

MiTek, Inc. RE: P240574-01 - Roof - HR Lot 193 16023 Swingley Ridge Rd. Site Information: Project Customer: Clayton Properties Project Name: Riverside - Modern Farmhouse 434-1200 Lot/Block: 193 Subdivision: Hawthorne Ridge Model: Address: 3216 SW Arboridge Cir City: Lee's Summit State: MO General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions): Design Code: IRC2018/TPI2014 Design Program: MiTek 20/20 8.6 Wind Code: ASCE 7-16 Wind Speed: 115 mph Design Method: MWFRS (Directional)/C-C hybrid Wind ASCE 7-16 Roof Load: 45.0 psf Floor Load: N/A psf

Mean Roof Height (feet): 25

Exposure Category: B

| No.  | Seal#                               | Truss Name                       | Date                          |
|--|-------------------------------------|----------------------------------|-------------------------------|
| 1  | l66371519<br>l66371520              | B1<br>B2                         | 6/21/24<br>6/21/24            |
| 3<br>4<br>5  | l66371521<br>l66371522<br>l66371523 | B2<br>C1<br>C2<br>D1             | 6/21/24<br>6/21/24<br>6/21/24 |
| 6<br>7   | l66371524<br>l66371525              | D2                               | 6/21/24<br>6/21/24            |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10                | l66371526<br>l66371527<br>l66371528 | E1<br>E2<br>E3<br>G1<br>G2<br>G3 | 6/21/24<br>6/21/24<br>6/21/24 |
| 11<br>12   | l66371529<br>l66371530              | G2<br>G3                         | 6/21/24<br>6/21/24            |
| 13<br>14<br>15   | l66371531<br>l66371532<br>l66371533 | H1<br>H2<br>H3                   | 6/21/24<br>6/21/24<br>6/21/24 |
| 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18                   | l66371534<br>l66371535              | H4<br>H5                         | 6/21/24<br>6/21/24            |
| 18<br>19<br>20   | 166371536<br>166371537<br>166371538 | H8<br>R1<br>VE1                  | 6/21/24<br>6/21/24            |
| 19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | l66371539<br>l66371540              | VE2<br>VE3                       | 6/21/24<br>6/21/24<br>6/21/24 |
| 23<br>24   | l66371541<br>l66371542              | VE7<br>VE8                       | 6/21/24<br>6/21/24            |
| 25<br>26<br>27   | l66371543<br>l66371544<br>l66371545 | VE9<br>VG10<br>VG11              | 6/21/24<br>6/21/24<br>6/21/24 |
| 28<br>29   | l66371546<br>l66371547              | VG11<br>VG12<br>VG13             | 6/21/24<br>6/21/24            |
| 30   | 166371548                           | VĞ14                             | 6/21/24                       |

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Premier Building Supply (Springhill, KS)20300 W 207th Street.

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of Missouri is December 31, 2025.

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



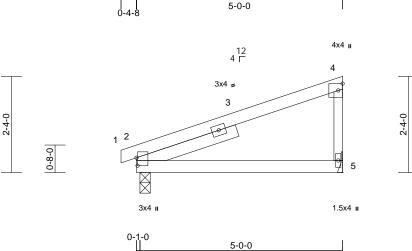
| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | B1    | Monopitch  | 7   | 1   | Job Reference (optional) | 166371519 |

5-0-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

#### Run: 8.63 E Apr 26 2024 Print: 8.630 E Apr 26 2024 MiTek Industries, Inc. Fri Jun 21 07:50:51 ID:0?KsEbVflefMnNTOVEEoX7ytxid-fBgFQPpgACMZkDNggr?UTr1aWcOEYc\_3mxKt51z47HI

Page: 1



<u>|| 5-0-0</u> |- 4-11-0 |-1-0

Scale = 1:27.9

# Plate Offsets (X, Y): [2:0-2-5,0-0-5]

|               | (7, 1): [2:0 2 0,0 0 0]                              |                        |                 |                     |             |              |       |       |        |     |  |  |
|---------------|--|------------------------|-----------------|---------------------|-------------|--------------|-------|-------|--------|-----|--|--|
| Loading       | (psf)  | Spacing                | 2-0-0           | CSI                 |             | DEFL         | in    | (loc) | l/defl | L/d | PLATES                                 | GRIP   |
| TCLL (roof)   | 25.0   | Plate Grip DOL         | 1.15            | TC                  | 0.54        | Vert(LL)     | -0.03 | 2-5   | >999   | 240 | MT20                                   | 197/144  |
| TCDL          | 10.0   | Lumber DOL             | 1.15            | BC                  | 0.30        | Vert(CT)     | -0.07 | 2-5   | >853   | 180 |  |  |
| BCLL          | 0.0*   | Rep Stress Incr        | YES             | WB                  | 0.00        | Horz(CT)     | 0.00  | 5     | n/a    | n/a |  |  |
| BCDL          | 10.0   | Code                   | IRC2018/TPI2014 | Matrix-P            |             |              |       |       |        |     | Weight: 21 lb                          | FT = 20%   |
| LUMBER        |  |                        | 7) This truss   | is designed in acco | ordance w   | ith the 2018 |       |       |        |     |  |  |
| TOP CHORD     | 2x4 SP No.2  |                        | Internatio      | nal Residential Cod | le sections | R502.11.1 a  | and   |       |        |     |  |  |
| BOT CHORD     | 2x4 SP No.2  |                        | R802.10.        | 2 and referenced st | andard AN   | ISI/TPI 1.   |       |       |        |     |  |  |
| WEBS          | 2x3 SPF No.2   |                        | LOAD CASE       | (S) Standard        |             |              |       |       |        |     |  |  |
| SLIDER        | Left 2x4 SP No.2 2                                   | 2-6-9                  |                 |                     |             |              |       |       |        |     |  |  |
| BRACING       |  |                        |                 |                     |             |              |       |       |        |     |  |  |
| TOP CHORD     | Structural wood she                                  | athing directly appli  | ed or           |                     |             |              |       |       |        |     |  |  |
|               | 5-0-0 oc purlins, ex                                 |                        |                 |                     |             |              |       |       |        |     |  |  |
| BOT CHORD     | 0 0 7  | applied or 10-0-0 o    | c               |                     |             |              |       |       |        |     |  |  |
|               | bracing.   |                        |                 |                     |             |              |       |       |        |     |  |  |
| REACTIONS     | ( )  | 3-0, 5=219/ Mechan     | ical            |                     |             |              |       |       |        |     |  |  |
|               | Max Horiz 2=52 (LC                                   | ,                      |                 |                     |             |              |       |       |        |     |  |  |
|               | Max Uplift 2=-3 (LC                                  | ,                      |                 |                     |             |              |       |       |        |     |  |  |
| FORCES        | (lb) - Max. Comp./M                                  |                        | 250             |                     |             |              |       |       |        |     |  |  |
|               | (lb) or less except w                                | hen shown.             |                 |                     |             |              |       |       |        |     |  |  |
| NOTES         |  |                        |                 |                     |             |              |       |       |        |     |  |  |
|               | CE 7-16; Vult=115mph                                 |                        |                 |                     |             |              |       |       |        |     |  |  |
|               | nph; TCDL=6.0psf; BC                                 |                        |                 |                     |             |              |       |       |        |     |  |  |
|               | =24ft; eave=4ft; Ke=1.0                              |                        | -               |                     |             |              |       |       |        |     |  |  |
|               | ; MWFRS (directional) ;<br>2-7-8, Interior (1) 2-7-8 |                        | =)              |                     |             |              |       |       |        |     |  |  |
|               | left and right exposed                               |                        | d               |                     |             |              |       |       |        |     |  |  |
|               | sed;C-C for members                                  |                        |                 |                     |             |              |       |       |        |     |  |  |
|               | ons shown; Lumber DO                                 |                        |                 |                     |             |              |       |       |        |     | CON                                    | man  |
| DOL=1.60      |  | 2 noo plato grip       |                 |                     |             |              |       |       |        |     | A OF                                   | MISC   |
| 2) This truss | has been designed for                                | r a 10.0 psf bottom    |                 |                     |             |              |       |       |        | 1   | STATE OF                               | W.OS   |
| chord live    | load nonconcurrent wi                                | th any other live loa  | ds.             |                     |             |              |       |       |        | B   | S SCOT                                 | TM X   |
|               | ss has been designed f                               |                        | Opsf            |                     |             |              |       |       |        | R   | SEV                                    |  |
|               | ttom chord in all areas                              |                        |                 |                     |             |              |       |       |        | 0.  | SEV                                    |  |
|               | all by 2-00-00 wide will                             | fit between the botto  | m               |                     |             |              |       |       |        | 2n  |  | 0  |
|               | any other members.                                   |                        |                 |                     |             |              |       |       |        | ŰK- | TT                                     | Ke ALAN  |
|               | irder(s) for truss to trus                           |                        | _               |                     |             |              |       |       | -      | 24  | NUM                                    | BER  |
|               | nechanical connection (                              | (by others) of truss t | 0               |                     |             |              |       |       |        | M7  | ON PE-2001                             | 018807   |
| bearing pl    | late at joint(s) 2.                                  |                        |                 |                     |             |              |       |       |        | XX  | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | and a start a star |

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 2.

June 21,2024

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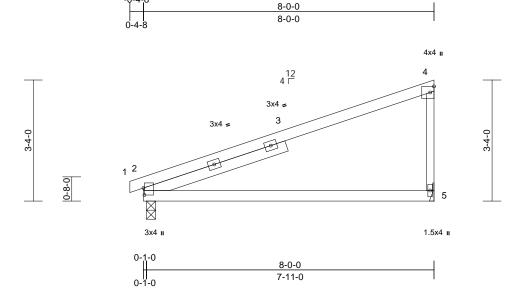
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | B2    | Monopitch  | 3   | 1   | Job Reference (optional) | 166371520 |

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Page: 1



#### Scale = 1:31.7

#### Plate Offsets (X, Y): [2:0-2-5,0-0-5]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI      |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP     |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 25.0  | Plate Grip DOL  | 1.15            | TC       | 0.70 | Vert(LL) | -0.23 | 2-5   | >406   | 240 | MT20          | 197/144  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC       | 0.84 | Vert(CT) | -0.47 | 2-5   | >203   | 180 |               |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB       | 0.00 | Horz(CT) | 0.00  | 5     | n/a    | n/a |               |          |
| BCDL        | 10.0  | Code            | IRC2018/TPI2014 | Matrix-P |      |          |       |       |        |     | Weight: 34 lb | FT = 20% |

#### LUMBER

| TOP CHORD<br>BOT CHORD<br>WEBS<br>SLIDER | 2x4 SP 2400F 2.0E<br>2x4 SP No.2<br>2x3 SPF No.2<br>Left 2x4 SP No.2 4-1-9 |
|--|--|
| BRACING                                  |  |
| TOP CHORD                                | Structural wood sheathing directly applied or                              |
|  | 6-0-0 oc purlins, except end verticals.                                    |
| BOT CHORD                                | Rigid ceiling directly applied or 9-0-12 oc                                |
|  | bracing.   |
| REACTIONS                                | (lb/size) 2=382/0-3-0, 5=355/ Mechanical                                   |
|  | Max Horiz 2=79 (LC 9)  |
| FORCES                                   | (lb) - Max. Comp./Max. Ten All forces 250                                  |
|  | (lb) or less except when shown.  |
| TOP CHORD                                | 4-5=-276/183   |

#### NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-4-8 to 2-7-8, Interior (1) 2-7-8 to 7-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI = 1.60
- This truss has been designed for a 10.0 psf bottom 2)
- chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf 3) 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.
- Provide mechanical connection (by others) of truss to 5) bearing plate at joint(s) 2.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



June 21,2024

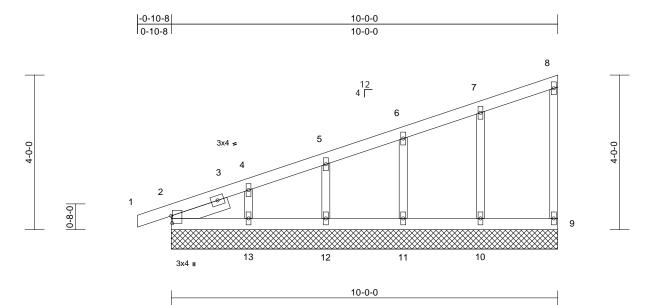
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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



| Job        | Truss | Truss Type                | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|---------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | C1    | Monopitch Supported Gable | 1   | 1   | Job Reference (optional) | 166371521 |

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Page: 1



Scale = 1:29.8

Plate Offsets (X, Y): [2:0-2-5,0-0-5]

| -   |  |   |                                  |  | -   |  |   |                            |       |        |     | i i           |          |
|---|--|---|----------------------------------|--|---|--|---|----------------------------|-------|--------|-----|---------------|----------|
| Loading   | (psf)  | Spacing   | 2-0-0                            |  | csi   |  | DEFL  | in                         | (loc) | l/defl | L/d | PLATES        | GRIP     |
| TCLL (roof)   | 25.0   |   | 1.15                             |  | тс  | 0.14   | Vert(LL)  | n/a                        | -     | n/a    | 999 | MT20          | 197/144  |
| TCDL  | 10.0   | Lumber DOL  | 1.15                             |  | BC  | 0.05   | Vert(CT)  | n/a                        | -     | n/a    | 999 |               |          |
| BCLL  | 0.0*   | Rep Stress Incr   | YES                              |  | WB  | 0.04   | Horz(CT)  | 0.00                       | 9     | n/a    | n/a |               |          |
| BCDL  | 10.0   | Code  |                                  | 8/TPI2014  | Matrix-S  |  | ()  |                            | -     |        |     | Weight: 43 lb | FT = 20% |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>OTHERS<br>SLIDER<br>BRACING<br>TOP CHORD<br>BOT CHORD | OP CHORD       2x4 SP No.2         SOT CHORD       2x4 SP No.2         VEBS       2x3 SPF No.2         DTHERS       2x3 SPF No.2         SLIDER       Left 2x4 SP No.2 1-6-7         SRACING       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |   |                                  |  | 7-16; Vult=115mp<br>7; TCDL=6.0psf; B<br>ft; eave=2ft; Ke=1<br>WFRS (directional<br>0-0, Exterior(2N) 2<br>t and right exposed<br>d;C-C for members<br>shown; Lumber D<br>ned for wind loads<br>ids exposed to wind<br>l Industry Gable E | CDL=6.<br>.00; Cat<br>) and C-<br>-0-0 to 9<br>d; end v<br>s and fo<br>OL=1.60<br>in the p<br>id (norm | Opsf; h=25ft;<br>. II; Exp B;<br>C Corner(3E)<br>)-10-12 zone;<br>vertical left an<br>rces & MWFR<br>0 plate grip<br>lane of the tru<br>al to the face; | d<br>RS<br>uss<br>),       |       |        |     |               |          |
|   | 11=10-0-(<br>Max Horiz 2=99 (LC<br>Max Uplift 2=-2 (LC<br>(LC 12), 1<br>12), 13=-(<br>Max Grav 2=151 (LC   | 0, 12=10-0-0, 13=10-0<br>11)<br>12), 9=-3 (LC 9), 10=-3<br>1=-2 (LC 12), 12=-3 (I<br>5 (LC 12)<br>C 1), 9=69 (LC 1), 10=<br>=177 (LC 1), 12=182 | -0 3)<br>2 4)<br>-C 6)<br>193 7) | or consult qu<br>All plates are<br>Gable requir<br>Gable studs<br>This truss ha<br>chord live loa<br>* This truss h<br>on the bottor | alified building des<br>1.5x4 MT20 unleses continuous bott<br>spaced at 2-0-0 or<br>s been designed f<br>ad nonconcurrent van<br>has been designed<br>n chord in all areas  | signer as<br>ss other<br>om chor<br>c.<br>or a 10.<br>vith any<br>l for a liv<br>s where               | s per ANSI/TF<br>wise indicated<br>d bearing.<br>0 psf bottom<br>other live load<br>e load of 20.0<br>a rectangle                                       | PI 1.<br>d.<br>ds.<br>Dpsf |       |        |     |               |          |
| FORCES  | (lb) - Maximum Com   | · /   |                                  |  | by 2-00-00 wide wi<br>by other members.   |  | veen the botto  | om                         |       |        |     |               |          |
|   | Tension  |   | 8)                               |  | are assumed to be   |  | 2 crushina  |                            |       |        |     |               |          |
| TOP CHORD   | 1-2=-5/0, 2-4=-238/1<br>5-6=-136/86, 6-7=-9<br>8-9=-54/42  |   | 9)                               | capacity of 5<br>Provide mec   | 65 psi.<br>hanical connectior   | n (by oth  | ers) of truss to  |                            |       |        |     | STOR I        |          |
| BOT CHORD   |  | 49/66, 11-12=-49/66,<br>49/66   |                                  | 9, 2 lb uplift a   | e capable of withsta<br>at joint 2, 2 lb uplift   | t at joint   | 10, 2 lb uplift   | at                         |       |        | B   | STATE OF I    | ANSSO2   |
| WEBS  | 7-10=-150/117, 6-11<br>5-12=-143/99, 4-13=   | =-138/103,  | 10                               | ) This truss is  | uplift at joint 12 an<br>designed in accore<br>Residential Code   | dance w  | ith the 2018  |                            |       |        | A   | SCOT SEV      | I M. TA  |
| NOTES   | ,  |   | LC                               |  | nd referenced star  |  |   |                            |       |        | Ø   | tt.           | longen   |

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June 21,2024

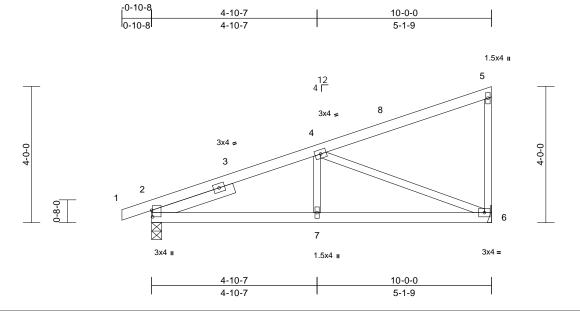
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| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | C2    | Monopitch  | 10  | 1   | Job Reference (optional) | 166371522 |

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# Plate Offsets (X, Y): [2:0-2-5,0-0-5]

|             |   |  |                 |  |            |                    |       |       |        |      | -             |          |
|-------------|---|--|-----------------|--|------------|--------------------|-------|-------|--------|------|---------------|----------|
| Loading     | (psf)   | Spacing                                      | 2-0-0           | CSI                                    |            | DEFL               | in    | (loc) | l/defl | L/d  | PLATES        | GRIP     |
| TCLL (roof) | 25.0  | Plate Grip DOL                               | 1.15            | TC                                     | 0.36       |                    | -0.02 | 6-7   | >999   | 240  | MT20          | 197/144  |
| TCDL        | 10.0  | Lumber DOL                                   | 1.15            | BC                                     | 0.28       | Vert(CT)           | -0.05 | 6-7   | >999   | 180  |               |          |
| BCLL        | 0.0*  | Rep Stress Incr                              | YES             | WB                                     | 0.49       | Horz(CT)           | 0.01  | 6     | n/a    | n/a  |               |          |
| BCDL        | 10.0  | Code   | IRC2018/TPI2014 | Matrix-S                               |            |                    |       |       |        |      | Weight: 44 lb | FT = 20% |
| LUMBER      |   |  |                 | girder(s) for truss to                 |            |                    |       |       |        |      |               |          |
| TOP CHORD   | 2x4 SP No.2   |  |                 | mechanical connecti                    |            |                    |       |       |        |      |               |          |
| BOT CHORD   | 2x4 SP No.2   |  |                 | plate capable of with                  | standing 1 | 0 lb uplift at joi | nt    |       |        |      |               |          |
| WEBS        | 2x3 SPF No.2  |  | 2.              |  |            |                    |       |       |        |      |               |          |
| SLIDER      | Left 2x4 SP No.2  | 2-6-6  |                 | s is designed in acco                  |            |                    |       |       |        |      |               |          |
| BRACING     |   |  |                 | onal Residential Cod                   |            |                    | d     |       |        |      |               |          |
| TOP CHORD   | <ul> <li>Structural wood she</li> <li>6-0-0 oc purlins, ex</li> </ul> |  | ed or           | .2 and referenced sta<br>E(S) Standard | andard Ar  | NSI/TPT1.          |       |       |        |      |               |          |
| BOT CHORD   |   |  | C               |  |            |                    |       |       |        |      |               |          |
| REACTIONS   | 0   | 6= Mechanical                                |                 |  |            |                    |       |       |        |      |               |          |
|             | Max Horiz 2=99 (LC  | 9)   |                 |  |            |                    |       |       |        |      |               |          |
|             | Max Uplift 2=-10 (LC  | C 12)  |                 |  |            |                    |       |       |        |      |               |          |
|             | Max Grav 2=509 (L   | C 1), 6=443 (LC 1)                           |                 |  |            |                    |       |       |        |      |               |          |
| FORCES      | (lb) - Maximum Con<br>Tension   | npression/Maximum                            |                 |  |            |                    |       |       |        |      |               |          |
| TOP CHORD   |   | 117, 4-5=-95/54,                             |                 |  |            |                    |       |       |        |      |               |          |
|             | 5-6=-150/79   | , ,  |                 |  |            |                    |       |       |        |      |               |          |
| BOT CHORD   | 2-7=-196/636, 6-7=-   | 196/636                                      |                 |  |            |                    |       |       |        |      |               |          |
| WEBS        | 4-6=-669/170, 4-7=0   | 0/225  |                 |  |            |                    |       |       |        |      |               |          |
| NOTES       |   |  |                 |  |            |                    |       |       |        |      |               |          |
| 1) Wind: AS | CE 7-16; Vult=115mph  | (3-second aust)                              |                 |  |            |                    |       |       |        |      |               |          |
|             | mph; TCDL=6.0psf; BC  |  |                 |  |            |                    |       |       |        |      |               | and the  |
| B=45ft; L=  | =24ft; eave=4ft; Ke=1.0   | 00; Cat. II; Exp B;                          |                 |  |            |                    |       |       |        |      | TATE OF       | MIG      |
| Enclosed    | ; MWFRS (directional)   | and C-C Exterior(2E                          | Ξ)              |  |            |                    |       |       |        |      | AREUT         | ISS A    |
|             | o 2-1-8, Interior (1) 2-1-  |  |                 |  |            |                    |       |       |        | 6    |               | N.S.     |
|             | r left and right exposed  |  |                 |  |            |                    |       |       |        | A    | SCOT          | TM.      |
|             | osed;C-C for members  |  | RS              |  |            |                    |       |       |        | U.   | 7 SEV         | IER \ \  |
| DOL=1.60    | ons shown; Lumber DC  | L=1.60 plate grip                            |                 |  |            |                    |       |       |        | 8    |               | 1+8      |
|             | o<br>s has been designed fo   | r a 10 0 paf hattam                          |                 |  |            |                    |       |       |        | (10) |               | ·/ /~#   |
|             | e load nonconcurrent w  |  | de              |  |            |                    |       |       |        | X    | Jull /        | Sinver)  |
|             | ss has been designed t  |  |                 |  |            |                    |       |       | -      | YL - | NUM           |          |
|             | ttom chord in all areas   |  | 000             |  |            |                    |       |       |        | N    | OX PE-2001    | 018807   |
|             |   | Lbv 2-00-00 wide will fit between the bottom |                 |  |            |                    |       |       |        |      |               |          |
|             | d any other members.  |  |                 |  |            |                    |       |       |        |      | NºSic-        | ENUR     |
|             | are assumed to be: Jo   | int 2 SP No.2 crushi                         | ing             |  |            |                    |       |       |        |      | SSIONA        | L        |
|             | of 565 psi.   |  | -               |  |            |                    |       |       |        |      | lan           | and a    |
|             |   |  |                 |  |            |                    |       |       |        |      |               | 04.0004  |

