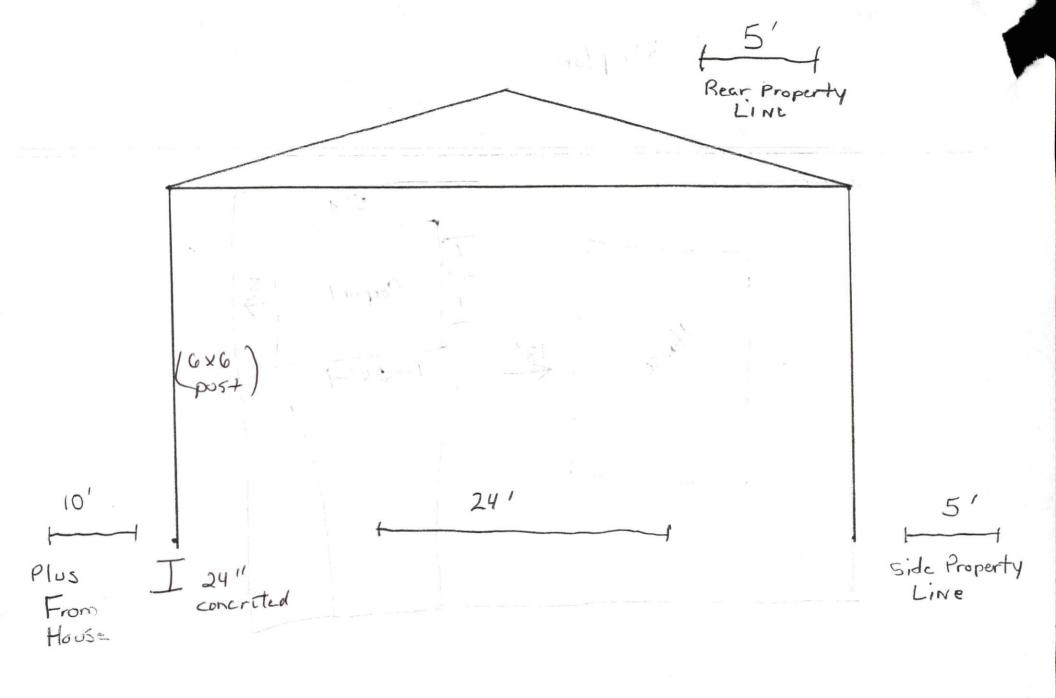
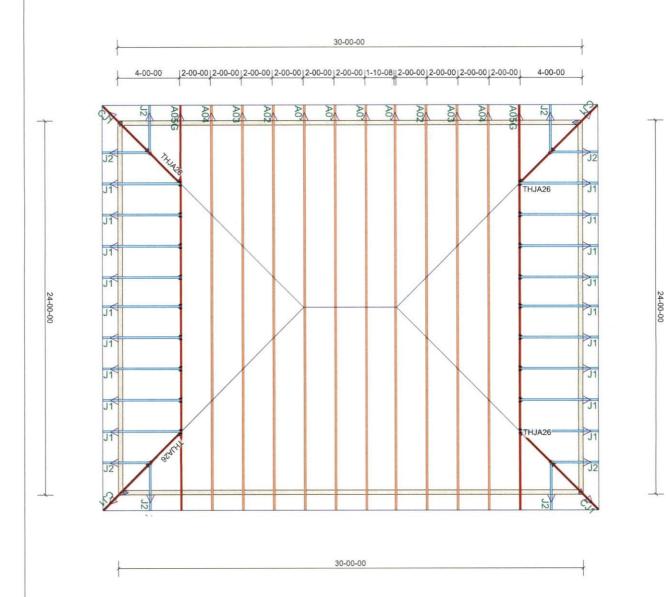


