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6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com

| Site Information:                                   | Page 1:  |
|---|--|
| Customer: W. B. Howland Company, Inc.               | Job Number: 20-4374  |
| Job Description: Glenwood King's Personal Residence | esta in covera south am sur no soveting good, in a lear framer good to |
| Address:  | these same transpround at the transport succession.                    |

| Job Engineering Criteria:                      |   |  |  |
|--|---|--|--|
| Design Code: FBC 2017 RES                      | IntelliVIEW Version: 19.02.02B  JRef #: 1WWQ2150002 |  |  |
| Wind Standard: ASCE 7-10 Wind Speed (mph): 130 | Roof Load (psf): 20.00-10.00- 0.00-10.00            |  |  |
| Building Type: Closed                          | Floor Load (psf): None                              |  |  |

This package contains general notes pages, 45 truss drawing(s) and 2 detail(s).

| Item | Drawing Number    | Truss  |
|------|-------------------|--|
| 1    | 188.20.0915.58347 | A01  |
| 3    | 188.20.0916.03660 | A03  |
| 5    | 188.20.0916.07507 | A05  |
| 7    | 188.20.0916.17547 | B01  |
| 9    | 188.20.0916.24660 | B03 polaryong off of pyribicspa b3                   |
| 1110 | 188.20.0917.50093 | CO1 / DEMONSOR BE NO /ATOES ONE                      |
| 13   | 188.20.0917.55173 | C03 Maria (CND) is think the A list of the Colon Co. |
| 15   | 188.20.0917.59330 | C05  |
| 17   | 188.20.0918.05143 | D01  |
| 19   | 188.20.0918.13433 | FT1  |
| 21   | 188.20.0918.28990 | G01  |
| 23   | 188.20.0918.32970 | H02 mail teni ed light - hocona lon                  |
| 25   | 188.20.0918.47157 | H04  |
| 27   | 188.20.0919.02173 | HJ2 and light the principles and of the party        |
| 29   | 188.20.0919.05530 | HJ4  |
| 31   | 188.20.0919.08860 | J03  |
| 33   | 188.20.0919.11453 | J04  |
| 35   | 188.20.0919.14040 | J05A   |
| 37   | 188.20.0919.16450 | J06A   |
| 39   | 188.20.0919.18890 | J07A   |
| 41   | 188.20.0919.21740 | K02  |
| 43   | 188.20.0919.27990 | M02  |
| 45   | 188.20.0919.36943 | M04  |
| 47   | GBLLETIN0118      | reput + 10 to 8 feb. a planter light                 |

| Item   | Drawing Number    | Truss  |
|--------|-------------------|--|
| 2      | 188.20.0916.01180 | A02  |
| 4      | 188.20.0916.05710 | A04  |
| 6      | 188.20.0916.14540 | A06  |
| 8      | 188.20.0916.21320 | B02 Interregal strates and another   |
| 10     | 188.20.0917.33490 | B04 m6 min view least le |
| 12     | 188.20.0917.52457 | C02  |
| 14     | 188.20.0917.57343 | C04  |
| 16     | 188.20.0918.03080 | C06  |
| 18     | 188.20.0918.08210 | D02  |
| 20     | 188.20.0918.16230 | FT2  |
| 22     | 188.20.0918.31540 | H01 stated another the transfer of   |
| 24     | 188.20.0918.42220 | H03 House of Anguiness according   |
| 26     | 188.20.0918.55780 | HJ1 Totalis 18 . 18 are geno 1208  |
| 28     | 188.20.0919.03687 | HJ3 CARBOTON ON SOTHWEST SERVICE   |
| 30     | 188.20.0919.06903 | Jo1 महा हारा तरमाञ्च द्वामाञ्चाद रुजायेना  |
| 32     | 188.20.0919.10117 | J03A   |
| 34     | 188.20.0919.12620 | J05  |
| 36     | 188.20.0919.15203 | J06  |
| 38     | 188.20.0919.17740 | J07 wall and salvant life salvant  |
| 40     | 188.20.0919.20170 | KO1 se abou labora na golfarmolni  |
| 42     | 188.20.0919.23673 | M01  |
| 44     | 188.20.0919.33123 | M03  |
| 46     | A14015ENC101014   | Countries a season a season of the   |
| WITE D | THE DISTRIBUTE OF | PERMITSHAM DELEGIS MEGINESIS SAF   |

### **General Notes**

### Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

### **Temporary Lateral Restraint and Bracing:**

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

### Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

### **Connector Plate Information:**

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at <a href="https://www.icc-es.org">www.icc-es.org</a>.

### Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

### **General Notes** (continued)

### **Key to Terms:**

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

### References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; <a href="https://www.alpineitw.com">www.alpineitw.com</a>.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 352276 COMN Ply: Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T27 FROM: CDM Qty: 5 Glenwood King's Personal Residence DrwNo: 188.20.0915.58347 Truss Label: A01 / YK 07/06/2020 5'8"5 10'10"3 26'3"11 5'1"13 5'8"5 5'1"13 5'1"13 5'1"13 =4X4 ≡3X4 =6X8 =3X4 =3X6(A1) 32

7'8"12

16'

| Loading Criteria (psf)   | Wind Criteria   | Snow Criteria (Pg,Pf in PSF)   | Defl/CSI Criteria   | 1 |
|--|---|--|---|---|
| Coading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 | Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES | PP Deflection in loc L/defl L/# VERT(LL): 0.132 K 999 240 VERT(CL): 0.256 K 999 180 HORZ(LL): 0.054 J HORZ(TL): 0.105 J Creep Factor: 2.0 Max TC CSI: 0.323 |   |
| Load Duration: 1.25<br>Spacing: 24.0 "   | MWFRS Parallel Dist: > 2h<br>C&C Dist a: 3.20 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60                            | TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE                     | Max BC CSI: 0.866<br>Max Web CSI: 0.667<br>VIEW Ver: 19.02.02B.0122.15  |   |
| Lumber   |   |  |   | ď |

8'3"4

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

### Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 8-4-3.

### ▲ Maximum Reactions (lbs)

B-C

8'3"4

7'8"12

23'8"12

| 1000 | C     | Diavity   |           | IN           | on-Grav  | vity  |
|------|-------|-----------|-----------|--------------|----------|-------|
| Loc  | R+    | / R-      | / Rh      | / Rw         | / U      | /RL   |
| A    | 1400  | 1-        | 1-        | /764         | /19      | /206  |
| 1    | 1400  | 1-        | 1-        | 1764         | /19      | 1-    |
| Win  | d rea | ctions b  | ased on   | <b>MWFRS</b> |          |       |
| A    | Brg \ | Nidth =   | 4.0       | Min Re       | eq = 1.7 |       |
| 1    | Brg \ | Nidth =   | 4.0       | Min Re       | eq = 1.7 |       |
| Bea  | rings | A & I ar  | e a rigid | surface.     |          |       |
| Mer  | nbers | not liste | ed have   | forces les   | s than 3 | 375#  |
| Max  | cimur | n Top C   | chord Fo  | orces Per    | Ply (lb  | s)    |
| Cho  | ords  | Tens.Co   | omp.      | Chords       | Tens.    | Comp. |
| Α.   | D     | EGO       | oen4      | e e          | AAG      | 4600  |

547 - 2259 C-D G-H H-I 543 -2377 D-E 446 - 1683 563 - 2604

F-G

- 2259

547

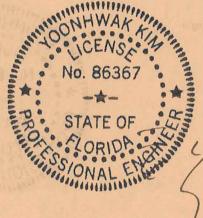
### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.C | comp. | Chords | Tens. | Comp. |  |
|--------|--------|-------|--------|-------|-------|--|
| A-L    | 2265   | -431  | K-J    | 1866  | -301  |  |
| L-K    | 1866   | -301  | J-1    | 2265  | -431  |  |

#### Maximum Web Forces Per Ply (lbs)

543 - 2377

| Webs | Tens.C | Comp. | Webs | Tens. | Comp. |
|------|--------|-------|------|-------|-------|
| L-D  | 471    | - 94  | K-F  | 195   | -615  |
| D-K  | 195    | -615  | F-J  | 471   | -94   |
| E.K  | 1117   | 247   |      |       |       |



FL REG# 278, Yoonhwak Kim, FL PE #86367

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

6750 Forum Drive Suite 305 Orlando FL, 32821

SEON: 352298 HIPS Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T23 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188,20,0916,01180 Truss Label: A02 / YK 07/06/2020 7'3"4 14 24'8"12 7'3"4 6'8"12 6'8"12 7'3"4 4-3 III2X4 =3X8 G |||2X4 ≡3X4 =4X4(A2) **≡3X4** 32 7'3"4 6'8"12 6'8"12 7'3"4 7'3"4 14 18 24'8"12 Landing Critoria (not) **Wind Criteria** Defl/CSI Criteria Snow Criteria (Pg,Pf in PSF) Wind Std: ASCE 7-10 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph Pf: NA VERT(LL): 0.106 J 999 240 Ce: NA

| Loading    | criteria (pst) |
|------------|----------------|
| TCLL:      | 20.00          |
| TCDL:      | 10.00          |
| BCLL:      | 0.00           |
| BCDL:      | 10.00          |
| Des Ld:    | 40.00          |
| NCBCLL:    | 10.00          |
| Soffit:    | 2.00           |
| Load Dura  | ation: 1.25    |
| Spacing: 2 | 24.0 "         |
|            |                |

Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18

Wind Duration: 1.60

# Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RES**

VERT(CL): 0.218 J 999 180 HORZ(LL): 0.048 G HORZ(TL): 0.099 G Creep Factor: 2.0 Max TC CSI: 0.572 TPI Std: 2014 Max BC CSI: Rep Fac: Yes Max Web CSI: 0.689 FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 19.02.02B.0122.15

| A M               | axim  | um Rea    | ctions        | (lbs)         | · - J41 | 1      |
|-------------------|-------|-----------|---------------|---------------|---------|--------|
|                   |       | Bravity   |               | N             | on-Gra  | vity   |
| Loc               | R+    | / R-      | /Rh           | / Rw          | / U     | /RL    |
| Α                 | 1318  | 1-        | 1-            | 7765          | /52     | /180   |
| F                 | 1318  | /-        | 1-            | /765          | /52     | 1-     |
| Win               | d rea | ctions b  | ased or       | <b>MWFRS</b>  |         |        |
| A Bra Width = 4.0 |       |           | Min Reg = 1.6 |               |         |        |
| F                 | Brg \ | Nidth =   | 4.0           | Min Reg = 1.6 |         |        |
| Bea               | rings | A&Fa      | re a rigi     | d surface.    |         |        |
| Mer               | nbers | not liste | ed have       | forces les    | s than  | 375#   |
| Max               | cimur | n Top C   | hord F        | orces Per     | Ply (lb | s)     |
| Cho               | ords  | Tens.Co   | omp.          | Chords        | Tens.   | Comp.  |
| A -               | В     | 582 -     | 2382          | D-E           | 506     | - 1765 |
| B -               | C     | 508 -     | 1773          | E-F           | 582     | -2382  |