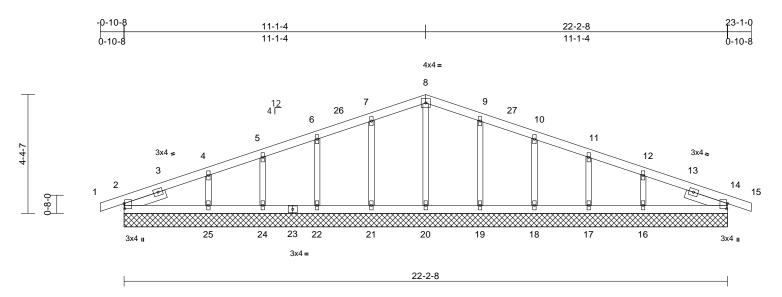
June 21,2024



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

| Job        | Truss | Truss Type             | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | D1    | Common Supported Gable | 1   | 1   | Job Reference (optional) | 166371523 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:50 ID:UCuERxWI3xnDPX2a3yl14Lytxic-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:42.4

# Plate Offsets (X, Y): [2:0-2-5,0-0-5], [14:0-2-5,0-0-5]

| Loading   | (psf)   | Spacing  | 2-0-0   |  | CSI  |   | DEFL  | in                            | (loc)                    | l/defl  | L/d                                      | PLATES   | GRIP                                    |
|---|---|--|---|--|--|---|---|-------------------------------|--------------------------|---|--|--|---|
| TCLL (roof)   | 25.0  | Plate Grip DOL   | 1.15  |  | TC   | 0.10  |   | n/a                           | -                        | n/a   | 999                                      | MT20   | 197/144                                 |
| TCDL  | 10.0  | Lumber DOL   | 1.15  |  | BC   | 0.07  | Vert(CT)  | n/a                           | -                        | n/a   | 999                                      |  |   |
| BCLL  | 0.0*  | Rep Stress Incr  | YES   |  | WB   | 0.05  | Horz(CT)  | 0.00                          | 14                       | n/a   | n/a                                      |  |   |
| BCDL  | 10.0  | Code   | IRC20   | )18/TPI2014  | Matrix-S   |   |   |                               |                          |   |  | Weight: 93 lb  | FT = 20%                                |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>OTHERS<br>SLIDER<br>BRACING |   | 1-7-4, Right 2x4 SP 1  | No.2  | NOTES  | 8-20=-99/0, 7-21=-<br>5-24=-125/44, 4-25<br>10-18=-142/54, 11<br>12-16=-194/72<br>roof live loads hav  | 5=-194/7<br>-17=-12   | '3, 9-19=-149/<br>5/44,   | 77,                           | surf<br>12) This<br>Inte | ace with<br>s truss is<br>rnationa<br>)2.10.2 | n truss<br>s desig<br>al Resi<br>and ref | chord at joint(s)<br>ned in accordan<br>dential Code sec<br>ferenced standar | ce with the 2018<br>tions R502.11.1 and |
| TOP CHORD   | Structural wood she<br>6-0-0 oc purlins.  | athing directly applie   | d or  |  | 7-16; Vult=115mp<br>n; TCDL=6.0psf; B  |   |   |                               |                          |   |  |  |   |
| BOT CHORD   |   | applied or 10-0-0 oc   | ;   | B=45ft; L=24<br>Enclosed; M  | ft; eave=2ft; Ke=1<br>WFRS (directional  | .00; Cat<br>) and C·  | II; Exp B;<br>C Corner(3E)  |                               |                          |   |  |  |   |
|   | 17=22-2-<br>20=22-2-<br>24=22-2-<br>Max Horiz 2=-33 (LC<br>Max Uplift 2=-16 (LC<br>16=-2 (LC<br>21=-2 (LC<br>24=-3 (LC<br>Max Grav 2=210 (LC<br>16=259 (I<br>18=185 (I<br>20=139 (I | : 12), 14=-16 (LC 12)<br>: 12), 17=-3 (LC 12),<br>: 12), 19=-2 (LC 12),<br>: 12), 22=-2 (LC 12),<br>: 12), 22=-2 (LC 12),<br>: 12), 25=-2 (LC 12),<br>: 12), 14=210 (LC 1),<br>.C 24), 17=155 (LC 2),<br>.C 1), 19=189 (LC 2),<br>.C 1), 21=189 (LC 2),<br>.C 1), 24=155 (LC 1),<br>.C 23) | -2-8,<br>-2-8,<br>),<br>1),<br>4),<br>3),           | <ul> <li>(3R) 11-1-4</li> <li>zone; cantile</li> <li>and right exp</li> <li>MWFRS for</li> <li>grip DOL=1.</li> <li>Truss desig</li> <li>only. For st</li> <li>see Standar</li> <li>or consult qu</li> <li>All plates are</li> <li>Gable requir</li> <li>Gable studs</li> <li>This truss hachord live loc</li> <li>* This truss I</li> </ul> | 1-8, Exterior(2N) 2<br>to 14-1-4, Exterior(<br>ver left and right e<br>posed;C-C for men<br>reactions shown; L<br>med for wind loads<br>ds exposed to win<br>d Industry Gable E<br>tailfied building des<br>e 1.5x4 MT20 unles<br>es continuous bott<br>spaced at 2-0-0 or<br>to been designed<br>fad nonconcurrent v<br>has been designed<br>in chord in all area | (2N) 14-<br>xposed<br>hers ar<br>Lumber<br>in the p<br>ad (norm<br>ind Deta<br>signer a<br>ss other<br>com chor<br>c.<br>for a 10.<br>with any<br>I for a liv | 1-4 to 23-1-0<br>; end vertical I<br>d forces &<br>DOL=1.60 plat<br>lane of the tru:<br>al to the face)<br>ills as applicab<br>s per ANSI/TP<br>wise indicated<br>d bearing.<br>0 psf bottom<br>other live loac<br>e load of 20.0 | eft<br>e<br>ss<br>le,<br>l 1. |                          |   | H  | STATE OF SCOT  | MISSOLU                                 |
| TOP CHORD   | Tension   | 8, 4-5=-73/45,<br>/90, 7-8=-71/113,<br>69/84, 10-11=-68/61   | ,   | chord and ar<br>9) All bearings<br>capacity of 5<br>10) Provide med  | hanical connectior   | e SP No   | 2 crushing<br>ers) of truss to  | )                             |                          |   |  | SEV  | IER<br>Server                           |
| BOT CHORD   |   |  | 2, 16 lb uplif<br>at joint 22, 3<br>uplift at joint | e capable of withsta<br>at joint 14, 2 lb up<br>lb uplift at joint 24.<br>19, 2 lb uplift at joi<br>uplift at joint 16.  | olift at jo<br>, 2 lb up   | nt 21, 2 lb upli<br>lift at joint 25, 3   | ft<br>2 lb  |                               |                          | A.  | PE-2001                                  | L ENGINE   |   |

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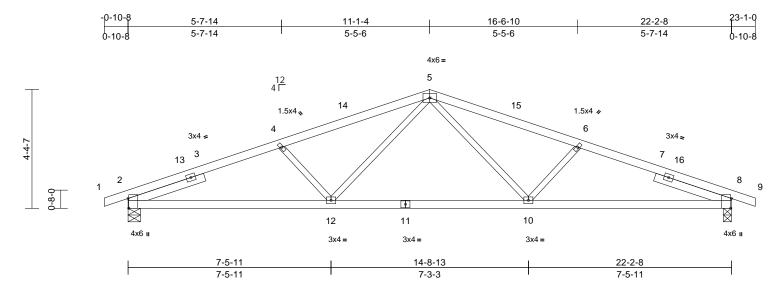
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rion Iew



| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | D2    | Common     | 5   | 1   | Job Reference (optional) | 166371524 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:50 ID:UCuERxWI3xnDPX2a3yl14Lytxic-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:42.4

# Plate Offsets (X, Y): [2:0-4-5,Edge], [8:0-4-5,Edge]

|  | (, .). [=   | [0:0 : 0,=090]  |   |   |  |  |                 |                              |                               |                          | -                               |                                    |
|--|---|---|---|---|--|--|-----------------|------------------------------|-------------------------------|--------------------------|---------------------------------|------------------------------------|
| Loading<br>TCLL (roof)<br>TCDL<br>BCLL<br>BCDL   | (psf)<br>25.0<br>10.0<br>0.0*<br>10.0   | Spacing<br>Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr<br>Code  | 2-0-0<br>1.15<br>1.15<br>YES<br>IRC2018/TP  | I2014   | 0.61<br>0.64<br>0.18   | DEFL<br>Vert(LL)<br>Vert(CT)<br>Horz(CT)   |                 | (loc)<br>10-12<br>10-12<br>8 | l/defl<br>>999<br>>999<br>n/a | L/d<br>240<br>180<br>n/a | PLATES<br>MT20<br>Weight: 93 lb | <b>GRIP</b><br>197/144<br>FT = 20% |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>SLIDER<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS       | 2x4 SP No.2<br>2x3 SPF No.2<br>Left 2x4 SP No.2 2<br>No.2 2-11-5<br>Structural wood she<br>3-2-15 oc purlins.<br>Rigid ceiling directly<br>bracing. | athing directly applie<br>applied or 10-0-0 or<br>3=0-3-8<br>2 10)<br>12), 8=-3 (LC 12)   | on<br>3-C<br>chr<br>5) All<br>ca<br>6) Pro<br>be:<br>6) Pro<br>be:<br>an<br>c<br>7) Th<br>Int<br>R8<br>LOAD | his truss has been design<br>the bottom chord in all are<br>06-00 tall by 2-00-00 wide<br>ord and any other membe<br>bearings are assumed to<br>pacity of 565 psi.<br>ovide mechanical connect<br>aring plate capable of with<br>d 3 lb uplift at joint 8.<br>is truss is designed in acc<br>ernational Residential Coo<br>02.10.2 and referenced st<br><b>CASE(S)</b> Standard | eas where<br>will fit betw<br>rs.<br>be SP No<br>ion (by oth<br>standing 3<br>ordance w<br>de sections | a rectangle<br>veen the botto<br>2 crushing<br>ers) of truss to<br>8 lb uplift at join<br>ith the 2018<br>5 R502.11.1 an | om<br>o<br>nt 2 |                              |                               |                          |                                 |                                    |
| FORCES   | (lb) - Maximum Com<br>Tension   | ,   | ,   |   |  |  |                 |                              |                               |                          |                                 |                                    |
| TOP CHORD  |   |   |   |   |  |  |                 |                              |                               |                          |                                 |                                    |
| BOT CHORD  | ,   | ,   | ,<br>,  |   |  |  |                 |                              |                               |                          |                                 |                                    |
| WEBS   | 5-10=0/534, 6-10=-3<br>4-12=-328/111  | 328/111, 5-12=0/534   | l,  |   |  |  |                 |                              |                               |                          |                                 |                                    |
| this desig<br>2) Wind: ASI<br>Vasd=91r<br>B=45ft; L=<br>Enclosed;<br>-0-10-8 to<br>11-1-4 to<br>cantilever | ed roof live loads have   | (3-second gust)<br>DL=6.0psf; h=25ft;<br>)0; Cat. II; Exp B;<br>and C-C Exterior(2E<br>8 to 11-1-4, Exterior<br>1-4 to 23-1-0 zone;<br>; end vertical left an | :)<br>(2R)<br>d   |   |  |  |                 |                              |                               |                          | STATE OF SCOT<br>SEV            | Bene                               |

right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

June 21,2024

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

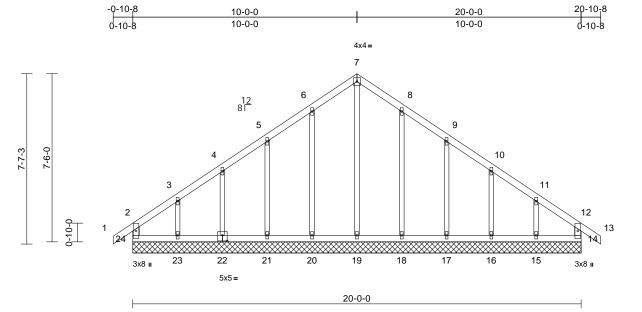


Page: 1

| Job        | Truss | Truss Type             | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | E1    | Common Supported Gable | 1   | 1   | Job Reference (optional) | 166371525 |

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Page: 1



#### Scale = 1:51.4

| Plate Offsets | (X, | Y): | [22:0-2-8,0-3-0] |
|---------------|-----|-----|------------------|
|---------------|-----|-----|------------------|

|  |   | -  |  |   | · · · · · ·   |   |  |  |       |                      |                                | 1               |                                      |
|--|---|--|--|---|---|---|--|--|-------|----------------------|--------------------------------|-----------------|--------------------------------------|
| Loading  | (psf)   | Spacing  | 2-0-0  |   | csi   |   | DEFL   | in   | (loc) | l/defl               | L/d                            | PLATES          | GRIP                                 |
| TCLL (roof)  | 25.0  | Plate Grip DOL   | 1.15   |   | тс  | 0.08  | Vert(LL)   | n/a  | -     | n/a                  | 999                            | MT20            | 197/144                              |
| TCDL   | 10.0  | Lumber DOL   | 1.15   |   | BC  | 0.04  | Vert(CT)   | n/a  | -     | n/a                  | 999                            |                 |                                      |
| BCLL   | 0.0*  | Rep Stress Incr  | YES  |   | WB  | 0.19  | Horz(CT)   | 0.00   | 14    | n/a                  | n/a                            |                 |                                      |
| BCDL   | 10.0  | Code   | IRC2018  | 8/TPI2014   | Matrix-R  |   |  |  |       |                      |                                | Weight: 99 lb   | FT = 20%                             |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>OTHERS<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS | 2x4 SP No.2<br>2x4 SP No.2<br>2x3 SPF No.2<br>Structural wood she<br>6-0-0 oc purlins, ex<br>Rigid ceiling directly<br>bracing.<br>(size) 14=20-0-(<br>20=20-0-(<br>23=20-0-(<br>Max Horiz 24=-129 (<br>Max Uplift 14=-5 (LC<br>16=-14 (L<br>21=-21 (L<br>23=-30 (L<br>Max Grav 14=167 (I<br>16=184 (I<br>18=190 (I<br>22=184 (I<br>24=174 (I | cept end verticals.<br>applied or 10-0-0 oc<br>), 15=20-0-0, 16=20-<br>), 18=20-0-0, 19=20-<br>), 21=20-0-0, 22=20-<br>), 24=20-0-0<br>LC 10)<br>5 9), 15=-30 (LC 12),<br>C 12), 17=-21 (LC 1<br>C 12), 20=-11 (LC 1<br>C 12), 22=-14 (LC 8<br>LC 1), 15=176 (LC 11<br>LC 1), 17=178 (LC 2-<br>C 24), 19=160 (LC 12<br>C 23), 21=178 (LC 2-<br>C 23), 21=178 (LC 2-<br>C 23), 21=178 (LC 12-<br>C 1), 23=183 (LC 11)<br>LC 18) | N(<br>1)<br>d or 2)<br>:<br>-0-0,<br>-0-0,<br>-0-0,<br>-0-0,<br>-0-0,<br>-0-0,<br>-0-0,<br>-0, | DTES<br>Unbalanced<br>this design.<br>Wind: ASCE<br>Vasd=91mpf<br>B=45ft; L=24<br>Enclosed; M<br>-0-10-8 to 2-(<br>(3R) 10-0-0 t<br>zone; cantile<br>and right exp<br>MWFRS for n<br>grip DOL=1.6<br>Truss design<br>only. For stu<br>see Standarc<br>or consult qu<br>All plates are<br>Gable require<br>Truss to be fn<br>braced again<br>Gable studs:<br>This truss ha | 7-19=-149/46, 6-20<br>4-22=-144/61, 3-23<br>9-17=-138/68, 10-1<br>roof live loads hav<br>7-16; Vult=115mp<br>n; TCDL=6.0psf; B<br>lift; eave=2ft; Ke=1<br>WFRS (directional<br>0-0, Exterior(2N) 2<br>to 13-0-0, Exterior(2N) 2<br>to 13-0, Exterior(2N) 2<br>to 13 | B=-133/7<br>6=-144.<br>e been<br>CDL=6.<br>00; Cat<br>) and C-<br>-0-0 to 7<br>2N) 13-<br>xposed<br>ibers ar<br>.umber I<br>in the p<br>d (norm<br>nd Deta<br>signer a:<br>so other<br>so ther<br>one fac<br>nt (i.e. c;<br>bor a 10. | 5, 8-18=-150<br>(61, 11-15=-1<br>considered for<br>cond gust)<br>Dpsf; h=25ft;<br>II; Exp B;<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C Corner(3E<br>C C Corner(3E<br>C C Corner(3E<br>C C Corner(3E<br>C C C C C C C C C C C C C C C C C C C | )/56,<br>(29/75<br>)<br>or<br>)<br>or<br>8<br>left<br>uss<br>left<br>uss<br>),<br>ble,<br>PI 1.<br>d.<br>, | Inte  | ernationa<br>02.10.2 | al Resid<br>and ref<br>5) Star | erenced standar | tions R502.11.1 and<br>d ANSI/TPI 1. |
| FORCES<br>TOP CHORD  | (lb) - Maximum Com<br>Tension<br>2-24=-148/43, 1-2=0  |  | 9)   | * This truss h<br>on the botton   | nas been designed<br>m chord in all areas   | for a liv<br>s where  | e load of 20.<br>a rectangle   | 0psf   |       |                      | A                              | SCOT<br>SEV     |                                      |
| BOT CHORD  | 3-4=-79/66, 4-5=-73<br>6-7=-104/178, 7-8=-<br>9-10=-55/83, 10-11=<br>12-13=0/40, 12-14=<br>23-24=-52/73, 21-23<br>19-20=-52/73, 18-19   | /83, 5-6=-79/134,<br>104/178, 8-9=-79/13<br>61/49, 11-12=-77/5<br>-148/41  | 6, <sup>10</sup><br>73, <sup>11</sup><br>73,   | chord and an<br>All bearings a<br>capacity of 5<br>) Provide mech<br>bearing plate<br>24, 5 lb uplift<br>at joint 21, 14  | by 2-00-00 wide wi<br>by other members.<br>are assumed to be<br>65 psi.<br>hanical connection<br>capable of withsta<br>at joint 14, 11 lb u<br>4 lb uplift at joint 22<br>i joint 18, 21 lb uplift  | SP No.<br>(by oth<br>anding 1<br>plift at j<br>2, 30 lb   | 2 crushing<br>ers) of truss t<br>4 lb uplift at j<br>bint 20, 21 lb<br>uplift at joint 2   | to<br>joint<br>uplift<br>23,   |       |                      |                                | PE-2001         | BER<br>018807                        |

June 21,2024

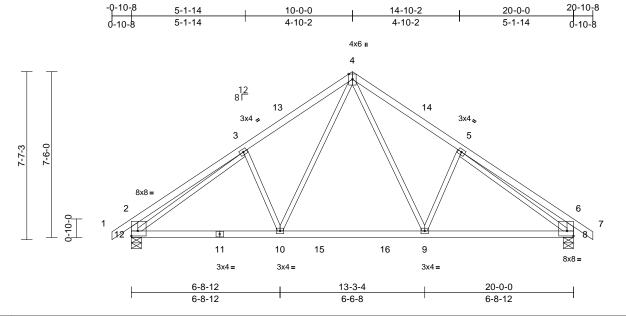
TION IEW



| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | E2    | Common     | 3   | 1   | Job Reference (optional) | 166371526 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:50 ID:g22mK39Nw47cxSilq5aBGryg\_02-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f D-