Mold 2+18





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| 12/7 | DESIGN | NOT TO | Roof | eet# | NSTALLATION F F BRACING, GE IN SE 3, THESE ARE I YOUR TE | DO NOT CUT, NOTCH, PECIFIC, WRITTEN PEI THORIZED REPRESEN | ner | on . | LARRY WOOD CARPORT | TOWNER TOWNER |
| /2023 | VED DA | O SCAL | Trus ent F | of of | REQUIRES TEMP NERAL GUIDANG ICA DOC'S INCLUDED WITH RUSS PACKET. | 250 | RE | 2383-D | LEE WOOD CARPORT | 84 Components 200 Emmett Rd |
| | H | m | is Dian | _ | EACH JOB IN E IS PROVIDED ORWAN ANNO | R BORE HOLES HISSION IS PROVIDED BY VITVE OF 84 LUMBER. | | Junn | Job# - 2301806 | Dunn NC 28334 United States Office: 770-787-8715 |

| ob · | Truss | | Truss Type | | Qty | Ply | LAR | RY WC | OD CAR | RPOR | Т | |
|-----------------------|------------------|--|------------------|---------------|--------------|----------------------|----------------|--------------|--------------|------------|-------------------|-------------------|
| 301806-07081 | A01 | | Common | | 4 | 1 | Job | Referen | nce (opti | onal) | | |
| Components, Dunn, NC | 28334 | an and the same of | | Run: 8.71 | S Oct 4 202 | 3 Print: 8.710 S | | | | | Thu Dec 07 09:56: | 17 Pa |
| | | | | | | ID:LQH08tMu | urntbL1oIE | 7ADAyF | 4mJ-pP2 | cgdQV: | S0u02Z61?4RRrk | 5o99eUP0fY44G_Bly |
| | -1-0-0 | 6-1-0 | Y | 12-0-0 | | | 17-11-0 | | | | 24-0-0 | 25-0-0 |
| | 1-0-0 | 6-1-0 | | 5-11-0 | | | 5-11-0 | | | | 6-1-0 | 1-0-0 |
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| | 4x6 | = | | 3x6= | 3x6= | | | 3x6= | | | | 4x6= |
| | | | 0.0.44 | | 4.5 | 44 F | | | | | 24-0-0 | |
| ale = 1:47.7 | - | | 8-0-11 8-0-11 | _ | | 11-5 0-10 | | + | | | 8-0-11 | |
| | T | | | | | | | | | | | |
| e Offsets (X, Y): [2: | Eage,0-1-4], [6: | Edge,0-1-4j | | | | , | | | | | | |
| nding | | pacing | 2-0-0 | CSI | 1921 1010 | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP |
| L (roof) | | late Grip DOL umber DOL | 1.15 1.15 | TC BC | 0.44 0.64 | Vert(LL) Vert(CT) | -0.17 -0.28 | 8-10 8-10 | >999 >999 | 240 180 | MT20 | 244/190 |
| DL LL | | ep Stress Incr | YES | WB | 0.64 | | 0.05 | 8-10 | >999 n/a | n/a | | |
| | | OP 11 000 11 101 | 120 | | 0.10 | . 1012(01) | 0.00 | 9 | 11114 | 111164 | | |

TOP CHORD BOT CHORD 2x4 SP No.2 2x4 SP No.2

2x4 SP No.2 *Except* W1:2x4 SP No.3 WEBS WEDGE

Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-3-6 oc purlins.

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

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size)

2=1020/0-3-8, (min. 0-1-8), 6=1020/0-3-8, (min. 0-1-8)

Max Horiz 2=109 (LC 12)

Max Uplift 2=-134 (LC 12), 6=-134 (LC 13)

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

(lb) or less except when shown.

2-17=-1619/184, 3-17=-1478/212, 3-18=-1429/214, 4-18=-1343/230,

4-19=-1343/230, 5-19=-1429/214,

5-20=-1478/212, 6-20=-1619/184

BOT CHORD 2-10=-203/1378, 9-10=-38/927,

9-21=-38/927, 21-22=-38/927, 8-22=-38/927,

6-8=-113/1378 4-8=-99/531, 5-8=-345/210, 4-10=-99/531,

WEBS 3-10=-345/210

NOTES

TOP CHORD

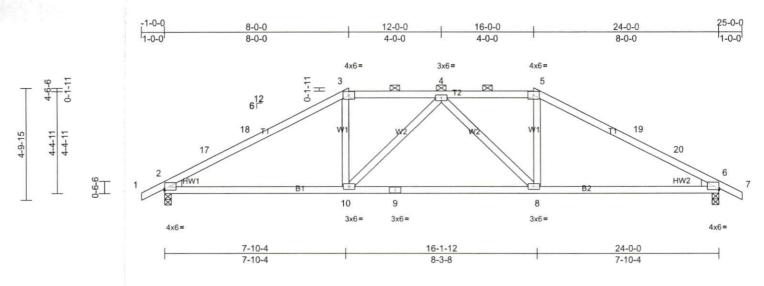
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 12-0-0, Exterior (2) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 25-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 2 and 134 lb uplift at joint 6.
- 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.

| Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---------------|-------|------------|-----|-----|--------------------------|
| 2301806-07081 | A03 | Hip | 2 | 1 | Job Reference (optional) |

Run: 8.71 S Oct 4 2023 Print: 8.710 S Oct 4 2023 MiTek Industries, Inc. Thu Dec 07 09:56:17

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Scale = 1:48.1

| Plate Offsets () | (, Y): | [2:Edge,0-0-12], | [6:Edge,0-0-12] |
|------------------|--------|------------------|-----------------|
|------------------|--------|------------------|-----------------|

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----------|----------------|----------|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.94 | Vert(LL) | 0.10 | 10-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.67 | Vert(CT) | -0.19 | 8-10 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.19 | Horz(CT) | 0.04 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | 110000000 | Weight: 108 lb | FT = 20% |

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3 WEDGE Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied,

2-0-0 oc purlins (4-11-2 max.): 3-5. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS (lb/size)

2=1020/0-3-8, (min. 0-1-8), 6=1020/0-3-8, (min. 0-1-8)

Max Horiz 2=74 (LC 12)

Max Uplift 2=-102 (LC 12), 6=-102 (LC 13)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. TOP CHORD

2-17=-1552/204, 17-18=-1457/219,

3-18=-1440/242, 3-4=-1283/273,

4-5=-1283/273, 5-19=-1440/242,

19-20=-1457/219, 6-20=-1552/204

BOT CHORD 2-10=-250/1292, 9-10=-139/1396, 8-9=-139/1396, 6-8=-115/1292

3-10=0/376, 5-8=0/376, 4-8=-278/123,

4-10=-278/123

WEBS NOTES

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

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 8-0-0, Exterior (2) 8-0-0 to 12-0-0, Interior (1) 12-0-0 to 16-0-0, Exterior (2) 16-0-0 to 20-2-15, Interior (1) 20-2-15 to 25-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2 and 102 lb uplift at joint 6.

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.

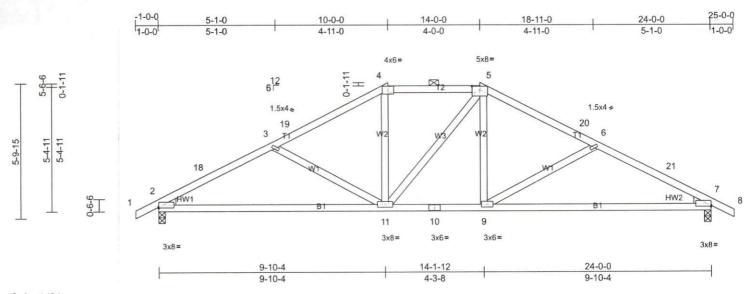
Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---------------|-------|------------|-----|-----|--------------------------|
| 2301806-07081 | A02 | Hip | 2 | 1 | Job Reference (optional) |

Run: 8.71 S Oct 4 2023 Print: 8.710 S Oct 4 2023 MiTek Industries, Inc. Thu Dec 07 09:56:17

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Page: 1



Scale = 1:48.1

| Plate Offsets (X, | Y): [2:Edge,0-0-8], | , [5:0-4-0,0-1-15], [7:Edge,0-0-8 |] |
|-------------------|---------------------|-----------------------------------|---|
|-------------------|---------------------|-----------------------------------|---|

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.31 | Vert(LL) | -0.20 | 9-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.86 | Vert(CT) | -0.41 | 9-17 | >697 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.20 | Horz(CT) | 0.05 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | | | | | | Weight: 120 lb | FT = 20% |

