Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 23870 JOB: 20-4532-R01 JOB NAME: LOT 1164 CARRIAGE CIRCLE Wind Code: 37 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 23

27 Truss Design(s)

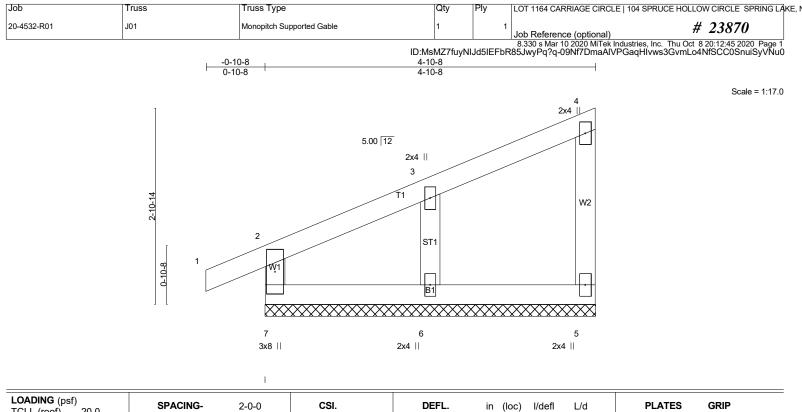
Trusses:

J01, J02, PB01, PB02, PB03, R01, R02, R02A, R03, R03A, R03B, R04, R05, R06, R07, R07A, R07B, R08, R09, R10, R11, VT01, VT02, VT03, VT04, VT05, VT06



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

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



| LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014 | CSI. TC 0.12 BC 0.08 WB 0.05 Matrix-R | (-) | in (loc) l 0.00 1 -0.00 1 0.00 5 | l/defl L/d n/r 180 n/r 80 n/a n/a | PLATES GRIP MT20 244/190 Weight: 23 lb FT = 0% |
|--|---|--|---------------------------------|--|--|---|
| LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3 | | T | RACING- OP CHORD OT CHORD | end verticals. Rigid ceiling d MiTek recom | lirectly applied or 1 nmends that Stabili during truss erectic | ly applied or 4-10-8 oc purlins, except 0-0-0 oc bracing. zers and required cross bracing n, in accordance with Stabilizer |

REACTIONS. (lb/size) 7=151/4-10-8 (min. 0-1-8), 5=76/4-10-8 (min. 0-1-8), 6=200/4-10-8 (min. 0-1-8) Max Horz 7=63(LC 14) Max Uplift7=-2(LC 10), 5=-13(LC 14), 6=-60(LC 14)

Max Grav 7=219(LC 21), 5=106(LC 21), 6=274(LC 21)

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

NOTES-(13-14)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads. Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will the CAROUS
 11) Provide mechanical connection (by others) of true tails PROFESS/ 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 7, 13 lb uplift at joint 5 and

SEAL

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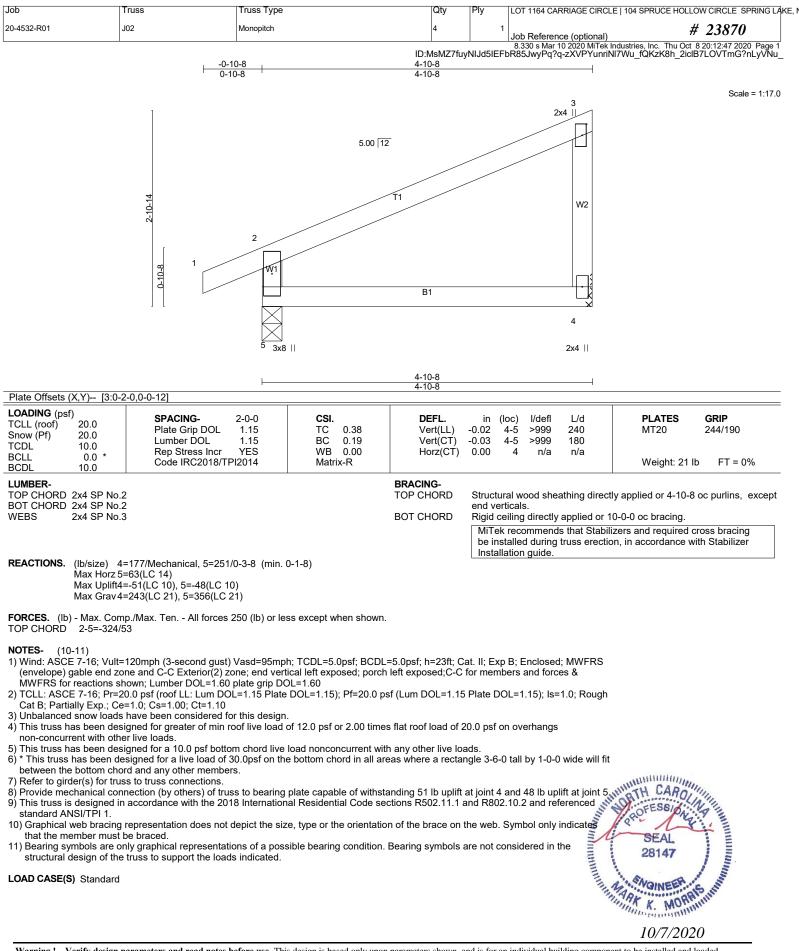
VOINEE

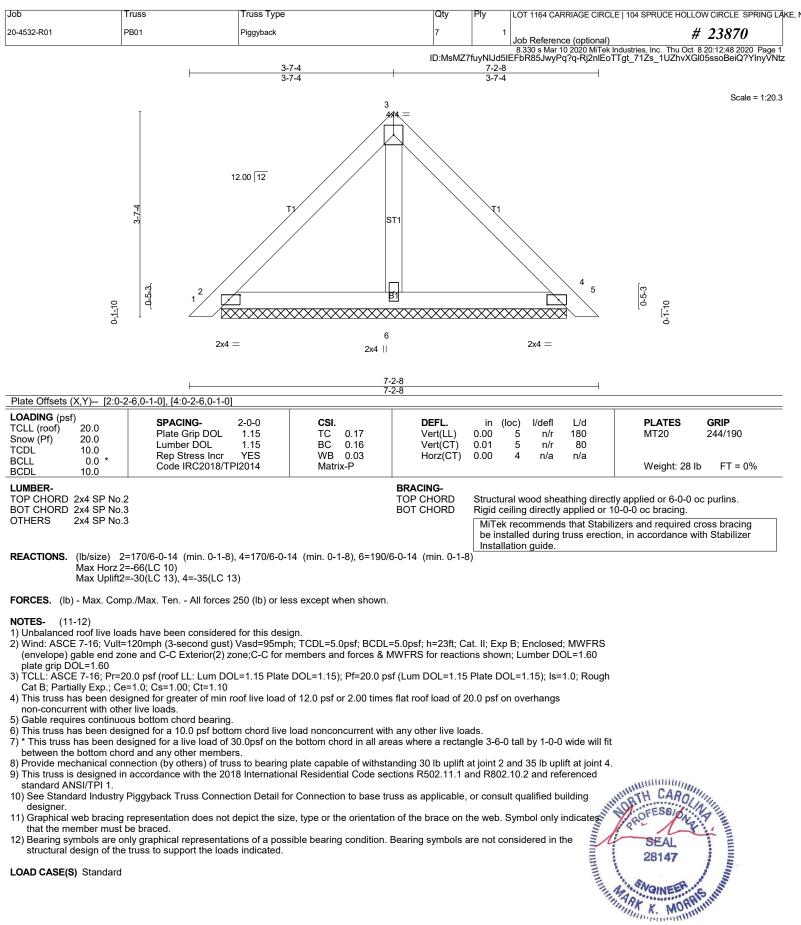
K. MORR mannet

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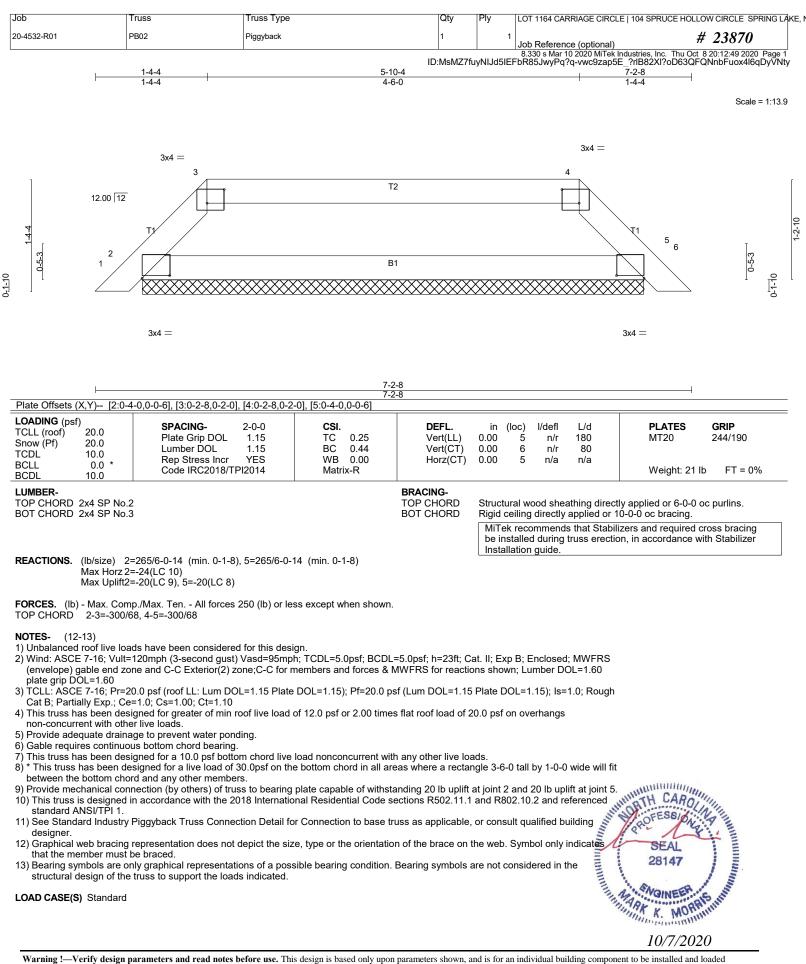
- 60 lb uplift at joint 6. 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1.
- 13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates Annunderstand that the member must be braced.
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

