 1 | Job Reference (optional) | 170939606 |



Page: 1



| 7-4-0 | |
|-------|--|
| 7-4-0 | |

Scale = 1:18.1

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

1-2-0

| Loading TCLL TCDL | | (psf) 40.0 10.0 | Spacing Plate Grip DOL Lumber DOL | 2-0-0 1.00 1.00 | CSI TC BC | 0.08 0.02 | DEFL Vert(LL) Vert(TL) | in n/a n/a | (loc) - - | l/defl n/a n/a | L/d 999 999 | PLATES MT20 | GRIP 244/190 |
|---|---|---|---|--------------------------|-----------------|--------------|-------------------------------------|------------------|-----------------|----------------------|----------------------|----------------|--------------------------|
| BCLL BCDL | | 0.0 5.0 | Rep Stress Incr Code | YES IRC2021/TPI2014 | WB Matrix-MR | 0.03 | Horiz(TL) | 0.00 | 8 | n/a | n/a | Weight: 34 lb | FT = 20%F, 11%E |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No. 2x4 SP No. 2x4 SP No. 2x4 SP No. Structural v 6-0-0 oc pu Rigid ceilin bracing. (size) 8 (size) 1 1 Max Grav 8 | 2(flat) 2(flat) 3(flat | athing directly applie cept end verticals. applied or 10-0-0 or 12-7-4-0, 10=7-4-0, 12=7-4-0, 13=7-4-0 1), 9=105 (LC 1), 10 | ed or c ,)=153 | • | | | | | | | | |
| | (1 | LC 1), 11 I), 13=147 | =145 (LC 1), 12=14 7 (LC 1), 14=59 (LC | 7 (LC 1) | | | | | | | | | |
| FORCES | (lb) - Maxin Tension | num Com | pression/Maximum | | | | | | | | | | |
| TOP CHORD | 1-14=-55/0 | , 7-8=-9/0 5- 7/0 5 | , 1-2=-7/0, 2-3=-7/0 | , | | | | | | | | | |
| BOT CHORD | 13-14=0/7, 9-10=0/7, 8 | 12-13=0/ 3-9=0/7 | 7, 11-12=0/7, 10-11 | =0/7, | | | | | | | | | |
| WEBS | 2-13=-132/ 5-10=-139/ | 0, 3-12=-1 0_6-9=-10 | 134/0, 4-11=-132/0, 02/0 | | | | | | | | - | WHY CA | Palli |
| NOTES 1) All plates a 2) Gable requ 3) Truss to be braced aga 4) Gable stud 5) Recommen 10-00-00 c (0.131" X 2) at their out 6) CAUTION, LOAD CASE(\$ | are 1.5x3 MT: uires continuc e fully sheath ainst lateral m als spaced at nd 2x6 strong oc and fasten 3") nails. Stro ter ends or re N Do not erect S) Standard | 20 unless bus bottom ed from o novement 1-4-0 oc. gbacks, or ed to eacl ongbacks strained b t truss bac | otherwise indicated n chord bearing. ne face or securely (i.e. diagonal web). n edge, spaced at h truss with 3-10d to be attached to w by other means. ckwards. | I. alls | | | | | | . annuna. | in the second second | SEA 0578 | B7 B7 B7 CEnnin |

January 24,2025



| Job | Truss | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | | | | |
|------------|-------|------------|-----|-----|---------------------------------|-----------|--|--|--|
| 24090030-В | FL12 | Floor | 8 | 1 | Job Reference (optional) | 170939607 | | | |

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:k7Bv2IROGfmGINjwBxR4UKyajsi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:24.5

