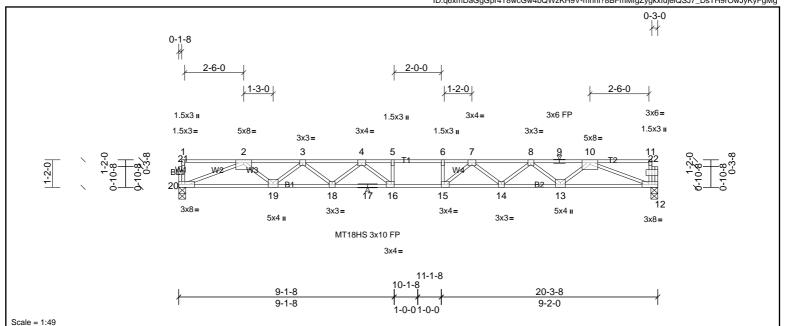


Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:19 Page: 1  $ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-mhhi?8BFmMfgZygkxlujeiQSJ7\_DsTH9rOwJyKyFgMgMgDruckspread and the complex of th$ 



| Plata Offects (Y. V): | [12:0-3-9 Edgo] [15:0-1-9 Edgo] [16:0-1-9 Edgo] |
|-----------------------|---|

| Lo | ading ( | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | I/defl | L/d | PLATES        | GRIP            |
|----|---------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|-----------------|
| TC | LL 4    | 40.0  | Plate Grip DOL  | 1.00            | TC        | 0.76 | Vert(LL) | -0.46 | 15-16 | >527   | 480 | MT18HS        | 244/190         |
| TC | DL 1    | 10.0  | Lumber DOL      | 1.00            | BC        | 0.65 | Vert(CT) | -0.63 | 15-16 | >383   | 360 | MT20          | 244/190         |
| ВС | CLL     | 0.0   | Rep Stress Incr | YES             | WB        | 0.73 | Horz(CT) | 0.10  | 12    | n/a    | n/a |               |                 |
| ВС | DL      | 5.0   | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 99 lb | FT = 20%F, 12%E |

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins, except end **BOT CHORD** 2x4 SP SS(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-4551/0, 8-9=-3307/0, 9-10=-3307/0

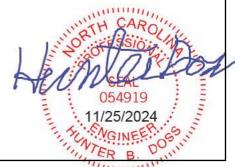
**BOT CHORD**  $19-20=0/2442,\ 18-19=0/4050,\ 17-18=0/4980,\ 16-17=0/4980,\ 15-16=0/5213,\ 14-15=0/4996,\ 13-14=0/4081,\ 12-13=0/2489$ 

WEBS  $5-16=-309/11,\ 6-15=-319/20,\ 2-20=-2620/0,\ 2-19=0/1074,\ 3-19=-1019/0,\ 3-18=0/624,\ 4-18=-588/0,\ 4-16=-151/704,\ 10-12=-2656/0,\ 10-13=0/1064,\ 8-13=-1008/0,\ 8-14=0/612,\ 10-12=-2620/0,\ 10-13=0/1064,\ 10-12=-2620/0,\ 10-1$ 

7-14=-579/0, 7-15=-161/695

# NOTES

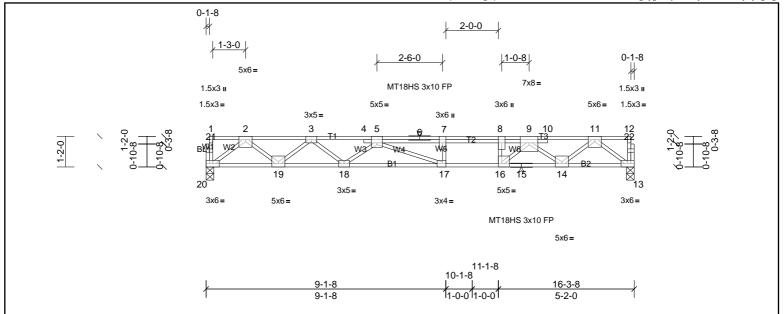
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:19 ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-mhhi?8BFmMfgZygkxIujeiQSt7yssRx9rOwJyKyFgMg



Scale = 1:44.1 Dioto Offosto (V. V)

| riale Offsets (A, 1). | tie Orisels (A, +). [J.U-2-0,Lugej, [IU-0-1-0,Lugej, [11-0-1-0,Lugej |                 |                 |           |      |          |       |       |        |     |               |                 |  |  |
|-----------------------|--|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|-----------------|--|--|
| Loading               | (psf)  | Spacing         | 2-0-0           | csı       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP            |  |  |
| TCLL                  | 40.0   | Plate Grip DOL  | 1.00            | TC        | 0.72 | Vert(LL) | -0.21 | 17-18 | >923   | 480 | MT18HS        | 244/190         |  |  |
| TCDL                  | 30.0   | Lumber DOL      | 1.00            | BC        | 0.81 | Vert(CT) | -0.46 | 17-18 | >422   | 360 | MT20          | 244/190         |  |  |
| BCLL                  | 0.0  | Rep Stress Incr | NO              | WB        | 0.88 | Horz(CT) | 0.07  | 13    | n/a    | n/a |               |                 |  |  |
| BCDL                  | 5.0  | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 90 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