#### Plate Offsets (X, Y): [2:Edge,0-2-12], [8:Edge,0-2-12]

Scale = 1:52.1

|  | X, 1). [Z.Luge,0-2-12  | ], [0.Luye,0-2-12]  |                                       |   |  |   |  |                              |                            |                               |                          |                                 |                                    |
|--|--|---|---------------------------------------|---|--|---|--|------------------------------|----------------------------|-------------------------------|--------------------------|---------------------------------|------------------------------------|
| Loading<br>TCLL (roof)<br>TCDL<br>BCLL<br>BCDL | (psf)<br>25.0<br>10.0<br>0.0*<br>10.0  | Spacing<br>Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr<br>Code  | 2-0-0<br>1.15<br>1.15<br>YES<br>IRC20 | 18/TPI2014  | CSI<br>TC<br>BC<br>WB<br>Matrix-S  | 0.34<br>0.52<br>0.74  | <b>DEFL</b><br>Vert(LL)<br>Vert(CT)<br>Horz(CT)  | in<br>-0.08<br>-0.12<br>0.03 | (loc)<br>9-10<br>9-10<br>8 | l/defl<br>>999<br>>999<br>n/a | L/d<br>240<br>180<br>n/a | PLATES<br>MT20<br>Weight: 99 lb | <b>GRIP</b><br>197/144<br>FT = 20% |
|  | 2x4 SP No.2<br>2x4 SP No.2<br>2x3 SPF No.2 *Exce<br>2400F 2.0E<br>Structural wood she<br>5-4-6 oc purlins, ex<br>Rigid ceiling directly<br>bracing.<br>(size) 8=0-5-8, 7<br>Max Horiz 12=-129 (<br>Max Uplift 8=-8 (LC<br>Max Grav 8=1011 (L | athing directly applie<br>cept end verticals.<br>applied or 10-0-0 or<br>12=0-5-8<br>LC 10)<br>12), 12=-8 (LC 12) | 5<br>ed or 6<br>C 7<br>L              | <ul> <li>on the bottor<br/>3-06-00 tall I<br/>chord and an</li> <li>All bearings<br/>capacity of 5</li> <li>Provide mec<br/>bearing plate<br/>12 and 8 lb u</li> <li>This truss is<br/>International</li> </ul> | hanical connection<br>e capable of withsta<br>uplift at joint 8.<br>designed in accord<br>Residential Code<br>nd referenced stan | s where<br>II fit betw<br>with BC<br>SP No.<br>(by oth<br>anding 8<br>dance w<br>sections | a rectangle<br>veen the bott<br>DL = 10.0ps<br>2 crushing<br>ers) of truss<br>b lb uplift at jo<br>ith the 2018<br>5 R502.11.1 a | to<br>bint                   |                            |                               |                          |                                 |                                    |
| FORCES   | (lb) - Maximum Com<br>Tension  | pression/Maximum  |                                       |   |  |   |  |                              |                            |                               |                          |                                 |                                    |
| TOP CHORD                                      | 1-2=0/40, 2-3=-492/<br>4-5=-1109/83, 5-6=-<br>2-12=-451/74, 6-8=-  | 492/72, 6-7=0/40,   |                                       |   |  |   |  |                              |                            |                               |                          |                                 |                                    |
| BOT CHORD<br>WEBS                              | 10-12=0/994, 9-10=<br>3-12=-783/0, 5-8=-7<br>4-10=-16/515, 4-9=-   | 0/694, 8-9=0/924<br>83/0, 3-10=-263/104   | ,                                     |   |  |   |  |                              |                            |                               |                          |                                 |                                    |
| , this design                                  | ed roof live loads have<br>n.<br>CE 7-16; Vult=115mph  |   | r                                     |   |  |   |  |                              |                            |                               | 4                        | TE OF I                         | MISSO                              |

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior(2R) 10-0-0 to 13-0-0, Interior (1) 13-0-0 to 20-10-8 zone; cantilever left and right exposed ; 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

 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Contraction of MISSO SCOTT M. SEVIER PE-2001018807 For PE-2001018807 STONAL ENGINE June 21,2024

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



| Job        | Truss | Truss Type    | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|---------------|-----|-----|--------------------------|-----------|
| P240574-01 | E3    | Common Girder | 1   | 3   | Job Reference (optional) | 166371527 |

10-0-0

4-10-7

5-1-9

5-1-9

ΠΠ

10

HUS26

5-1-9 5-1-9

 $\boxtimes$ 

7x8=

2

ΠΠ

11

HUS26

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:51 ID:4ukXNjh4mFYE5h6Guu?JeHytxiO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

20-0-0

5-1-9

14-10-7

4-10-7

4x6 II 3

Page: 1

IEW

DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 07/29/2024 6:57:02

812 4x6 4x6 💊 4 5 Δħ ΠΠ LAN-ΠΠ ПП ΠΠ ПП Ø 9 8 12 7 13 14 6 15 16 5x8= 3x10 II 12x12= 3x12 и HUS26 HUS26 HUS26 Special HUS26 HUS26 HUS26 7x8= HUS26 10-0-0 14-10-7 20-0-0 4-10-7 4-10-7 5-1-9

Scale = 1:54.7

### Plate Offsets (X, Y): [1:0-4-0.0-5-7]. [7:0-6-0.0-6-12]. [9:0-7-4.0-1-8]

7-6-0

0-10-0

| TCLL (roof)         25.0         Plate Grip DOL         1.15         TC         0.71         Vert(LL)         -0.08         6-7           TCDL         10.0         Lumber DOL         1.15         BC         0.75         Vert(CT)         -0.15         6-7           BCLL         0.0*         Rep Stress Incr         NO         WB         0.80         Horz(CT)         0.03         5           BCDL         10.0         Code         IRC2018/TPI2014         Matrix-S         Antrix-S         Antrix-S  | 7 >999 18 |   |
|--|-----------|---|
| <ul> <li>UMBER<br/>OP CHORD 2x4 SP No.2<br/>OT CHORD 2x4 SP No.2<br/>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br/>BcdToMS (directional); cantilever left and right<br/>exposed; end vertical left and right exposed; Lumber<br/>DCL=1.60 plate grip DCL=1.60</li> <li>This truss has been designed for a 10.0 psf bottom<br/>chord in lal areas where a rectangle<br/>3-06-00 call by 2-00-00 wide will fit between the bottom<br/>chord in all areas where a rectangle<br/>3-06-00 at lift by 2-00-00 wide will fit between the bottom<br/>chord and any other members.</li> <li>This truss has been designed for a 10.0 psf bottom<br/>chord and any other ine bottom<br/>chord in all areas where a rectangle<br/>3-06-00 tall by 2-00-00 wide will fit between the bottom<br/>chord and any other members.</li> <li>This truss is designed in accordance with the 2018<br/>International Residential Code sections R502.11.1 and<br/>R802.10.2 and referenced standard ANSI/TP1 1.</li> <li>Use Simpson Strong-Tie HU282 (14-10d Girder, 4-10d<br/>Truss) or equivalent spaced at 2-0-0 oc max. starting at<br/>1-11-4 from the left end to 17-11-4 to connect trus(les) 1359<br/>Ib down at 19-9-4 on bottom chord.</li> <li>Final mail holes where hanger is in contact with lumber.</li> <li>Hanger(s) or other connection device(s) shall be<br/>provided sufficient of support concentrated load(s) 1359<br/>Ib down at 19-9-4 on bottom chord.</li> <li>Data reconsidered qually applied to all plies,<br/>except if noted as follows: 2x10 - 2 rows<br/>staggered 1 of 0-40 oc.</li> <li>Mit base there hanger is in contact with lumber.</li> <li>Hanger(s) or other connection device(s) shall be<br/>provided sufficient of support concentrated load(s) 1359<br/>Ib down at 19-9-4 on bottom chord.</li> <li>Data Hood Live (balanced): Lumber Increase=1.15,<br/>Plate Increase=1.15<br/>Uniform Loads (lb)<br/>Vert: 5-1337 (F), 15=-1347 (F), 13=-1347<br/>(F), 14=-1347 (F), 15=-1347 (F), 13=-1347<br/>(F), 14=-1347 (F), 15=-1347 (F)</li> </ul> |           | SCOTT M.<br>SEVIER<br>VICE<br>PE-2001018807<br>June 21,2024 |

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

| Job        | Truss | Truss Type             | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | G1    | Common Supported Gable | 1   | 1   | Job Reference (optional) | 166371528 |

Loading

TCDL

BCLL

BCDL

WEBS

OTHERS

BRACING

FORCES

BOT CHORD

this design.

WEBS

NOTES

1)

8-10=-168/98

15-16=-34/48, 14-15=-34/48, 13-14=-34/48,

12-13=-34/48, 11-12=-34/48, 10-11=-34/48

6-12=-148/76.7-11=-148/104

Unbalanced roof live loads have been considered for

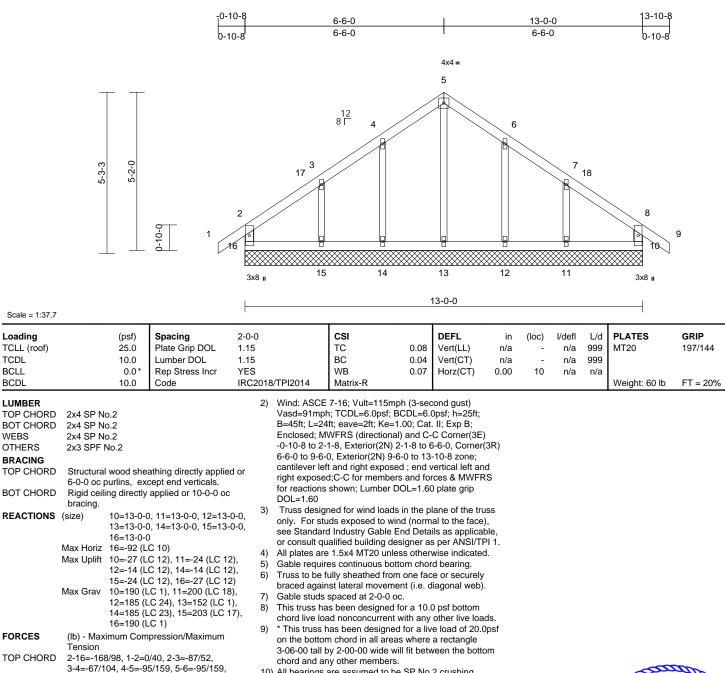
5-13=-118/25. 4-14=-148/76. 3-15=-149/104.

LUMBER

TCLL (roof)

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:51 ID:Ra??scXYbZ1xerByBMoV9mytxia-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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- 10) All bearings are assumed to be SP No.2 crushing 6-7=-68/104, 7-8=-77/42, 8-9=0/40, capacity of 565 psi.
  - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 16, 27 lb uplift at joint 10, 14 lb uplift at joint 14, 24 lb uplift at joint 15, 14 lb uplift at joint 12 and 24 lb uplift at ioint 11.
  - 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. LOAD CASE(S) Standard



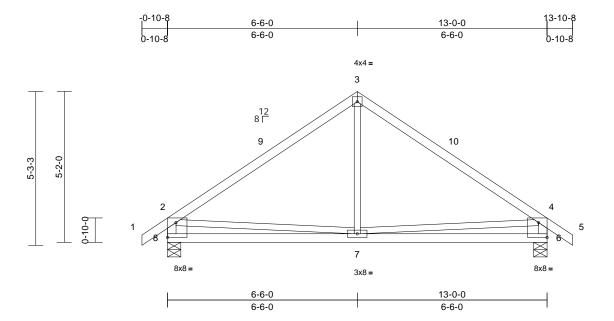
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a trust system. Before use,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



| Job        | Truss | Truss Type Qty Ply Roof - HR Lot 193 |   | Roof - HR Lot 193 |                          |           |
|------------|-------|--------------------------------------|---|-------------------|--------------------------|-----------|
| P240574-01 | G2    | Common                               | 1 | 1                 | Job Reference (optional) | 166371529 |

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#### Plate Offsets (X, Y): [6:Edge,0-6-2], [8:Edge,0-6-2]

|  | (X, T). [0.Luge,0-0-2],                                    | [0.Luge,0-0-2]                |               |   |  |                                  |   |             |              |                |            | -              |                        |
|--|--|-------------------------------|---------------|---|--|----------------------------------|---|-------------|--------------|----------------|------------|----------------|------------------------|
| Loading<br>TCLL (roof)   | (psf)<br>25.0  | Spacing<br>Plate Grip DOL     | 2-0-0<br>1.15 |   | CSI<br>TC  | 0.58                             |   | in<br>-0.03 | (loc)<br>6-7 | l/defl<br>>999 | L/d<br>240 | PLATES<br>MT20 | <b>GRIP</b><br>197/144 |
| TCDL   | 10.0   | Lumber DOL                    | 1.15          |   | BC   | 0.38                             |   | -0.07       | 6-7          | >999           | 180        |                |                        |
| BCLL   | 0.0*   | Rep Stress Incr               | YES           |   | WB   | 0.12                             | Horz(CT)  | 0.01        | 6            | n/a            | n/a        |                |                        |
| BCDL   | 10.0   | Code                          | IRC201        | 8/TPI2014   | Matrix-S   |                                  |   |             |              |                |            | Weight: 61 lb  | FT = 20%               |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>BRACING<br>TOP CHORD | 2x4 SP No.2<br>2x3 SPF No.2 *Exce                          |                               |               | capacity of 5<br>Provide med<br>bearing plate<br>8 and 13 lb<br>This truss is | hanical connection<br>capable of withsta<br>uplift at joint 6.<br>designed in accord | i (by oth<br>anding 1<br>dance w | ers) of truss<br>3 lb uplift at<br>ith the 2018 | joint       |              |                |            |                |                        |
| BOT CHORD  | 6-0-0 oc purlins, ex<br>Rigid ceiling directly<br>bracing. |                               | c LO          |   | Residential Code<br>nd referenced stan<br>Standard                                   |                                  |   | and         |              |                |            |                |                        |
| REACTIONS  | U  | : 10)<br>: 12), 8=-13 (LC 12) |               |   |  |                                  |   |             |              |                |            |                |                        |
| FORCES   | (lb) - Maximum Com<br>Tension                              | pression/Maximum              |               |   |  |                                  |   |             |              |                |            |                |                        |
| TOP CHORD  |  | , ,                           |               |   |  |                                  |   |             |              |                |            |                |                        |
| BOT CHORD  |  |                               |               |   |  |                                  |   |             |              |                |            |                |                        |
| WEBS   | 3-7=0/271, 2-7=-115  | 5/170, 4-7=-115/170           |               |   |  |                                  |   |             |              |                |            |                |                        |
| NOTES  |  |                               |               |   |  |                                  |   |             |              |                |            |                |                        |
|  | ed roof live loads have                                    | been considered fo            | r             |   |  |                                  |   |             |              |                |            |                |                        |
| this design  | n.<br>CE 7-16; Vult=115mph                                 | (2 second quist)              |               |   |  |                                  |   |             |              |                |            |                | ~                      |
|  | nph; TCDL=6.0psf; BC                                       |                               |               |   |  |                                  |   |             |              |                |            | STATE OF I     | and the                |
|  | =24ft; eave=4ft; Ke=1.0                                    |                               |               |   |  |                                  |   |             |              |                |            | FE OF I        | VIISS D                |
|  | MWFRS (directional)  |                               |               |   |  |                                  |   |             |              |                | B          | A.M.           | N.S.                   |
|  | 2-1-8, Interior (1) 2-1-                                   |                               | 2R)           |   |  |                                  |   |             |              |                | R          | SCOT           | TM. CAN                |
|  | -6-0, Interior (1) 9-6-0 t<br>left and right exposed       |                               | d             |   |  |                                  |   |             |              | 5              | B          | SEV            | ER \ Y                 |
|  | sed;C-C for members  |                               |               |   |  |                                  |   |             |              | (              | 8 *        |                | 1 * 1                  |
|  |  |                               | -             |   |  |                                  |   |             |              |                | N N        |                |                        |

- for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom 3)
- chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf 4) 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.

June 21,2024

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



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PE-200101880

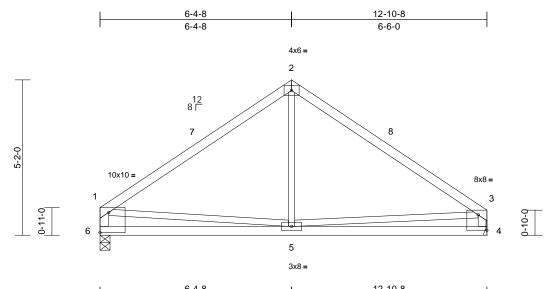
SIONAL

| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | G3    | Common     | 4   | 1   | Job Reference (optional) | 166371530 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:51 ID:gQRVK?imNnq8FdvXjMtueRzZO3R-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

7J4zJC?f



| 6-4-8 | 12-10-8 |
|-------|---------|
| 6-4-8 | 6-6-0   |
|       |         |

#### Plate Offsets (X, Y): [1:Edge,0-8-2], [3:Edge,0-6-2]

Scale = 1:38.3

| Loading     | (psf)                              | Spacing                | 2-0-0   |               | CSI                |              | DEFL       | in    | (loc) | l/defl | L/d | PLATES                    | GRIP     |
|-------------|------------------------------------|------------------------|---------|---------------|--------------------|--------------|------------|-------|-------|--------|-----|---------------------------|----------|
| TCLL (roof) | 25.0                               | Plate Grip DOL         | 1.15    |               | TC                 | 0.67         | Vert(LL)   | -0.03 | 4-5   | >999   | 240 | MT20                      | 197/144  |
| TCDL        | 10.0                               | Lumber DOL             | 1.15    |               | BC                 | 0.36         | Vert(CT)   | -0.07 | 4-5   | >999   | 180 |                           |          |
| BCLL        | 0.0*                               | Rep Stress Incr        | YES     |               | WB                 | 0.08         | Horz(CT)   | 0.01  | 4     | n/a    | n/a |                           |          |
| BCDL        | 10.0                               | Code                   | IRC2018 | 3/TPI2014     | Matrix-S           |              |            |       |       |        |     | Weight: 58 lb             | FT = 20% |
| LUMBER      |                                    |                        | 5)      | Bearings are  | assumed to be:     | · Joint 6 SF | No 2 crush | ina   |       |        |     |                           |          |
| TOP CHORD   | 2x4 SP No.2                        |                        | 0)      | capacity of 5 |                    |              |            |       |       |        |     |                           |          |
| BOT CHORD   | 2x4 SP No.2                        |                        | 6)      | Refer to gird | er(s) for truss to | truss conn   | ections.   |       |       |        |     |                           |          |
| WEBS        | 2x3 SPF No.2 *Exce                 | ept* 6-1,4-3:2x4 SP    | No.2 7) |               | designed in acco   |              |            |       |       |        |     |                           |          |
| BRACING     |                                    | •                      |         |               | Residential Cod    |              |            | and   |       |        |     |                           |          |
| TOP CHORD   | Structural wood she                | athing directly applie |         |               | nd referenced st   | andard AN    | SI/TPI 1.  |       |       |        |     |                           |          |
|             | 5-3-0 oc purlins, ex               |                        |         | AD CASE(S)    | Standard           |              |            |       |       |        |     |                           |          |
| BOT CHORD   | Rigid ceiling directly             | applied or 10-0-0 o    | С       |               |                    |              |            |       |       |        |     |                           |          |
|             | bracing.                           |                        |         |               |                    |              |            |       |       |        |     |                           |          |
|             | (                                  | anical, 6=0-4-0        |         |               |                    |              |            |       |       |        |     |                           |          |
|             | Max Horiz 6=-83 (LC                | ,                      |         |               |                    |              |            |       |       |        |     |                           |          |
|             | Max Grav 4=566 (L0                 | ,, ( )                 |         |               |                    |              |            |       |       |        |     |                           |          |
| FORCES      | (lb) - Maximum Com                 | pression/Maximum       |         |               |                    |              |            |       |       |        |     |                           |          |
| TOP CHORD   | Tension                            | 22/02 4 0 544/05       |         |               |                    |              |            |       |       |        |     |                           |          |
| TOP CHORD   | 1-2=-619/62, 2-3=-6<br>3-4=-510/66 | 22/02, 1-0=-311/03,    |         |               |                    |              |            |       |       |        |     |                           |          |
| BOT CHORD   | 5-6=-77/293, 4-5=-6                | 4/305                  |         |               |                    |              |            |       |       |        |     |                           |          |
| WEBS        | 2-5=0/257, 1-5=0/21                |                        |         |               |                    |              |            |       |       |        |     |                           |          |
| NOTES       | ,                                  | ,                      |         |               |                    |              |            |       |       |        |     |                           |          |
|             | ed roof live loads have            | been considered fo     | r       |               |                    |              |            |       |       |        |     |                           |          |
| this design |                                    |                        | •       |               |                    |              |            |       |       |        |     |                           |          |
| 0           | CE 7-16; Vult=115mph               | (3-second gust)        |         |               |                    |              |            |       |       |        |     |                           |          |
| Vasd=91m    | nph; TCDL=6.0psf; BC               | DL=6.0psf; h=25ft;     |         |               |                    |              |            |       |       |        |     |                           | Th       |
| B=45ft; L=  | 24ft; eave=4ft; Ke=1.0             | 0; Cat. II; Exp B;     |         |               |                    |              |            |       |       |        |     | Contraction of the second | and the  |

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior (1) 3-3-4 to 6-6-0, Exterior(2R) 6-6-0 to 9-6-0, Interior (1) 9-6-0 to 12-10-4 zone; cantilever left and right exposed ; 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) 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.