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD**

2x4 SP No.3 *Except* W3:2x4 SP No.2 WEBS WEDGE Left: 2x4 SP No.3

Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-5-12 oc purlins, except

2-0-0 oc purlins (5-5-2 max.): 4-5. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

2=1020/0-3-8, (min. 0-1-8), REACTIONS (lb/size)

7=1020/0-3-8, (min. 0-1-8)

Max Horiz 2=91 (LC 12)

Max Uplift 2=-120 (LC 12), 7=-120 (LC 13)

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

(lb) or less except when shown. TOP CHORD

2-18=-1623/275, 3-18=-1508/298 3-19=-1314/214, 4-19=-1243/236,

4-5=-1110/253, 5-20=-1242/236,

6-20=-1313/214, 6-21=-1508/298,

7-21=-1623/275

2-11=-209/1395, 10-11=-65/1109, **BOT CHORD**

9-10=-65/1109, 7-9=-199/1395 WEBS

3-11=-326/191, 4-11=0/341, 5-9=-9/341,

6-9=-327/191

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 10-0-0, Exterior (2) 10-0-0 to 18-2-15, Interior (1) 18-2-15 to 25-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

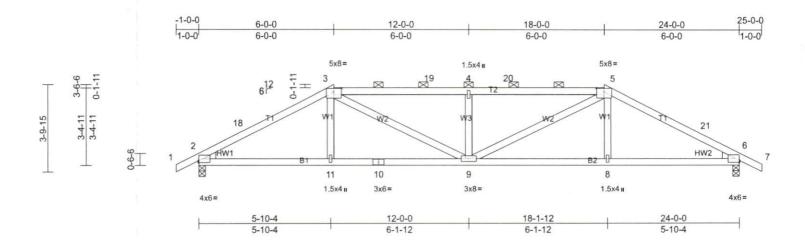
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 2 and 120 lb uplift at joint 7.

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.

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| 1 | Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---|---------------|-------|------------|-----|-----|--------------------------|
| | 2301806-07081 | A04 | Hip | 2 | 1 | Job Reference (optional) |

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Scale = 1:49.2

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP |
|-------------|-------|-----------------|-----------------|-----------|------|---------------------------------------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.52 | Vert(LL) | -0.09 | 9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.57 | Vert(CT) | -0.19 | 8-9 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.17 | Horz(CT) | 0.05 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MS | | i i i i i i i i i i i i i i i i i i i | | | | | Weight: 111 lb | FT = 20% |

LUMBER

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.2

2x4 SP No.3 *Except* W2:2x4 SP No.2 WEBS

Left: 2x4 SP No.3 WEDGE Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-1-6 oc purlins, except

2-0-0 oc purlins (3-8-4 max.): 3-5.

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

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS (lb/size)

2=1020/0-3-8, (min. 0-1-8),

Plate Offsets (X, Y): [2:Edge.0-1-0], [3:0-4-0.0-1-15], [5:0-4-0.0-1-15], [6:Edge.0-1-0]

6=1020/0-3-8, (min. 0-1-8)

Max Horiz 2=57 (LC 12)

Max Uplift 2=-81 (LC 12), 6=-81 (LC 13)

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

(lb) or less except when shown.

2-18=-1646/235, 3-18=-1559/256,

3-19=-1934/334, 4-19=-1936/334, 4-20=-1936/334, 5-20=-1934/334,

5-21=-1559/258, 6-21=-1646/231

BOT CHORD 2-11=-147/1401, 10-11=-141/1396,

9-10=-141/1396, 8-9=-150/1396,

6-8=-148/1401

WEBS 3-9=-156/692, 4-9=-445/191, 5-9=-156/692

NOTES

TOP CHORD

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 6-0-0, Exterior (2) 6-0-0 to 10-2-15, Interior (1) 10-2-15 to 18-0-0, Exterior (2) 18-0-0 to 22-2-15, Interior (1) 22-2-15 to 25-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint

2 and 81 lb uplift at joint 6.

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.