#### Lumber

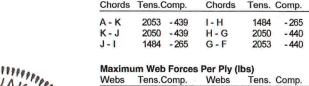
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind loads based on MWFRS with additional C&C

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is



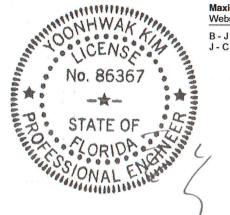
206 -634

443 -85

498 - 1486

Maximum Bot Chord Forces Per Ply (lbs)

C - D



-638

D-H

H-E

443

207

FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 352295 HIPS Ply: Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T12 Qty: 1 FROM: CDM Glenwood King's Personal Residence DrwNo: 188.20.0916.03660 Truss Label: A03 / YK 07/06/2020 6'3"4 12' 25'8"12 32' 6'3"4 5'8"12 5'8"12 6'3"4 =3X4 6'4"3 43 M |||2X4 =4X5 =3X8 =3X6(A1)=3X8 **∥2X4** =3X6(A1)6'3"4 5'8"12 8 5'8"12 6'3"4 6'3"4 12' 20' 25'8"12 ▲ Maximum Reactions (lbs)

| Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft | Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)  | Defi/CSI Criteria           PP Deflection in loc L/defl L/#           VERT(LL): 0.116 D 999 240           VERT(CL): 0.236 D 999 180           HORZ(LL): 0.049 I |
|--|---|--|---|
| Spacing: 24.0 "  | The state of the state of   | The state of the s | Max Web CSI: 0.385  VIEW Ver: 19.02.02B.0122.15   |
| Lumber   |   |  |   |

|     |       | Gravity   | to William | N            | on-Gra   | vity   |
|-----|-------|-----------|------------|--------------|----------|--------|
| Loc | R+    | / R-      | / Rh       | / Rw         | / U      | / RL   |
| Α   | 1313  | 3 /-      | 1-         | /761         | /83      | /186   |
| G   | 1456  | 3 /-      | 1-         | /875         | /101     | 1-     |
| Win | d rea | actions b | ased on    | <b>MWFRS</b> |          |        |
| Α   | Brg   | Width =   | 4.0        | Min Re       | eq = 1.5 | 5      |
| G   |       |           |            | Min Re       |          |        |
| Bea | rings | A&G       | are a rigi | d surface.   |          |        |
|     |       |           |            | forces les   |          | 375#   |
| Max | cimu  | m Top (   | Chord Fo   | orces Per    | Ply (lb  | s)     |
|     |       |           |            | Chords       |          |        |
| A - | В     | 605 -     | 2406       | D-E          | 527      | - 1640 |
| B - | C     | 542 -     | 1925       | E-F          | 539      | - 1917 |
| 0   | D     | 646       | 1GAE       | F C          | EOA      | 2200   |

Maximum Bot Chord Forces Per Ply (lbs)

E-J

J-F

526

154

-104

-449

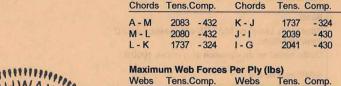
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is



175 -492

532 - 128



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

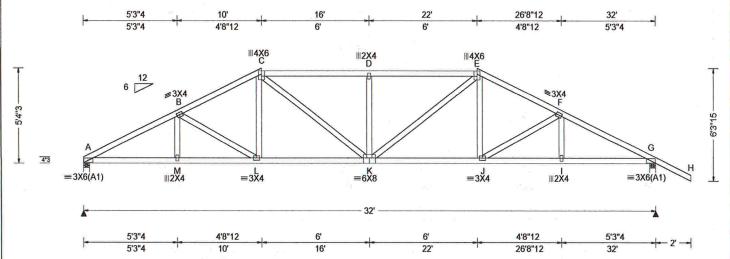
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SEQN: 352292 HIPS Ply: Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T8 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0916.05710 Truss Label: A04 07/06/2020 YK



| Loading Criteria (psf)   | Wind Criteria  | Snow Criteria (Pg,Pf in PSF)   | Defl/CSI Criteri   |
|--|--|--|--|
| TCLL: 20.00  | Wind Std: ASCE 7-10  | Pg: NA Ct: NA CAT: NA  | PP Deflection in   |
| TCDL: 10.00  | Speed: 130 mph   | Pf: NA Ce: NA  | VERT(LL): 0.13   |
| BCLL: 0.00   | Enclosure: Closed  | Lu: NA Cs: NA  | VERT(CL): 0.27   |
| BCDL: 10.00  | Risk Category: II<br>EXP: C Kzt: NA  | Snow Duration: NA  | HORZ(LL): 0.05   |
| Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 | Building Code:<br>FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s): | HORZ(TL): 0.10<br>Creep Factor: 2.<br>Max TC CSI: (<br>Max BC CSI: (<br>Max Web CSI: ( |
| 1 1  | Wind Duration: 1.60  | WAVE   | VIEW Ver: 19.03  |