SCOTT M. SEVIER PE-2001018807 FR-SSIONAL ENGINE June 21,2024

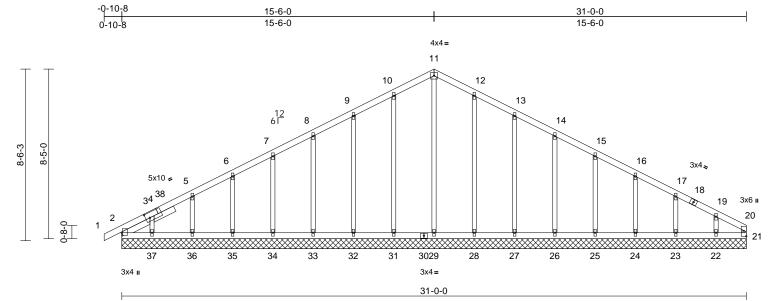
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



| Job        | Truss | Truss Type             | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | H1    | Common Supported Gable | 1   | 1   | Job Reference (optional) | 166371531 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:51 ID:vnZN4yYALs9oG?m9k4JkhzytxiZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:57.2

# Plate Offsets (X, Y): [2:0-1-8,0-0-5], [4:0-2-8,0-3-0]

|   | (,,,,,), <u>L</u> _10 , 0,0 0 0  | ],[   |   |   |  |  |  |  |   |  |  |   |   |
|---|--|---|---|---|--|--|--|--|---|--|--|---|---|
| Loading<br>TCLL (roof)<br>TCDL<br>BCLL<br>BCDL  | (psf)<br>25.0<br>10.0<br>0.0*<br>10.0  | Spacing<br>Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr<br>Code  | 2-0-0<br>1.15<br>1.15<br>YES<br>IRC2018 | /TPI2014  | CSI<br>TC<br>BC<br>WB<br>Matrix-S  | 0.06<br>0.04<br>0.19   | <b>DEFL</b><br>Vert(LL)<br>Vert(CT)<br>Horz(CT)  | in<br>n/a<br>n/a<br>0.00                     | (loc)<br>-<br>-<br>21   | l/defl<br>n/a<br>n/a<br>n/a  |  | PLATES<br>MT20<br>Weight: 154 lb  | <b>GRIP</b><br>197/144<br>FT = 20%  |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>OTHERS<br>SLIDER<br>BRACING<br>TOP CHORD<br>BOT CHORD | Left 2x4 SP No.2<br>Structural wood she<br>6-0-0 oc purlins, ez  | eathing directly applied  | d or BO                                 | P CHORD   | 5-6=-97/76, 6-7=<br>8-9=-78/119, 9-1<br>11-12=-97/188, 1<br>13-14=-61/119, 1<br>16-17=-51/19, 17<br>20-21=-49/7<br>2-37=-28/81, 36-<br>34-35=-28/81, 32<br>21-32=-28/81, 26                                  | -91/69, 7-<br>0=-80/156<br> 2-13=-80,<br> 4-15=-50,<br>7-19=-56/2<br>37=-28/81<br>3-34=-28/8<br>9-31=-28/8<br>5-27=-28/8 | 8=-84/83,<br>10-11=-97/<br>156,<br>83, 15-16=-5<br>5, 19-20=-92<br>, 35-36=-28/8<br>1, 32-33=-28<br>1, 28-29=-28<br>1, 25-26=-28 | 0/48,<br>/42,<br>31,<br>/81,<br>/81,<br>/81, | 7) Th<br>cha<br>8) * T<br>on<br>3-C<br>cha<br>9) All<br>cal<br>10) Pro<br>bea | is truss h<br>bord live h<br>his truss<br>the botto<br>06-00 tall<br>bord and a<br>bearing<br>boacity of<br>bovide me<br>aring pla | has bee<br>oad not<br>s has be<br>om cho<br>I by 2-0<br>any oth<br>s are as<br>565 ps<br>echanic<br>ite capa | een designed for<br>rd in all areas wh<br>0-00 wide will fit<br>er members.<br>ssumed to be SP<br>i.<br>al connection (by<br>able of withstandi | any other live loads.<br>a live load of 20.0psf<br>ere a rectangle<br>between the bottom<br>No.2 crushing<br>others) of truss to<br>ng 3 lb uplift at joint |
| REACTIONS   | (size) 2=31-0-0<br>23=31-0-<br>26=31-0-<br>29=31-0-<br>33=31-0-<br>33=31-0-<br>36=31-0-<br>Max Horiz 2=120 (L<br>Max Uplift 2=-3 (LC | 10), 22=-30 (LC 12),  | 0-0, WE<br>0-0, 0-0,                    | BS  | 24-25=-28/81, 25<br>21-22=-28/81<br>11-29=-117/25, 1<br>9-32=-139/59, 8<br>6-35=-140/55, 5<br>12-28=-140/55, 1<br>14-26=-140/55, 1<br>16-24=-139/55, 1<br>19-22=-128/102                                     | 10-31=-14<br>33=-140/5<br>36=-142/5<br>13-27=-13<br>15-25=-14  | 9/48,<br>5, 7-34=-140<br>8, 3-37=-120<br>9/59,<br>D/56,  | /55,   | joir<br>upl<br>28<br>at j<br>30<br>11) Th<br>Inte                             | nt 33, 9 I<br>lift at join<br>, 11 lb up<br>joint 25,<br>lb uplift<br>is truss i<br>ernationa                                      | b uplift<br>nt 36, 14<br>plift at j<br>9 lb up<br>at joint<br>s desig<br>al Resid                            | at joint 34, 8 lb u<br>5 lb uplift at joint<br>5 int 27, 8 lb uplift<br>lift at joint 24, 5 lb<br>22.<br>ned in accordanc                       | ions R502.11.1 and  |
|   | 25=-8 (L<br>27=-11 (<br>31=-3 (L<br>33=-8 (L<br>37=-15 (<br>Max Grav 2=151 (L<br>22=165 (  | LC 18), 21=65 (LC 17)<br>(LC 24), 23=184 (LC 1  | , 1)<br>, 2)<br>,,                      | this design.<br>Wind: ASC<br>Vasd=91mj<br>B=45ft; L=3<br>Enclosed; M<br>-0-10-8 to 2                              | d roof live loads ha<br>E 7-16; Vult=115n<br>ph; TCDL=6.0psf;<br>31ft; eave=2ft; Ke=<br>WWFRS (direction<br>2-2-11, Exterior(2N  | nph (3-sec<br>BCDL=6.0<br>=1.00; Cat<br>al) and C-<br>N) 2-2-11 t  | cond gust)<br>Dpsf; h=25ft;<br>II; Exp B;<br>C Corner(3E)<br>o 15-6-0, Cor   | )<br>mer                                     |   | CASE(S   | S) Sta   |   | MISSOL  |
| FORCES  | 26=180 (<br>28=189 (<br>31=189 (<br>33=180 (<br>35=179 (<br>37=156 (   | (LC 24), 25=180 (LC 1<br>(LC 24), 27=179 (LC 24<br>(LC 24), 29=152 (LC 1<br>(LC 23), 32=179 (LC 2<br>(LC 1), 34=180 (LC 23<br>(LC 1), 36=183 (LC 23<br>(LC 17)<br>mpression/Maximum | 4),<br>),<br>23),<br>3),<br>3), 3)      | zone; cantil<br>and right ex<br>MWFRS fo<br>grip DOL=1<br>Truss desi<br>only. For s<br>see Standa<br>or consult c | ) to 18-7-3, Exteric<br>lever left and right<br>kposed;C-C for me<br>r reactions shown<br>l.60<br>gned for wind load<br>tuds exposed to w<br>trd Industry Gable<br>qualified building d<br>re 1.5x4 MT20 uni | exposed<br>embers an<br>; Lumber I<br>ds in the p<br>vind (norm<br>End Deta<br>lesigner as                               | end vertical<br>d forces &<br>DOL=1.60 pla<br>ane of the tru<br>al to the face<br>ils as applical<br>s per ANSI/TF               | left<br>ite<br>iss<br>),<br>ble,<br>PI 1.    |   | ,  |  | PE-2001   | SER<br>018807   |

5) Gable requires continuous bottom chord bearing.



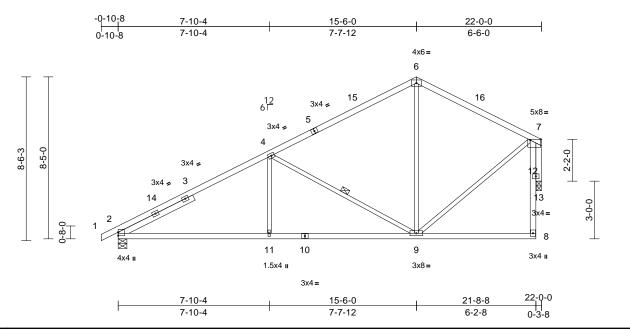


07/29/2024 6:57:02

| Job        | Truss | Truss Type Qty Ply Roof - HR Lot 193 |   |   |                          |           |
|------------|-------|--------------------------------------|---|---|--------------------------|-----------|
| P240574-01 | H2    | Common                               | 6 | 1 | Job Reference (optional) | 166371532 |

#### Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:51 ID:kwweK0dxxiwx\_wEJ5LQ8xEytxiT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:59.9

| Loading<br>TCLL (roof)<br>TCDL<br>BCLL<br>BCDL                                   | (psf)<br>25.0<br>10.0<br>0.0*<br>10.0   | <b>Spacing</b><br>Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr<br>Code   |                        | /TPI2014  | CSI<br>TC<br>BC<br>WB<br>Matrix-S   | 0.85<br>0.64<br>0.57   | DEFL<br>Vert(LL)<br>Vert(CT)<br>Horz(CT)   | in<br>-0.09<br>-0.20<br>0.10 | (loc)<br>2-11<br>2-11<br>13 | l/defl<br>>999<br>>999<br>n/a | L/d<br>240<br>180<br>n/a | PLATES<br>MT20<br>Weight: 110 lb | <b>GRIP</b><br>244/190<br>FT = 20% |
|--|---|---|------------------------|---|---|--|--|------------------------------|-----------------------------|-------------------------------|--------------------------|----------------------------------|------------------------------------|
| FORCES<br>TOP CHORD<br>BOT CHORD<br>WEBS   | 2x4 SP No.2<br>2x3 SPF No.2 *Exce<br>2x4 SP No.2 *Exce<br>2x4 SP No.2 4<br>Structural wood she<br>4-2-1 oc purlins, ex<br>Rigid ceiling directly<br>bracing.<br>1 Row at midpt<br>(size) 2=0-5-8, 7<br>Max Horiz 2=135 (LC<br>Max Grav 2=1046 (L<br>(lb) - Maximum Com<br>Tension | 4-4-4<br>athing directly applie<br>cept end verticals.<br>applied or 10-0-0 or<br>4-9<br>13=0-3-2<br>C 11)<br>C 1), 13=955 (LC 1<br>pression/Maximum<br>61, 4-6=-776/95,<br>)/103, 7-12=0/103<br>11=-153/1262, 8-9=-<br>)/98, 4-11=0/333, | 5)<br>6)<br>c 7)<br>LO | on the bottor<br>3-06-00 tall to<br>chord and ar<br>All bearings<br>capacity of 5<br>Bearing at jo<br>using ANSI/<br>designer sho<br>This truss is<br>International | int(s) 13 considers<br>TPI 1 angle to grain<br>ould verify capacity<br>designed in accord<br>Residential Code s<br>nd referenced stan | s where<br>I fit betw<br>SP No.<br>paralle<br>formul<br>of bear<br>lance w<br>sections | a rectangle<br>veen the bott<br>2 crushing<br>to grain valu<br>a. Building<br>ng surface.<br>ith the 2018<br>5 R502.11.1 a | om                           |                             |                               |                          |                                  |                                    |
| this design<br>2) Wind: ASC<br>Vasd=91m<br>B=45ft; L=<br>Enclosed;<br>-0-10-8 to | ed roof live loads have<br>CE 7-16; Vult=115mph<br>nph; TCDL=6.0psf; BC<br>.24ft; eave=4ft; Ke=1.0<br>MWFRS (directional)<br>2-1-8, Interior (1) 2-1-1<br>18-6-0, Interior (1) 18-6   | (3-second gust)<br>DL=6.0psf; h=25ft;<br>)0; Cat. II; Exp B;<br>and C-C Exterior(2E<br>8 to 15-6-0, Exterior  | )                      |   |   |  |  |                              |                             |                               |                          | STATE OF M                       | MISSOUR<br>T.M.<br>ER              |

cantilever left and right exposed ; 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) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads.

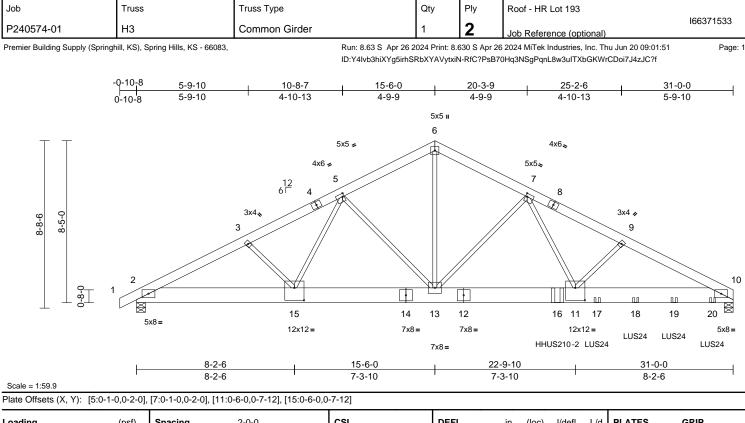
SCOTT M. SEVIER PE-2001018807 PE-2001018807 June 21,2024





| Job        | Truss | Truss Type    |   | Ply | Roof - HR Lot 193        |           |
|------------|-------|---------------|---|-----|--------------------------|-----------|
| P240574-01 | Н3    | Common Girder | 1 | 2   | Job Reference (optional) | 166371533 |

8-8-6



| Loading<br>TCLL (rod)         (pst)<br>2.60         Spacing<br>Plate Grp DOL<br>Lumber DOL<br>Code         2-0-0         CSI<br>TC         0.38         DEFL<br>0.05         in<br>(to: 1)         Udding<br>Lud         PLATES<br>0.05         GRIP<br>MIZ0           BCLL         0.00         Rep Stress Inr         NO         TC         0.38         Vert(CT)         -0.57         11-13         >999         240           BCLL         0.00         Rep Stress Inr         NO         WD         0.55         Har2(CT)         0.06         10         n/a         n/a           DCUL         0.00         Code         Image: Stress Inr         NO         WD         9.55         Har2(CT)         0.06         10         n/a         n/a         MIZ0         197/144           DCUL         10.0         Code         Image: Stress Inr         NO         WD         9.55         Har2(CT)         0.06         10         n/a         n/a         N/a           DCUL         100         Code Internation Internatinterenation Internation Internation Internation Internati   | Plate Offsets (   | X, Y): [5:0-1-0,0-2-0],   | , [7:0-1-0,0-2-0], [11:0  | J-6-0,0-7-  | 12], [15:0-6-0,0  | -7-12]   |  |   |  |                |              |  | -        | -        |
|---|---|---|---|---|---|--|--|---|--|----------------|--------------|--|----------|----------|
| <ul> <li>TOP CHORD 2t6 SPF No.2</li> <li>WEBS 2x3 SPF No.2</li> <li>BRACING</li> <li>TOP CHORD Structural wood sheathing directly applied or 10-0-0 or bracing.</li> <li>REACTIONS (size) 2-0-5-8, 10-0-5-8 Max Horiz 2-113 (LC 7) Max Grav 2-2737 (LC 1), 10-5740 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1:2-0027, 2-3-51340, 3-5=-48970, 5-6=-45110, 6-7=-45110, 7-9=-951400, 5-6=-45110, 6-7=-45110, 7-9=-951400, 9-1097210 BOT CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 9-101360/R545 METES 6:13=-002587, 3-15=-236/105, 5-15=-63/246, 5:13=-412136, 7-13=-356800, 7-11=0/6340, 10:14=08565 METES (1) 2-2917 (2) 2-20-27, 2-3-51340, 3-5=-48970, CASE (S) section. PR do 1 all biose where hanger is in contact with lumber. 10 2-4910 BOT CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=08565 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=08565 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=08565 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=0856 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=08565 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=08565 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=0856 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=0856 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=0856 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6344, 10:11=1605 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/6244, 10:10=11=1864 CHORD 2:15=0/4465, 12-15=0/4238, 11-13=0/124, 11:11=11 CHORD 2:15=0/46(F), 12=546 (F), 11:11=11 CHORD 2:15=0/46(F), 12=546 (F), 12:11=11 CHORD 2:15=0/46(F), 12:15=0/46(F), 13:12:11:11 CHORD 2:15=0/46(F), 12:15=0/46(F), 13:12:11:11 CHORD 2:15=0/46(F), 12:15=0/46(F), 13:12:11:11:11 CHORD 2:15=0/46(F), 13:12:11:11:11:11:11:11:11:11:11:11:11:11:</li></ul> | TCLL (roof)<br>TCDL<br>BCLL   | 25.0<br>10.0<br>0.0*  | Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr   | 1.15<br>1.15<br>NO  | 8/TPI2014   | TC<br>BC<br>WB   | 0.87   | Vert(LL)<br>Vert(CT)  | -0.15<br>-0.27   | 11-13<br>11-13 | >999<br>>999 | 240<br>180                               | MT20     | 197/144  |
| this design.  | TOP CHORD<br>BOT CHORD<br>WEBS<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS<br>FORCES<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>1) 2-ply truss<br>(0.131"x3"<br>Top chord<br>staggered<br>Web conn<br>2) All loads a<br>except if n<br>CASE(S) s<br>provided tu<br>unless oth | 2x10 HF No.2<br>2x3 SPF No.2<br>Structural wood she<br>4-8-7 oc purlins.<br>Rigid ceiling directly<br>bracing.<br>(size) 2=0-5-8, 7<br>Max Horiz 2=113 (LC<br>Max Grav 2=2737 (L<br>(Ib) - Maximum Com<br>Tension<br>1-2=0/27, 2-3=-5134<br>5-6=-4511/0, 6-7=-4<br>9-10=-9721/0<br>2-15=0/4465, 13-15=<br>10-11=0/8545<br>6-13=0/3587, 3-15=<br>5-13=-412/136, 7-13<br>9-11=-136/172<br>to be connected toge<br>) nails as follows:<br>s connected as follows<br>at 0-9-0 oc.<br>ords connected as follows<br>at 0-5-0 oc.<br>ected as follows: 2x3 -<br>re considered equally<br>oted as front (F) or ba<br>section. Ply to ply com<br>o distribute only loads<br>erwise indicated. | applied or 10-0-0 oc<br>10=0-5-8<br>C 7)<br>LC 1), 10=5740 (LC 1<br>apression/Maximum<br>4/0, 3-5=-4897/0,<br>511/0, 7-9=-9514/0,<br>=0/4238, 11-13=0/63<br>-245/105, 5-15=-63/2<br>3=-3568/0, 7-11=0/50<br>ther with 10d<br>s: 2x6 - 2 rows<br>ows: 2x10 - 4 rows<br>-1 row at 0-9-0 oc.<br>applied to all plies,<br>ck (B) face in the LO<br>nections have been<br>noted as (F) or (B), | d or 5;<br>6;<br>() 7;<br>8;<br>40, 9;<br>40, 9;<br>46, 11<br>138, 11<br>1,<br>1,<br>AD | Vasd=91mpł<br>B=45ft; L=31<br>Enclosed; M<br>exposed; en<br>DOL=1.60 pl<br>This truss ha<br>chord live loa<br>* This truss ha<br>chord live loa<br>* This truss ha<br>chord and ar<br>All bearings;<br>capacity of 4<br>This truss is<br>International<br>R802.10.2 ar<br>0 Use Simpsor<br>10-10d Truss<br>21-10-7 from<br>face of bottoo<br>0) Use Simpsor<br>Truss, Single<br>oc max. start<br>to connect fr<br>1) Fill all nail ho<br><b>OAD CASE(S)</b><br>Dead + Roo<br>Plate Increa<br>Uniform Loo<br>Vert: 1-6:<br>Concentratt | h; TCDL=6.0psf; B<br>ft; eave=4ft; Ke=1<br>WFRS (directional<br>divertical left and i<br>ate grip DOL=1.60<br>is been designed f<br>ad nonconcurrent v<br>has been designed<br>in chord in all areas<br>by 2-00-00 wide wi<br>yy other members.<br>are assumed to be<br>05 psi.<br>designed in accord<br>Residential Code<br>in d referenced stan<br>n Strong-Tie HHUS<br>s, Single Ply Girde<br>the left end to cor<br>m chord.<br>n Strong-Tie LUS2<br>b Ply Girder) or equing at 23-11-4 fror<br>uss(es) to front fac<br>bles where hanger<br>Standard<br>of Live (balanced):<br>ase=1.15<br>ads (lb/ft)<br>=-70, 6-10=-70, 2-<br>ed Loads (lb) | CDL=6.<br>.00; Cat<br>.00; Cat<br>.00; Cat<br>.10; | Opsf; h=25ft;<br>. II; Exp B;<br>ver left and ri<br>oosed; Lumbe<br>D psf bottom<br>other live load<br>other live load<br>of 2000<br>a rectangle<br>veen the botto<br>2 crushing<br>ith the 2018<br>is R502.11.1 a<br>JSI/TPI 1.<br>30-10d Girden<br>uivalent at<br>iss(es) to from<br>d Girder, 2-100<br>spaced at 2-00<br>t end to 29-11<br>norease=1.1 | er<br>ds.<br>Dpsf<br>om<br>nd<br>r,<br>t<br>t<br>d<br>J-0<br>I-4<br>ber. |                |              | le l | PE-20010 | L ENGINE |

June 21,2024

DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/29/2024 6:57:02

ΓΙΟΝ

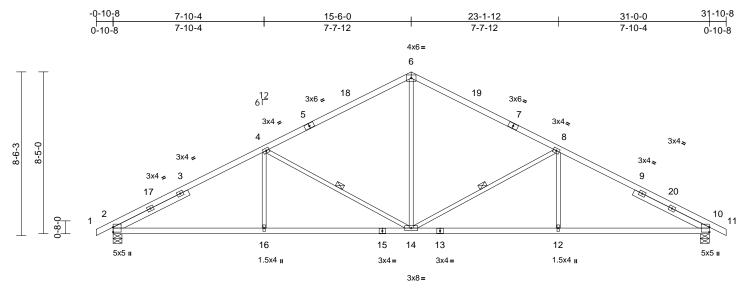
IEW

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

| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | H4    | Common     | 3   | 1   | Job Reference (optional) | 166371534 |

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Page: 1



|                | L             | 7-10-4         | 1     | 15-6-0 | 1    |          | 23-1-12 |       |        |     | 31-0-0 |         |  |
|----------------|---------------|----------------|-------|--------|------|----------|---------|-------|--------|-----|--------|---------|--|
|                | I             | 7-10-4         |       | 7-7-12 | Į.   |          | 7-7-12  |       |        |     | 7-10-4 |         |  |
| Scale = 1:59.9 |               |                |       |        |      |          |         |       |        |     |        |         |  |
| Loading        | (psf)         | Spacing        | 2-0-0 | csi    |      | DEFL     | in      | (loc) | l/defl | L/d | PLATES | GRIP    |  |
| TCLL (roof)    | (psi)<br>25.0 | Plate Grip DOL | 1.15  | TC     |      | Vert(LL) |         | · · · |        |     | MT20   | 244/190 |  |
| ( )            |               |                |       | -      |      | ( )      |         |       |        |     |        | 244/190 |  |
| TCDL           | 10.0          | Lumber DOL     | 1.15  | BC     | 0.72 | Vert(CT) | -0.23   | 10-12 | >999   | 180 |        |         |  |

0.54

Horz(CT)

0.10

10

n/a n/a

Weight: 141 lb FT = 20%

| BCDL      | 10.0                 | Code                    | IRC2018           | /TPI2014               |
|-----------|----------------------|-------------------------|-------------------|------------------------|
| LUMBER    |                      |                         | 4)                | This truss             |
| TOP CHORD | 2x4 SP 1650F 1.5E *  | Except* 1-5,7-11:2x4    | I SP              | chord live             |
|           | No.2                 |                         | 5)                | * This tru             |
| BOT CHORD |                      |                         |                   | on the bo              |
| WEBS      | 2x3 SPF No.2         |                         |                   | 3-06-00 t              |
| SLIDER    |                      | I-4-4, Right 2x4 SP N   |                   | chord and              |
|           | 4-4-4                |                         | 6)                | All bearin             |
| BRACING   |                      |                         |                   | capacity               |
| TOP CHORD | Structural wood shea | athing directly applied | lor <sup>7)</sup> | This truss             |
|           | 2-2-0 oc purlins.    |                         |                   | Internatio<br>R802.10. |
| BOT CHORD |                      | applied or 10-0-0 oc    |                   |                        |
|           | bracing.             |                         | LO                | AD CASE                |
| WEBS      | 1 Row at midpt       | 8-14, 4-14              |                   |                        |
| REACTIONS | (size) 2=0-5-8, 1    | 0=0-5-8                 |                   |                        |
|           | Max Horiz 2=-114 (L  | C 10)                   |                   |                        |
|           | Max Grav 2=1456 (L   | .C 1), 10=1456 (LC 1)   | )                 |                        |
| FORCES    | (lb) - Maximum Com   | pression/Maximum        |                   |                        |
|           | Tension              |                         |                   |                        |
| TOP CHORD | 1-2=0/6, 2-4=-2365/2 | 28, 4-6=-1654/86,       |                   |                        |
|           | 6-8=-1654/86, 8-10=  | -2365/28, 10-11=0/6     |                   |                        |
| BOT CHORD |                      | =0/1996, 12-14=0/199    | 96,               |                        |
|           | 10-12=0/1996         |                         |                   |                        |
| WEDC      | 6 11-0/057 9 11-7    | 60/57 0 12_0/226        |                   |                        |

0.0\*

Rep Stress Incr

YES

BCLL

WEBS 6-14=0/857, 8-14=-760/57, 8-12=0/326,

4-14=-760/57, 4-16=0/326

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; eave=4ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-10-8 to 2-2-11, Interior (1) 2-2-11 to 15-6-0, Exterior (2R) 15-6-0 to 18-7-3, Interior (1) 18-7-3 to 31-10-8 zone; cantilever left and right exposed ; 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

All plates are 3x4 MT20 unless otherwise indicated. 3)

This truss has been designed for a 10.0 psf bottom 4)

WB

Matrix-S

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. All bearings are assumed to be SP No.2 crushing 6)
- capacity of 565 psi. 7) 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.