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| 1-0-0 4-0-0 5-4-9 14-7-7 20-0-0 24-0-0 NAILED NAIL | Run: 8.71 S Oct 4 2023 Print: 8.710 S Oct 4 2023 Mirds Industries, Inc. Thu Dec 07 09:56:18 FID:c2ZKY6qe4yoXmXAivQ40eOyBPN3-Hbc_uzR8DK0tgjhDZnygOxdqXZww8KgjlkOYjky 14-7-7 | Job • | Truss | Truss T | уре | | Qty | Ply | LA | ARRY WO | OOD CAR | PORT | | |
|--|---|--|------------------------|------------------------|------------------|--|---------------|---|---------|----------|------------------|--|------------|--------------|
| ## Components, Dunn, NC 28334 Run: 6.71 S Oct 4 2023 Print: 8.710 S Oct 4 2023 MTRt industries, Inc. Thu Dec 07 09:56:18 10:c22KY6ge4y0XmXhivQ4060y8PN3-Hbc_uzr88DK0tgihDZnyg0xdxXzW -1-0-0 | Run: 8.71 S Oct 4 2023 Print: 8.710 S Oct 4 2023 MiTek Industries, Inc. Thu Dec 07 09:56:18 ID:c2ZKY6qe4yoXmXAivQ40eOyBPN3-Hbc_uzR8DK0tgjhDZnygOxdqXZww8Kgilk0Yjk | 2301806-07081 | A05G | Hip Gir | rder | | 2 | 1 | Jo | b Refere | ence (optio | enal) | | |
| 1-0-0 | 14-7-7 20-1-12 24-0-0 NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED 1.5x4 3x6 = 5x6 = 5x6 = 6 2.4 | 4 Components, Dunn, NC 2 | 3334 | | | Run: 8.71 | 1 S Oct 4 202 | 3 Print: 8.710 | | | | | 7 09:56:18 | |
| NAILED NA | 5-2-13 5-2-9 NAILED NAILED | | | | | | | ID:c2ZKY6qe | 4yoXmXA | AivQ40eO | yBPN3-Hbc | _uzR8DK0tgjh[| ZnygOxdqXZ | ww8Kgilk0Yjl |
| NAILED NA | Si | | -1-0-0 | L-0-0 | 9-4-9 | | 14. | 7.7 | | 2 | 00.00 | | 24.0.0 | 25-0-0 |
| NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED THJA26 NAILED NAILE | 1.5x4 3x6 5x6 24 22 23 24 5 25 26 6 6 24 22 23 24 5 25 26 6 6 24 | | | | | | | | - | | | | | 1-0-0 |
| NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED THJA26 NAILED NAILE | 1.5x4 3x6 5x6 24 22 23 24 5 25 26 6 6 24 22 23 24 5 25 26 6 6 24 | | | | | | | | | | | | | |
| Scale = 1:48.4 Scal | 1.5x4 3x6 = 5x6 = 6 2 | | | | NAILED | N/ | AILED | NAIL | .ED | | NAILED | | | |
| THJA26 NAILED NAILED NAILED NAILED NAILED NAILED NAILED Scale = 1:48.4 3-10-4 3-4-9 14-7-7 20-1-12 24-0-0 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3 | 2 | | | NAILED | | NAILED | NAI | .ED | 1 | NAILED | | NAILED | | |
| THJA26 NAILED NAILED NAILED NAILED NAILED NAILED Scale = 1:48.4 3-10-4 3-4-9 14-7-7 20-1-12 24-0-0 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 | 21 4 22 23 24 5 25 26 6 6 22 11 28 29 30 10 31 32 9 23 24 5 25 26 6 6 24 27 28 29 30 10 31 32 9 25 26 26 6 6 26 27 28 28 29 30 10 31 32 9 27 28 28 29 30 10 31 32 9 28 28 29 30 10 31 32 9 29 30 10 31 32 9 20 20 30 30 30 30 30 30 30 30 30 30 30 30 30 | | | | | | | | | | | | | |
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| THJA26 NAILED NA | NAILED N | | 1 | 612 3 | 20 | 21 4 | | 3, 24 | | 25 | 26 | | | |
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| 13 27 12 11 28 29 30 10 31 32 9 2x4 4x6 = 4x10 = 4x6 = 2x4 THJA26 NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED Scale = 1:48.4 3-10-4 9-4-9 14-7-7 20-1-12 24-0-0 Scale = 1:48.4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 Idate Offsets (X, Y): [2:0-8-0,0-0-8], [3:0-3-0,0-2-0], [6:0-3-0,0-2-0], [7:0-8-0,0-0-8] CCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ CCDL 10.0 Rep Stress Incr NO WB 0.72 Horz(CT) -0.40 10-11 >726 180 MT20 244/ Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | 2 11 28 29 30 10 31 32 9 x6= 4x10= | 2-9- | 2 // | | | | | | | // | | | | 7 |