[E-O 2 0 Edgo] [0-O 2 0 Edgo] [16-O 1 0 Edgo] [17-O 1 0 Edgo]

TOP CHORD 2x4 SP SS(flat) TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end BOT CHORD 2x4 SP SS(flat)

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

2x4 SP No.3(flat) WEBS **OTHERS** 2x4 SP No.3(flat)

REACTIONS (lb/size) 13=1322/0-3-8, (min. 0-1-8), 20=1294/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2720/0, 3-4=-4533/0, 4-5=-4531/0, 5-6=-5301/0, 6-7=-5301/0, 7-8=-5301/0, 8-9=-5301/0, 9-10=-2814/0, 10-11=-2807/0

**BOT CHORD**  $19 - 20 = 0/1631,\ 18 - 19 = 0/3789,\ 17 - 18 = 0/5255,\ 16 - 17 = 0/5301,\ 15 - 16 = 0/4057,\ 14 - 15 = 0/4057,\ 13 - 14 = 0/1644$ 

WEBS 8-16 = -1106/0, 2-20 = -2042/0, 2-19 = 0/1418, 3-19 = -1392/0, 3-18 = 0/969, 5-18 = -916/0, 5-17 = -199/508, 11-13 = -2058/0, 11-14 = 0/1513, 9-14 = -1588/0, 9-16 = 0/1840 = 0/16418, 3-19 = -1392/0, 3-18 = 0/16418, 3-19

### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 4) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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 5)

#### to walls at their outer ends or restrained by other means. LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

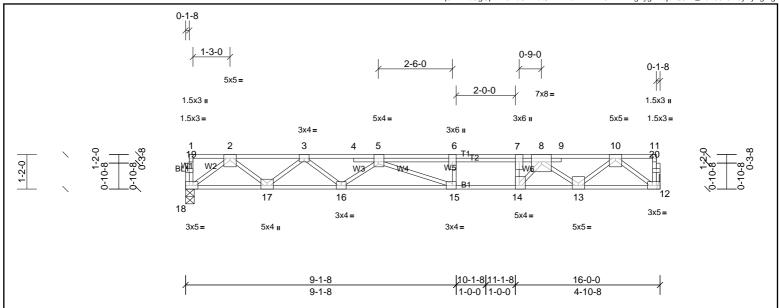
Vert: 13-20=-10, 1-4=-140, 4-9=-176, 9-12=-140





| Job      | Truss | Truss Type | Qty | Ply | MUNGO HOMES - MCDOWELL C 2ND FLR |
|----------|-------|------------|-----|-----|----------------------------------|
| 72436773 | F202  | Truss      | 3   | 1   | Job Reference (optional)         |

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:19 Page: 1
ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-mhhi?8BFmMfgZygkxlujeiQOx7\_AsT59rOwJyKyFgMg



Scale = 1:39

| Plate Offsets (X, Y): | [5:0-1-12,Edge], [7:0-3-0,Edge], [12:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-2-0,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        | 0.97 | Vert(LL) | -0.22 | 15-16 | >844   | 480 | MT20          | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC        | 0.66 | Vert(CT) | -0.39 | 15-16 | >488   | 360 |               |                 |
| BCLL    | 0.0   | Rep Stress Incr | NO              | WB        | 0.74 | Horz(CT) | 0.06  | 12    | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 89 lb | FT = 20%F, 12%E |

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHO

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.

WEBS 244 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

 REACTIONS
 (lb/size)
 12=1000/ Mechanical, (min. 0-1-8), 18=973/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2055/0, 3-4=-3470/0, 4-5=-3477/0, 5-6=-3974/0, 6-7=-3974/0, 7-8=-3974/0, 8-9=-2140/0, 9-10=-2136/0

BOT CHORD 17-18=0/1227, 16-17=0/2864, 15-16=0/4043, 14-15=0/3974, 13-14=0/3110, 12-13=0/1241

WEBS 7-14=-1071/0, 2-18=-1537/0, 2-17=0/1078, 3-17=-1053/0, 3-16=0/789, 5-16=-728/0, 5-15=-296/415, 10-12=-1553/0, 10-13=0/1166, 8-13=-1237/0, 8-14=0/1550

### NOTES

- Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Load case(s) 1 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 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached

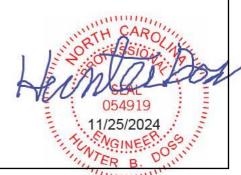
# to walls at their outer ends or restrained by other means. LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 12-18=-10, 1-4=-100, 4-8=-140, 8-11=-100