LOAD CASE(S) Standard



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| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | H5    | Common     | 10  | 1   | Job Reference (optional) | 166371535 |

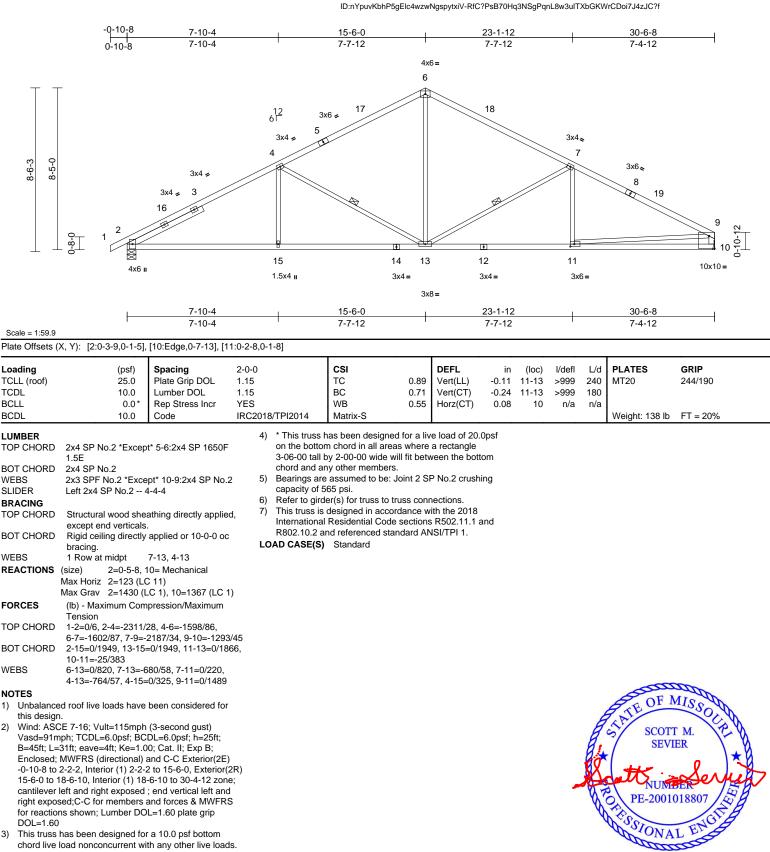
1)

2)

3)

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries. Inc. Thu Jun 20 09:01:52

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June 21,2024

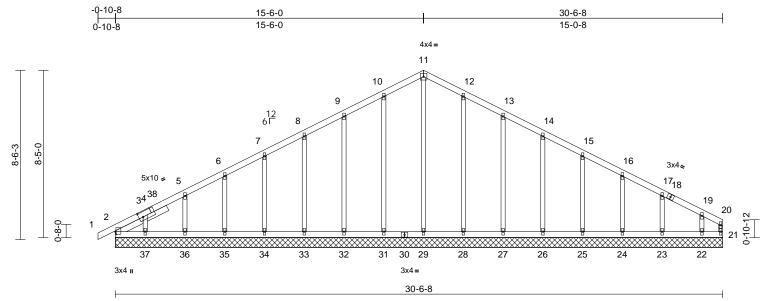
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a trust system. Before use,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



| Job        | Truss | Truss Type             | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------------------|-----|-----|--------------------------|-----------|
| P240574-01 | H8    | Common Supported Gable | 1   | 1   | Job Reference (optional) | 166371536 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:vnZN4yYALs9oG?m9k4JkhzytxiZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:57.9

# Plate Offsets (X, Y): [2:0-1-8,0-0-5], [4:0-2-8,0-3-0]

|  | (7, 1): [2:01   | 0,0 0 0],   | [1.0 2 0,0 0 0]   |   |   | -  |   |   |  |   |  |   |   |   |
|--|---|---|---|---|---|--|---|---|--|---|--|---|---|---|
| Loading  |   | (psf)   | Spacing   | 2-0-0                                       |   | CSI  |   | DEFL  | in   | (loc  | ) l/defl   | L/d   | PLATES  | GRIP  |
| TCLL (roof)  |   | 25.0  | Plate Grip DOL  | 1.15  |   | TC   | 0.06  | Vert(LL)  | n/a  |   | - n/a  | 999   | MT20  | 197/144   |
| TCDL   |   | 10.0  | Lumber DOL  | 1.15  |   | BC   | 0.04  | Vert(CT)  | n/a  |   | - n/a  | 999   |   |   |
| BCLL   |   | 0.0*  | Rep Stress Incr   | YES   |   | WB   | 0.20  | Horz(CT)  | 0.00   | 21  | n/a  | n/a   |   |   |
| BCDL   |   | 10.0  | Code  | IRC20                                       | 018/TPI2014   | Matrix-S   |   |   |  |   |  |   | Weight: 153 lb  | FT = 20%  |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>WEBS<br>OTHERS<br>SLIDER<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS | 2x4 SP No<br>2x3 SPF No<br>2x3 SPF No<br>Left 2x4 SP<br>Structural w<br>6-0-0 oc pu<br>Rigid ceiling<br>bracing.<br>(size) 2<br>2<br>2<br>3<br>Max Horiz 2<br>Max Uplift 2<br>2 | 2<br>2<br>0.2 *Exce<br>No.2 1<br>wood shea<br>urlins, exx<br>g directly<br>2=30-6-8,<br>23=30-6-8<br>23=30-6-8<br>23=30-6-8<br>23=30-6-8<br>23=30-6-8<br>22=32 (LC<br>2=-8 (LC<br>22=-42 (LC                              | ept* 4-4:2x4 SP No.2<br>1-7-0<br>athing directly applie<br>cept end verticals.<br>applied or 10-0-0 oc<br>21=30-6-8, 22=30-6<br>3, 24=30-6-8, 25=30-3<br>3, 31=30-6-8, 32=30-3<br>3, 31=30-6-8, 35=30-3<br>3, 37=30-6-8<br>C 11)<br>10), 21=-12 (LC 11),<br>C 12), 23=-6 (LC 12)  | d or<br>-8,<br>6-8,<br>6-8,<br>6-8,<br>6-8, | TOP CHORD<br>BOT CHORD<br>WEBS  |  | 12/75, 7-<br>=-81/166<br>-13=-81,<br>-15=-49,<br>19=-48/2<br>7=-26/70<br>34=-26/7<br>31=-26/7<br>27=-26/7<br>27=-26/7<br>27=-26/7<br>24=-26/7<br>-31=-144<br>3=-140/5<br>5=-142/5<br>-27=-13<br>-25=-14 | 8=-85/94,<br>, 10-11=-99/1<br>166,<br>94, 15-16=-4<br>4, 19-20=-85<br>1, 35-36=-26/7<br>0, 32-33=-26<br>0, 28-29=-26<br>0, 25-26=-26<br>0, 22-23=-26<br>3/48,<br>5, 7-33=-121<br>3/59,<br>0/56,                                     | 5/59,<br>/40,<br>70,<br>/70,<br>/70,<br>/70,<br>/70,<br>/70,<br>/70, | 7) TI<br>ct<br>8) *<br>3<br>ct<br>9) A<br>c2<br>jo<br>4<br>10) P<br>b<br>2<br>jo<br>4<br>10) P<br>11) TI<br>In<br>R | his truss h<br>nord live I<br>This truss<br>of the bott<br>06-00 tal<br>nord and<br>I bearing<br>apacity of<br>rovide me<br>earing pla<br>1, 8 lb upl<br>int 32, 8<br>blift at joir<br>int 32, 8<br>blift at joir<br>inis truss i<br>ternation | has bee<br>oad not<br>has be<br>om cho<br>l by 2-0<br>any oth<br>s are as<br>565 ps<br>bechanic<br>tte capa<br>lift at joi<br>b uplift<br>tt 35, 9<br>lift at joi<br>8 lb uplift<br>t 23 an<br>s desig<br>al Resid<br>and ref | ed at 2-0-0 oc.<br>en designed for a<br>nconcurrent with -<br>een designed for i<br>rd in all areas wh<br>0-00 wide will fit l<br>er members.<br>ssumed to be SP<br>i.<br>al connection (by<br>able of withstandi<br>int 2, 3 lb uplift at<br>at joint 33, 9 lb up<br>lb uplift at joint 36<br>int 28, 11 lb uplift<br>lift at joint 25, 9 lb<br>ud 42 lb uplift at joint<br>da 42 lb uplift at joint<br>cod an accordance<br>dential Code sect<br>erenced standard | 10.0 psf bottom<br>any other live loads.<br>a live load of 20.0psf<br>ere a rectangle<br>between the bottom<br>No.2 crushing<br>others) of truss to<br>rg 12 lb uplift at joint<br>joint 31, 11 lb uplift at joint<br>31, 11 lb uplift at joint<br>at joint 27, 8 lb uplift<br>uplift at joint 24, 6 lb<br>int 22.<br>e with the 2018<br>ions R502.11.1 and |
| FORCES   | 2<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>3<br>3<br>3<br>3  | 26=-8 (LC<br>28=-3 (LC<br>28=-3 (LC<br>28=-9 (LC<br>2=151 (LC<br>22=146 (L<br>22=146 (L<br>22=146 (L<br>22=146 (L<br>22=148 (L<br>24=178 (L<br>28=189 (L<br>33=189 (L<br>33=180 (L<br>33=180 (L<br>35=179 (L<br>37=158 (L | <ul> <li>12), 25=-8 (LC 12),</li> <li>12), 27=-11 (LC 12)</li> <li>12), 31=-3 (LC 12),</li> <li>C 12), 33=-8 (LC 12),</li> <li>12), 35=-8 (LC 12),</li> <li>12), 35=-8 (LC 12),</li> <li>12), 37=-13 (LC 12),</li> <li>C 18), 21=50 (LC 17),</li> <li>C 18), 23=187 (LC 12),</li> <li>C 19, 23=180 (LC 12),</li> <li>C 24), 25=180 (LC 12),</li> <li>C 24), 25=180 (LC 12),</li> <li>C 24), 29=158 (LC 12),</li> <li>C 24), 29=158 (LC 12),</li> <li>C 23), 32=179 (LC 22),</li> <li>C 1), 34=180 (LC 22),</li> <li>C 1), 36=183 (LC 23),</li> <li>C 17)</li> <li>pression/Maximum</li> </ul> | ,<br>),<br>)),<br>1),<br>7),<br>23),<br>3), | <ol> <li>Unbalanced<br/>this design.</li> <li>Wind: ASC<br/>Vasd=91mµ<br/>B=45ft; L=3<br/>Enclosed; N<br/>-0-10-8 to 2<br/>(3R) 15-6-0<br/>zone; cantil<br/>and right ex<br/>MWFRS fo<br/>grip DOL=1</li> <li>Truss desi<br/>only. For s<br/>see Standa<br/>or consult c</li> <li>All plates a</li> </ol> | E 7-16; Vult=115mp<br>ph; TCDL=6.0psf; B<br>31ft; eave=2ft; Ke=1<br>WWFRS (directional<br>2-2-2, Exterior(2N) 2<br>0 to 18-6-10, Exterio<br>lever left and right e<br>qposed;C-C for men<br>r reactions shown; I | oh (3-sec<br>CDL=6.0<br>.00; Cat<br>) and C-<br>-2-2 to 1<br>r(2N) 18<br>xposed<br>nbers an<br>.umber I<br>in the p<br>in the p<br>d (norm<br>nd Deta<br>signer a:<br>ss other                          | ond gust)<br>opsf; h=25ft;<br>II; Exp B;<br>C Corner(3E)<br>5-6-0, Corne<br>-6-10 to 30-5<br>end vertical<br>d forces &<br>OOL=1.60 pla<br>ane of the frue<br>al to the face<br>ils as applical<br>is per ANSI/TF<br>wise indicated | )<br>r<br>-4<br>left<br>ite<br>iss<br>),<br>ble,<br>PI 1.            |   |  |   | STATE OF M<br>SCOTT<br>SEVI<br>SEVI<br>PE-20010<br>PE-20010   | ER  |

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

TION IEW DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/29/2024 6:57:03

June 21,2024

| Job        | Truss | Truss Type  | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|-------------|-----|-----|--------------------------|-----------|
| P240574-01 | R1    | Flat Girder | 1   | 2   | Job Reference (optional) | 166371537 |

8-6-12

4-3-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

4-3-12

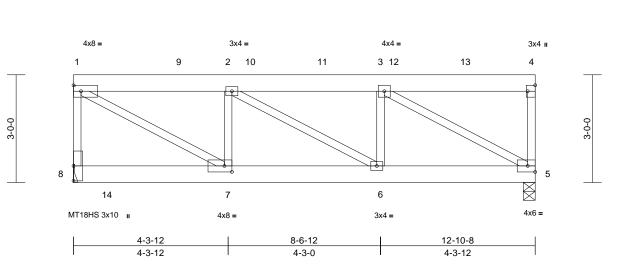
4-3-12

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:4ukXNjh4mFYE5h6Guu?JeHytxiO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

12-10-8

4-3-12

Page: 1



#### Scale = 1:32.1

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

|   | 0  |   | 001                               |  | DEEL  |                                      | (1)          | 1/-1-41        | 1.7-1      |   |                        |
|---|--|---|-----------------------------------|--|---|--------------------------------------|--------------|----------------|------------|---|------------------------|
| Loading (psf)<br>TCLL (roof) 25.0                                     |  | 2-0-0<br>1.15   | TC                                | 0.44   | DEFL<br>Vert(LL)  | in<br>-0.05                          | (loc)<br>6-7 | l/defl<br>>999 | L/d<br>240 | PLATES<br>MT20  | <b>GRIP</b><br>197/144 |
| TCDL 10.0   |  | 1.15  | BC                                | 0.44   | Vert(CT)  | -0.05                                | 6-7          | >999           | 240<br>180 | MT18HS  | 197/144                |
| BCLL 0.0*   |  | NO  | WB                                | 0.47   | Horz(CT)  | -0.09                                | 5            | >999<br>n/a    | n/a        |   | 197/144                |
| BCDL 0.0  |  | IRC2018/TPI2014   | Matrix-S                          | 0.76   |   | 0.02                                 | 5            | n/a            | n/a        | Wajahti 129 lh  | ET _ 200/              |
| BCDL 10.0   | Code   | IRC2018/1PI2014   | watrix-S                          |  |   |                                      |              |                |            | Weight: 128 lb  | F1 = 20%               |
| BOT CHORD 6-0-0 oc purlins, exe<br>Rigid ceiling directly<br>bracing. | applied or 10-0-0 oc<br>= Mechanical<br>4)<br>C 1), 8=3484 (LC 1)<br>pression/Maximum<br>973/0, 2-3=-3937/0,<br>0/0<br>973, 5-6=0/3937<br>045/0, 1-7=0/4564,<br>08<br>her with 10d<br>: 2x3 - 1 row at 0-9-0<br>I-0 oc.<br>bys: 2x6 - 2 rows<br>1 row at 0-9-0 oc.<br>applied to all plies,<br>xk (B) face in the LOAE<br>lections have been<br>hoted as (F) or (B),<br>(3-second gust)<br>DL=6.0psf; h=25ft;<br>0; Cat. II; Exp B;<br>cantilever left and right | <ul> <li>5) All plates are</li> <li>6) This truss had chord live loid</li> <li>7) * This truss had chord and an an</li></ul> | of Live (balanced): L<br>ase=1.15 | s other<br>r a 10.0<br>th any<br>for a liv<br>where<br>fit betw<br>point 5 S<br>ss conr<br>ance wi<br>ections<br>lard AN<br>.umber | wise indicate<br>psf bottom<br>other live loa<br>e load of 20.0<br>a rectangle<br>een the botto<br>PF No.2<br>ections.<br>th the 2018<br>R502.11.1 a<br>SI/TPI 1.<br>Increase=1.7 | d.<br>ds.<br>)psf<br>om<br>nd<br>15, |              |                | R          | STATE OF M<br>SCOTT<br>SEVI<br>PE-20010<br>PE-20010<br>June | DI8807                 |

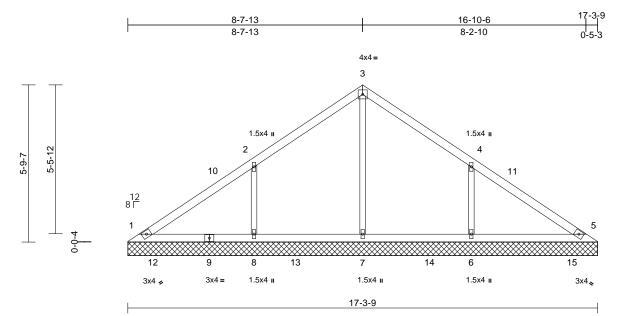
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

RELEASE ICREDIATRUCTION AS NOTED ON PLANS REVIEW DEVELORMENTS SERVICES LEETS SUMMIT'S MISSOURI 07/29/2024 6:57:03

| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE1   | Valley     | 1   | 1   | Job Reference (optional) | 166371538 |