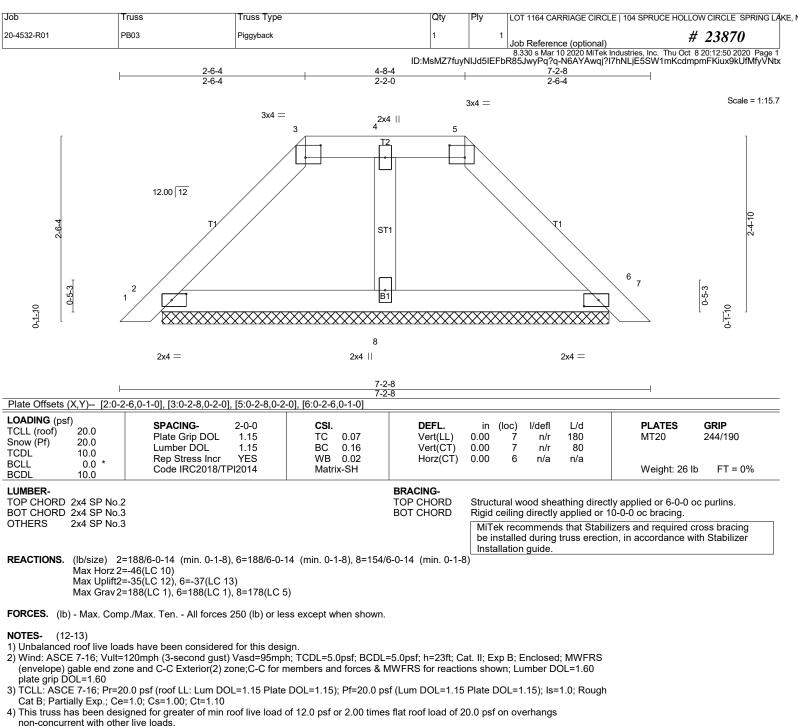




------K. MORR 10/7/2020



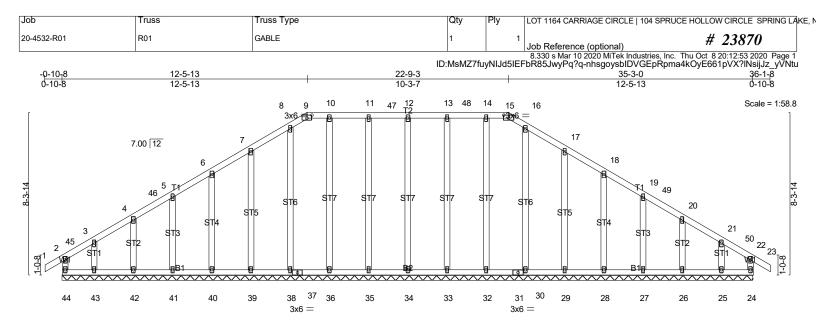
LOAD CASE(S) Standard



- 5) Provide adequate drainage to prevent water ponding.
- 3) Flovide adequate dramage to prevent water pondir
- 6) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 2 and 37 lb uplift at joint 6.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 12) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

joint 6. Ig ates SEAL 28147 10/7/2020 g component to



| Plate Offsets (X,Y) [9:0-3-0 | 0.0-1-12]. [15:0-3-0.0-1-12] | | -3-0 | | | | | |
|--|---|--|---|---|-----------------------------|-------------------------|--|-----------------------------------|
| LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 COL COL TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014 | CSI. TC 0.13 BC 0.07 WB 0.27 Matrix-R | DEFL. Vert(LL) Vert(CT) Horz(CT) | in (loc) -0.00 23 -0.00 23 0.00 24 | l/defl n/r n/r n/a | L/d 180 80 n/a | PLATES MT20 Weight: 251 lb | GRIP 244/190 FT = 0% |
| LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 | | | BRACING- TOP CHORD BOT CHORD | end vertica | ls. | 0 | ctly applied or 6-0-0 oc 6-0-0 oc bracing. | purlins, except |
| OTHERS 2x4 SP No.3 | | | | | ed during | | ilizers and required cro tion, in accordance with | |

25 2 0

REACTIONS. All bearings 35-3-0.

(lb) - Max Horz 44=-176(LC 12) Max Uplift All uplift 100 lb or less at joint(s) 44, 24, 34, 35, 36, 39, 40, 41, 42, 33, 32, 29, 28, 27, 26, 25

except 43=-106(LC 14)

Max Grav All reactions 250 lb or less at joint(s) 44, 24, 43, 25 except 34=296(LC 44), 35=299(LC 44), 36=298(LC

52), 38=297(LC 47), 39=322(LC 47), 40=324(LC 47), 41=275(LC 47), 42=259(LC 39), 33=299(LC 44), 32=296(LC

52), 30=288(LC 49), 29=324(LC 49), 28=324(LC 49), 27=274(LC 49), 26=259(LC 39)

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

NOTES-(16-17)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) I his truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a required a reasonable of the bottom chord and any other members, with BCDL = 10.0psf.
 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35, 36, 39 (14) Provide mechanical capable of withstanding 100 lb uplift at joint(s) 44, 24, 34, 35,
- 15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

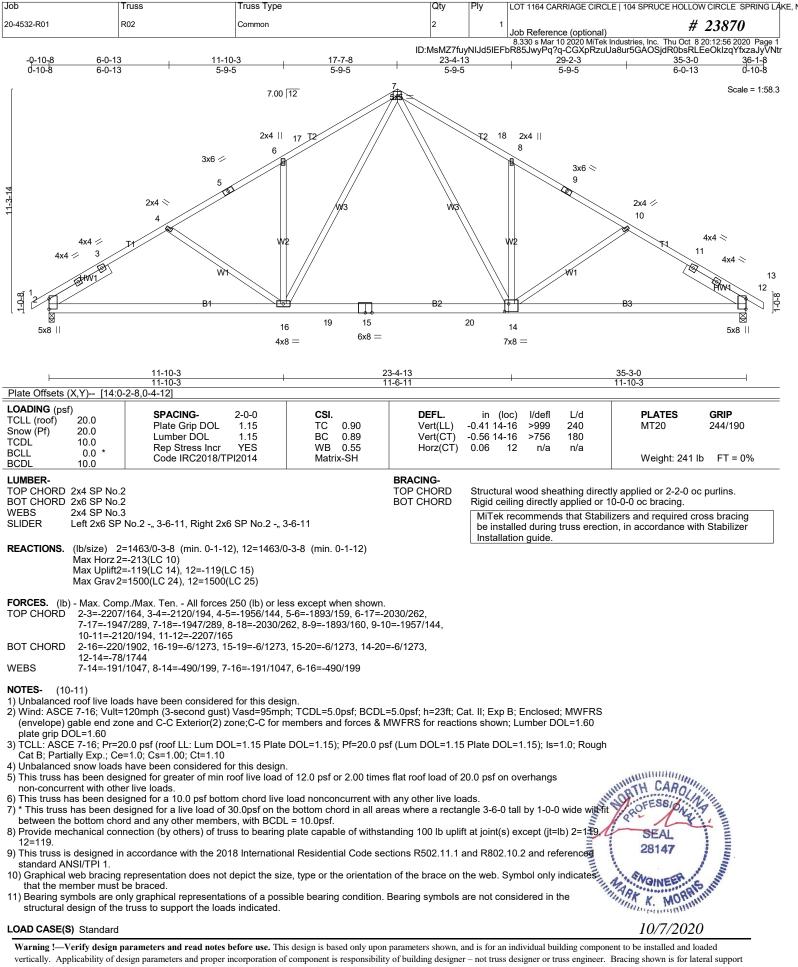
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRU | CE HOLLOW CIRCLE SPRING LA | KE, N |
|-------------|-------|------------|-----|-----|---|--------------------------------|-------|
| 20-4532-R01 | R01 | GABLE | 1 | 1 | Job Reference (optional) | # 23870 | |
| | | | | | 8 330 c Mar 10 2020 MiTok Industrias Inc. | Thu Oct 9 20:12:55 2020 Dogo 2 | |

8.330 s Mar 10 2020 Mi lek industries, inc. Thu Oct 8 20:12:55 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-k4_RDetspqm_T6bCu?6CTNJScqVz?vEgJ?CQ2tyVNts

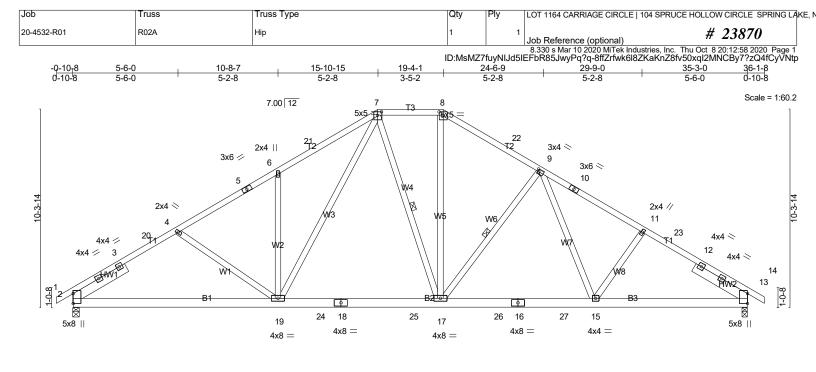
16) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 17) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