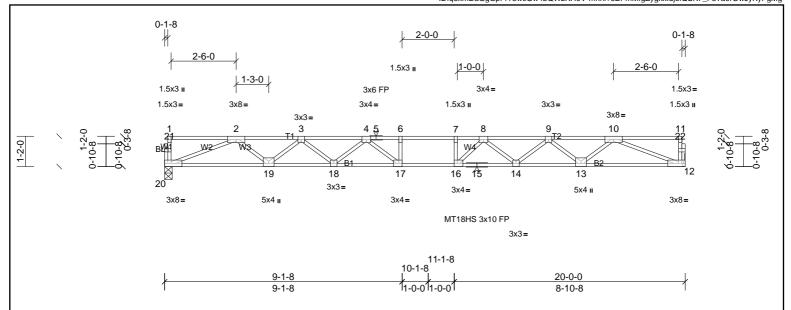






Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:19 Page: 1

ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-mhhi?8BFmMfgZygkxlujeiQSK7\_FsTa9rOwJyKyFgMg



Scale = 1:44.5

| Plate Offsets (X, Y): | ate Offsets (X, Y): [16:0-1-8,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        | 0.76 | Vert(LL) | -0.44 | 16-17 | >543   | 480 | MT18HS        | 244/190         |  |  |
| TCDL                  | 10.0                                | Lumber DOL      | 1.00            | BC        | 0.65 | Vert(CT) | -0.60 | 16-17 | >395   | 360 | MT20          | 244/190         |  |  |
| BCLL                  | 0.0                                 | Rep Stress Incr | YES             | WB        | 0.71 | Horz(CT) | 0.09  | 12    | n/a    | n/a |               |                 |  |  |
| BCDL                  | 5.0                                 | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 97 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

 TOP CHORD
 2x4 SP No.1(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP SS(flat)
 TOP CHORD

WEBS 2x4 SP No.3/flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat) **REACTIONS** (lb/size) 12=1080/ Mechanical, (min. 0-1-8), 20=1080/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3220/0, 3-4=-4454/0, 4-5=-5093/0, 5-6=-5093/0, 6-7=-5093/0, 7-8=-5093/0, 8-9=-4449/0, 9-10=-3221/0

BOT CHORD 19-20=0/2411, 18-19=0/3988, 17-18=0/4888, 16-17=0/5093, 15-16=0/4891, 14-15=0/4891, 13-14=0/3987, 12-13=0/2411

WEBS 6-17=-297/18, 7-16=-345/32, 2-20=-2587/0, 2-19=0/1054, 3-19=-1000/0, 3-18=0/606, 4-18=-565/0, 4-17=-166/671, 10-12=-2587/0, 10-13=0/1055, 9-13=-997/0, 9-14=0/601,

8-14=-579/0, 8-16=-159/686

# NOTES

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

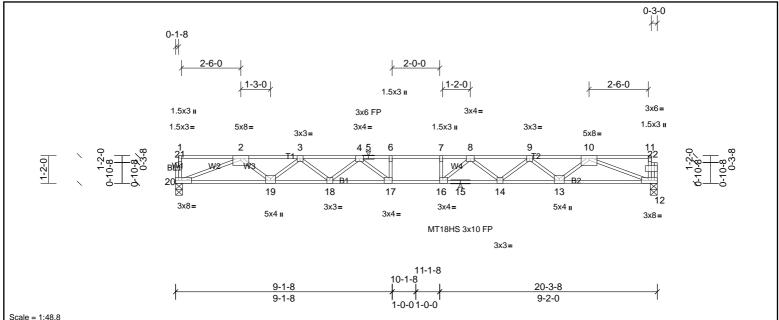
054919 11/25/2024 NGINEE 11/25/2024

Structural wood sheathing directly applied or 5-0-15 oc purlins, except end





Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20 Page: 1
ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-mhhi?8BFmMfgZygkxlujeiQSJ7\_DsTH9rOwJyKyFgMg



Scale = 1:48.8

| Flate Offsets (X, 1). | ade Orisets (X, 1). [12.0-3-0, Luge], [10.0-1-0, Luge] |                 |                 |           |      |          |       |       |        |     |               |                 |  |  |
|-----------------------|--|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|-----------------|--|--|
| 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        | 0.76 | Vert(LL) | -0.46 | 16-17 | >527   | 480 | MT18HS        | 244/190         |  |  |
| TCDL                  | 10.0   | Lumber DOL      | 1.00            | BC        | 0.65 | Vert(CT) | -0.63 | 16-17 | >383   | 360 | MT20          | 244/190         |  |  |
| BCLL                  | 0.0  | Rep Stress Incr | YES             | WB        | 0.73 | Horz(CT) | 0.10  | 12    | n/a    | n/a |               |                 |  |  |
| BCDL                  | 5.0  | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 99 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

 TOP CHORD
 2x4 SP No.1(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP SS(flat)
 TOP CHORD

WEBS 244 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

**REACTIONS** (lb/size) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3267/0. 3-4=-4529/0. 4-5=-5213/0. 5-6=-5213/0. 6-7=-5213/0. 7-8=-521

[12:0-3-8 Edge] [16:0-1-8 Edge] [17:0-1-8 Edge]

TOP CHORD 2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-5213/0, 8-9=-4551/0, 9-10=-3307/0