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:nYpuvKbhP5gElc4wzwNgspytxiV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:42.4

|                               |             |              | 1                       |       |                   |                        |                 |                 |       |       |        |     | 1             |          |   |
|-------------------------------|-------------|--------------|-------------------------|-------|-------------------|------------------------|-----------------|-----------------|-------|-------|--------|-----|---------------|----------|---|
| Loading                       |             | (psf)        | Spacing                 | 2-0-0 |                   | CSI                    |                 | DEFL            | in    | (loc) | l/defl | L/d | PLATES        | GRIP     |   |
| TCLL (roof)                   |             | 25.0         | Plate Grip DOL          | 1.15  |                   | TC                     | 0.29            | Vert(LL)        | n/a   | -     | n/a    | 999 | MT20          | 244/190  |   |
| TCDL                          |             | 10.0         | Lumber DOL              | 1.15  |                   | BC                     | 0.16            | Vert(TL)        | n/a   | -     | n/a    | 999 |               |          |   |
| BCLL                          |             | 0.0*         | Rep Stress Incr         | YES   |                   | WB                     | 0.13            | Horiz(TL)       | 0.00  | 5     | n/a    | n/a |               |          |   |
| BCDL                          |             | 10.0         | Code                    | IRC20 | )18/TPI2014       | Matrix-S               |                 |                 |       |       |        |     | Weight: 63 lb | FT = 20% |   |
| LUMBER                        |             |              |                         |       | 3) Truss desig    | ned for wind loa       | ds in the p     | lane of the tru | JSS   |       |        |     |               |          |   |
| TOP CHORD                     | 2x4 SP N    | 0.2          |                         |       | only. For stu     | uds exposed to v       | ,<br>wind (norm | al to the face  | ),    |       |        |     |               |          |   |
| BOT CHORD                     | 2x4 SP N    | 0.2          |                         |       | see Standar       | d Industry Gable       | e End Deta      | ils as applica  | ble,  |       |        |     |               |          |   |
| OTHERS                        | 2x3 SPF     | No.2         |                         |       | or consult qu     | alified building o     | designer a      | s per ANSI/TI   | PI 1. |       |        |     |               |          |   |
| BRACING                       |             |              |                         |       |                   | es continuous b        |                 | rd bearing.     |       |       |        |     |               |          |   |
| TOP CHORD                     | Structura   | I wood she   | athing directly applied |       |                   | spaced at 4-0-0        |                 |                 |       |       |        |     |               |          |   |
|                               | 6-0-0 oc j  | purlins.     | 0 7 11                  |       |                   | is been designe        |                 |                 |       |       |        |     |               |          |   |
| BOT CHORD                     | Rigid ceil  | ing directly | applied or 10-0-0 oc    |       |                   | ad nonconcurrer        |                 |                 |       |       |        |     |               |          |   |
|                               | bracing.    |              |                         |       | 7) * This truss I | 0                      |                 |                 | Upst  |       |        |     |               |          |   |
| REACTIONS                     | (size)      | 1=17-3-9     | , 5=17-3-9, 6=17-3-9,   |       |                   | m chord in all are     |                 |                 | om    |       |        |     |               |          |   |
|                               |             | 7=17-3-9     | , 8=17-3-9              |       |                   | by 2-00-00 wide        |                 |                 |       |       |        |     |               |          |   |
|                               | Max Horiz   | 1=-85 (LC    | C 10)                   |       |                   | are assumed to         |                 |                 |       |       |        |     |               |          |   |
|                               |             | · ·          | C 12), 8=-44 (LC 12)    |       | capacity of 5     |                        |                 | .z crushing     |       |       |        |     |               |          |   |
|                               | Max Grav    |              | C 18), 5=175 (LC 1),    |       |                   | hanical connecti       | ion (by oth     | ers) of truss t | 'n    |       |        |     |               |          |   |
|                               |             |              | C 18), 7=342 (LC 17),   | ,     |                   | capable of with        |                 |                 |       |       |        |     |               |          |   |
|                               |             | 8=500 (L0    | ,                       |       |                   | uplift at joint 6.     | 0               |                 |       |       |        |     |               |          |   |
| FORCES                        |             | timum Corr   | npression/Maximum       |       | 10) This truss is | designed in acc        | ordance w       | ith the 2018    |       |       |        |     |               |          |   |
|                               | Tension     |              |                         | _     | International     | <b>Residential Cod</b> | de sections     | s R502.11.1 a   | and   |       |        |     |               |          |   |
| TOP CHORD                     |             |              | 40/108, 3-4=-140/109    | 9,    | R802.10.2 a       | nd referenced st       | tandard Al      | NSI/TPI 1.      |       |       |        |     |               |          |   |
|                               | 4-5=-102    | •            | 70 0 7 04 70            |       | LOAD CASE(S)      | Standard               |                 |                 |       |       |        |     |               |          |   |
| BOT CHORD                     |             |              | /72, 6-7=-21/72,        |       |                   |                        |                 |                 |       |       |        |     |               |          |   |
| WEBS                          | 5-6=-21/7   |              | 0/174, 4-6=-340/174     |       |                   |                        |                 |                 |       |       |        |     |               |          |   |
|                               | 3-7=-180/   | /0, 2-8=-34  | 0/174, 4-6=-340/174     |       |                   |                        |                 |                 |       |       |        |     |               |          |   |
| NOTES                         |             |              |                         |       |                   |                        |                 |                 |       |       |        |     |               | con .    |   |
| ,                             |             | loads have   | been considered for     |       |                   |                        |                 |                 |       |       |        |     | O DE          | AP IN    |   |
| this design                   |             | 445-04-1-    | (2 accord suct)         |       |                   |                        |                 |                 |       |       |        |     | F.OF          | MISSO    |   |
| <ol> <li>Wind: AS0</li> </ol> | JE 7-16; Vu | lit=115mph   | (3-second gust)         |       |                   |                        |                 |                 |       |       |        |     | 4.25          | ~0.0     | S |

Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-5-12 to 3-5-12, Exterior(2N) 3-5-12 to 8-8-3, Corner (3R) 8-8-3 to 11-8-3, Exterior(2N) 11-8-3 to 16-10-9 zone; cantilever left and right exposed ; 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

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| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE2   | Valley     | 1   | 1   | Job Reference (optional) | 166371539 |

Loading

TCDL

BCLL

BCDL

LUMBER

OTHERS

BRACING

FORCES

WEBS

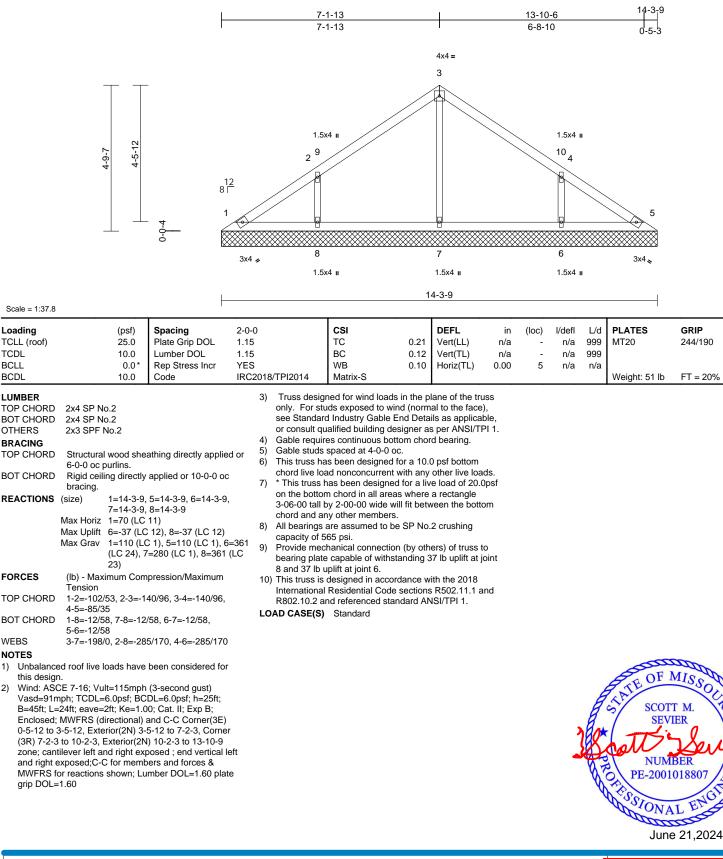
NOTES

1)

2)

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:nYpuvKbhP5gElc4wzwNgspytxiV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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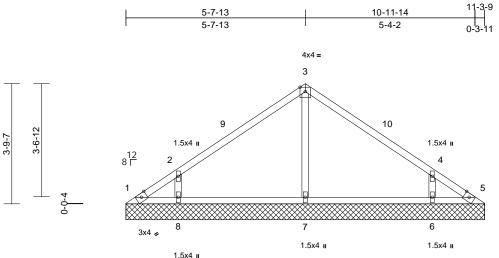
| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE3   | Valley     | 1   | 1   | Job Reference (optional) | 166371540 |

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#### Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:VpwJRq1S9cM7rXwcd3aw49zZPSb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



.



1.5

11-3-9

3x4 💊

| Scale = 1:36.3   |  |   |  |  |   |   |  |   |       |               |            |                |                        |
|--|--|---|--|--|---|---|--|---|-------|---------------|------------|----------------|------------------------|
| Loading<br>TCLL (roof)   | (psf)<br>25.0  | Spacing<br>Plate Grip DOL                     | 2-0-0<br>1.15                              |  | CSI<br>TC   | 0.37  | DEFL<br>Vert(LL)   | in<br>n/a                                       | (loc) | l/defl<br>n/a | L/d<br>999 | PLATES<br>MT20 | <b>GRIP</b><br>197/144 |
| TCDL   | 10.0   | Lumber DOL                                    | 1.15                                       |  | BC  | 0.20  | Vert(TL)   | n/a   | -     | n/a           | 999        | 101120         | 137/144                |
| BCLL   | 0.0*   | Rep Stress Incr                               | YES  |  | WB  | 0.07  | Horiz(TL)  | 0.00  | 5     | n/a           | n/a        |                |                        |
| BCDL   | 10.0   | Code  |  | 8/TPI2014  | Matrix-S  |   |  |   | -     |               |            | Weight: 24 lb  | FT = 20%               |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>OTHERS<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS | 6-0-0 oc purlins.<br>Rigid ceiling directly<br>bracing.<br>(size) 1=11-3-9<br>7=11-3-9<br>Max Horiz 1=-56 (LC<br>Max Uplift 1=-30 (LC<br>Max Grav 1=30 (LC | C 10), 5=-19 (LC 11),<br>C 12), 8=-37 (LC 12) | 6)<br>7)<br>,<br>8)<br><sub>3=339</sub> 9) | only. For stu<br>see Standarr<br>or consult qu<br>Gable requirin<br>Gable studs<br>This truss ha<br>chord live loa<br>* This truss h<br>on the bottor<br>3-06-00 tall b<br>chord and ar<br>All bearings a<br>capacity of 4<br>Provide mec<br>bearing plate | es continuous<br>spaced at 4-<br>s been desig<br>ad nonconcur<br>nas been desig<br>n chord in all<br>by 2-00-00 win<br>y other mem<br>are assumed<br>25 psi.<br>hanical conne<br>e capable of v<br>at joint 5, 37 | o wind (norm<br>ble End Deta<br>g designer a:<br>bottom chor<br>)-0 oc.<br>ned for a 10.<br>rent with any<br>gned for a liv<br>areas where<br>de will fit betv<br>bers.<br>to be SPF No<br>ection (by oth<br>vithstanding 3 | al to the face<br>ils as applica<br>is per ANSI/T<br>d bearing.<br>0 psf bottom<br>other live loa<br>re load of 20.1<br>a rectangle<br>veen the bott<br>o.2 crushing<br>ers) of truss i<br>30 lb uplift at j | ),<br>ble,<br>PI 1.<br>dds.<br>Dpsf<br>om<br>co |       |               |            |                |                        |
| FORCES   | (lb) - Maximum Con<br>Tension<br>1-2=-70/53, 2-3=-12   | npression/Maximum                             | 10   | ) This truss is<br>International   | designed in a<br>Residential C  | Code sections   | s R502.11.1 a  | and   |       |               |            |                |                        |
|  | 4-5=-65/41   | 10/01, 0 - 120/00,                            |  |  | nd referenced   | standard AN   | NSI/TPI 1.   |   |       |               |            |                |                        |
| BOT CHORD  |  | 6, 6-7=-9/46, 5-6=-9/                         | 46 LC                                      | DAD CASE(S)  | Standard  |   |  |   |       |               |            |                |                        |
| WEBS   | 3-7=-212/31, 2-8=-2  | 281/201, 4-6=-281/20                          | 1  |  |   |   |  |   |       |               |            |                |                        |
| NOTES  |  |   |  |  |   |   |  |   |       |               |            |                |                        |
| 1) Unbalance<br>this design  | ed roof live loads have<br>n.  | e been considered for                         |  |  |   |   |  |   |       |               |            | TE OF          | MISC                   |
| 2) Wind: ASC   | CE 7-16; Vult=115mph   | n (3-second gust)                             |  |  |   |   |  |   |       |               | 1          | 950            | -00,4                  |

Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-4-3 to 3-4-3, Exterior(2N) 3-4-3 to 5-8-3, Corner(3R) 5-8-3 to 8-8-3, Exterior(2N) 8-8-3 to 11-0-2 zone; cantilever left and right exposed ; 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 SCOTT M. SEVIER NUMBER PE-2001018807

June 21,2024

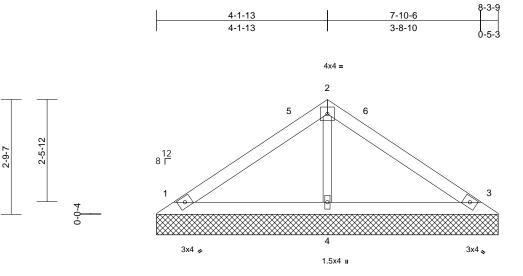
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

RELEASE FOR DESTRUCTION AS NOTED ON PLANS REVIEW DEVELOR MINISSERVICES LEE'S'SUMMIT'S MISSOURI 07/29/2024 6:57:03

| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE7   | Valley     | 1   | 1   | Job Reference (optional) | 166371541 |

#### Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:FkNG7gcJAPo5Mmf6XdvvO0ytxiU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





8-3-9

| Seal | <u> </u> | 1:28 |
|------|----------|------|
|      |          |      |

| Loading<br>TCLL (roof)<br>TCDL<br>BCLL<br>BCDL  | (psf)<br>25.0<br>10.0<br>0.0*<br>10.0  | Plate Grip DOL<br>Lumber DOL<br>Rep Stress Incr                    | 2-0-0<br>1.15<br>1.15<br>YES<br>IRC2018/TPI2014   | CSI<br>TC<br>BC<br>WB<br>Matrix-P   | 0.30<br>0.14<br>0.04   | <b>DEFL</b><br>Vert(LL)<br>Vert(TL)<br>Horiz(TL)   | in<br>n/a<br>n/a<br>0.00 | (loc)<br>-<br>-<br>3 | l/defl<br>n/a<br>n/a<br>n/a | L/d<br>999<br>999<br>n/a | PLATES<br>MT20<br>Weight: 27 lb | <b>GRIP</b><br>244/190<br>FT = 20% |
|---|--|--|---|---|--|--|--------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| LUMBER<br>TOP CHORD 2<br>BOT CHORD 2<br>BRACING<br>TOP CHORD 3<br>BOT CHORD 4<br>REACTIONS (S<br>M<br>M<br>FORCES ( | 6-0-0 oc purlins.<br>Rigid ceiling directly<br>pracing.<br>ize) 1=8-3-9, 3<br>ax Horiz 1=-39 (LC<br>ax Uplift 1=-13 (LC<br>ax Grav 1=187 (LC<br>(LC 1) | ; 12), 3≕-13 (LC 12)<br>C 1), 3=187 (LC 1), 4≕<br>pression/Maximum | chord live<br>7) * This trus<br>on the bot<br>3-06-00 ta<br>chord and<br>8) All bearing<br>capacity o<br>9) Provide m<br>bearing plating plating<br>1 and 13 ll<br>10) This truss<br>page 1 | echanical connecti<br>ate capable of with<br>o uplift at joint 3.<br>is designed in acco<br>al Residential Cod<br>and referenced st | t with any<br>ed for a liv<br>eas where<br>will fit betw<br>'s.<br>be SP No.<br>on (by oth<br>standing 1<br>ordance w<br>le sections | other live load<br>e load of 20.0<br>a rectangle<br>veen the botto<br>2 crushing<br>ers) of truss to<br>3 lb uplift at jo<br>ith the 2018<br>s R502.11.1 a | Opsf<br>om<br>o<br>oint  |                      |                             |                          |                                 |                                    |

# WFBS

BOT CHORD

NOTES

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

1-4=-1/47, 3-4=-1/47

2-4=-199/80

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-5-12 to 3-5-12, Exterior(2N) 3-5-12 to 4-2-3, Corner (3R) 4-2-3 to 7-2-3, Exterior(2N) 7-2-3 to 7-10-9 zone; cantilever left and right exposed ; 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

- Truss designed for wind loads in the plane of the truss 3) 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. Gable requires continuous bottom chord bearing. 4)
- 5) Gable studs spaced at 4-0-0 oc.

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

OF MISS SCOTT M. SEVIER NUMBER PE-2001018807 0 SSIONAL E June 21,2024



| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE8   | Valley     | 1   | 1   | Job Reference (optional) | 166371542 |

2-7-13

2-7-13

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

1-5-12

0-0-4

1-9-7

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:52 ID:FkNG7gcJAPo5Mmf6XdvvO0ytxiU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-10-6

2-2-10

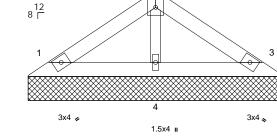
5-3-9

0-5-3



2

4x4 =



5-3-9

Scale = 1:23.9

| Scale = 1.23.9   |  |  |                       |   |  |  |  |                   |                 |                      |                   |                |                        |
|--|--|--|-----------------------|---|--|--|--|-------------------|-----------------|----------------------|-------------------|----------------|------------------------|
| Loading<br>TCLL (roof)<br>TCDL   | (psf)<br>25.0<br>10.0  | <b>Spacing</b><br>Plate Grip DOL<br>Lumber DOL   | 2-0-0<br>1.15<br>1.15 |   | CSI<br>TC<br>BC  | 0.10<br>0.05   | DEFL<br>Vert(LL)<br>Vert(TL)   | in<br>n/a<br>n/a  | (loc)<br>-<br>- | l/defl<br>n/a<br>n/a | L/d<br>999<br>999 | PLATES<br>MT20 | <b>GRIP</b><br>244/190 |
| BCLL<br>BCDL   | 0.0*<br>10.0   | Rep Stress Incr<br>Code  | YES<br>IRC201         | 18/TPI2014  | WB<br>Matrix-P   | 0.02   | Horiz(TL)  | 0.00              | 3               | n/a                  | n/a               | Weight: 17 lb  | FT = 20%               |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>OTHERS<br>BRACING<br>TOP CHORD<br>BOT CHORD<br>REACTIONS             | 2x3 SPF No.2<br>Structural wood she<br>5-4-5 oc purlins.<br>Rigid ceiling directly<br>bracing. | applied or 10-0-0 or<br>3=5-3-9, 4=5-3-9<br>11)<br>12), 3=-8 (LC 12)   | 9<br>c 1              | <ul> <li>on the bottor<br/>3-06-00 tall I<br/>chord and an</li> <li>All bearings<br/>capacity of 5</li> <li>Provide mec<br/>bearing plate<br/>and 8 lb upli</li> <li>This truss is<br/>International</li> </ul> | hanical conne<br>e capable of w<br>ft at joint 3.<br>designed in a<br>Residential C<br>nd referenced | areas where<br>de will fit betw<br>bers.<br>to be SP No<br>ection (by othe<br>vithstanding 8<br>accordance wi<br>Code sections | a rectangle<br>veen the both<br>2 crushing<br>ers) of truss t<br>Ib uplift at jo<br>th the 2018<br>R502.11.1 a | om<br>to<br>int 1 |                 |                      |                   |                |                        |
| FORCES   | (lb) - Maximum Com<br>Tension  |  |                       |   |  |  |  |                   |                 |                      |                   |                |                        |
| TOP CHORD<br>BOT CHORD<br>WEBS   | 1-2=-66/32, 2-3=-66<br>1-4=-1/28, 3-4=-1/28<br>2-4=-118/43                                     |  |                       |   |  |  |  |                   |                 |                      |                   |                |                        |
| NOTES<br>1) Unbalance<br>this design<br>2) Wind: ASG<br>Vasd=91n<br>B=45ft; L=<br>Enclosed;<br>zone; can | ed roof live loads have  | i (3-second gust)<br>:DL=6.0psf; h=25ft;<br>)0; Cat. II; Exp B;<br>and C-C Exterior(2E<br>posed ; end vertical | :)                    |   |  |  |  |                   |                 |                      | Å                 | ATE OF J       | MISSOL                 |

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. Gable requires continuous bottom chord bearing. 4)

5) Gable studs spaced at 2-0-0 oc.

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

SCOTT M. SEVIER NUMBER PE-2001018807 SSIONAL E June 21,2024

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



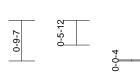
| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VE9   | Valley     | 1   | 1   | Job Reference (optional) | 166371543 |

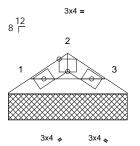
Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries. Inc. Thu Jun 20 09:01:52 ID:FkNG7gcJAPo5Mmf6XdvvO0ytxiU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-1-13 1-10-6 1-1-13 0-8-10

Page: 1







2-3-9

#### Scale = 1:22.3

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

| Loading<br>TCLL (roof)                      | (psf)<br>25.0  | Spacing<br>Plate Grip DOL  | 2-0-0<br>1.15         | CSI<br>TC   | 0.01                   | DEFL<br>Vert(LL)            | in<br>n/a | (loc) | l/defl<br>n/a | L/d<br>999 | PLATES<br>MT20 | <b>GRIP</b><br>244/190 |
|---|--|--|-----------------------|---|------------------------|-----------------------------|-----------|-------|---------------|------------|----------------|------------------------|
| TCDL  | 10.0   | Lumber DOL   | 1.15                  | BC  | 0.02                   | Vert(TL)                    | n/a       | -     | n/a           | 999        |                |                        |
| BCLL  | 0.0*   | Rep Stress Incr  | YES                   | WB  | 0.00                   | Horiz(TL)                   | 0.00      | 3     | n/a           | n/a        |                |                        |
| BCDL  | 10.0   | Code   | IRC2018/TPI201        | 4 Matrix-P  |                        |                             |           |       |               |            | Weight: 6 lb   | FT = 20%               |
| LUMBER<br>TOP CHORD<br>BOT CHORD<br>BRACING | 2x4 SP No.2  |  | 9) This tr<br>Interna | arings are assumed to b<br>ty of 565 psi.<br>uss is designed in acco<br>ational Residential Code<br>10.2 and referenced sta | rdance w<br>e sections | ith the 2018<br>R502.11.1 a | and       |       |               |            |                |                        |
| TOP CHORD                                   |  | athing directly applie   |                       | SE(S) Standard  | inuaru Ar              | NOI/TETT.                   |           |       |               |            |                |                        |
| BOT CHORD                                   | 2-4-5 oc purlins.<br>Rigid ceiling directly<br>bracing.  | applied or 10-0-0 of   |                       |   |                        |                             |           |       |               |            |                |                        |
| REACTIONS                                   | (size) 1=2-3-9, 3<br>Max Horiz 1=-7 (LC<br>Max Grav 1=63 (LC   | 10)  |                       |   |                        |                             |           |       |               |            |                |                        |
| FORCES                                      | (lb) - Maximum Com<br>Tension  | ,, ( ,   |                       |   |                        |                             |           |       |               |            |                |                        |
| TOP CHORD<br>BOT CHORD                      | 1-2=-55/23, 2-3=-55  | /23  |                       |   |                        |                             |           |       |               |            |                |                        |
| NOTES                                       |  |  |                       |   |                        |                             |           |       |               |            |                |                        |
| 1) Unbalance<br>this design                 |  |  | r                     |   |                        |                             |           |       |               |            |                |                        |
| Vasd=91n<br>B=45ft; L=<br>Enclosed;         | CE 7-16; Vult=115mph<br>mph; TCDL=6.0psf; BC<br>=24ft; eave=4ft; Ke=1.0<br>; MWFRS (directional)<br>tillever left and right ex | DL=6.0psf; h=25ft;<br>)0; Cat. II; Exp B;<br>and C-C Exterior(2E |                       |   |                        |                             |           |       |               |            |                |                        |
|   | exposed;C-C for memb<br>for reactions shown; Lu  |  | te                    |   |                        |                             |           |       |               |            | TE OF M        | AISSO                  |
| 3) Truss des                                | =1.60<br>signed for wind loads in<br>studs exposed to wind   |  |                       |   |                        |                             |           |       |               | A          | ST SCOT        |                        |

- 3 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) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads. 7)
- \* 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.