| Defl/CSI Criteria         |              |
|---------------------------|--------------|
| PP Deflection in loc L/de | efl L/#      |
| VERT(LL): 0.133 D 99      | 9 240        |
| VERT(CL): 0.271 D 99      | 9 180        |
| HORZ(LL): 0.050 I -       | <del>-</del> |
| HORZ(TL): 0.101 I -       | -1           |
| Creep Factor: 2.0         |              |
| Max TC CSI: 0.425         | 1            |
| Max BC CSI: 0.698         | 1            |
| Max Web CSI: 0.214        |              |
| k 2                       |              |
|                           |              |
| VIEW Ver: 19.02.02B.012   | 22.15        |

| /RL<br>/160<br>/- |
|-------------------|
| /160              |
|                   |
| 1-                |
|                   |
|                   |
|                   |
|                   |
|                   |
| 75#               |
| s)                |
| Comp.             |
| -2150             |
| -2074             |
| - 2386            |
|                   |

| Top chord: 2x4 SP #2; |
|-----------------------|
| Bot chord: 2x4 SP #2; |
| Webs: 2x4 SP #3:      |

#### Wind

Lumber

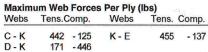
Wind loads based on MWFRS with additional C&C member design.

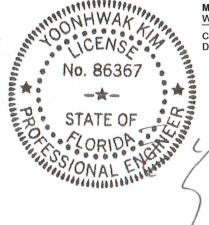
Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is

| Chords | Tens.C | Comp. | Chords | Tens. ( | Comp. |
|--------|--------|-------|--------|---------|-------|
| A - M  | 2117   | -462  | K-J    | 1797    | - 363 |
| M-L    | 2115   | -462  | J-1    | 2062    | -460  |
| L-K    | 1807   | -348  | 1 - G  | 2063    | -459  |





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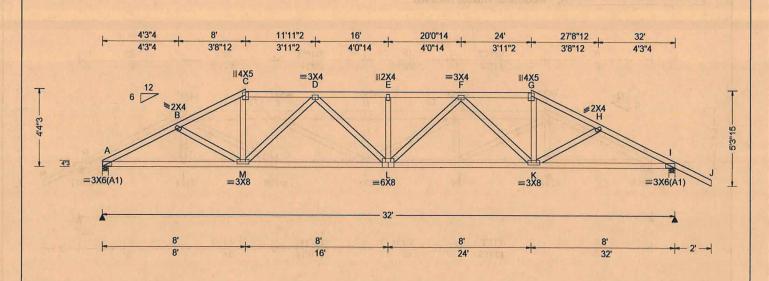


HIPS

Ply: Qty: 1

Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: A05

Cust: R215 JRef: 1WWQ2150002 T2 DrwNo: 188,20,0916,07507 / YK 07/06/2020



| Loading Criteria (psf) | Wind Criteria                          | Snow Criteria (Pg,Pf in PSF)  | Defl/CSI Criteria  |
|------------------------|--|-------------------------------|--|
| TCLL: 20.00            | Wind Std: ASCE 7-10                    | Pg: NA Ct: NA CAT: NA         | PP Deflection in loc L/defl L/#  |
| TCDL: 10.00            | Speed: 130 mph                         | Pf: NA Ce: NA                 | VERT(LL): 0.169 E 999 240  |
| BCLL: 0.00             | Enclosure: Closed                      | Lu: NA Cs: NA                 | VERT(CL): 0.343 E 999 180  |
| BCDL: 10.00            | Risk Category: II                      | Snow Duration: NA             | HORZ(LL): 0.057 K  |
| Des Ld: 40.00          | EXP: C Kzt: NA                         | C. C. St. B. C. District Land | HORZ(TL): 0.117 K  |
| NCBCLL: 10.00          | Mean Height: 15.00 ft<br>TCDL: 5.0 psf | Building Code:                | Creep Factor: 2.0  |
| Soffit: 2.00           | BCDL: 5.0 psf                          | FBC 2017 RES                  | Max TC CSI: 0.398  |
| Load Duration: 1.25    | MWFRS Parallel Dist: > 2h              | TPI Std: 2014                 | Max BC CSI: 0.862  |
| Spacing: 24.0 "        | C&C Dist a: 3.20 ft                    | Rep Fac: Yes                  | Max Web CSI: 0.447   |
|                        | Loc. from endwall: not in 9.00 ft      | FT/RT:20(0)/10(0)             |  |
|                        | GCpi: 0.18                             | Plate Type(s):                | The state of the s |
|                        | Wind Duration: 1.60                    | WAVE                          | VIEW Ver: 19.02.02B.0122.15  |
| Lumber                 |  |                               | Select Localities & Commission of the Commission |