| 13 27 12 11 28 29 30 10 31 32 9 2x4 II 4x6 = 4x10 = 4x6 = 2x4 II THJA26 NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED Scale = 1:48.4 3-10-4 9-4-9 14-7-7 20-1-12 24-0-0 Scale = 1:48.4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 late Offsets (X, Y): [2:0-8-0,0-0-8], [3:0-3-0,0-2-0], [6:0-3-0,0-2-0], [7:0-8-0,0-0-8] Oading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defl L/d PLATES GRII CLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ CDL 10.0 Lumber DOL 1.15 BC 0.88 Vert(CT) -0.40 10-11 >726 180 Horz(CT) 0.06 7 n/a n/a Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | 2 11 28 29 30 10 31 32 9 x6= 4x10= | Tè L | 1 | 9 B1 | nn | | 0 0 | 0 0.1 | | nn | B2 _{nn} | | | A |
| THJA26 NAILED NAILED NAILED NAILED THJA26 NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAILED NAI | 3x8 = ILED | Τ | | 13 | 27 | 12 11 | 28 2 | 9 30 | 10 | 31 | | 9 | | |
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| NAILED NAILED NAILED NAILED 3-10-4 9-4-9 14-7-7 20-1-12 24-0-0 Scale = 1:48.4 5-6-5 5-2-13 5-6-5 3-10-4 Inter Offsets (X, Y): [2:0-8-0,0-0-8], [3:0-3-0,0-2-0], [6:0-3-0,0-2-0], [7:0-8-0,0-0-8] Coading (psf) CLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ CDL 10.0 CDL 10.0 Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | 14-7-7 20-1-12 24-0-0 5-2-13 5-6-5 3-10-4 SI | | 3x6= | | | | | | | | | | | 3x8= |
| 3-10-4 9-4-9 14-7-7 20-1-12 24-0-0 | 14-7-7 20-1-12 24-0-0 | | | THJA26 | | NAILED | NAI | .ED | 1 | NAILED | | THJA26 | | |
| 3-10-4 9-4-9 14-7-7 20-1-12 24-0-0 | 14-7-7 20-1-12 24-0-0 | | | | NAILED | N/ | AILED | NAIL | ED | | NAILED | | | |
| Scale = 1:48.4 3-10-4 5-6-5 5-2-13 5-6-5 3-10-4 | 5-2-13 5-6-5 3-10-4 SSI | | 3- | 10-4 | 9-4-9 | | 14- | | | 2 | | | 24-0-0 | |
| Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRII CCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ CCDL 10.0 Lumber DOL 1.15 BC 0.88 Vert(CT) -0.40 10-11 >726 180 ICLL 0.0* Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | DEFL in (loc) Vdefl L/d PLATES GRIP | Scale = 1:48.4 | | | | | | | 1 | | | | | |
| oading (psf) Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRII CLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ CDL 10.0 Lumber DOL 1.15 BC 0.88 Vert(CT) -0.40 10-11 >726 180 ICLL 0.0* Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | DEFL in (loc) Vdefl L/d PLATES GRIP | late Offsets (X, Y): [2:0- | 8-0,0-0-8], [3:0-3-0,0 |)-2-0], [6:0-3-0,0-2-0 |)], [7:0-8-0,0-0 | 0-81 | - | | | | | | | |
| FCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/ FCDL 10.0 Lumber DOL 1.15 BC 0.88 Vert(CT) -0.40 10-11 >726 180 3CLL 0.0* Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | C 0.98 Vert(LL) 0.20 10-11 >999 240 MT20 244/190 C 0.88 Vert(CT) -0.40 10-11 >726 180 Horz(CT) 0.06 7 n/a n/a Weight: 132 lb FT = 20% | oading | (psf) Spacing | n | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | I/d PLATE | S GE | PIP |
| 3CLL 0.0* Rep Stress Incr NO WB 0.72 Horz(CT) 0.06 7 n/a n/a | VB 0.72 Horz(CT) 0.06 7 n/a n/a Weight: 132 lb FT = 20% been designed for a 10.0 psf bottom | The state of the s | | | | | 0.98 | 100000000000000000000000000000000000000 | | | | | | |
| | Matrix-MS Weight: 132 lb FT = 20% been designed for a 10.0 psf bottom | | | | | A CONTRACTOR OF THE PARTY OF TH | | | | | | Transfer | | |
| Troight oz 15 7 7 | been designed for a 10.0 psf bottom | | | | | A STATE OF THE PARTY OF THE PAR | 0.72 | Horz(CT) | 0.06 | 1 | n/a | ACCOUNTY OF THE PARTY OF THE PA | 132 lb FT | = 20% |
| | | | | | | ASSESS OF THE SECOND SE | | | | | | - Tongino | | 2070 |
| UMBER 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. | nonconsument with any other live lands | | | | | | | | | | | | | |