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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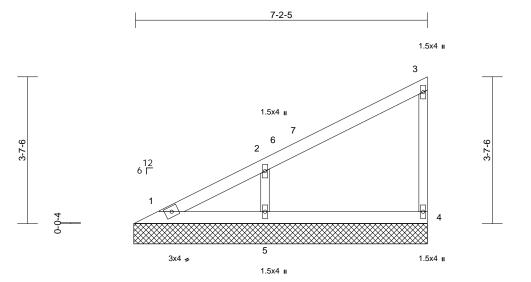
UMBER PE-2001018807 SIONAL E June 21,2024



| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VG10  | Valley     | 1   | 1   | Job Reference (optional) | 166371544 |

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|   |  |  |  | 7-2-5   |  |                          |                      | _                           |                          |                                 |                                    |
|---|--|--|--|---|--|--------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| Scale = 1:28.4  |  | I  |  |   |  |                          |                      |                             |                          |                                 |                                    |
| Loading         (psf)           TCLL (roof)         25.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0  | Spacing2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC20  | 018/TPI2014  | CSI<br>TC<br>BC<br>WB<br>Matrix-P  | 0.23<br>0.12<br>0.06  | <b>DEFL</b><br>Vert(LL)<br>Vert(TL)<br>Horiz(TL)   | in<br>n/a<br>n/a<br>0.00 | (loc)<br>-<br>-<br>4 | l/defl<br>n/a<br>n/a<br>n/a | L/d<br>999<br>999<br>n/a | PLATES<br>MT20<br>Weight: 25 lb | <b>GRIP</b><br>244/190<br>FT = 20% |
| BOT CHORD 6-0-0 oc purlins, exc<br>Rigid ceiling directly<br>bracing.<br>REACTIONS (size) 1=7-2-13,<br>Max Horiz 1=89 (LC<br>Max Uplift 4=-3 (LC S<br>Max Grav 1=73 (LC<br>(LC 1)   | athing directly applied or<br>sept end verticals.<br>applied or 10-0-0 oc<br>4=7-2-13, 5=7-2-13<br>9)<br>3), 5=-18 (LC 12)<br>18), 4=141 (LC 1), 5=377   | on the botton<br>3-06-00 tall il<br>chord and ar<br>7) All bearings<br>capacity of 5<br>8) Provide mec<br>bearing plate<br>and 18 lb up<br>9) This truss is<br>International | chanical connection<br>e capable of withsta<br>lift at joint 5.<br>designed in accord<br>Residential Code s<br>nd referenced stand | s where<br>I fit betw<br>SP No.<br>(by oth<br>anding 3<br>dance w<br>sections | a rectangle<br>veen the botto<br>2 crushing<br>ers) of truss to<br>8 lb uplift at joi<br>ith the 2018<br>5 R502.11.1 a | o<br>nt 4                |                      |                             |                          |                                 |                                    |
| FORCES         (lb) - Maximum Com<br>Tension           TOP CHORD         1-2=-230/126, 2-3=-           BOT CHORD         1-5=-44/59, 4-5=-44/           WEBS         2-5=-293/258   | 102/77, 3-4=-110/120   |  |  |   |  |                          |                      |                             |                          |                                 |                                    |
| <ul> <li>NOTES</li> <li>1) Wind: ASCE 7-16; Vult=115mph<br/>Vasd=91mph; TCDL=6.0psf; BCI<br/>B=45ft; L=24ft; eave=2ft; Ke=1.0<br/>Enclosed; MWFRS (directional) a<br/>0-7-9 to 3-7-9, Exterior(2N) 3-7-9<br/>cantilever left and right exposed<br/>right exposed;C-C for members a<br/>for reactions shown; Lumber DO<br/>DOL=1.60</li> <li>2) Truss designed for wind loads in<br/>only. For studs exposed to wind<br/>see Standard Industry Gable End<br/>or consult qualified building desig</li> <li>3) Gable requires continuous bottor</li> <li>4) Gable studs spaced at 4-0-0 oc.</li> <li>5) This truss has been designed for<br/>chord live load nonconcurrent with</li> </ul> | DL=6.0psf; h=25ft;<br>0; Cat. II; Exp B;<br>and C-C Corner(3E)<br>to 7-1-9 zone;<br>; end vertical left and<br>and forces & MWFRS<br>L=1.60 plate grip<br>the plane of the truss<br>(normal to the face),<br>d Details as applicable,<br>gner as per ANSI/TPI 1.<br>n chord bearing. |  |  |   |  |                          |                      |                             |                          | Cother<br>Seventies<br>PE-2001  | LER<br>Jachen<br>018807            |

June 21,2024



| Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not<br>a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall<br>building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing |
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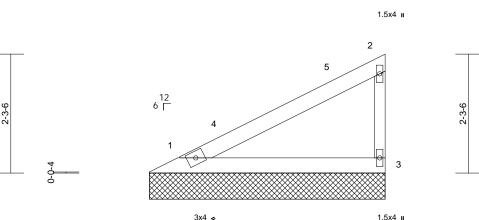
| Job        | Truss | Truss Type | Qty Ply Roof - HR Lot 193 |   | Roof - HR Lot 193        |           |
|------------|-------|------------|---------------------------|---|--------------------------|-----------|
| P240574-01 | VG11  | Valley     | 1                         | 1 | Job Reference (optional) | 166371545 |

4-6-5

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:53 ID:kwweK0dxxiwx\_wEJ5LQ8xEytxiT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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4-6-5

1.5x4 u

Scale = 1:22.1

| 00010 = 1.22.1 |   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|----------------|---|----------------------|---------|-----------------|-------------------|-----------|------------|------|-------|--------|-----|---------------|----------|
| Loading        | (psf)   | Spacing              | 2-0-0   |                 | csi               |           | DEFL       | in   | (loc) | l/defl | L/d | PLATES        | GRIP     |
| TCLL (roof)    | 25.0  | Plate Grip DOL       | 1.15    |                 | TC                | 0.32      | Vert(LL)   | n/a  | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL           | 10.0  | Lumber DOL           | 1.15    |                 | BC                | 0.18      | Vert(TL)   | n/a  | -     | n/a    | 999 |               |          |
| BCLL           | 0.0*  | Rep Stress Incr      | YES     |                 | WB                | 0.00      | Horiz(TL)  | 0.00 | 3     | n/a    | n/a |               |          |
| BCDL           | 10.0  | Code                 | IRC20   | 18/TPI2014      | Matrix-P          |           |            |      |       |        |     | Weight: 15 lb | FT = 20% |
| LUMBER         |   |                      | 7       | 7) All bearings | are assumed to b  | e SP No.  | 2 crushing |      |       |        |     |               |          |
| TOP CHORD      | 2x4 SP No.2   |                      |         | capacity of 5   | 65 psi.           |           | 0          |      |       |        |     |               |          |
| BOT CHORD      | 2x4 SP No.2   |                      | 8       |                 | designed in acco  |           |            |      |       |        |     |               |          |
| WEBS           | 2x3 SPF No.2  |                      |         |                 | Residential Code  |           |            | nd   |       |        |     |               |          |
| BRACING        |   |                      |         |                 | nd referenced sta | andard AN | ISI/TPI 1. |      |       |        |     |               |          |
| TOP CHORD      | Structural wood she   |                      | ed or I | LOAD CASE(S)    | Standard          |           |            |      |       |        |     |               |          |
|                | 4-6-13 oc purlins, except end verticals.<br>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc |                      |         |                 |                   |           |            |      |       |        |     |               |          |
| BOT CHORD      | bracing.  | applied of 10-0-0 of | C       |                 |                   |           |            |      |       |        |     |               |          |
| REACTIONS      | (size) 1=4-6-5, 3   | 3=4-6-5              |         |                 |                   |           |            |      |       |        |     |               |          |
|                | Max Horiz 1=53 (LC  |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | Max Grav 1=172 (L0  | ,                    |         |                 |                   |           |            |      |       |        |     |               |          |
| FORCES         | (lb) - Maximum Com  | pression/Maximum     |         |                 |                   |           |            |      |       |        |     |               |          |
|                | Tension   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
| TOP CHORD      | 1-2=-107/66, 2-3=-1   | 34/161               |         |                 |                   |           |            |      |       |        |     |               |          |
| BOT CHORD      | 1-3=-26/35  |                      |         |                 |                   |           |            |      |       |        |     |               |          |
| NOTES          |   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | E 7-16; Vult=115mph   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | ph; TCDL=6.0psf; BC   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | 24ft; eave=2ft; Ke=1.0<br>MWFRS (directional)   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | 7-9, Exterior(2N) 3-7-9   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | left and right exposed  |                      | d       |                 |                   |           |            |      |       |        |     |               |          |
|                | sed;C-C for members   |                      |         |                 |                   |           |            |      |       |        |     |               |          |
|                | ns shown; Lumber DC   | L=1.60 plate grip    |         |                 |                   |           |            |      |       |        |     | CORD          | m        |
| DOL=1.60       |   |                      |         |                 |                   |           |            |      |       |        |     | F OF I        | MISS     |

- 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) Gable requires continuous bottom chord bearing. Gable studs spaced at 4-0-0 oc. 4)
- 5) 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 6)
- 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.

OF MISSO SCOTT M. SEVIER NUMBER PE-2001018807 SIONAL E

June 21,2024



TION DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/29/2024 6:57:03

| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VG12  | Valley     | 1   | 1   | Job Reference (optional) | 166371546 |

12 6 \_ 1-10-5

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

0-11-6

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:53 ID:kwweK0dxxiwx\_wEJ5LQ8xEytxiT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Page: 1

June 21,2024

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0-0-4

| L (roof)       25.0       Plate Grip DOL       1.15       TC       0.02       Vert(LL)       n/a       -       n/a       999       MT20       244/190         DL       0.0*       Rep Stress Incr       YES       WE       0.00       Wert(LL)       n/a       -       n/a       999       MT20       244/190         DL       0.0*       Rep Stress Incr       YES       WE       0.00       Horiz(TL)       0.00       3       n/a       n/a       999       Weight: 5 lb       FT = 20%         MBER       Code       IRC2018/TPI2014       Matrix-P       Natrix-P       Weight: 5 lb       FT = 20%         MBER       Code       IRC2018/TPI2014       Matrix-P       Natrix-P       Natrix-P       Weight: 5 lb       FT = 20%         MBER       2X3 SPF No.2   | Plate Offsets () | X, Y): [2:Edge,0-1-14  | ]                       |                 |               |             |            |      |       |        |     |              |          |
|---|------------------|------------------------|-------------------------|-----------------|---------------|-------------|------------|------|-------|--------|-----|--------------|----------|
| DL       10.0       Lumber DOL       1.15       BC       0.01       Verifit, via       - via 999         DL       10.0       Code       IRC2018/TPI2014       Matrix-P       0.00       Verifit, via       - via 999         OL       10.0       Code       IRC2018/TPI2014       Matrix-P       0.00       Verifit, via       - via 999         OL       10.0       Code       IRC2018/TPI2014       Matrix-P       0.00       3       via via       Verifit, via via         OPCHORD       2x4 SP No.2       -       -       All bearings are assumed to be SP No.2 crushing capacity of 656 pci.       - <t< th=""><th>Loading</th><th>(psf)</th><th>Spacing</th><th>2-0-0</th><th>CSI</th><th></th><th>DEFL</th><th>in</th><th>(loc)</th><th>l/defl</th><th>L/d</th><th>PLATES</th><th>GRIP</th></t<>   | Loading          | (psf)                  | Spacing                 | 2-0-0           | CSI           |             | DEFL       | in   | (loc) | l/defl | L/d | PLATES       | GRIP     |
| L       0.0°       Rep Stress Incr       YES       WB       0.00       Horiz(TL)       0.00       3       n/a       Weight: 5 lb       FT = 20%         MBER       PCHORD       2x4 SP No.2       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       8)       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       50       100       100       100       7)       All bearings are assumed to be SP No.2 crushing capacity of 565 psi.       LOAD CASE(S)       Standard  | CLL (roof)       | 25.0                   |                         | 1.15            |               | 0.02        |            | n/a  | -     | n/a    |     | MT20         | 244/190  |
| DL     10.0     Code     IRC2018/TPI2014     Matrix-P     Weight: 5 lb     FT = 20%       MBER<br>2 CHORD     2x4 SP No.2     7)     All bearings are assumed to be SP No.2 crushing<br>capacity of 56 psi.     7)     All bearings are assumed to be SP No.2 crushing<br>capacity of 56 psi.     7)     All bearings are assumed to be SP No.2 crushing<br>capacity of 56 psi.       0 CHORD     2x4 SP No.2     8)     This truss is designed in accordance with the 2018<br>International Residential Code sections R502.11.1 and<br>R802.10.2 and referenced standard ANSUTP1 1.     CAND<br>CAND       0 CHORD     Rigid ceiling directly applied or 10-0-0 oc<br>bracing.     This truss is designed in accordance with the 2018<br>International Residential Code sections R502.11.1 and<br>R802.10.2 and referenced standard ANSUTP1 1.     CAND CASE(S)       CATIONS     (size)     1=1-10-5, 3=-11-0.5<br>Max Grav 1=52 (LC 1), 3=52 (LC 1)     CASE(S)       XGES     (b)     Maximum Compression/Maximum<br>Tension     2       2 CHORD     1.2=-25/18, 2-3a-41/32     Chord 1.2=-25/18, 2-3a-41/32       7 CHORD     1.2=-25/18, CDL=6.0psf; h=25ft;<br>B=dSit_L=24ft; Ke=1-00; Cat.II; Exp B;<br>considered C-C for members and forces &<br>MWFRS for reactions shown; Lumber DDL=1.60 plate<br>gip DDL=1.60       Truss designed for wind loads in the plane of the truss<br>on consult qualified building deginera as per ASUTFP1 1.       Gable study signera as per ASUTFP1 1.       Gable study signera as per ASUTFP1 1.       Gable study signeras as per ASUTFP1 1.       Gable study signer   | CDL              |                        | Lumber DOL              |                 |               | 0.01        | Vert(TL)   | n/a  | -     | n/a    | 999 |              |          |
| MBER<br>2 CHORD 2x4 SP No.2       7)       All bearings are assumed to be SP No.2 crushing<br>capacity of 565 psi.         S1       2x3 SPF No.2       8)         CHORD 2x4 SP No.2       8)       1111         S2 x3 SPF No.2       8)       1111         CHORD 2x4 SP No.2       8)       1111         CHORD Structural wood sheathing directly applied or<br>1-10-13 oc purlins, except end verticals.       8)       1111         CHORD Structural wood sheathing directly applied or 10-0-0 oc<br>bracing.       12-10-5, 3=1-10-5<br>Max Horiz 1=16 (L C 9)       12-10-5, 3=1-10-5<br>Max Horiz 1=16 (L C 9)       12-10-5, 3=1-10-5<br>Max Horiz 1=16 (L C 9)         Max Grav 1=52 (LC 1), 3-52 (LC 1)       XCEE       Maximum Compression/Maximum<br>Tension       2         CHORD 1-3=-8/9       FES       12-25/18, 2-3=-41/32       12-45/18, 2-3=-41/32         TOHOR 1-3=-8/9       FES       12-50 (C - 1)       KCE (D - 0)         Truss designed for wind loads in the plane of the truss<br>only. For stuck exposed 1: c-00. Cat. II: Exp B:<br>Enclosed: MWFRS (directional) and C-C Exterior(ZE)<br>zone; canilitiev tepsed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DQL=1.60 plate<br>grip DQL=1.60       Scottr M.<br>SEVIER         Cable stuck spaced to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TP1 1.       Scottr M.<br>SEVIER         Cable stuck spaced to trus ho bead or 20 pd       1112 <td< td=""><td>CLL</td><td>0.0*</td><td>Rep Stress Incr</td><td></td><td></td><td>0.00</td><td>Horiz(TL)</td><td>0.00</td><td>3</td><td>n/a</td><td>n/a</td><td></td><td></td></td<>   | CLL              | 0.0*                   | Rep Stress Incr         |                 |               | 0.00        | Horiz(TL)  | 0.00 | 3     | n/a    | n/a |              |          |
| 2 CHORD 2x4 SP No.2<br>CHORD 2x4 SP No.2<br>SX 3SPF No.2<br>CHORD Structural wood sheathing directly applied or<br>1-10-13 oc purlins, except end verticals.<br>CHORD Structural wood sheathing directly applied or 10-0-0 oc<br>bracing.<br>ACTIONS (size) 1=1-10-5, 3=1-10-5<br>Max Horiz 1=16 (LC 9)<br>Max Grav 1=52 (LC 1), 3=52 (LC 1)<br>KESE (II). Maximum Compression/Maximum<br>Tension<br>2 CHORD 1-3=-8/9<br>EFS<br>Wind: ASCE 7-16; Vull=115mph (3-second gust)<br>Vasd=9 Imph; TCDL=6.0pd; BCDL=6.0pd; I=25f;<br>E=Adft:L=24ft eave=4ft; K=2-4ft;<br>E=Adft:L=24ft eave=4ft; K=0:0; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(ZE)<br>zone; cantileve related and find basis in the plane of the fraze),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TP1 1.<br>Gable studes spaced at 0-00 cot.<br>This truss has been designed for a 10 op bottom<br>chord live lead nonconcurrent with any other live loads.   | SCDL             | 10.0                   | Code                    | IRC2018/TPI2014 | 4 Matrix-P    |             |            |      |       |        |     | Weight: 5 lb | FT = 20% |
| <ul> <li>CHORD 2x4 SP No.2</li> <li>Se 2x3 SPF No.2</li> <li>This trusts is designed in accordance with the 2018<br/>International Residential Code sections RSO:11.1 and<br/>R802.10.2 and referenced standard ANSI/TP1 1.</li> <li>LOAD CASE(S) Standard</li> <li>CHORD (size) 1=1-10-5, 3=1-10-5<br/>Max Horiz 1=16 (LC 9)<br/>Max Grav 1=52 (LC 1), 3=52 (LC 1)<br/>Max Korav 1=52 (LC 1), 3=52 (LC 1)</li> <li>CHORD 1:2=-25/18, 2:3=-41/32<br/>C (HORD 1:3=-89)</li> <li>TES</li> <li>Wind: ASCE 7-16; Vull=115mph (3-second gust)</li> <li>Vasd=9 Imph; TCDL=6.0psf; B=CDL=6.0psf; h=25ft;<br/>B=Asft; L=24ft; Reve=dft; Ke=1.00; CA: II, Exp B;<br/>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br/>zone; cantileve relat and right exposed; -c Nov Ceta: II, Exp B;<br/>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br/>zone; cantileve relat and right exposed; -C for members and forces &amp;<br/>MWFRS for reactions shown; Lumber DOL=1.60 plate<br/>grip DOL=160</li> <li>Truss designed for wind loads in the plane of the truss<br/>or consult qualified building designer as per ANSI/TP1 1.<br/>Gable erusios spaced at 2-00 cc.</li> <li>This truss has been designed for a 10.0 psf bottom<br/>chord the load nonconcurrent with any other live loads.</li> <li>This truss has been designed for a 10.0 psf bottom<br/>chord bir load nonconcurrent with any other live loads.</li> <li>This truss has been designed tor a 10.0 psf bottom<br/>chord bir load nonconcurrent with any other live loads.</li> <li>This truss has been designed tor a 10.0 psf bottom<br/>chord bir load nonconcurrent with any other live loads.</li> <li>This truss has been designed tor a long other with any other live loads.</li> </ul>  | UMBER            |                        |                         |                 |               | be SP No.   | 2 crushing |      |       |        |     |              |          |
| <ul> <li>BS 2x3 SPF No.2</li> <li>International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.</li> <li>LOAD CASE(S) Standard</li> <li>CHORD Structural wood sheathing directly applied or 1.10.13 oc purlins, except end verticals.</li> <li>RCOTONS (size) 1=1-10-5, 3=1-10-5<br/>Max Horiz 1=16 (LC 9)<br/>Max Grav 1=52 (LC 1), 3=52 (LC 1)</li> <li>RCES (b) Maximum Compression/Maximum Tension</li> <li>CHORD 1-3=-8/9</li> <li>FES</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust)</li> <li>Vasd=91mph; TCDL=6.0psf; h=25ft; B=45ft; c=44-10, c=36, t; Exp B=45ft; c=24ft; eav=4ft; k=04 vertical left and right exposed; c-ft or vertical left and right exposed; c-ft or vertical left and right exposed; c-ft or vertical left and right exposed; for vertical left and right exposed; for vind loads in the plane of the truss only. For studies exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TP1 1.</li> <li>Gable studs spoced at 0-0 0.0 c.</li> <li>This truss has been designed for a 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom chord bearing.</li> <li>Gable studs spoced to 10.0 psf bottom</li></ul>  | OP CHORD         |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| R802.10.2 and referenced standard ANSI/TP11.<br>LOAD CASE(S) Standard<br>LOAD CASE(S) Standard | OT CHORD         |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| CHORD Structural wood sheathing directly applied or<br>1-10-13 oc purlins, except end verticals.<br>ICHORD Rigid ceiling directly applied or 10-0-0 oc<br>bracing.<br>ACTIONS (size) 1=1-10-5, 3=1-10-5<br>Max Grav 1=52 (LC 1), 3=52 (LC 1)<br>RCES (b) - Maximum Compression/Maximum<br>Tension<br>2 CHORD 1-2=-25/18, 2-3=-41/32<br>C CHORD 1-3=-8/9<br>TES<br>Wind: ASCE 7-16; Vull=115mph (3-second gust)<br>Vasd=91mph/VERS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed (-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DDL=1.60<br>every Stort and Log Stort and to the face),<br>see Standard for wind loads in the plane of the truss<br>only. For stude exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TP1 1.<br>Gable requires continuous bottom chord bearing.<br>Gable stude spaced at 2-0 0 co.<br>This truss has been designed for a live load of 20.0psf<br>where there were new new new new new new new new new ne  | VEBS             | 2x3 SPF No.2           |                         |                 |               |             |            | na   |       |        |     |              |          |
| <ul> <li>CHORE 1: 10-13 oc putfins, except end verticals.</li> <li>T CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.</li> <li>ACTIONS (size) 1=1-10-5, 3=1-10-5 Max Horiz 1=16 (LC 9) Max Grav 1=52 (LC 1), 3=52 (LC 1)</li> <li>RCES (b) - Maximum Compression/Maximum Tension 2 CHORD 1-2e-25/18, 2-3e-41/32 T CHORD 1-3e-8/9</li> <li>TES Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0pst; BCDL=6.0pst; h=25ft; B=45ft; L=24ft; eave=4ft; keave=4ft; teave=10; fix applied or forces &amp; MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 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 ANSUTPI 1. Gable requires continuous bottom chord bearing. Gable studs spaced at 2-0-0 oc. This truss has been designed for a live load of 20.0psf</li> </ul>   | RACING           |                        |                         |                 |               | standard Ar | 151/TPLT.  |      |       |        |     |              |          |
| F CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         ACTIONS       (size)       1=1-10-5, 3=1-10-5         Max Horiz       1=16 (LC 9)         Max Korav       1=52 (LC 1), 3=52 (LC 1)         RCES       (lb) - Maximum Compression/Maximum Tension         Tension       2         9 CHORD       1-2=-25/18, 2-3=-41/32         17 CHORD       1-3=-8/9         FES       Wind: ASCE 7-16; Vult=115mph (3-second gust)         Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;         B=-45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;         Enclosed; MWRFS (directinal) and C-C Exterior(2E)         zone; cantilever left and right exposed; end vertical left         and right exposed; C-C for members and forces &         MWFRS for reactions shown; Lumber DOL=1.60 plate         grip DDL=1.60         russ designed for wind loads in the plane of the truss         only. For stude 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.         Gable stude spaced ta 2-00 oc.         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 loads.   | OP CHORD         |                        |                         | d or LOAD CAS   | E(S) Standard |             |            |      |       |        |     |              |          |
| ACTIONS (size) 1=1-10-5, 3=1-10-5<br>Max Horiz 1=16 (LC 9)<br>Max Grav 1=52 (LC 1), 3=52 (LC 1)<br>RCES (lb) - Maximum Compression/Maximum<br>Tension<br>2 CHORD 1-2=-25/18, 2-3=-41/32<br>1 CHORD 1-3=-8/9<br><b>TES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=-24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For stude exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 cc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf   | BOT CHORD        | Rigid ceiling directly |                         |                 |               |             |            |      |       |        |     |              |          |
| Max Grav 1=52 (LC 1), 3=52 (LC 1)<br><b>RCES</b> (b) - Maximum Compression/Maximum<br>Tension<br>2 CHORD 1-2=-25/18, 2-3=-41/32<br>7 CHORD 1-3=-8/9<br><b>TES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DDL=1.60 plate<br>grip DDL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studies exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 cc.<br>This truss has been designed for a 10.0 ps bottom<br>chord live load on concurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf bottom<br>chord live load on concurrent with any other live loads.   | REACTIONS        | 0                      | 3=1-10-5                |                 |               |             |            |      |       |        |     |              |          |
| RCES (b) - Maximum Compression/Maximum<br>Tension<br>2 CHORD 1-2=-25/18, 2-3=-41/32<br>1 CHORD 1-3=-8/9<br><b>TES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed; c-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf  |                  | Max Horiz 1=16 (LC     | 9)                      |                 |               |             |            |      |       |        |     |              |          |
| Tension<br>2 CHORD 1-2=-25/18, 2-3=-41/32<br>C CHORD 1-3=-8/9<br><b>TES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0pst; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed : end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 cc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load on concourrent with any other live loads.<br>* This truss has been designed for a 1 live load of 20.0psf   |                  | Max Grav 1=52 (LC      | 1), 3=52 (LC 1)         |                 |               |             |            |      |       |        |     |              |          |
| P CHORD 1-2=-25/18, 2-3=-41/32<br>C CHORD 1-3=-8/9<br><b>TES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TP1 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf  | ORCES            | (lb) - Maximum Com     | pression/Maximum        |                 |               |             |            |      |       |        |     |              |          |
| T CHORD 1-3=-8/9<br><b>FES</b><br>Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TP1 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf  |                  |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| <b>FES</b> Wind: ASCE 7-16; Vult=115mph (3-second gust)         Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;         B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;         Enclosed; MWFRS (directional) and C-C Exterior(2E)         zone; cantilever left and right exposed; 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         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.         Gable requires continuous bottom chord bearing.         Gable studs spaced at 2-0-0 cc.         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  | OP CHORD         | ,                      | /32                     |                 |               |             |            |      |       |        |     |              |          |
| Wind: ASCE 7-16; Vult=115mph (3-second gust)<br>Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf bottom  | BOT CHORD        | 1-3=-8/9               |                         |                 |               |             |            |      |       |        |     |              |          |
| Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;<br>B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf bottom  | IOTES            |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| B=45ft; L=24ft; eave=4ft; Ke=1.00; Cat. II; Exp B;<br>Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf   |                  |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| Enclosed; MWFRS (directional) and C-C Exterior(2E)<br>zone; cantilever left and right exposed ; end vertical left<br>and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf bottom  |                  |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| zone; cantilever left and right exposed ; end vertical left<br>and right exposed;C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a 10.0 psf  |                  |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| and right exposed; C-C for members and forces &<br>MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>with the them chord is all exposure when the statements of the them the them the face is all exposed to 20.0psf   |                  |                        |                         |                 |               |             |            |      |       |        |     |              |          |
| MWFRS for reactions shown; Lumber DOL=1.60 plate<br>grip DOL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf   |                  |                        |                         | 511             |               |             |            |      |       |        |     | ~            | ~        |
| grip DDL=1.60<br>Truss designed for wind loads in the plane of the truss<br>only. For studs exposed to wind (normal to the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>en the hotem chord in all expression for the protocol of the prot  |                  |                        |                         | e               |               |             |            |      |       |        |     | and          | Aller    |
| Induction to function of the factor of the face),<br>see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>or the between designed for a live load of 20.0psf   |                  |                        |                         | -               |               |             |            |      |       |        |     | B.F. OF      | MISS     |
| see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>per the bettom chord is all expression to the protocol of the protocol  |                  |                        | n the plane of the trus | S               |               |             |            |      |       |        | 6   | 7.21         | N Oc     |
| see Standard Industry Gable End Details as applicable,<br>or consult qualified building designer as per ANSI/TPI 1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>per the heterm chord in all expressions and the statements of the s   | only. For s      | studs exposed to wind  | (normal to the face),   |                 |               |             |            |      |       |        | B   | SCOT         | N N M TI |
| or consult qualified building designer as per ANSI/TPT1.<br>Gable requires continuous bottom chord bearing.<br>Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>to the bettom chord is all exceeded to a live load of 20.0psf  |                  |                        |                         |                 |               |             |            |      |       |        | B   | */           |          |
| Gable studs spaced at 2-0-0 oc.<br>This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>to the better shear the statements of the st  |                  |                        |                         | 1.              |               |             |            |      |       |        | Ra  |              |          |
| This truss has been designed for a 10.0 psf bottom<br>chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0 psf<br>or the hottom chord is all around the restance of the sector of the secto   |                  |                        | m chord bearing.        |                 |               |             |            |      |       |        | 6   |              | La Za    |
| chord live load nonconcurrent with any other live loads.<br>* This truss has been designed for a live load of 20.0psf<br>pe-2001018807  |                  |                        | 100 11 11               |                 |               |             |            |      |       | 0      |     | con .        | Jen you  |
| * This truss has been designed for a live load of 20.0psf<br>on the bottom chord in all areas where a rectangle<br>3-06-00 tall by 2-00-00 wide will fit between the bottom   |                  |                        |                         | c               |               |             |            |      |       |        | NT  | NUN          |          |
| on the bottom chord in all areas where a rectangle<br>3-06-00 tall by 2-00-00 wide will fit between the bottom  |                  |                        |                         |                 |               |             |            |      |       |        | N   | ON PE-200    | 1018807  |
| 3-06-00 tall by 2-00-00 wide will fit between the bottom  |                  |                        |                         |                 |               |             |            |      |       |        | V   | - Ch         | 158      |
|   |                  |                        |                         | n               |               |             |            |      |       |        |     | SSI-         | ENUB     |
| chord and any other members.  |                  |                        |                         |                 |               |             |            |      |       |        |     | W NI         | ALE      |
| chold and any other members.  |                  |                        |                         |                 |               |             |            |      |       |        |     | Vac          | 1000     |