|            | (                       | aravity   |                              | Non-Gravity  |                                |                      |  |  |
|------------|-------------------------|-----------|------------------------------|--------------|--------------------------------|----------------------|--|--|
| Loc        | R+                      | / R-      | /Rh                          | / Rw         | /U                             | / RL                 |  |  |
| Α          | 1313                    | 1-        | /-                           | 1742         | /143                           | /135                 |  |  |
| 1          | 1456                    | 1-        | 1-                           | /855         | /161                           | 1-                   |  |  |
| Win        | d rea                   | ctions b  | ased on                      | MWFRS        |                                |                      |  |  |
| A          | Brg \                   | Nidth =   | 4.0                          | Min Re       | eq = 1.5                       | 5                    |  |  |
| 1          | Brg \                   | Nidth =   | 4.0                          | Min Re       | q = 1.7                        | 7                    |  |  |
| Bea        | rings                   | A & I ar  | e a rigid                    | surface.     | H                              |                      |  |  |
|            |                         |           |                              |              |                                |                      |  |  |
| Men        | nbers                   | not liste | ed have                      | forces les   | s than                         | 375#                 |  |  |
|            |                         |           |                              | forces les   |                                |                      |  |  |
| Max        | cimun                   | n Top C   | hord Fo                      |              | Ply (lb                        | s)                   |  |  |
| Max        | cimur<br>ords           | n Top C   | hord Fo                      | rces Per     | Ply (lb                        | s)                   |  |  |
| Max        | cimur<br>ords<br>B      | Tens.Co   | hord Fo                      | chords       | Ply (lb<br>Tens.               | s)<br>Comp.<br>-2677 |  |  |
| Max<br>Cho | dimun<br>ords<br>B<br>C | Tens.Co   | chord Foomp.<br>2451<br>2244 | Chords E - F | Ply (lb<br>Tens.<br>764<br>583 | s)<br>Comp.<br>-2677 |  |  |

▲ Maximum Reactions (lbs)

# Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is

| Chords | Tens.C | Comp. | Chords | Tens. | Comp. |
|--------|--------|-------|--------|-------|-------|
| A - M  | 2140   | - 503 | L-K    | 2450  | - 554 |
| M-L    | 2462   | - 558 | K-I    | 2081  | - 501 |

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. M-C 738 - 181 232 -719 M - D 219 -706 G-K 717 - 156



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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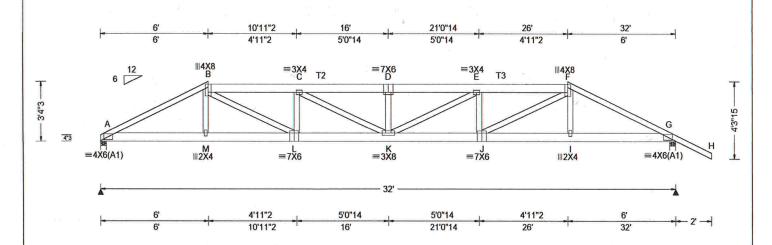
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 352301 HIPS Ply: 2 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T1 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0916.14540 Truss Label: A06 / YK 07/06/2020





| Loading  | Cittoria (pai) | Willia Citte           |
|----------|----------------|------------------------|
| TCLL:    | 20.00          | Wind Std:              |
| TCDL:    | 10.00          | Speed: 13              |
| BCLL:    | 0.00           | Enclosure:             |
| BCDL:    | 10.00          | Risk Categ             |
| Des Ld:  |                | EXP: C K               |
| Soffit:  |                | TCDL: 5.0<br>BCDL: 5.0 |
| Load Du  | ration: 1.25   | MWFRS P                |
| Spacing: | 24.0 "         | C&C Dist a             |
|          |                | Loc. from 6            |
|          |                |                        |

Loading Criteria (nef)

| Wind Criteria                     |
|-----------------------------------|
| Wind Std: ASCE 7-10               |
| Speed: 130 mph                    |
| Enclosure: Closed                 |
| Risk Category: II                 |
| EXP: C Kzt: NA                    |
| Mean Height: 15.00 ft             |
| TCDL: 5.0 psf                     |
| BCDL: 5.0 psf                     |
| MWFRS Parallel Dist: 0 to h/2     |
| C&C Dist a: 3.20 ft               |
| Loc. from endwall: not in 9.00 ft |
| GCpi: 0.18                        |
| Wind Duration: 1.60               |

| Snow C   | riteria (Pg | Pf in PSF) | Defl/CSI Criteria           |     |
|----------|-------------|------------|-----------------------------|-----|
| Pg: NA   | Ct: NA      | CAT: NA    | PP Deflection in loc L/defl | L/# |
| Pf: NA   |             | Ce: NA     | VERT(LL): 0.182 D 999       | 240 |
| Lu: NA   | Cs: NA      |            | VERT(CL): 0.365 D 999       | 180 |
| Snow Du  | uration: N/ | Δ .        | HORZ(LL): 0.035 I -         | -   |
|          |             |            | HORZ(TL): 0.071 I -         | -   |
| Building | Code:       |            | Creep Factor: 2.0           |     |
| FBC 201  | 7 RES       |            | Max TC CSI: 0.346           |     |
| TPI Std: | 2014        |            | Max BC CSI: 0.260           |     |
| Rep Fac  | : No        |            | Max Web CSI: 0.575          |     |
| FT/RT:2  | 0(0)/10(0)  |            | 1 1 1 1 1 1 1 1 1           |     |
| Plate Ty | pe(s):      |            |                             |     |
| WAVE     |             |            | VIEW Ver: 19.02.02B.0122    | .15 |
|          |             |            |                             |     |

#### 2939 /-1-/662 Wind reactions based on MWFRS Brg Width = 4.0Min Reg = 1.5 Brg Width = 4.0 Min Reg = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords A-B 656 - 2944 D-E 951 -4351 B-C 854 - 3894 E-F 851 -3886

Maximum Bot Chord Forces Per Ply (lbs)

Chords

951 - 4351

Chords Tens.Comp.