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-5-1 oc purlins, except

2-0-0 oc purlins (2-2-12 max.): 3-6.

Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD**

bracing, Except:

8-0-12 oc bracing: 10-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1511/0-3-8, (min. 0-1-13),

7=1511/0-3-8, (min. 0-1-13)

Max Horiz 2=42 (LC 25)

Max Uplift 2=-288 (LC 8), 7=-288 (LC 9) (lb) - Max. Comp./Max. Ten. - All forces 250

FORCES (lb) or less except when shown.

TOP CHORD 2-3=-2742/586, 3-20=-3946/878,

20-21=-3946/878, 4-21=-3946/878,

4-22=-3946/878, 22-23=-3946/878,

23-24=-3946/878, 5-24=-3946/878,

5-25=-3961/882, 25-26=-3961/882,

6-26=-3961/882, 6-7=-2736/585

2-13=-502/2403, 13-27=-504/2385,

12-27=-504/2385, 11-12=-504/2385,

11-28=-838/3961, 28-29=-838/3961,

29-30=-838/3961, 10-30=-838/3961,

10-31=-481/2381, 31-32=-481/2381,

9-32=-481/2381, 7-9=-480/2398

WEBS 3-13=0/315, 3-11=-395/1719, 4-11=-453/241, 5-10=-459/244, 6-10=-401/1739, 6-9=0/309

NOTES

BOT CHORD

- Unbalanced roof live loads have been considered for this
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.

3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2 and 288 lb uplift at joint 7.

7) 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.

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Use Simpson Strong-Tie THJA26 (THJA26 on 1 ply, Left Hand Hip) or equivalent at 4-0-6 from the left end to connect truss(es) J1 (1 ply 2x4 SP), CJ1 (1 ply 2x4 SP) to front face of bottom chord.

10) Use Simpson Strong-Tie THJA26 (THJA26 on 1 ply, Right Hand Hip) or equivalent at 19-11-10 from the left end to connect truss(es) J1 (1 ply 2x4 SP), CJ1 (1 ply 2x4 SP) to front face of bottom chord.

11) Fill all nail holes where hanger is in contact with lumber.

12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d

(0.148"x3.25") toe-nails per NDS guidlines.

13) 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-3=-60, 3-6=-60, 6-8=-60, 14-17=-20

Concentrated Loads (lb)

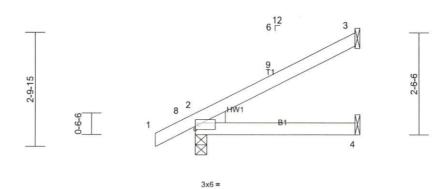
Vert: 6=-43 (F), 12=-27 (F), 13=-204 (F), 3=-43 (F), 9=-204 (F), 20=-43 (F), 21=-43 (F), 22=-43 (F), 23=-43 (F), 24=-43 (F), 25=-43 (F), 26=-43 (F), 27=-27 (F), 28=-27 (F), 29=-27 (F), 30=-27 (F), 29=-27 (F), 30=-27 (F), 30=-27