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| Job        | Truss | Truss Type | Qty | Ply | Roof - HR Lot 193        |           |
|------------|-------|------------|-----|-----|--------------------------|-----------|
| P240574-01 | VG13  | Valley     | 1   | 1   | Job Reference (optional) | 166371547 |

3-0-5

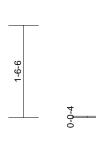
3-0-5

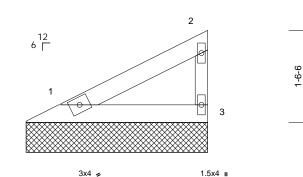
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Thu Jun 20 09:01:53 ID:kwweK0dxxiwx\_wEJ5LQ8xEytxiT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1.5x4 🛚

Page: 1





1.5x4 u

Scale = 1:19.2

| Scale = 1:19.2                 |   |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|--------------------------------|---|---|------------------------|--|--------------|------------------------------|------------------|-----------------|----------------------|-------------------|----------------|------------------------|
| Loading<br>TCLL (roof)<br>TCDL | (psf)<br>25.0<br>10.0                           | Spacing<br>Plate Grip DOL<br>Lumber DOL | 2-0-0<br>1.15<br>1.15  | CSI<br>TC<br>BC                          | 0.11<br>0.06 | DEFL<br>Vert(LL)<br>Vert(TL) | in<br>n/a<br>n/a | (loc)<br>-<br>- | l/defl<br>n/a<br>n/a | L/d<br>999<br>999 | PLATES<br>MT20 | <b>GRIP</b><br>244/190 |
| BCLL<br>BCDL                   | 0.0*<br>10.0                                    | Rep Stress Incr<br>Code                 | YES<br>IRC2018/TPI2014 | WB<br>Matrix-P                           | 0.00         | Horiz(TL)                    | 0.00             | 3               | n/a                  | n/a               | Weight: 9 lb   | FT = 20%               |
|                                |   | ļ                                       | 0) This trues          | in decimend in cos                       |              | ith the 2010                 |                  |                 |                      |                   |                |                        |
| LUMBER<br>TOP CHORD            | 2x4 SP No.2                                     |   |                        | is designed in acc<br>al Residential Coc |              |                              | and              |                 |                      |                   |                |                        |
| BOT CHORD                      |   |   |                        | and referenced st                        |              |                              |                  |                 |                      |                   |                |                        |
| WEBS                           | 2x3 SPF No.2                                    |   | LOAD CASE(             | <ol> <li>Standard</li> </ol>             |              |                              |                  |                 |                      |                   |                |                        |
| BRACING                        |   |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
| TOP CHORD                      | Structural wood she<br>3-0-13 oc purlins, e     |   | ed or                  |  |              |                              |                  |                 |                      |                   |                |                        |
| BOT CHORD                      |   |   | с                      |  |              |                              |                  |                 |                      |                   |                |                        |
| REACTIONS                      | (size) 1=3-0-5, 3                               | 3=3-0-5                                 |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | Max Horiz 1=32 (LC                              |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | Max Grav 1=105 (LC                              |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
| FORCES                         | (lb) - Maximum Com<br>Tension                   | npression/Maximum                       |                        |  |              |                              |                  |                 |                      |                   |                |                        |
| TOP CHORD                      |   | 2/65                                    |                        |  |              |                              |                  |                 |                      |                   |                |                        |
| BOT CHORD                      |   |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
| NOTES                          |   |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | CE 7-16; Vult=115mph                            | (3-second gust)                         |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | mph; TCDL=6.0psf; BC                            |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | =24ft; eave=4ft; Ke=1.0                         |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | ; MWFRS (directional)                           |   |                        |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | tilever left and right ex                       |   | left                   |  |              |                              |                  |                 |                      |                   |                |                        |
|                                | exposed;C-C for memb<br>for reactions shown; Lu |   | ato.                   |  |              |                              |                  |                 |                      |                   |                |                        |
| grip DOL=                      |   |   | lie                    |  |              |                              |                  |                 |                      |                   | 000            | alle                   |
|                                | signed for wind loads in                        | n the plane of the tru                  | JSS                    |  |              |                              |                  |                 |                      |                   | TATE OF        | MISCH                  |
|                                | studs exposed to wind                           |   |                        |  |              |                              |                  |                 |                      |                   | A TE           | -0.0.0                 |
| see Stand                      | dard Industry Gable En                          | d Details as applical                   | ble,                   |  |              |                              |                  |                 |                      | A                 |                | New York               |
|                                | t qualified building desi                       |   | 기 1.                   |  |              |                              |                  |                 |                      | A                 | SCOT           |                        |
|                                | quires continuous botto                         |   |                        |  |              |                              |                  |                 |                      | И.                | _/ SEV         |                        |
|                                | ids spaced at 2-0-0 oc.                         |   |                        |  |              |                              |                  |                 |                      | 80                | 1 _1.          |                        |
|                                | s has been designed fo                          |   | da                     |  |              |                              |                  |                 |                      | 2Y                | to IT          | SANNE AT               |
|                                | load nonconcurrent was has been designed f      |   |                        |  |              |                              |                  |                 | -                    |                   | NUM            | IBER A                 |
|                                | ttom chord in all areas                         |   | ledu                   |  |              |                              |                  |                 |                      | 177               | PE-200         | 1018807                |
|                                | all by 2-00-00 wide will                        | •                                       | om                     |  |              |                              |                  |                 |                      | N                 |                | 128                    |
|                                | any other members.                              |   |                        |  |              |                              |                  |                 |                      | Y                 | 1880           | SON B                  |
|                                | gs are assumed to be                            | SP No.2 crushing                        |                        |  |              |                              |                  |                 |                      |                   | PE-200         | IL EN                  |
|                                | of 565 psi.                                     | 5                                       |                        |  |              |                              |                  |                 |                      |                   | Un             |                        |

June 21,2024

Conne

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

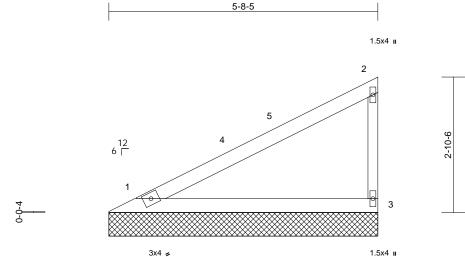


| Job        | Truss | Truss Type | Qty Ply Roof - HR Lot 193 |   | Roof - HR Lot 193        |           |
|------------|-------|------------|---------------------------|---|--------------------------|-----------|
| P240574-01 | VG14  | Valley     | 1                         | 1 | Job Reference (optional) | 166371548 |

2-10-6

#### Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries. Inc. Thu Jun 20 09:01:53 ID:kwweK0dxxiwx\_wEJ5LQ8xEytxiT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





5-8-5

1.5x4 II

| 0     | 10     |     |
|-------|--------|-----|
| Scale | = 1:24 | 1.4 |

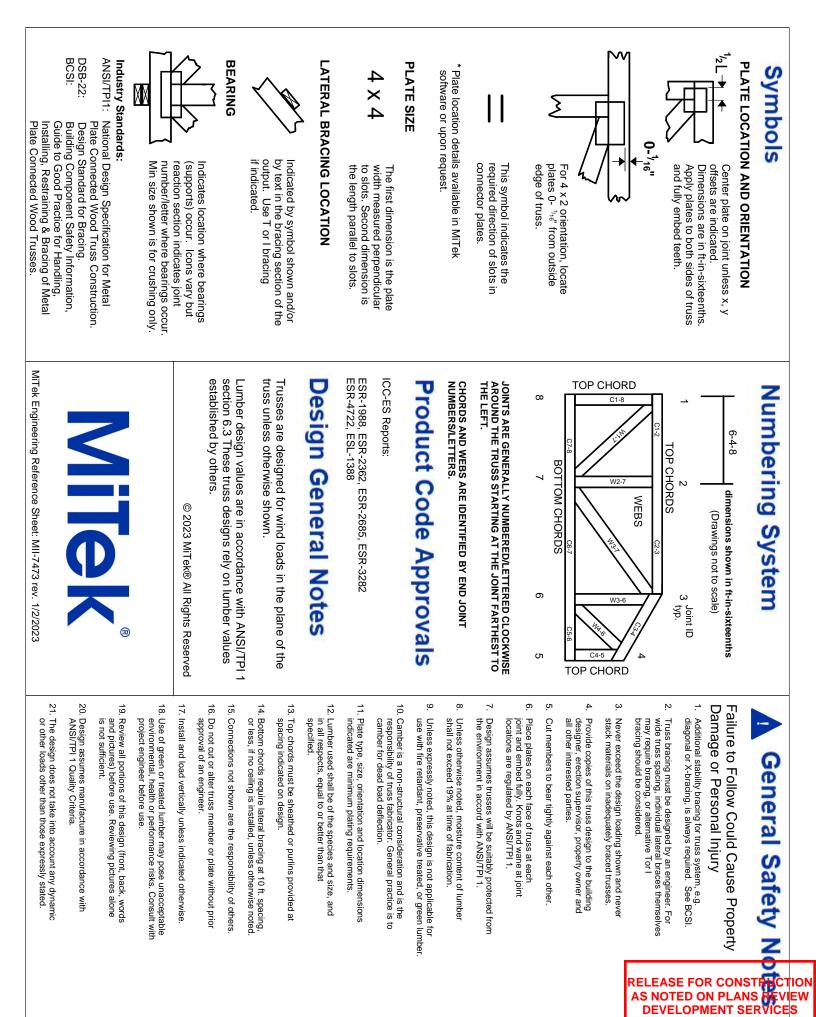
| 00010 = 1.24.4 |   |                        |          |               |                   |            |              |      |       |        |     |               |          |
|----------------|---|------------------------|----------|---------------|-------------------|------------|--------------|------|-------|--------|-----|---------------|----------|
| Loading        | (psf)   | Spacing                | 2-0-0    |               | CSI               |            | DEFL         | in   | (loc) | l/defl | L/d | PLATES        | GRIP     |
| TCLL (roof)    | 25.0  | Plate Grip DOL         | 1.15     |               | тс                | 0.58       | Vert(LL)     | n/a  | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL           | 10.0  | Lumber DOL             | 1.15     |               | BC                | 0.31       | Vert(TL)     | n/a  | -     | n/a    | 999 |               |          |
| BCLL           | 0.0*  | Rep Stress Incr        | YES      |               | WB                | 0.00       | Horiz(TL)    | 0.00 | 3     | n/a    | n/a |               |          |
| BCDL           | 10.0  | Code                   | IRC2018  | 3/TPI2014     | Matrix-P          |            |              |      |       |        |     | Weight: 19 lb | FT = 20% |
| LUMBER         |   |                        | 7)       | All bearings  | are assumed to    | he SP No   | 2 crushing   |      |       |        |     |               |          |
| TOP CHORD      | 2x4 SP No.2                                       |                        | .,       | capacity of 5 |                   |            | 2 0.00.m.g   |      |       |        |     |               |          |
| BOT CHORD      |   |                        | 8)       |               | designed in acco  | ordance wi | ith the 2018 |      |       |        |     |               |          |
| WEBS           | 2x3 SPF No.2                                      |                        |          |               | Residential Cod   |            |              | ind  |       |        |     |               |          |
| BRACING        |   |                        |          | R802.10.2 a   | nd referenced sta | andard AN  | ISI/TPI 1.   |      |       |        |     |               |          |
| TOP CHORD      | Structural wood she                               | athing directly applie | ed or LC | AD CASE(S)    | Standard          |            |              |      |       |        |     |               |          |
|                | 5-8-13 oc purlins, e                              | xcept end verticals.   |          |               |                   |            |              |      |       |        |     |               |          |
| BOT CHORD      |   | applied or 10-0-0 o    | с        |               |                   |            |              |      |       |        |     |               |          |
|                | bracing.  |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | · · · ·   |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | Max Horiz 1=68 (LC                                |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | Max Grav 1=225 (L0                                |                        |          |               |                   |            |              |      |       |        |     |               |          |
| FORCES         | (lb) - Maximum Corr                               | pression/Maximum       |          |               |                   |            |              |      |       |        |     |               |          |
| TOPOUODD       | Tension   | 75/405                 |          |               |                   |            |              |      |       |        |     |               |          |
| TOP CHORD      | ,   | 75/195                 |          |               |                   |            |              |      |       |        |     |               |          |
| BOT CHORD      | 1-3=-34/45  |                        |          |               |                   |            |              |      |       |        |     |               |          |
| NOTES          |   | ( <b>C</b>   )         |          |               |                   |            |              |      |       |        |     |               |          |
|                | CE 7-16; Vult=115mph<br>nph; TCDL=6.0psf; BC      |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | =24ft; eave=2ft; Ke=1.0                           |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | MWFRS (directional)                               |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | -7-9, Exterior(2N) 3-7-9                          |                        |          |               |                   |            |              |      |       |        |     |               |          |
|                | left and right exposed                            |                        | d        |               |                   |            |              |      |       |        |     |               |          |
| right expos    | sed;C-C for members                               | and forces & MWFR      | S        |               |                   |            |              |      |       |        |     |               | ~        |
|                | ns shown; Lumber DC                               | L=1.60 plate grip      |          |               |                   |            |              |      |       |        |     | and           | AD       |
| DOL=1.60       |   |                        |          |               |                   |            |              |      |       |        |     | B. OF I       | MISS W   |
|                | signed for wind loads in                          |                        |          |               |                   |            |              |      |       |        | 6   | 7 AL          | N'SON    |
|                | studs exposed to wind                             | · · ·                  | , ,      |               |                   |            |              |      |       |        | H   | STATE OF I    | TM YPY   |
|                | lard Industry Gable En<br>qualified building desi |                        |          |               |                   |            |              |      |       |        | 8   | SEV           |          |
|                | quaimed building desi                             | ynei as pel Alvol/Tr   | - 1 1.   |               |                   |            |              |      |       |        | Ru. |               |          |

- or consult qualified building designer as per ANSI/TPI 1. 3) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc. 4)
- 5) 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 6) 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.

UMBER PE-2001018807 SIONAL E June 21,2024

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ASE FOR CONST **OTED ON PLANS** VELOPMENT SER LEE'S SUMMIT, MISSOURI 07/29/2024 6:57:04