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| | 10-8-7 | <u>19-4-1</u> 8-7-10 | | 27-1-13 7-9-11 | | <u> </u> |
|--|--|---|---|--|---|---|
| Plate Offsets (X,Y) | 7:0-2-8,0-2-1], [8:0-2-8,0-2-1], [9:0-1-0,0 | | | 7-9-11 | | 0-1-3 |
| LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0 | SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Strass Incr. YES | CSI. TC 0.74 BC 0.72 WB 0.59 Matrix-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) | in (loc) l/defl -0.21 17-19 >999 -0.29 17-19 >999 0.08 13 n/a | L/d 240 180 n/a | PLATES GRIP MT20 244/190 Weight: 254 lb FT = 0% |
| LUMBER- TOP CHORD 2x4 SF T1: 2x4 BOT CHORD 2x6 SF WEBS 2x4 SF | SP SS No.2 | " 3-2-13 | BRACING- TOP CHORD BOT CHORD WEBS | Rigid ceiling directly 1 Row at midpt MiTek recommen- be installed during | y applied or 10 7-17, 9- ds that Stabiliz | |
| Max H Max U |) 2=1463/0-3-8 (min. 0-2-5), 13=1463/ orz 2=-193(LC 10) blift2=-111(LC 14), 13=-111(LC 15) av 2=1939(LC 39), 13=1939(LC 39) | 0-3-8 (min. 0-2-5) | | Installation guide. | | |
| TOP CHORD 2-3=- 6-21= 9-10= BOT CHORD 2-19= 17-20 WEBS 6-19= | Comp./Max. Ten All forces 250 (lb) or 2923/152, 3-20=-2829/168, 4-20=-2782/ -2681/243, 7-21=-2521/266, 7-8=-1716/ -2460/182, 10-11=-2687/168, 11-23=-27 -200/2358, 19-24=-7/1712, 18-24=-7/17 =-1/2148, 16-26=-1/2148, 16-27=-1/2148 -655/180, 7-19=-178/1071, 7-17=-125/29 -33/334 | 178, 4-5=-2604/135, 5-6= 169, 8-22=-1975/161, 9-2 94/164, 12-23=-2841/152 12, 18-25=-7/1712, 17-25 3, 15-27=-1/2148, 13-15= | 2=-2133/138, , 12-13=-2936/13 =-7/1712, -62/2354 | 7 | | |
| 2) Wind: ASCE 7-16; (envelope) gable ei plate grip DOL=1.6 3) TCLL: ASCE 7-16; Cat B: Partially Exc | e loads have been considered for this de /ult=120mph (3-second gust) Vasd=95m id zone and C-C Exterior(2) zone;C-C fo) Pr=20.0 psf (roof LL: Lum DOL=1.15 Pla ;; Ce=1.0; Cs=1.00; Ct=1.10 bads have been considered for this desig designed for greater of min roof live loa other live loads. rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv in designed for a live load of 30.0psf on chord and any other members, with BC connection (by others) of truss to bearir ned in accordance with the 2018 Interna 11. cing representation does not depict the so bust be braced. re only graphical representations of a po f the truss to support the loads indicated ign parameters and proper incorporation ers only. Additional temporary bracing to ensu ding designer. For general guidance regarding | nph; TCDL=5.0psf; BCDL: r members and forces & N te DOL=1.15); Pf=20.0 ps | /WFRS for reactions for Lum DOL=1.15 | ons shown; Lumber E Plate DOL=1.15); Is | DOL=1.60 =1.0; Rough | SEAL 28147 10/7/2020 |
| <u>structural design</u> Cowanuag on page 21 | f the truss to support the loads indicated ign parameters and read notes before use. T | his design is based only upon | parameters shown, a | nd is for an individual b | uilding componer | nt to be installed and loaded |
| vertically. Applicability | of design parameters and proper incorporation | of component is responsibility | y of building designer | r – not truss designer or t | russ engineer. B | bracing shown is for lateral support |
| of individual web meml | ers only. Additional temporary bracing to ensu | re stability during construction | n is the responsibility | of the erector. Addition | al permanent bra | icing of the overall structure is the |
| responsibility of the bui | ding designer. For general guidance regarding | fabrication, quality control, st | orage, delivery, erect | ion and bracing, consult | ANSI/TPI 1 Nat | ional Design Standard for Metal |

Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

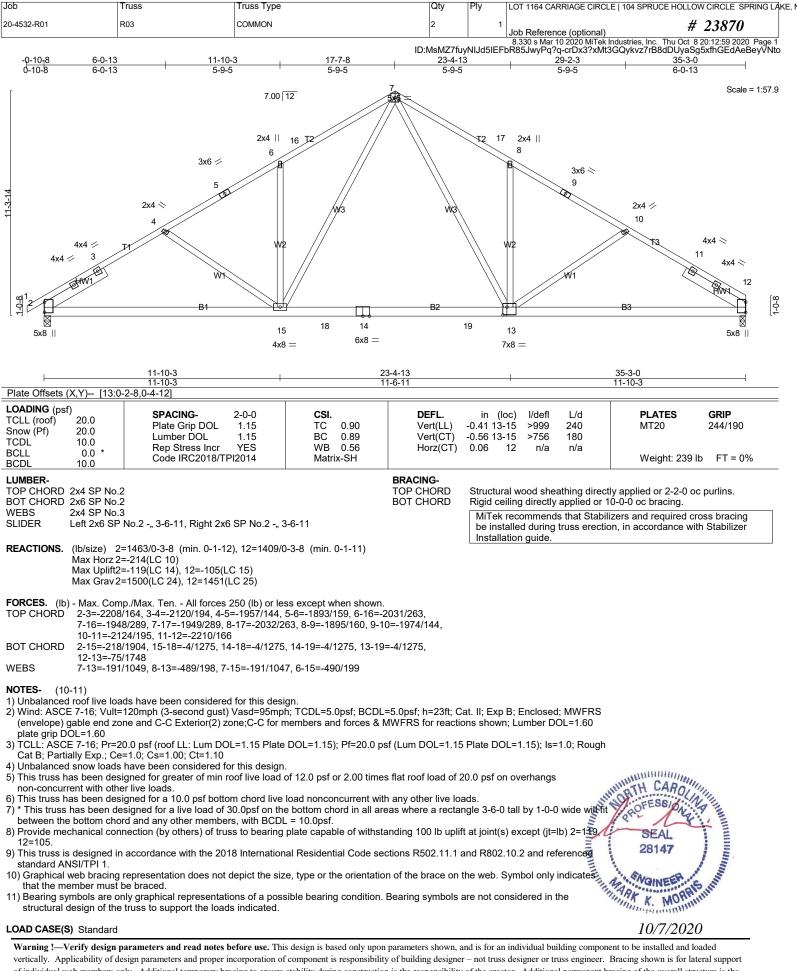
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HOLLOW CIRCLE SPRING LA | KE, N |
|-------------|-------|------------|-----|-----|---|-------|
| 20-4532-R01 | R02A | Hip | 1 | 1 | Job Reference (optional) # 23870 | |

8.330 s Mar 10 2020 MITek Industries, Inc. Thu Oct 8 20:12:59 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-crDx3?xMt3GQykvz7rB8dDU?2SicxeCGEdAeBeyVNto

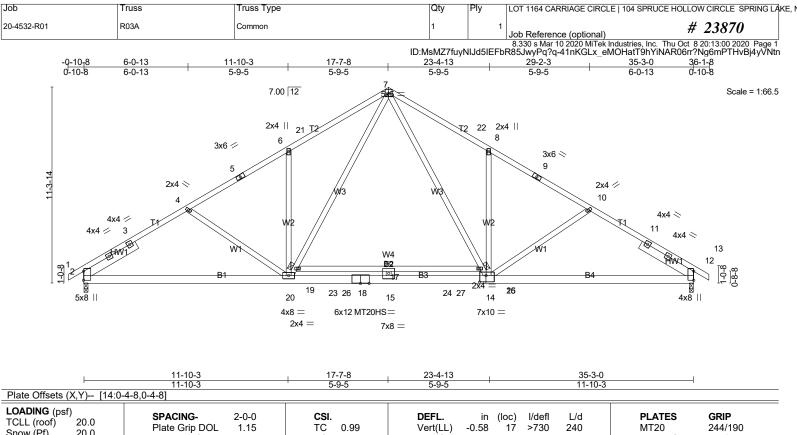
LOAD CASE(S) Standard



10/7/2020



of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



| LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014 | CSI. TC 0.99 BC 0.95 WB 0.57 Matrix-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) | in (loc) -0.58 17 -0.83 17 0.06 12 | 7 >730 240 7 >512 180 | PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 257 lb FT = 0% |
|--|---|---|---|---|--------------------------------------|--|
| LUMBER- TOP CHORD 2x4 SP No. T1: 2x4 SP BOT CHORD 2x4 SP No. B1: 2x6 SP WEBS 2x4 SP No. | No.1 2 *Except* No.1, B3: 2x6 SP DSS, B4: 2x6 SP N | 0.2 | BRACING- TOP CHORD BOT CHORD | Rigid ceilir 6-0-0 oc bi MiTek re | racing: 16-19 commends that Stabi | tly applied. 2-2-0 oc bracing. Except: izers and required cross bracing on, in accordance with Stabilizer |
| SLIDER Left 2x6 SP REACTIONS. (lb/size) 2 Max Horz 2 Max Uplift2 | No.2 -, 3-6-11, Right 2x6 SP No.2 -, 3 =1571/0-3-8 (min. 0-2-1), 12=1571/0- =-213(LC 10) =-65(LC 14), 12=-65(LC 15) =1744(LC 24), 12=1744(LC 25) | | | Installatio | | |
| TOP CHORD 2-3=-2657 7-21=-242 10-11=-25 BOT CHORD 2-20=-139 14-25=0/1 WEBS 7-16=-130 | p./Max. Ten All forces 250 (lb) or le /65, 3-4=-2568/95, 4-5=-2429/39, 5-6 4/183, 7-22=-2418/183, 8-22=-2501/1 62/95, 11-12=-2651/65 /2266, 20-23=0/1552, 18-23=0/1552, 552, 12-14=0/2103 /1311, 14-16=-158/1220, 8-14=-493/1 /196, 15-17=-365/0 | =-2365/55, 6-21=-2507/ 57, 8-9=-2360/55, 9-10 15-18=0/1552, 15-24=0 | =-2424/40, /1552, 24-25=0/1 | 552, | | |
| Wind: ASCE 7-16; Vult= (envelope) gable end zo plate grip DOL=1.60 | ds have been considered for this desi 120mph (3-second gust) Vasd=95mp ne and C-C Exterior(2) zone;C-C for r 0.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this design igned for greater of min roof live load er live loads. es unless otherwise indicated. igned for a 10.0 psf bottom chord live isigned for a live load of 30.0psf on th rd and any other members, with BCDI nection (by others) of truss to bearing in accordance with the 2018 Internation representation does not depict the size be braced. Ity graphical representations of a poss truss to support the loads indicated. arameters and read notes before use. This esign parameters and proper incorporation of w. Additional temporary bracing to ensure | h; TCDL=5.0psf; BCDL: nembers and forces & N | MWFRS for reaction | ons shown; l | Lumber DOL=1.60 | SEAL 28147 DO/T/2020 TO/7/2020 |
| vertically. Applicability of de | esign parameters and proper incorporation of | f component is responsibility | y of building designe | r – not truss de | esigner or truss engineer. | Bracing shown is for lateral support |