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

| Loading TCLL TCDL BCLL | (psf) 40.0 10.0 0.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr | 2-0-0 1.00 1.00 YES | CSI TC BC WB | 0.33 0.38 0.15 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.04 -0.07 0.01 | (loc) 6-7 6-7 6 | l/defl >999 >999 n/a | L/d 480 360 n/a | PLATES MT20 | GRIP 244/190 |
|---|---|--|------------------------------|-----------------------|----------------------|---|------------------------------|--------------------------|-------------------------------|--------------------------|----------------|------------------------|
| BCDL | 5.0 | Code | IRC2021/TPI2014 | Matrix-MSH | | | | | | | Weight: 37 lb | FT = 20%F, 11%E |
| LUMBER TOP CHORD BOT CHORD WEBS BRACING | 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) | | | | | | | | | | | |
| TOP CHORD | Structural wood sh 6-0-0 oc purlins, e | eathing directly applie xcept end verticals. | ed or | | | | | | | | | |
| BOT CHORD | Rigid ceiling direct bracing. | y applied or 10-0-0 o | с | | | | | | | | | |
| REACTIONS | (size) 6= Mech Max Grav 6=367 (I | nanical, 9= Mechanica _C 1), 9=367 (LC 1) | al | | | | | | | | | |
| FORCES | (lb) - Maximum Co Tension | mpression/Maximum | | | | | | | | | | |
| TOP CHORD | 1-9=-75/10, 5-6=-6 3-4=-553/0, 4-5=0/ | 7/0, 1-2=0/0, 2-3=-55 0 | 53/0, | | | | | | | | | |
| BOT CHORD | 8-9=0/553, 7-8=0/5 | 53, 6-7=0/481 | | | | | | | | | | |

BOT CHORD WEBS 4-6=-556/0, 2-9=-635/0, 4-7=0/171, 2-8=0/83, 3-7=-54/0

NOTES

1) Unbalanced floor live loads have been considered for this design.

Refer to girder(s) for truss to truss connections. 2)

Recommend 2x6 strongbacks, on edge, spaced at 3) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





| Job Truss | | Truss Type | Qty | Ply | Isabelle-2nd Floor-Isabelle GRH | | | |
|--------------------------------|--------------------------|-----------------------|----------------|-------------|---|-----------|--|--|
| 24090030-B | FL13GE | Floor Supported Gable | 1 | 1 | Job Reference (optional) | 170939608 | | |
| Carter Components (Sanford, NC | ;), Sanford, NC - 27332, | Run: 8.73 S Dec 5 20 | 024 Print: 8.7 | '30 S Dec 5 | 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 | Page: 1 | | |

1-2-0

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:pGwi?d5mhxMB31z0WQtRsWyajpH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:18.1

| Loading TCLL TCDL BCLL BCDL | | (psf) 40.0 10.0 0.0 5.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.00 1.00 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.08 0.02 0.03 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 7 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 28 lb | GRIP 244/190 FT = 20%F, 11%E |
|---|---|--|---|---|------------------------------------|----------------------|--|--------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|---|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING | 2x4 SP No 2x4 SP No 2x4 SP No 2x4 SP No 2x4 SP No | o.2(flat) o.2(flat) o.3(flat) o.3(flat) | | | | | | | | | | | |
| TOP CHORD | Structural 6-0-0 oc p | wood she ourlins, ex | athing directly applie cept end verticals. | ed or | | | | | | | | | |
| 30T CHORD | Rigid ceili bracing. | ng directly | applied or 10-0-0 or | 0 | | | | | | | | | |
| REACTIONS | (size) Max Grav | 7=6-0-0, 8 10=6-0-0, 7=17 (LC (LC 1), 10 1), 12=53 | 3=6-0-0, 9=6-0-0, 11=6-0-0, 12=6-0-0 1), 8=105 (LC 1), 9= =145 (LC 1), 11=14 (LC 1) | =153 8 (LC | | | | | | | | | |
| FORCES | (lb) - Max Tension | imum Com | pression/Maximum | | | | | | | | | | |
| TOP CHORD | 1-12=-49/ 3-4=-7/0, | 0, 6-7=-9/0 4-5=-7/0, 5 | , 1-2=-7/0, 2-3=-7/0 -6=-7/0 | , | | | | | | | | | |
| BOT CHORD | 11-12=0/7 7-8=0/7 | 7, 10-11=0/ | 7, 9-10=0/7, 8-9=0/7 | 7, | | | | | | | | | |
| WEBS | 2-11=-133 5-8=-102/ | 3/0, 3-10=- 0 | 132/0, 4-9=-139/0, | | | | | | | | | | |
| NOTES | | | | | | | | | | | | minin | 1111 |
| All plates are 1.5x3 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable studs snaced at 1.4-0 oc | | | | | | | | | | (| 111 | OR OFESS | ROLINA |
| 5) Recomme | commend 2x6 strongbacks, on edge, spaced at | | | | | | | | | | | | |

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