/Rh

1-

Non-Gravity

/610 1-

/RL

1-

647 - 2918

Tens. Comp.

-868

- 570

- 570

-95

- 591

-325

/Rw /U

▲ Maximum Reactions (lbs) Gravity

Loc R+

C-D

2796 /-

# Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

### Special Loads

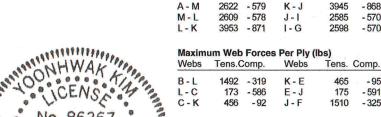
| (     | Lumber | Dur.Fa | ic.=1. | 25 | / Plat  | e D  | ur.F | ac.=   | 1.25 | 6)    |
|-------|--------|--------|--------|----|---------|------|------|--------|------|-------|
| TC:   | From   | 62 pl  | fat    | (  | 0.00 t  | 0    | 62   | plf at | t    | 6.00  |
| TC:   | From   | 31 pl  | fat    | (  | 5.00 to | 0    | 31   | plf at | t    | 26.00 |
| TC:   | From   | 62 pl  | fat    | 26 | 5.00 to | 0    | 62   | plf at | t    | 34.00 |
| BC:   | From   | 20 p   | fat    | (  | 0.00 t  | 0    | 20   | plf a  | t    | 6.03  |
| BC:   | From   | 10 p   | fat    | (  | 6.03 t  | 0    | 10   | plf at | t    | 25.97 |
| BC:   | From   | 20 p   | f at   | 2  | 5.97 t  | 0    | 20   | plf at | t    | 32.00 |
| BC:   | From   | 4 p    | f at   | 3  | 2.00 t  | 0    | 4    | plf a  | t    | 34.00 |
| TC:   | 291 lb | Conc.  | Load   | at | 6.03    | 25.  | 97   |        |      |       |
| TC:   | 152 lb | Conc.  | Load   | at | 8.06    | 10.  | 06,2 | 1.94   | ,23. | 94    |
| TC:   | 166 lb | Conc.  | Load   | at | 12.06   | ,14  | .06, | 6.00   | 17   | .94   |
| 19.94 |        |        |        |    |         |      |      |        |      |       |
| BC:   | 391 lb | Conc.  | Load   | at | 6.03    | ,25. | 97   |        |      |       |
| BC:   |        | Conc.  |        |    |         |      |      |        |      |       |
| BC:   | 112 lb | Conc.  | Load   | at | 12.06   | 5,14 | .06, | 16.00  | ),17 | .94   |

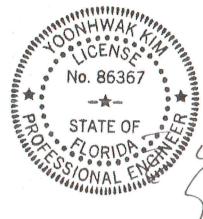
### 19.94 Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

#### Additional Notes

The overall height of this truss excluding overhang is





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SEON: 352304 HIPS Ply: 1 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T36 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0916.17547 Truss Label: B01 / YK 07/06/2020 7'3"4 14' 24'8"12 7'3"4 6'8"12 6'8"12 7'3"4 =5X6 /// 4X5 43 ||2X4 || G || 2X4 =4X4(A2) =3X4 ≡3X4 7'3"4 6'8"12 6'8"12 7'3"4 7'3"4 18 24'8"12 ▲ Maximum Reactions (lbs)

| Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 | Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf | Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES | Defl/CSI Criteria  PP Deflection in loc L/defl L/# VERT(LL): 0.106 J 999 240 VERT(CL): 0.219 J 999 180 HORZ(LL): 0.048 G HORZ(TL): 0.099 G Creep Factor: 2.0 Max TC CSI: 0.571 |
|---|---|---|--|
| Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 "  | BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60            | TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE  | Max BC CSI: 0.763<br>Max Web CSI: 0.772<br>VIEW Ver: 19.02.02B.0122.15   |

#### Non-Gravity Gravity Loc R+ /R-/Rh /Rw /U / RL 1318 7764 /39 /180 1318 1764 /39 1-Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.6 Brg Width = 4.0 Min Req = 1.6 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords A-B 584 - 2384 D-E 501 - 1739 B-C 503 - 1747 584 - 2384 E-F 494 - 1473 C - D

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

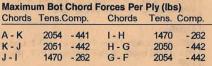
#### Wind

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is



#### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp.