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

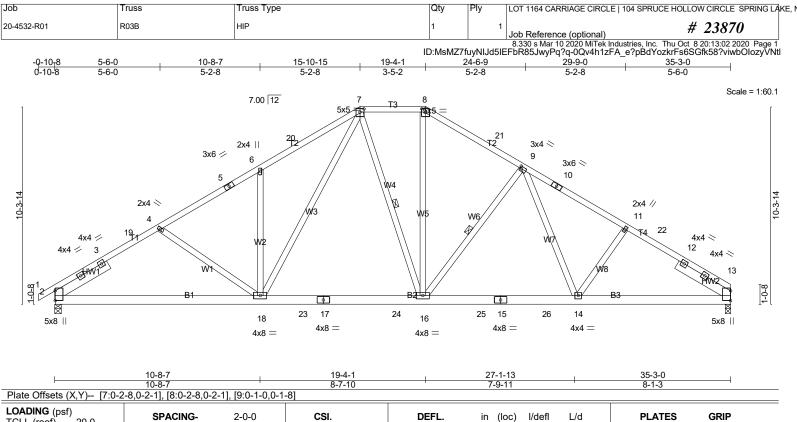
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HOLLOW CIRCLE SPRING LAK |
|-------------|-------|------------|-----|-----|--|
| 20-4532-R01 | R03A | Common | 1 | 1 | Job Reference (optional) # 23870 |

8.330 s Mar 10 2020 MiTek Industries, Inc. Thu Oct 8 20:13:01 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-YELiUhydPgW8B12MEGDcjeZHbFLcPZ0ZhxfkFXyVNtm

LOAD CASE(S) Standard



10/7/2020



| | | | | | | | | | | · | <i>,</i> |
|---|---|--|--|--------------------------------------|----------------------------------|--|---|----------------------------|---|---|---|
| | .0 Pla .0 Lu .0 Re .0 * Co | PACING- ate Grip DOL Imber DOL ep Stress Incr ode IRC2018/TF | 2-0-0 1.15 1.15 YES PI2014 | | 1.00 0.74 0.59 ix-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) | in (loc) -0.21 16-18 -0.30 16-18 0.08 13 | >999 >999 | L/d 240 180 n/a | PLATES MT20 Weight: 253 lb | GRIP 244/190 • FT = 0% |
| BCDL 10 LUMBER- TOP CHORD 2x4 T1,7 BOT CHORD 2x6 | SP No.2 *Except* 74: 2x4 SP No.1 | * | | | | BRACING- TOP CHORD BOT CHORD WEBS | | ng directly | athing direc applied or 1 7-16, 9 | 10-0-0 oc bracing. | |
| | SP No.3 2x6 SP No.2 -" 3- | -2-11, Right 2x6 | 6 SP No.2 -" 3 | 8-2-13 | | | | ed during | | lizers and required cro on, in accordance with | |
| Max | size) 2=1463/0-3 < Horz 2=-195(LC < Uplift2=-111(LC < Grav 2=1940(LC | 10) 14), 13=-97(LC | C 15) | 3-8 (min. 0 | -2-4) | | | | | | |
| 6-2 | 3=-2924/152, 3-19 20=-2683/243, 7-2 | 9=-2831/168, 4- 20=-2522/267, 7 | -19=-2784/17 7-8=-1717/16 | 8, 4-5=-260 9, 8-21=-19 | 95/135, 5-6= 977/161, 9-2 | -2380/149, 1=-2135/138, | | | | | |
| BOT CHORD 2-7 16 | 10=-2463/183, 10 18=-198/2361, 18 -25=0/2151, 15-2 18=-657/180, 7-18 | 8-23=-5/1714, 17 25=0/2151, 15-2 | , 7-23=-5/1714 ?6=0/2151, 14 | , 17-24=-5/ -26=0/2151 | 1714, 16-24 I, 13-14=-59 | /2360 | 8 | | | | |
| NOTES- (11-12) 1) Unbalanced rooi 2) Wind: ASCE 7-1 (envelope) gable plate grip DOL= 3) TCLL: ASCE 7-7 | 6; Vult=120mph (e end zone and C- 1.60 16; Pr=20.0 psf (ro | (3-second gust) -C Exterior(2) zo oof LL: Lum DO |) Vasd=95mp cone;C-C for r)L=1.15 Plate | n; TCDL=5. nembers ar DOL=1.15 | id forces & I); Pf=20.0 p | MWFRS for reactions f (Lum DOL=1.15 | ons shown; l Plate DOL= | _umber D =1.15); ls= | OL=1.60 =1.0; Rough | SEAL 28147 10/7/2020 nent to be installed and loa Bracing shown is for late | ALL DA AND DA |
| continuing on page vertically. Applicab | ility of design parameters | and read notes interest and proper i | before use. Thi | s design is ba component i | sed only upor s responsibilit | y of building designer | nd is for an in r – not truss de | dividual bu signer or t | ilding compon russ engineer. | ent to be installed and loa Bracing shown is for late | ided ral support |

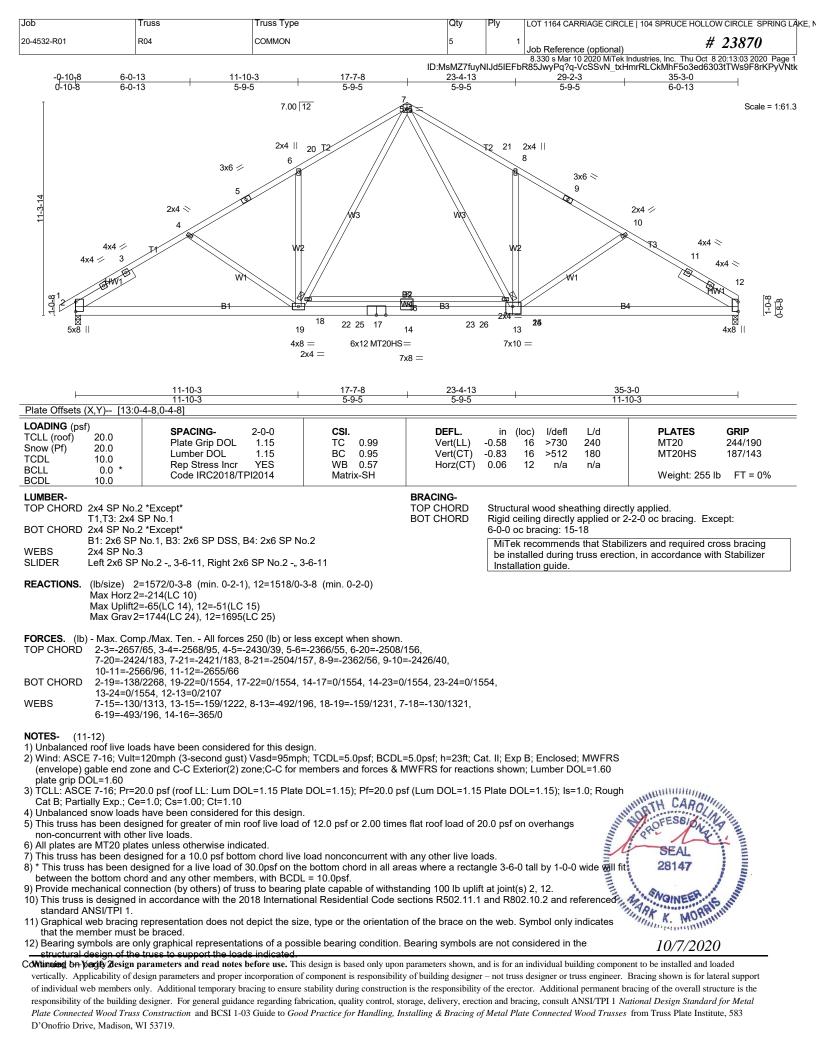
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HOLLOW CIRCLE SPRING LA | KE, N |
|-------------|-------|------------|-----|-----|---|-------|
| 20-4532-R01 | R03B | HIP | 1 | 1 | Job Reference (optional) # 23870 | |

8.330 s Mar 10 2020 MiTek Industries, Inc. Thu Oct 8 20:13:02 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-0Qv4h1zFA_e?pBdYozkrFs6SGfk58?viwbOlozyVNtl

LOAD CASE(S) Standard



10/7/2020



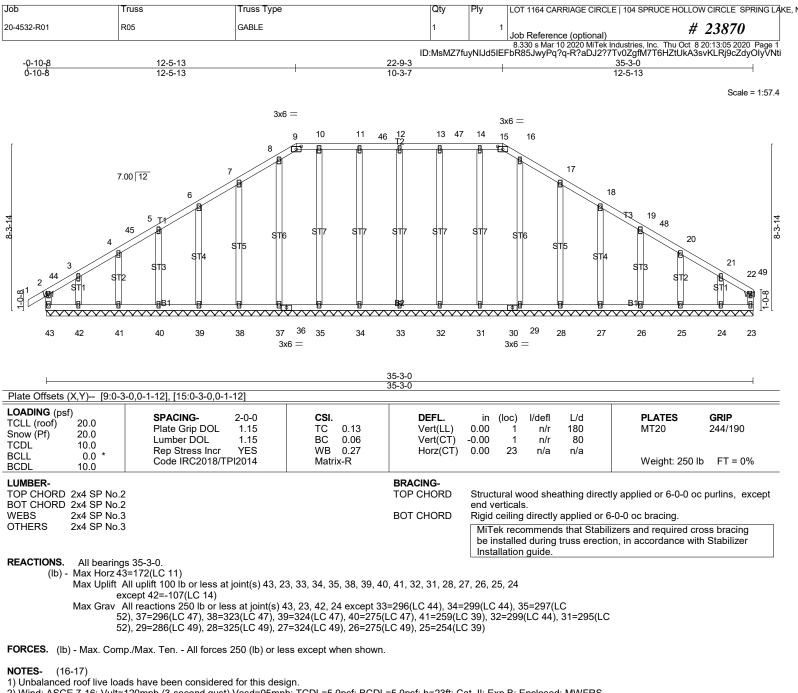
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HO | LLOW CIRCLE SPRING LA | KE, N |
|-------------|-------|------------|-----|-----|--|-----------------------|-------|
| 20-4532-R01 | R04 | COMMON | 5 | 1 | Job Reference (optional) | # 23870 | |

8.330 s Mar 10 2020 MiTek Industries, Inc. Thu Oct 8 20:13:04 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-zo0q6i_Vibui2VnwwOmKKHBosTMIcwm?NvtOsryVNtj

LOAD CASE(S) Standard



10/7/2020



- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) I his truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord in all areas where a required to a live load of 30.0psf on the bottom chord and any other members, with BCDL = 10.0psf.
 14) Provide mechanical connection (by others) of trust to bearing plate capable of withstanding 100 lb uplift at joint(s) 43, 23, 33, 34, 35, 38, 34, 35, 3
- 15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