BOT CHORD 19-20=0/2442, 18-19=0/4050, 17-18=0/4980, 16-17=0/5213, 15-16=0/4996, 14-15=0/4996, 13-14=0/4081, 12-13=0/2489

WEBS 6-17=-309/11, 7-16=-319/20, 2-20=-2620/0, 2-19=0/1074, 3-19=-1019/0, 3-18=0/624, 4-18=-588/0, 4-17=-151/704, 10-12=-2656/0, 10-13=0/1064, 9-13=-1008/0, 9-14=0/612, 10-12=-2656/0, 10-13=0/1064, 9-13=-1008/0, 9-14=0/612, 10-12=-2656/0, 10-13=0/1064, 9-13=-1008/0, 9-14=0/612, 10-12=-2656/0, 10-13=0/1064, 9-13=-1008/0, 9-14=0/612, 10-12=-2656/0, 10-13=0/1064, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2656/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10-12=-2666/0, 10

8-14=-579/0, 8-16=-161/695

# NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

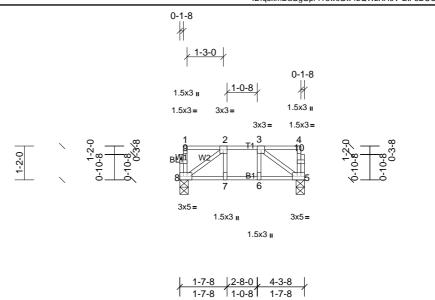


Structural wood sheathing directly applied or 4-11-5 oc purlins, except end



| Job      | Truss | Truss Type | Qty | Ply | MUNGO HOMES - MCDOWELL C 2ND FLR |
|----------|-------|------------|-----|-----|----------------------------------|
| 72436773 | F205  | Truss      | 1   | 1   | Job Reference (optional)         |

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20 Page: 1
ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-EtF5DUCtXgnXA6FxV?PyAvzn7XT5b5xI42fsUnyFgMf



Scale = 1:39.8

| Plate Offsets (X, Y): | riate Offsets (X, Y): [5:0-2-0,Εσge] |                 |                 |           |      |          |       |       |        |     |               |                 |  |  |
|-----------------------|--------------------------------------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|-----------------|--|--|
| 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        | 0.11 | Vert(LL) | 0.00  | 7-8   | >999   | 480 | MT20          | 244/190         |  |  |
| TCDL                  | 10.0                                 | Lumber DOL      | 1.00            | BC        | 0.10 | Vert(CT) | -0.01 | 7-8   | >999   | 360 |               |                 |  |  |
| BCLL                  | 0.0                                  | Rep Stress Incr | YES             | WB        | 0.06 | Horz(CT) | 0.00  | 5     | n/a    | n/a |               |                 |  |  |
| BCDL                  | 5.0                                  | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 25 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP No.2(flat)
 TOP CHORD

WEBS 2x4 SP No.3(flat)

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

OTHERS 2x4 SP No.3(flat)

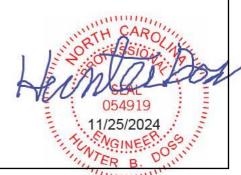
**REACTIONS** (lb/size) 5=216/0-3-8, (min. 0-1-8), 8=216/0-3-8, (min. 0-1-8)

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

3-5=-258/0, 2-8=-258/0

# WEBS NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) 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.



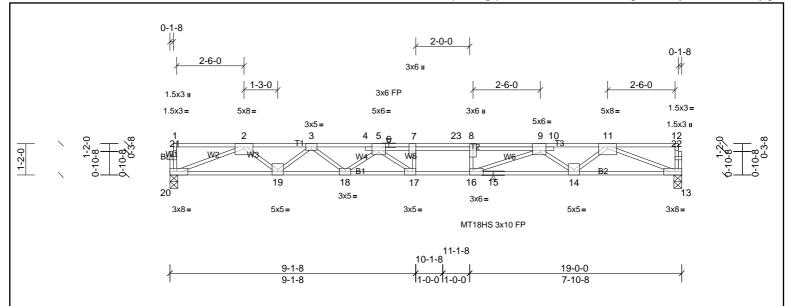
Structural wood sheathing directly applied or 4-3-8 oc purlins, except end



| Job      | Truss | Truss Type | Qty Ply N |   | MUNGO HOMES - MCDOWELL C 2ND FLR |
|----------|-------|------------|-----------|---|----------------------------------|
| 72436773 | F206  | Truss      | 16        | 1 | Job Reference (optional)         |

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20

Page: 1 ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-EtF5DUCtXgnXA6FxV?PyAvzcsXIGbu?I42fsUnyFgMf



Scale = 1:43

| Plate Offsets (X, Y): | late Offsets (X, Y): [5:0-3-0,Edge], [8:0-3-0,Edge], [9:0-2-8,Edge], [17:0-1-8,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        | 0.77 | Vert(LL) | -0.33 | 17-18 | >678   | 480 | MT18HS         | 244/190         |  |  |
| TCDL                  | 10.0   | Lumber DOL      | 1.00            | BC        | 0.79 | Vert(CT) | -0.58 | 17    | >388   | 360 | MT20           | 244/190         |  |  |
| BCLL                  | 0.0  | Rep Stress Incr | NO              | WB        | 0.89 | Horz(CT) | 0.10  | 13    | n/a    | n/a |                |                 |  |  |
| BCDL                  | 5.0  | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 101 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins, except end BOT CHORD 2x4 SP SS(flat)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS

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

REACTIONS (lb/size) 13=1374/0-3-8, (min. 0-1-8), 20=1194/0-3-8, (min. 0-1-8)

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

TOP CHORD  $2-3=-3633/0,\ 3-4=-5182/0,\ 4-5=-5163/0,\ 5-6=-6394/0,\ 6-7=-6394/0,\ 7-23=-6394/0,\ 8-23=-6394/0,\ 8-9=-6394/0,\ 9-10=-4049/0,\ 10-11=-4055/0$ 

**BOT CHORD**  $19 - 20 = 0/2701,\ 18 - 19 = 0/4524,\ 17 - 18 = 0/5850,\ 16 - 17 = 0/6394,\ 15 - 16 = 0/5096,\ 14 - 15 = 0/5096,\ 13 - 14 = 0/3030$ 

WEBS  $7-17=-598/0,\ 8-16=-498/0,\ 2-20=-2899/0,\ 2-19=0/1214,\ 3-19=-1160/0,\ 3-18=0/857,\ 5-18=-848/0,\ 5-17=0/1092,\ 11-13=-3250/0,\ 11-14=0/1334,\ 9-14=-1323/0,\ 9-16=0/1576$ 

### NOTES

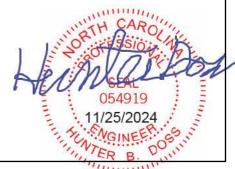
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 4) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached

#### to walls at their outer ends or restrained by other means. LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-20=-10, 1-6=-100, 6-23=-176, 12-23=-140







Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20 Page: 1

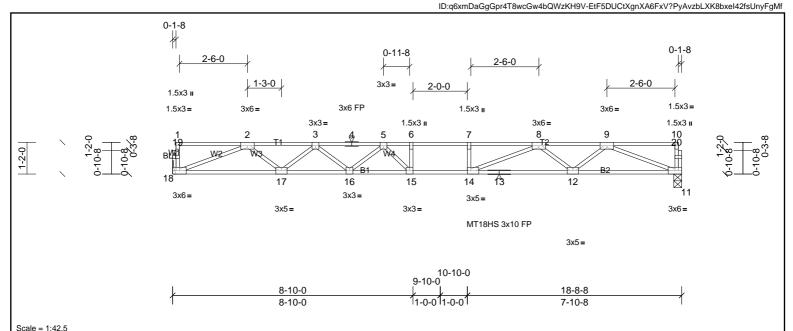


Plate Offsets (X, Y):

| 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        | 0.87 | Vert(LL) | -0.35 | 15    | >624   | 480 | MT18HS        | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC        | 0.67 | Vert(CT) | -0.49 | 15-16 | >454   | 360 | MT20          | 244/190         |
| BCLL    | 0.0   | Rep Stress Incr | YES             | WB        | 0.66 | Horz(CT) | 0.08  | 11    | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 91 lb | FT = 20%F, 12%E |

LUMBER **BRACING** 2x4 SP No.1(flat)

TOP CHORD TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end **BOT CHORD** 2x4 SP SS(flat)

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 11=1009/0-3-8, (min. 0-1-8), 18=1009/ Mechanical, (min. 0-1-8)

**FORCES** (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2957/0, 3-4=-4024/0, 4-5=-4024/0, 5-6=-4436/0, 6-7=-4436/0, 7-8=-4436/0, 8-9=-2958/0

**BOT CHORD**  $17 - 18 = 0/2233,\ 16 - 17 = 0/3640,\ 15 - 16 = 0/4368,\ 14 - 15 = 0/4436,\ 13 - 14 = 0/3636,\ 12 - 13 = 0/3636,\ 11 - 12 = 0/2234$ 

WEBS 

### NOTES

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

[14:0-1-8,Edge]

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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.





| Job      | Truss | Truss Type | Qty | Ply | MUNGO HOMES - MCDOWELL C 2ND FLR |
|----------|-------|------------|-----|-----|----------------------------------|
| 72436773 | FG1   | Truss      | 1   | 1   | Job Reference (optional)         |

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20 Page: 1

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

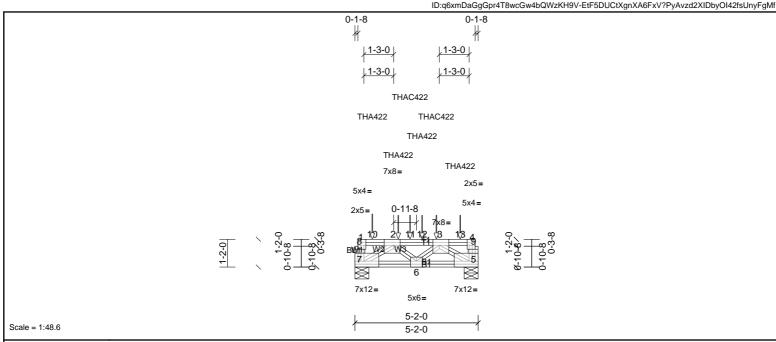


Plate Offsets (X, Y): [1:Edge,0-3-0], [2:0-3-4,Edge], [3:0-3-4,Edge], [4:0-1-8,Edge], [5:Edge,0-3-0], [6:0-3-0,Edge], [7:Edge,0-3-0], [8:0-1-8,0-0-11], [9:0-1-8,0-0-11]