H-E

-85

214 -665

441



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

443

215

-111

-668

SEQN: 352307 SPEC Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T29 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0916.21320 Truss Label: B02 / YK 07/06/2020 6'2"2 11'9"4 26'7"2 #4X5(SRS) =5X6 =3X4 #2X4 G M L ≡6X6 ≡4X5 O N ≡H0510 ≡4X6 ₽ 1112X4 K ∥2X4 =4X6(A1) =3X12(B3) 6'2"2 5'3"10 10'7" 5'4"14 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Ct: NA CAT: NA PP Deflection in loc L/defl L/# 20.00 Pg: NA TCLL: Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.283 M 999 240 Enclosure: Closed BCLL: 0.00 Cs: NA VERT(CL): 0.662 M 574 180 Lu: NA Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): -0.091 M EXP: C Kzt: NA HORZ(TL): 0.220 M 40.00 Des Ld: Mean Height: 15.00 ft NCBCLL: 10.00 **Building Code:** 

#### Lumber

Soffit:

2.00

Load Duration: 1.25

Spacing: 24.0 "

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP M-31;

#### Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5

TCDL: 5.0 psf

BCDL: 5.0 psf

C&C Dist a: 3.20 ft

Wind Duration: 1.60

MWFRS Parallel Dist: h to 2h

GCpi: 0.18

Loc. from endwall: not in 9.00 ft

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS with additional C&C

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is

Creep Factor: 2.0 Max TC CSI: 0.745 Max BC CSI: 0.779 Max Web CSI: 0.505

VIEW Ver: 19.02.02B.0122.15

|                   | G       | ravity   |            | Non-Gravity  |        |      |  |
|-------------------|---------|----------|------------|--------------|--------|------|--|
| Loc               | R+      | / R-     | /Rh        | /Rw          | / U    | /RL  |  |
| В                 | 1928    | 1-       | 1-         | /877         | /48    | /225 |  |
| J                 | 1833    | /-       | 1-         | 7762         | /22    | 1-   |  |
| Win               | d read  | tions b  | ased on    | <b>MWFRS</b> |        |      |  |
| В                 | Brg V   | Vidth =  | 4.0        | Min Re       | q = 1. | 6    |  |
| J Brg Width = 4.0 |         |          |            | Min Re       | q = 1. | 5    |  |
| Bea               | rings I | B&Ja     | re a rigid | surface.     | ż.     |      |  |
| Mer               | mbers   | not list | ed have f  | orces les    | s than | 375# |  |

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

| Chords | Tens.Comp. | Chords | Tens. Comp. |        |  |
|--------|------------|--------|-------------|--------|--|
| B-C    | 586 - 3348 | F-G    | 505         | - 1764 |  |
| C-D    | 563 - 3216 | G-H    | 377         | - 1444 |  |
| D-E    | 323 - 1144 | H-1    | 558         | -3278  |  |
| E-F    | 317 - 1113 | I-J    | 644         | - 3595 |  |

#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | rens.c | omp.  | Choras | rens. | comp. |
|--------|--------|-------|--------|-------|-------|
| B-P    | 2929   | -439  | M-L    | 3167  | - 502 |
| P-0    | 2934   | -440  | L-K    | 3167  | - 502 |
| O - N  | 2934   | - 440 | K-J    | 3166  | - 502 |
| N - M  | 2821   | - 342 |        |       |       |

Maximum Web Forces Per Ply (lbs)

| Webs  | Tens.Comp. |        | Webs  | Tens. Comp. |        |
|-------|------------|--------|-------|-------------|--------|
| N - Q | 1019       | -75    | R-S   | 27          | - 999  |
| Q-D   | 1042       | -79    | S-T   | 197         | - 1510 |
| Q-R   | 155        | -476   | S-G   | 559         | - 186  |
| D-R   | 260        | - 1632 | T-H   | 201         | - 1541 |
| E-R   | 813        | - 179  | H - M | 797         | - 38   |
| R-F   | 320        | - 940  | M - I | 206         | - 508  |

FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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**FBC 2017 RES** 

TPI Std: 2014

Rep Fac: Yes

Plate Type(s):

WAVE, HS

FT/RT:20(0)/10(0)

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SEQN: 352312 SPEC Ply: 1 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T28 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0916.24660 Truss Label: B03 / YK 07/06/2020 11'9"4 6'2"2 15 26'5"6 5'7"2 3'2"12 4'5"6 5'6"10 ≡4X4 E ≡2X4 T3 ≡5X5 ■4X4 7'10"3 47"3 =4X4 M =6X6 Q |||2X4 P 0 ≡H0510≡4X6 =4X6(A1) 112X4 =3X12(B3) 6'2"2 5'3"10 4'4"10 5'6"10 6'2"2 11'5"12 22'0"12 ▲ Maximum Reactions (lbs) Non-Gravity Gravity