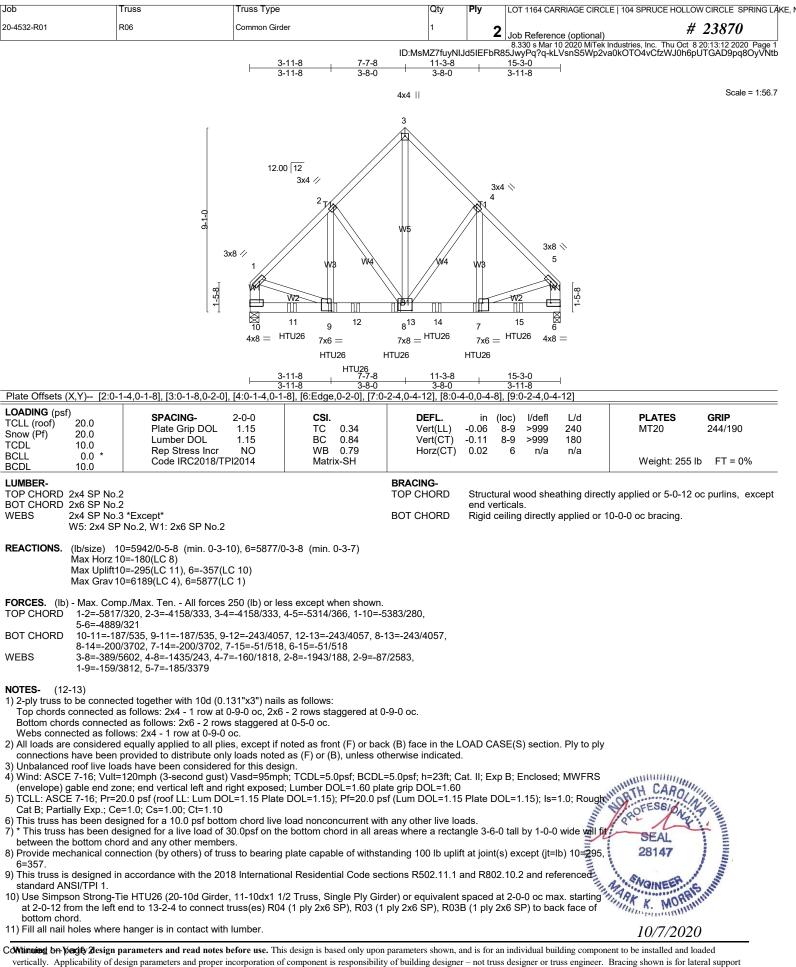
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRU | CE HOLLOW CIRCLE SPRING LA |
|-------------|-------|------------|-----|-----|---|--------------------------------|
| 20-4532-R01 | R05 | GABLE | 1 | 1 | Job Reference (optional) | # 23870 |
| | | | | | 8 330 c Mar 10 2020 MiTok Industrias Inc. | Thu Oct 9 20:12:07 2020 Dogo 2 |

8.330 s Mar 10 2020 MiTek Industries, Inc. Thu Oct 8 20:13:07 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-NNizkk1N?WGHvyWVbWK1yvpVZgbopKCR4t63TAyVNtg

16) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 17) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Trusse Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUC | E HOLLOW CIRCLE SPRING LAK |
|-------------|-------|---------------|-----|-----|---|--------------------------------|
| 20-4532-R01 | R06 | Common Girder | 1 | 2 | Job Reference (optional) | # 23870 |
| | | | | | 9 220 a Mar 10 2020 MiTak Industrian Inc. | Thu Oat 0 00.40.40 0000 Dama 0 |

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12) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

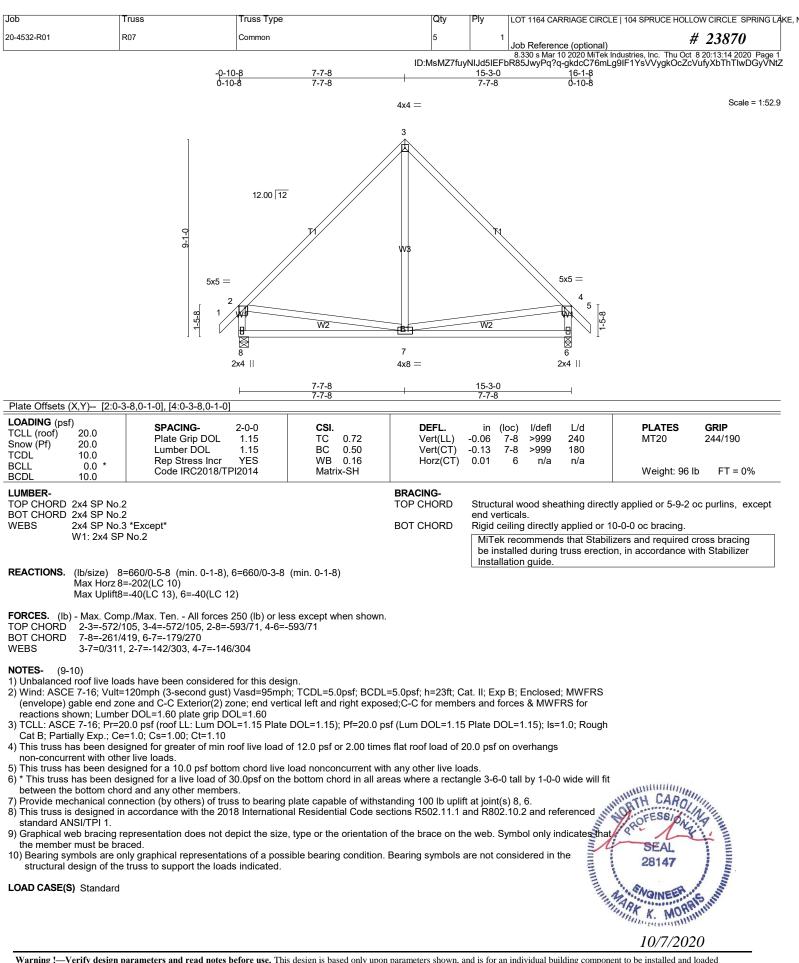
Vert: 1-3=-60, 3-5=-60, 6-10=-20

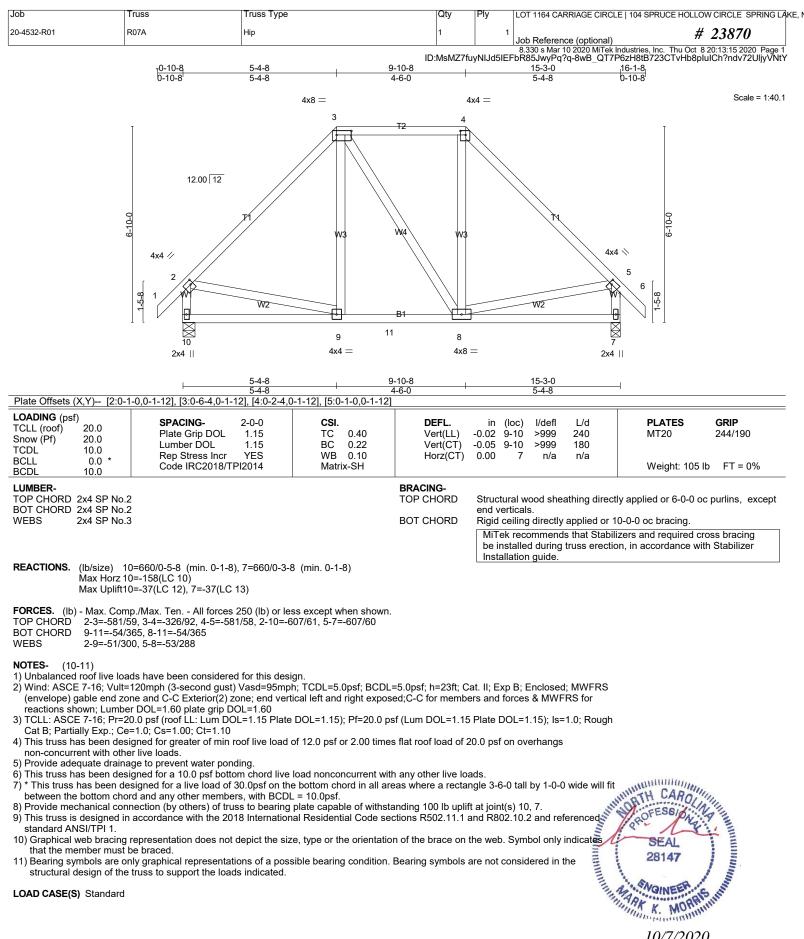
Concentrated Loads (lb)

Vert: 7=-1389(B) 9=-1498(B) 11=-1498(B) 12=-1498(B) 13=-1498(B) 14=-1389(B) 15=-1866(B)