| Loading | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | I/defI | L/d | PLATES        | GRIP            |
|---------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|-----------------|
| TCLL    | 40.0  | Plate Grip DOL  | 1.00            | TC        | 0.76 | Vert(LL) | -0.03 | 6     | >999   | 480 | MT20          | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC        | 0.80 | Vert(CT) | -0.04 | 6     | >999   | 360 |               |                 |
| BCLL    | 0.0   | Rep Stress Incr | NO              | WB        | 0.61 | Horz(CT) | 0.02  | 5     | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 51 lb | FT = 20%F, 12%E |

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.1(flat) Structural wood sheathing directly applied or 5-2-0 oc purlins, except end TOP CHORD **BOT CHORD** 2x4 SP No.2(flat) BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=3197/0-7-0, (min. 0-1-10), 7=3999/0-7-0, (min. 0-2-0)

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

TOP CHORD  $7-8=-1034/0,\ 1-8=-993/0,\ 5-9=-439/0,\ 4-9=-422/0,\ 2-11=-4389/0,\ 11-12=-4389/0,\ 3-12=-4389/0$ 

**BOT CHORD** 6-7=0/4585, 5-6=0/4224

WEBS 2-7=-5381/0, 2-6=-269/0, 3-5=-4998/0

### NOTES

- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 1)
- 2) 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
- 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-9-13 from the left end to 4-5-0 to connect truss(es) to front face of top chord.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 0-8-12 from the left end to connect truss(es) to back face of top chord,
- skewed 0.0 deg.to the left, sloping 0.0 deg. down.
  Use Simpson Strong-Tie THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 1-1-4 oc max. starting at 2-3-12 from the left end to 3-5-0 to
- connect truss(es) to back face of top chord. Fill all nail holes where hanger is in contact with lumber.
- 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

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 1)

Uniform Loads (lb/ft)

Vert: 5-7=-10, 1-4=-100

Concentrated Loads (lb)

Vert: 2=-909 (F), 3=-980 (B), 10=-1969 (B), 11=-980 (B), 12=-909 (F), 13=-934 (F)



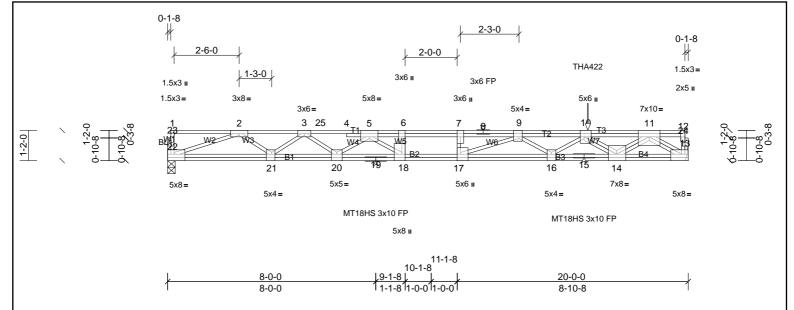


Job Truss Type MUNGO HOMES - MCDOWELL C 2ND FLR Truss Qty Ply FG2 1 72436773 Truss 1 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20

Page: 1 ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-EtF5DUCtXgnXA6FxV?PyAvzc2XKtbvVI42fsUnyFgMf



Scale = 1:44.5

[5:0-4-0,Edge], [7:0-3-0,Edge], [9:0-1-8,Edge], [10:0-3-0,Edge], [12:0-3-0,Edge], [13:Edge,0-3-0], [14:0-3-12,Edge], [16:0-2-0,Edge], [17:0-3-0,Edge], [18:0-3-0,Edge], [20:0-2-8,Edge], [21:0-1-8,Edge], [22:Edge,0-3-0] Plate Offsets (X, Y):

| Loading | (psf) | Spacing         | 1-4-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP            |
|---------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|-----------------|
| TCLL    | 40.0  | Plate Grip DOL  | 1.00            | TC        | 0.82 | Vert(LL) | -0.36 | 16-17 | >654   | 480 | MT20           | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC        | 0.69 | Vert(CT) | -0.58 | 16-17 | >406   | 360 | MT18HS         | 244/190         |
| BCLL    | 0.0   | Rep Stress Incr | NO              | WB        | 0.79 | Horz(CT) | 0.06  | 13    | n/a    | n/a |                |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 149 lb | FT = 20%F, 12%E |

LUMBER BRACING

2x4 SP No.1(flat) TOP CHORD TOP CHORD Structural wood sheathing directly applied or 4-7-7 oc purlins, except end

**BOT CHORD** 2x4 SP SS(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing WEBS 2x4 SP No.3(flat)

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 13=2027/ Mechanical, (min. 0-1-8), 22=1110/0-3-8, (min. 0-1-8)