31=-27 (F), 32=-27 (F)

| Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---------------|-------|------------|-----|-----|--------------------------|
| 2301806-07081 | J1 | Jack-Open | 18 | 1 | Job Reference (optional) |

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Scale = 1:27.8

4-0-0

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|----------|--|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.22 | Vert(LL) | 0.01 | 4-7 | >999 | 240 | MT20 | 244/190 | |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.16 | Vert(CT) | -0.02 | 4-7 | >999 | 180 | | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | _ | Weight: 15 lb | FT = 20% | |

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEDGE 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-0-0 oc purlins.

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

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size)

2=225/0-3-8, (min. 0-1-8), 3=103/ Mechanical, (min. 0-1-8), 4=47/ Mechanical, (min. 0-1-8)

Max Horiz 2=93 (LC 12)

Max Uplift 2=-29 (LC 12), 3=-59 (LC 12) Max Grav 2=225 (LC 1), 3=103 (LC 1), 4=73 (LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 3-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 3 and 29 lb uplift at joint 2.
- 6) 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.

| Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---------------|-------|---------------------|-----|-----|--------------------------|
| 2301806-07081 | CJ1 | Diagonal Hip Girder | 4 | 1 | Job Reference (optional) |

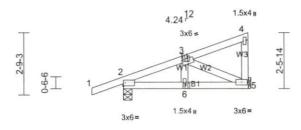
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NAILED

NAILED



NAILED

| 2-8-9 | 5-6-6 |
|-------|--------|
| 2-8-9 | 2-9-13 |

Scale = 1:49.1

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | I/defl | L/d | PLATES | GRIP |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.15 | Vert(LL) | 0.00 | 5-6 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.15 | Vert(CT) | -0.01 | 5-6 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | NO | WB | 0.06 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 27 lb | FT = 20% |

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.

BOT CHORD

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

MiTek recommends that Stabilizers and

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size)

size) 2=312/0-4-9, (min. 0-1-8), 5=205/ Mechanical, (min. 0-1-8)

Max Horiz 2=99 (LC 4)

Max Uplift 2=-86 (LC 4), 5=-52 (LC 8) (lb) - Max. Comp./Max. Ten. - All forces 250

FORCES (lb) - Max. Comp./Max. Ten. - Al

(lb) or less except when shown. ORD 2-3=-281/47

TOP CHORD 2-3=-281/47

WEBS

3-5=-261/71

- NOTES
- Wind: ASCE 7-10; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.
 II; Exp B; Enclosed; MWFRS (envelope) exterior zone;
 Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 2 and 52 lb uplift at joint 5.
- 6) 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.
- "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

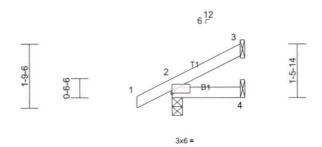
Vert: 1-4=-60, 5-7=-20 Concentrated Loads (lb) Vert: 6=-1 (F=-1, B=-1)

| Job | Truss | Truss Type | Qty | Ply | LARRY WOOD CARPORT |
|---------------|-------|------------|-----|-----|--------------------------|
| 2301806-07081 | J2 | Jack-Open | 8 | 1 | Job Reference (optional) |

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Page: 1



1-10-15

Scale = 1:31.1

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|-------------|-------|-----------------|-----------------|-----------|------|----------|------|-------|--------|-----|--------------|----------|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | 0.00 | 4-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | 0.00 | 4-7 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 8 lb | FT = 20% |

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD

Structural wood sheathing directly applied or 1-10-15 oc purlins.

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

bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS (lb/size)

2=152/0-3-8, (min. 0-1-8), 3=43/ Mechanical, (min. 0-1-8), 4=17/

Mechanical, (min. 0-1-8)

Max Horiz 2=53 (LC 12)

Max Uplift 2=-27 (LC 12), 3=-27 (LC 12)

Max Grav 2=152 (LC 1), 3=43 (LC 1), 4=33

(LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3 and 27 lb uplift at joint 2.
- 6) 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.