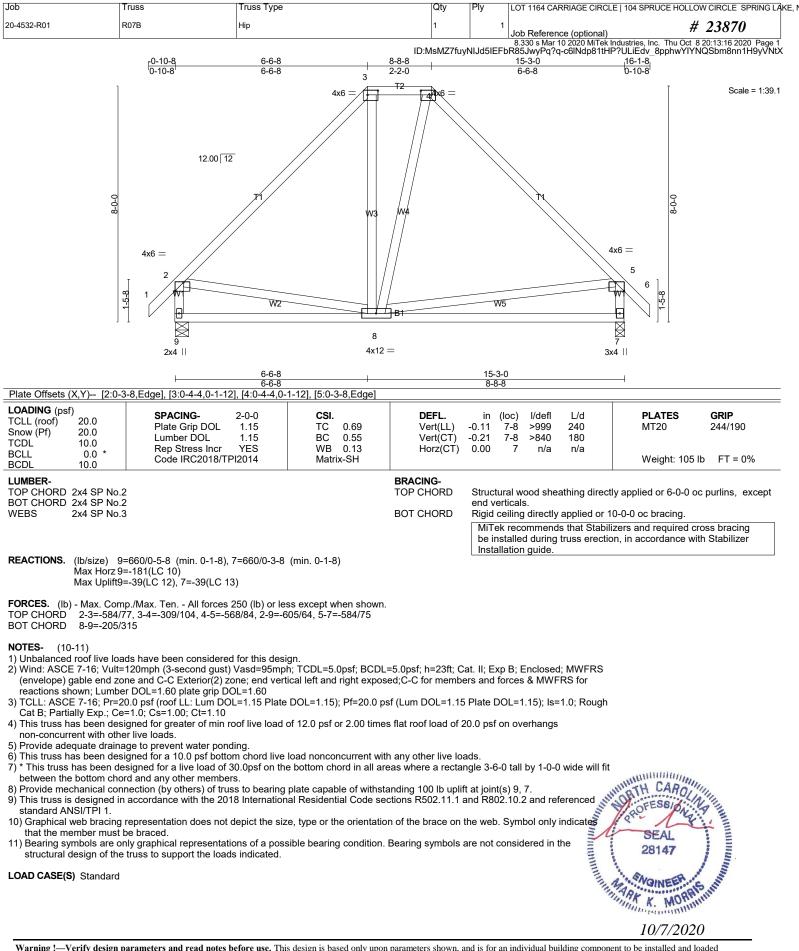


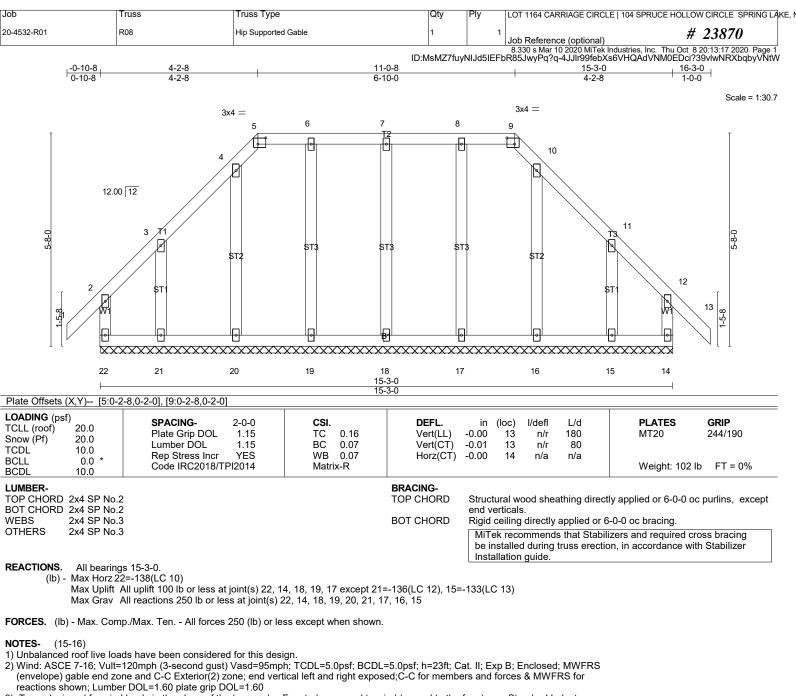
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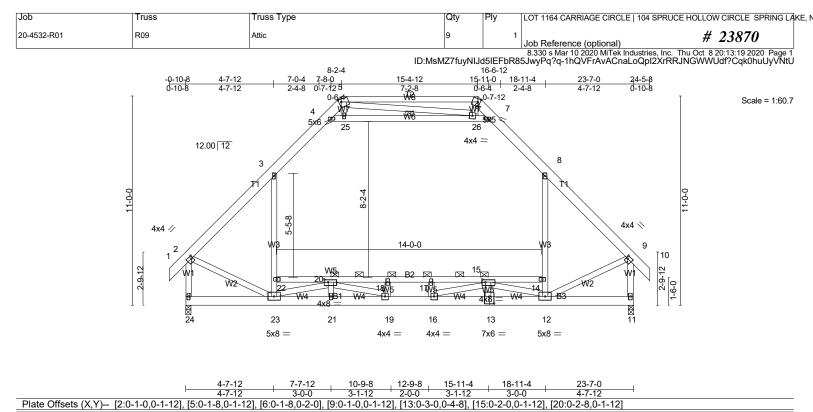




- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhands non-concurrent with other live loads

- 6) Provide adequate drainage to prevent water ponding
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 14, 18, 19, 17
- except (jt=lb) 21=136, 15=133.
- except (jt=lb) 21=136, 15=133.
 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and Rov2.10.2 an
- 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.



| LOADING (p TCLL (roof) Snow (Pf) TCDL BCLL BCDL | sf) 20.0 20.0 10.0 0.0 * 10.0 | SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014 | CSI. TC 0.92 BC 0.78 WB 0.72 Matrix-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) Attic | in (loc) l/de -0.23 17-18 >99 -0.36 17-18 >77 0.04 11 n/ -0.13 14-22 128 | 9 240 7 180 ′a n/a | PLATES MT20 Weight: 234 lb | GRIP 244/190 FT = 0% | | | |
|--|--|---|---|--|---|--------------------------|---|-----------------------------------|--|--|--|
| LUMBER- | | | | BRACING- | | | | | | | |
| TOP CHORE | 2x6 SP No.2 T2: 2x4 SP I | | | TOP CHORD | Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. | | | | | | |
| BOT CHORD 2x6 SP No.2 *Except* | | | | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. Except: | | | | | | |
| B2: 2x4 SP No.3 | | | | | 2-9-0 oc bracing: | | | | | | |
| WEBS | WEBS 2x4 SP No.3 *Except* | | | | 3-0-0 oc bracing: 17-18 | | | | | | |
| | W3,W6: 2x4 SP No.2 | | | | 6-0-0 oc bracing: | , | | | | | |
| | | | WEBS | 1 Row at midpt 4-7 | | | | | | | |
| | | | JOINTS | 1 Brace at Jt(s): 17, 18, 20, 15 | | | | | | | |
| | | | | | | | lizers and required cro on, in accordance with | U | | | |

Installation guide.

28147

VOINE K. MORY

10/7/2020

```
REACTIONS. (lb/size) 24=1207/0-3-8 (min. 0-1-12), 11=1207/0-3-8 (min. 0-1-12)
             Max Horz 24=-250(LC 10)
             Max Grav 24=1510(LC 3), 11=1510(LC 3)
```

18-20=-2444/0, 17-18=-2444/0, 15-17=-2444/0

NOTES-(13-14)

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

Benchon (2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for CARO
 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough CARO
 This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 2.00 times flat r

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15), FI=20.0 psi (Lum DOL
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15), FI=20.0 psi (Lum DOL
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will the between the bottom chord and any other members.

9) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-25, 25-26, 7-26

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 20-22, 18-20, 17-18, 15-17, 14-15

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

TOP CHORD 2-3=-1287/0, 3-4=-858/68, 4-5=-387/197, 5-6=-216/602, 6-7=-369/281, 7-8=-859/69, 8-9=-1286/0, 2-24=-1476/0, 9-11=-1474/0

BOT CHORD 23-24=-232/271, 21-23=0/2378, 19-21=0/2378, 16-19=0/3127, 13-16=0/2349, 12-13=0/2349,

WEBS 22-23=-30/458, 3-22=-1/584, 12-14=-32/456, 8-14=-4/582, 4-25=-1228/170,

^{25-26=-1210/175, 7-26=-1308/183, 2-23=-10/875, 9-12=-11/880, 20-23=-1785/0,} 19-20=-79/864, 15-16=-85/872, 12-15=-1784/0

| J | ob | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUC | E HOLLOW CIRCLE SPRING LAKE, |
|----|------------|-------|------------|-----|-----|---|---------------------------------|
| 20 | 0-4532-R01 | R09 | Attic | 9 | 1 | Job Reference (optional) | # 23870 |
| | | | | | | 8 330 s Mar 10 2020 MiTek Industries Inc. | Thu Oct. 8 20:13:10 2020 Page 2 |

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NOTES- (13-14)

11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

12) Attic room checked for L/360 deflection.