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

2-3=-3703/0, 3-25=-5587/0, 4-25=-5587/0, 4-5=-5586/0, 5-6=-7707/0, 6-7=-7707/0, 7-8=-7707/0, 8-9=-7707/0, 9-10=-8005/0, 10-11=-5410/0 BOT CHORD 21-22=0/2776, 20-21=0/4714, 19-20=0/6607, 18-19=0/6607, 17-18=0/7707, 16-17=0/8134, 15-16=0/7767, 14-15=0/7767, 13-14=0/2941

WEBS

6-18 = -651/0, 2-22 = -2924/0, 2-21 = 0/1179, 3-21 = -1285/0, 3-20 = 0/1110, 5-20 = -1264/0, 5-18 = 0/1630, 10-16 = 0/397, 9-16 = -356/56, 9-17 = -902/485, 11-14 = 0/3062, 10-14 = -2982/0, 10-14 = -2982/0, 10-16 = 0/397, 10-16 =

11-13=-3531/0

#### NOTES

- Unbalanced floor live loads have been considered for this design. 1)
- All plates are MT20 plates unless otherwise indicated. 2)
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 3)
- 4) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means
- 6) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 16-1-12 from the left end to connect truss(es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-22=-7, 1-25=-67, 8-25=-93, 8-12=-67

Concentrated Loads (lb)

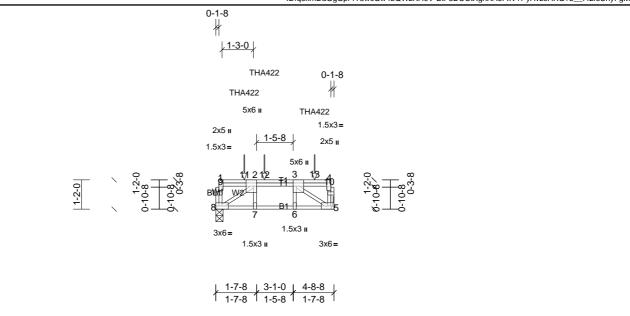
Vert: 10=-1530 (F)





| Job      | Truss | Truss Type | Qty | Ply | MUNGO HOMES - MCDOWELL C 2ND FLR |
|----------|-------|------------|-----|-----|----------------------------------|
| 72436773 | FG3   | Truss      | 1   | 1   | Job Reference (optional)         |

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:20 Page: 1
ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-EtF5DUCtXgnXA6FxV?PyAvzcHXG?b\_\_I42fsUnyFgMf



Scale = 1:46.1

| Plate Offsets (X, Y): | Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-3-0,Edge], [4:0-3-0,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        | 0.81 | Vert(LL) | -0.04 | 7-8   | >999   | 480 | MT20          | 244/190         |  |  |
| TCDL                  | 10.0   | Lumber DOL      | 1.00            | BC        | 0.94 | Vert(CT) | -0.05 | 7-8   | >999   | 360 |               |                 |  |  |
| BCLL                  | 0.0  | Rep Stress Incr | NO              | WB        | 0.51 | Horz(CT) | 0.01  | 5     | n/a    | n/a |               |                 |  |  |
| BCDL                  | 5.0  | Code            | IRC2015/TPI2014 | Matrix-SH |      |          |       |       |        |     | Weight: 32 lb | FT = 20%F, 12%E |  |  |

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat)

TOP CHORD Structural wood sheathing directly applied or 4-8-8 oc purlins, except end

BOT CHORD 2x4 SP No.2(flat) verticals.

WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

**REACTIONS** (lb/size) 5=1597/ Mechanical, (min. 0-1-8), 8=1605/0-3-8, (min. 0-1-8)

Max Grav 5=1597 (LC 1), 8=1612 (LC 3)

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

TOP CHORD 8-9=-446/0, 1-9=-445/0, 5-10=-502/28, 4-10=-501/28, 2-12=-1804/0, 3-12=-1804/0

7-8=0/1804, 6-7=0/1804, 5-6=0/1804

BOT CHORD 7-8=0/1804, 6-7=0/1804, 5-6=0/180 WEBS 3-5=-2153/0, 2-8=-2156/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) 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.

  4) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-1-10 from the left end to 3-11-4 to
- Use Simpson Strong-Tie THA422 (6-16d Girder, connect truss(es) to back face of top chord.
- 5) Fill all nail holes where hanger is in contact with lumber.
   6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 5-8=-10, 1-4=-100

Concentrated Loads (lb)

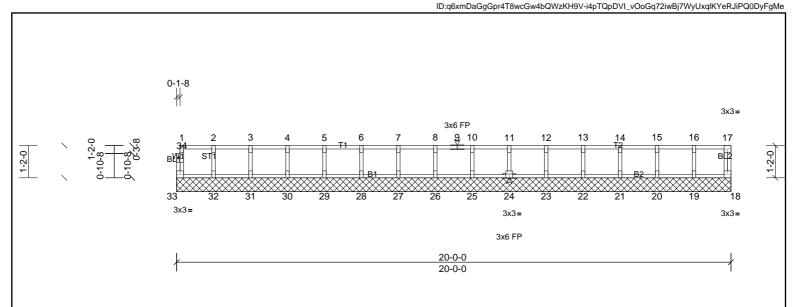
Vert: 11=-903 (B), 12=-900 (B), 13=-921 (B)







Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:21



Scale = 1:41.8

| Loading (p | osf) | Spacing         | 2-0-0           | CSI      |      | DEFL      | in   | (loc) | l/defl | L/d | PLATES        | GRIP            |
|------------|------|-----------------|-----------------|----------|------|-----------|------|-------|--------|-----|---------------|-----------------|
| TCLL 40    | 0.0  | Plate Grip DOL  | 1.00            | TC       | 0.08 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190         |
| TCDL 10    | 0.0  | Lumber DOL      | 1.00            | BC       | 0.01 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |                 |
| BCLL       | 0.0  | Rep Stress Incr | YES             | WB       | 0.03 | Horiz(TL) | 0.00 | 18    | n/a    | n/a |               |                 |
| BCDL 5     | 5.0  | Code            | IRC2015/TPI2014 | Matrix-R | l    |           |      |       |        |     | Weight: 84 lb | FT = 20%F, 12%E |

LUMBER **BRACING** TOP CHORD

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)

**BOT CHORD** 

REACTIONS All bearings 20-0-0

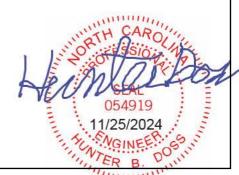
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26,

27, 28, 29, 30, 31, 32, 33

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

# NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

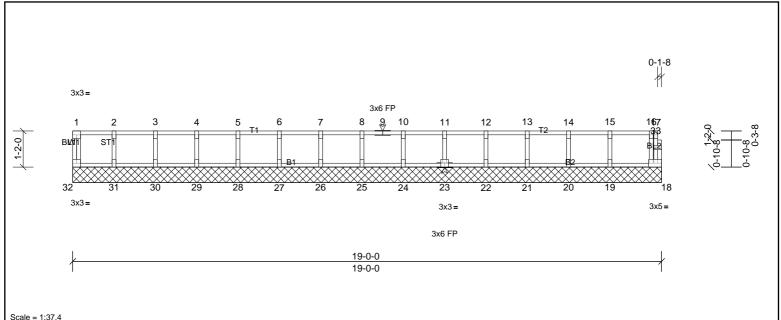
Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals





Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:21  $ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-i4pTQpDVI\_vOoGq72iwBj7WyKxqZKYcRJiPQ0DyFgMexplanes and the property of the pr$ 



| 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       | 0.09 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC       | 0.02 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |                 |
| BCLL    | 0.0   | Rep Stress Incr | YES             | WB       | 0.03 | Horiz(TL) | 0.00 | 18    | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-R |      |           |      |       |        |     | Weight: 81 lb | FT = 20%F, 12%E |

**BOT CHORD** 

LUMBER **BRACING** TOP CHORD

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) All bearings 19-0-0

All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

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

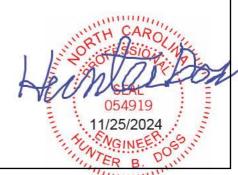
NOTES

REACTIONS

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing

(lb) - Max Grav

- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

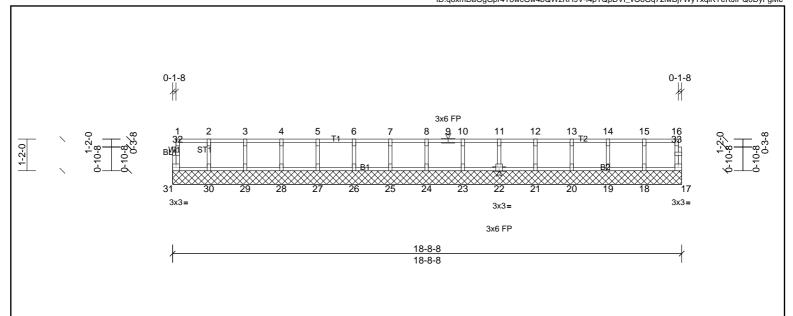
Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals





Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Nov 25 11:16:21  $ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-i4pTQpDVI\_vOoGq72iwBj7WyTxqlKYeRJiPQ0DyFgMeXpred{Mathematical contents of the contents of the$ 



Scale = 1:42.5

| 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       | 0.08 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC       | 0.01 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |                 |
| BCLL    | 0.0   | Rep Stress Incr | YES             | WB       | 0.03 | Horiz(TL) | 0.00 | 17    | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2015/TPI2014 | Matrix-R |      |           |      |       |        |     | Weight: 78 lb | FT = 20%F, 12%E |

LUMBER **BRACING** TOP CHORD

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

**BOT CHORD** 

REACTIONS All bearings 18-8-8

2x4 SP No.3(flat)

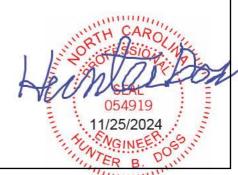
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25,

26, 27, 28, 29, 30, 31

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

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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

verticals