13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



10/7/2020

| Job | Tru | SS | Truss Type | | Qty | Ply LO | T 1164 CARRIAGE CIRCL | E 104 SPRUCE HOLLOW CIRCLE SPRING L |
|--------------------------------------|---|--|--|---|---|---|---|--|
| 20-4532-R01 | R10 | 1 | GABLE | | 1 | 1 | b Reference (optional) | # 23870 |
| | | | | | ID:MsMZ7ft | 8. | 330 s Mar 10 2020 MiTek | Industries, Inc. Thu Oct 8 20:13:20 2020 Page 7 WvRzy??sl34_frcEv06MCUM3OIFQwyVNt |
| | | -Q <u>-10-8 4-7-12</u> 0-10-8 4-7-12 | 7-0-4 | 8-4-8 7-8-0 0-7-12 8 | | 16-6-12 5-11 ₁ 0 18-11 0-8-8 2-4-8 | | <u>24-5-8</u> 0-10-8 |
| | ſ | 0-10-8 4-7-12 | | $4x6 \stackrel{0-87}{=} \qquad \qquad$ | | 0-7-12 | 4-7-12 | Scale = 1:59.2 |
| | | | 6 4x4 = | | <u>9</u> ₩3 59 3 42 44 | 4x61 4x4 = | | |
| | | 12.00 12 | | | 77 77 | | | |
| | | · | 5 | | | | 13 | |
| | 4 | 4 | 71 | - | | | | 4 |
| | 11-2-4 | | | 8-2-4 | | | | 11-2-4 |
| | 3> | 3 (4 Ø | 5-5-8 | | | | | 3x4 |
| | Т | | ST2 W2 | | 1 ჭ- ტვ0 | | W2 ST2 | 16 |
| | 2-9-12 | W1 ST1 | | sta sta | - XB2 - XF13 | SI3 SI3 | ST1 | |
| | 2-9 | | 37 ⁶ 35 | 33 31 31 31 31 31 31 31 31 31 31 31 31 3 | 29 ⁰ 28 ⁰ | | | |
| | l I | 4x4 | ***** | ***** | ***** | XXXXXXXX | ***** | 4x4 |
| | | 41 40 | 39 38 36 | 34 32 | 30 27 | 25 24 7x6 = | 21 20 19 | 18 |
| | | | | | | 1.0 - | | |
| | | 4-7-12 4-7-12 | | 15-11-0 11-3-4 |) | <u>18-11-4</u> 3-0-4 | <u>23-7-0</u> 4-7-12 | |
| Plate Offsets (X,Y LOADING (psf) | Y) [2:0-2-0 | ,0-1-4], [6:0-2-0,0-0-4] | , [7:0-4-8,0-0-0] | | | 6:0-2-0,0-1-4], | | |
| TCLL (roof) 2 | 20.0 | SPACING- Plate Grip DOL | 2-0-0 1.15 | CSI. TC 0.65 | DEFL. Vert(LL) | in (loc) -0.00 13 | l/defl L/d >999 240 | PLATES GRIP MT20 244/190 |
| TCDL 1 | 0.0 * | Lumber DOL Rep Stress Incr | 1.15 YES | BC 0.17 WB 0.33 | Vert(CT) Horz(CT) | | >999 180 n/a n/a | |
| BCDL 1 | 0.0 | Code IRC2018/TF | PI2014 | Matrix-SH | | | | Weight: 232 lb FT = 0% |
| LUMBER- TOP CHORD 2x6 | | | | | BRACING- TOP CHORD | | | tly applied or 6-0-0 oc purlins, except |
| | 2: 2x4 SP No | .3 | | | BOT CHORD | | g directly applied or 1 | |
| W1 | 4 SP No.2 *I 1: 2x4 SP No | | | | JOINTS | | Jt(s): 42, 29, 43, 31, 3 commends that Stabil | 35, 44, 28, 23, 33 izers and required cross bracing |
| | 4 SP No.3 | | | | | be installe Installation | | on, in accordance with Stabilizer |
| | All bearings 2 ax Horz 41=- | | | | | | | |
| | . 40=- | uplift 100 lb or less at -262(LC 12), 20=-119(| LC 12), 19=-26 | 0(LC 13) | | | | |
| Ma | | reactions 250 lb or les 733(LC 31), 21=736(L0 | | | | | C 26), | |
| | | Max. Ten All forces | | | | | | |
| 1 | 10-11=-750/5 | 6, 5-6=-439/122, 6-7=-7 58, 11-12=-725/87, 12- | | | | | | |
| WEBS 3 | | 5, 5-37=-740/79, 21-2 | 2=-744/67, 13-2 | 22=-740/75, 6-43=0 |)/630, 42-43=0/630 |), | | |
| 4 NOTES- (16-17 | | , 12-44=0/630 | | | | | | |
| 1) Unbalanced roo | of live loads | have been considered Omph (3-second gust) | | |) -5 Opof: b-22ft: (| Cat III: Evp P: | Epologod: MM/ERS | |
| (envelope) gab | ole end zone | and C-C Exterior(2) zo | one; end vertica | al left and right expo | osed;C-C for memb | pers and force | s & MWFRS for | |
| 3) Truss designer | ed for wind lo | ads in the plane of the | truss only. Fo | or studs exposed to | wind (normal to the | e face), see St | andard Industry | WINNER CARA |
| 4) TCLL: ASCE 7- | /-16; Pr=20.0 | DOL=1.60 plate grip DC ads in the plane of the cable, or consult qualif 0 psf (roof LL: Lum DO .0; Cs=1.00; Ct=1.10 led for greater of min n ive loads. to prevent water pond less otherwise indicate 0 oc. led for a 10.0 psf botto igned for a 10.0 psf botto ord and any other men o on member(s). 5-6.1 | L=1.15 Plate D | OL=1.15); Pf=20.0 | psf (Lum DOL=1.1 | 5 Plate DOL= | 1.15); Is=1.0; Rough | OFESSID |
| 5) This truss has | been design | ied for greater of min r | oof live load of | 12.0 psf or 2.00 tim | nes flat roof load of | 20.0 psf on o | verhangs | are la |
| 6) Provide adequa | ate drainage | to prevent water pond | ling. | | | | Thun, | 28147 |
| 8) Gable studs sp | been design | 0 oc. | m chard live lo | ad nonconcurrent w | vith any other live k | ade | HIIII | |
| 10) * This truss has fit between the | as been des | igned for a live load of | 30.0psf on the | bottom chord in all $= 10.0$ pcf | areas where a rec | tangle 3-6-0 ta | all by 1-0-0 wide with | A VOINEER ARS INT |
| 11) Ceiling dead I | load (5.0 psf |) on member(s). 5-6, 1 | 2-13, 6-43, 42- | -43, 42-44, 12-44 | applied only to room | n 35-37 33 3 | 5 31-33 20-21 | Manager Multim |
| 28-29, 26-28, | , 23-26, 22-2 | 3 | | ieau ioau (0.0 psi) a | applied only to roof | n. 33-37, 33-3 | ७, ७१-७७, ४४-७१, | SEAL 28147 DO/T/2020 TO/T/2020 Tent to be installed and loaded Bracing shown is for lateral support racing of the overall structure is the |
| Continuing on period | fy 2lesign par ability of desig | ameters and read notes h in parameters and proper in | before use. This d neorporation of co | lesign is based only up omponent is responsibi | on parameters shown, lity of building design | and is for an ind er – not truss des | lividual building compon signer or truss engineer. | ent to be installed and loaded Bracing shown is for lateral support |
| of individual web r | members only. | Additional temporary bra | acing to ensure sta | ability during construct | ion is the responsibilit | ty of the erector. | Additional permanent b | bracing of the overall structure is the |

of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HOLLOW CIRCLE SPRING LAKE, 1 | | |
|---|-------|------------|-----|-----|--|--|--|
| 20-4532-R01 | R10 | GABLE | 1 | 1 | Job Reference (optional) # 23870 | | |
| 8.330 s Mar 10 2020 MiTek Industries, Inc. Thu Oct 8 20:13:21 2020 Page 2 ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-z4YGgXC9ip1lb6aCPTaJWsOn_JML5fkVl2VozMyVNtS | | | | | | | |

NOTES-(16-17)

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 38, 21 except (jt=lb) 41=227, 18=222, 39=119, 40=262, 20=119, 19=260.

14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

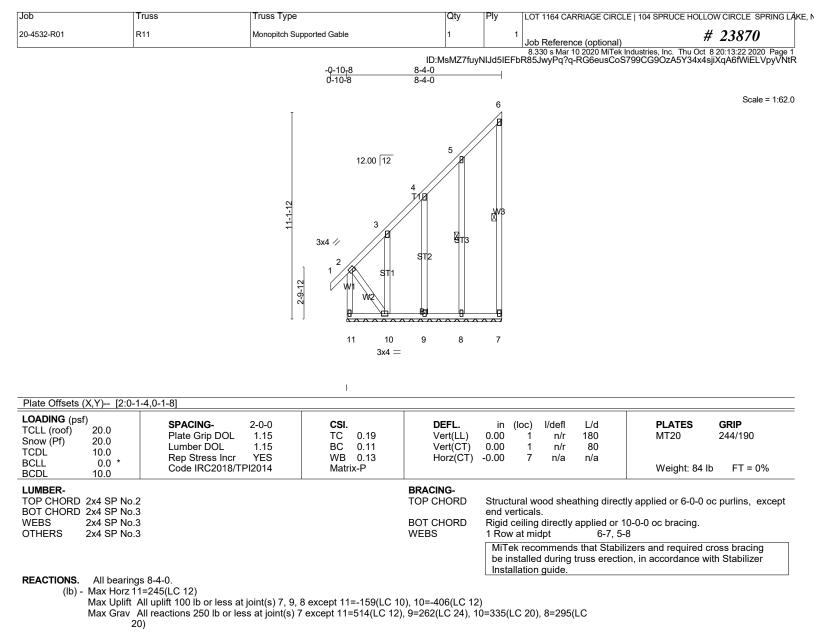
15) Attic room checked for L/360 deflection.

16) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 17) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the

loads indicated. LOAD CASE(S) Standard



10/7/2020



- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown.
- TOP CHORD 2-11=-506/391. 2-3=-307/254
- BOT CHORD 10-11=-258/200
- WEBS 2-10=-327/422

NOTES-(13-14)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough
- Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will
- fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 9, 8 except (jt=1) 11=159. 10=406.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

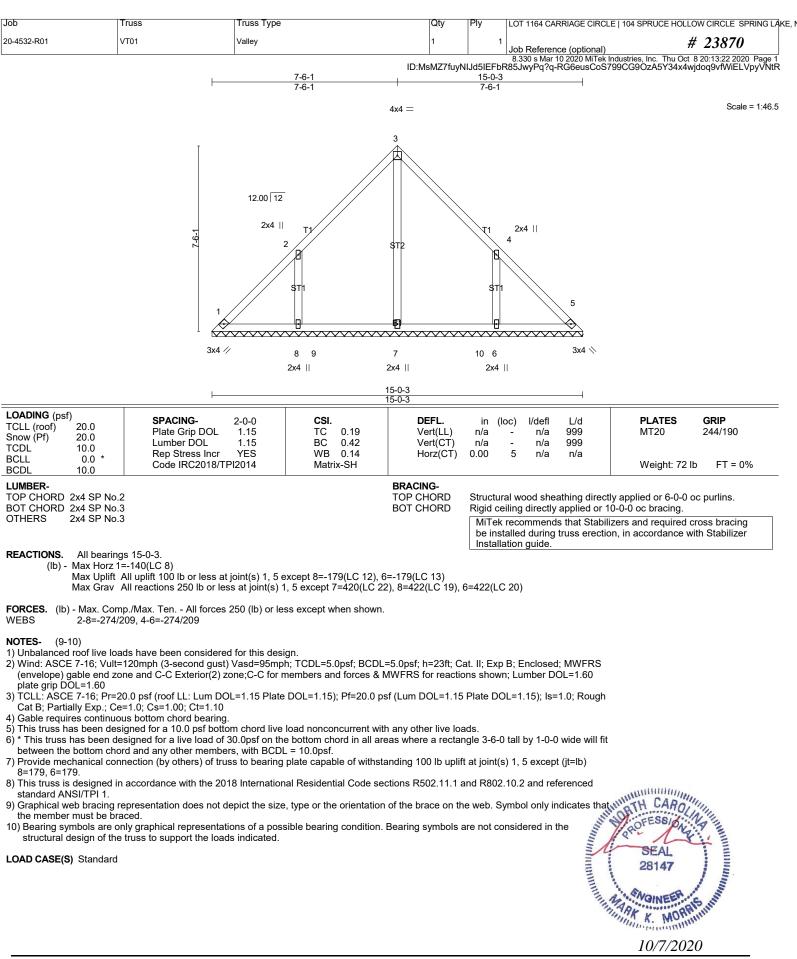
| Job | Truss | Truss Type | Qty | Ply | LOT 1164 CARRIAGE CIRCLE 104 SPRUCE HOLLOW CIRCLE SPRIN | IG LAKE, I |
|-------------|-------|---------------------------|-----|-----|--|------------|
| 20-4532-R01 | R11 | Monopitch Supported Gable | 1 | 1 | Job Reference (optional) # 23870 | |
| | | | | | 8 330 s Mar 10 2020 MiTek Industries Inc. Thu Oct 8 20:13:22 2020 Pa | ide 2 |

ID:MsMZ7fuyNIJd5IEFbR85JwyPq?q-RG6eusCoS799CG9OzA5Y34x4sjiXqA6fWiELVpyVNtR

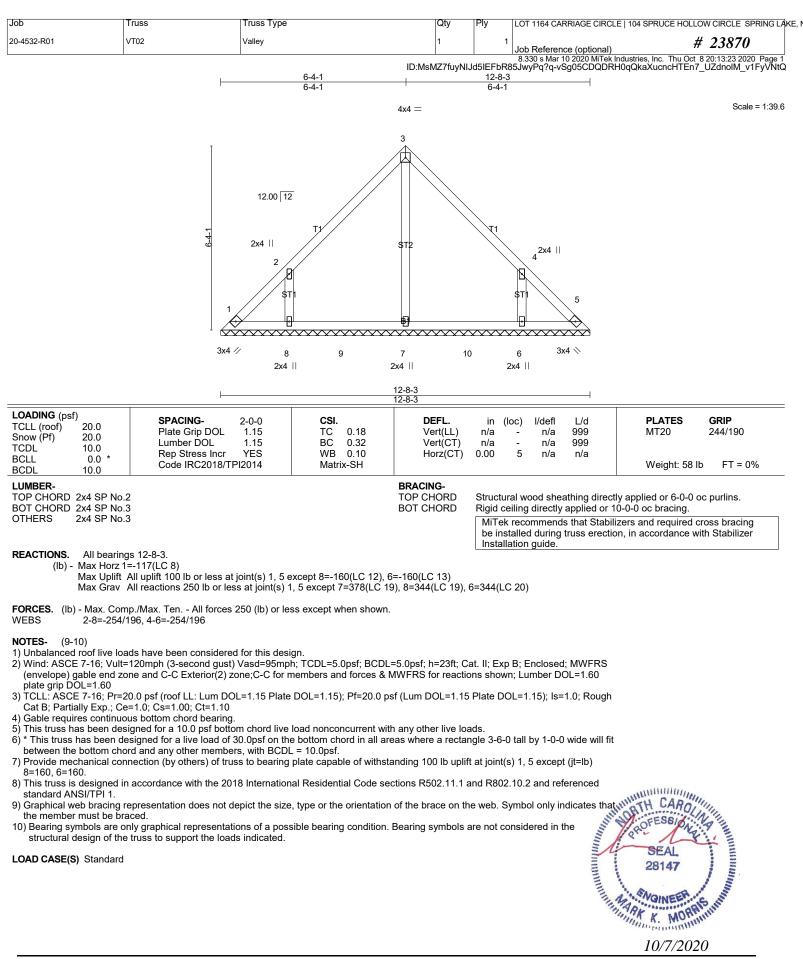
13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

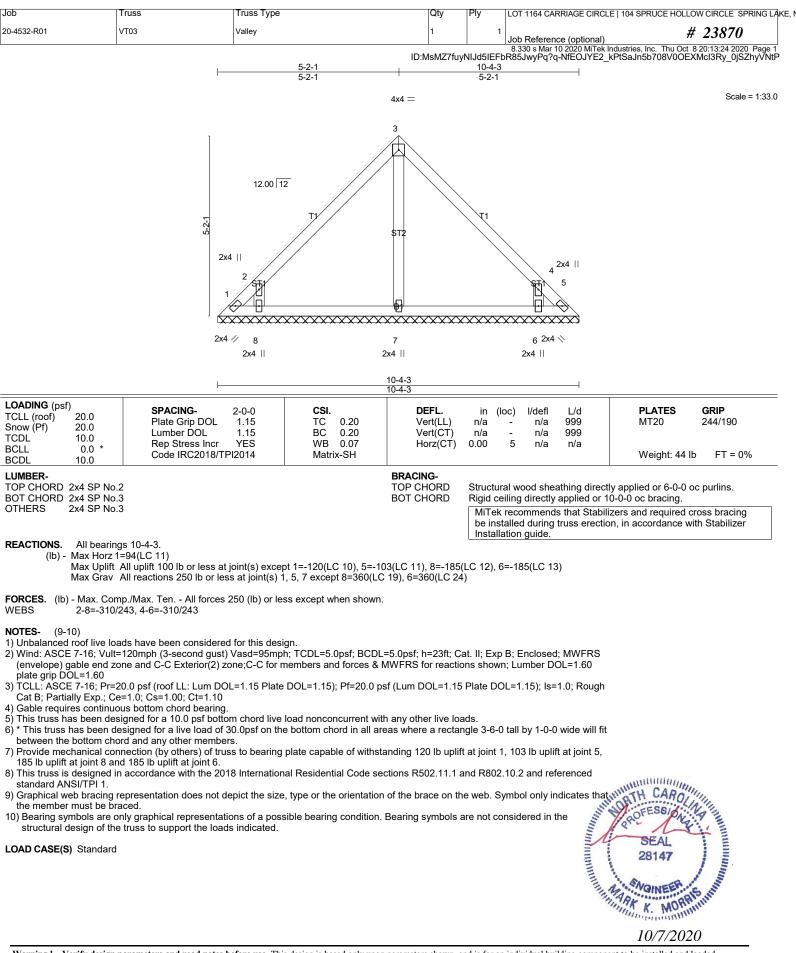
LOAD CASE(S) Standard

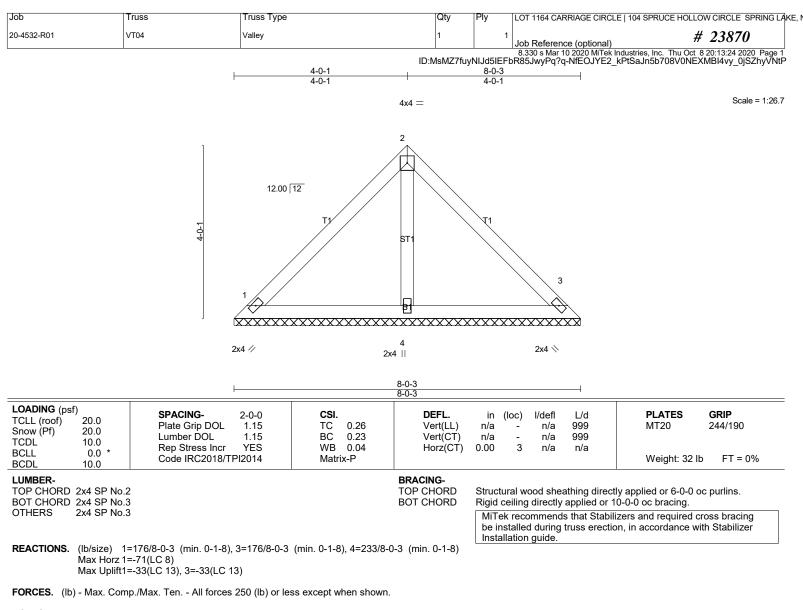




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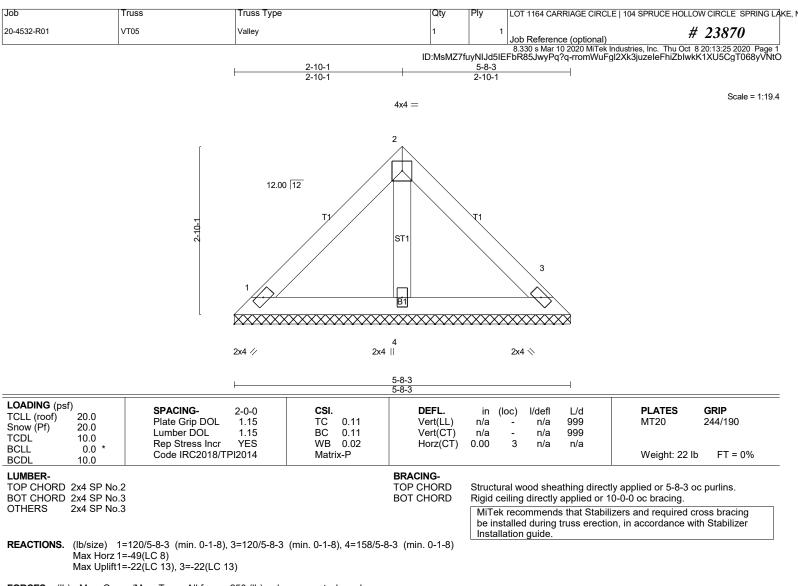


NOTES- (9-10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 33 lb uplift at joint 3. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1.
- 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





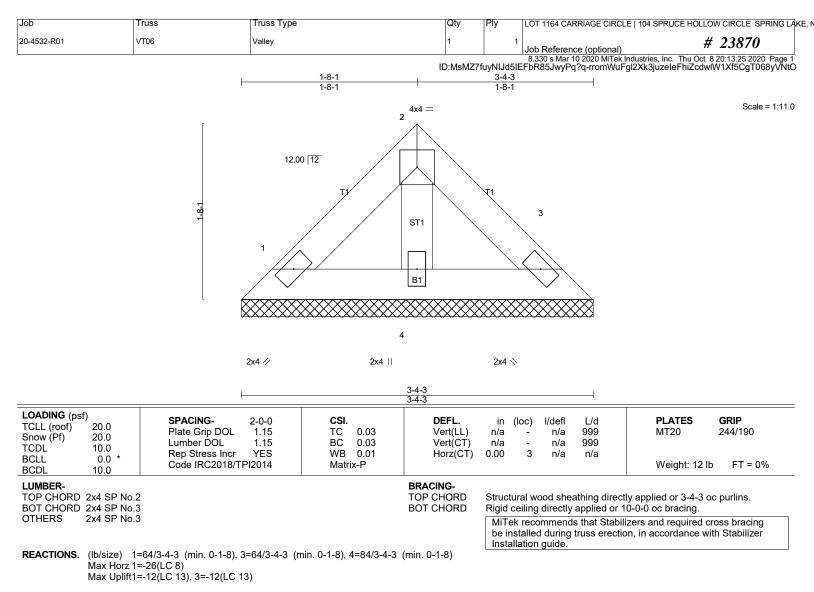
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES- (9-10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 22 lb uplift at joint 3. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANS/TPI 1. 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that
- b) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





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

NOTES- (9-10)

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

2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

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

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1 and 12 lb uplift at joint 3. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

standard ANSI/TPI 1. 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that

the member must be braced.

10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