| Loading Criteria (psf) | Wind Criteria  | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria  |  |  |
|------------------------|--|------------------------------|--|--|--|
| TCLL: 20.00            | Wind Std: ASCE 7-10  | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/#  |  |  |
| TCDL: 10.00            | Speed: 130 mph   | Pf: NA Ce: NA                | VERT(LL): 0.355 G 999 240  |  |  |
| BCLL: 0.00             | Enclosure: Closed  | Lu: NA Cs: NA                | VERT(CL): 0.771 G 493 180  |  |  |
| BCDL: 10.00            | Risk Category: II  | Snow Duration: NA            | HORZ(LL): -0.102 I   |  |  |
| Des Ld: 40.00          | EXP: C Kzt: NA   | H Nº SE Y Y SEDIET           | HORZ(TL): 0.243 1  |  |  |
| NCBCLL: 10.00          | Mean Height: 15.00 ft<br>TCDL: 5.0 psf   | Building Code:               | Creep Factor: 2.0  |  |  |
| Soffit: 2.00           | BCDL: 5.0 psf  | FBC 2017 RES                 | Max TC CSI: 0.622  |  |  |
| Load Duration: 1.25    | MWFRS Parallel Dist: h to 2h   | TPI Std: 2014                | Max BC CSI: 0.794  |  |  |
| Spacing: 24.0 "        | C&C Dist a: 3.20 ft  | Rep Fac: Yes                 | Max Web CSI: 0.586   |  |  |
| Mary Table - Section   | Loc. from endwall: not in 9.00 ft  | FT/RT:20(0)/10(0)            | and the party of t |  |  |
|                        | GCpi: 0.18   | Plate Type(s):               | (Figs. 1305)   |  |  |
| Ser U.S. July          | Wind Duration: 1.60  | WAVE, HS                     | VIEW Ver. 19.02.02B.0122.15  |  |  |
| Lumber                 | A STATE OF THE STA |                              |  |  |  |

# Loc R+

/Rw /U / RL 1926 /-/225 1834 /761 /20

Wind reactions based on MWFRS Brg Width = 4.0 В Min Req = 1.6 Brg Width = 4.0 Min Req = 1.5

Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. 568 - 3336 G-H 126 -479 C-D 561 - 3234 G-1 492 - 2800 D-E 292 - 1157 546 - 3262 1 - J E-F 249 - 1017 J-K 650 -3600 F-G 527 - 2746

Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; W3,W6 2x4 SP M-31;

#### Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

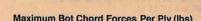
#### Wind

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is



| Chords | Tens.C | Comp. | Chords | Tens. | Comp. |
|--------|--------|-------|--------|-------|-------|
| B-Q    | 2917   | -420  | N-M    | 3165  | -505  |
| Q-P    | 2923   | -422  | M-L    | 3165  | - 505 |
| P-0    | 2923   | -422  | L-K    | 3166  | - 506 |
| 0 - N  | 2859   | -348  |        |       |       |

Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |        |
|------|------------|------|-------------|--------|
| O-R  | 1043 -78   | S-F  | 343         | - 1951 |
| R-D  | 1064 -83   | H-1  | 1468        | - 200  |
| R-S  | 138 - 570  | H-N  | 740         | - 14   |
| D-S  | 240 - 1532 | N-J  | 218         | -472   |
| S-E  | 595 -86    |      |             |        |



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SEQN: 352380 SPEC FROM: CDM Page 1 of 2

Job Number: 20-4374

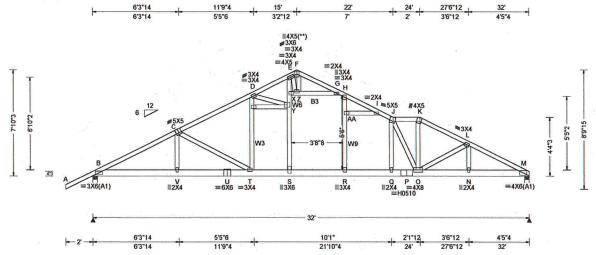
Ply: 2

Qty: 1

Glenwood King's Personal Residence Truss Label: B04

Cust: R 215 JRef: 1WWQ2150002 T3 DrwNo: 188.20.0917.33490 07/06/2020 / YK





| ١ | Loading C  | riteria (pst) |
|---|------------|---------------|
| ١ | TCLL:      | 20.00         |
| ١ | TCDL:      | 10.00         |
| ı | BCLL:      | 0.00          |
|   | BCDL:      | 10.00         |
|   | Des Ld:    | 40.00         |
|   | NCBCLL:    | 10.00         |
|   | Soffit:    | 2.00          |
|   | Load Dura  | tion: 1.25    |
|   | Spacing: 2 | 24.0 "        |
| ı |            |               |

#### **Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

| Snow C   | riteria (Pg | ,Pf in PSF) |
|----------|-------------|-------------|
| Pg: NA   | Ct: NA      | CAT: NA     |
| Pf: NA   |             | Ce: NA      |
| Lu: NA   | Cs: NA      |             |
| Snow Du  | ration: N   | A           |
| Building | Code:       |             |
| FBC 201  | 7 RES       |             |
| TPI Std: | 2014        |             |
| Rep Fac  | : Varies b  | y Ld Case   |
| FT/RT:2  | 0(0)/10(0)  |             |

### DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.521 Q 729 240 VERT(CL): 1.049 Q 362 180 HORZ(LL): -0.164 K HORZ(TL): 0.330 K Creep Factor: 2.0 Max TC CSI: 0.786 Max BC CSI: 0.958 Max Web CSI: 0.967 VIEW Ver: 19.02.02B.0122.15

| A M | axim  | um Re    | actions   | (lbs)        | 9.087    |        |
|-----|-------|----------|-----------|--------------|----------|--------|
|     | . (   | Gravity  |           | Non-Gravity  |          |        |
| Loc | R+    | / R-     | / Rh      | / Rw         | / U      | /RL    |
| В   | 2618  | /-       | 1-        | 1-           | /416     | 1-     |
| M   | 4176  | 1-       | 1-        | /-           | /566     | 1-     |
| Win | d rea | ctions b | pased or  | <b>MWFRS</b> |          |        |
| В   | Brg 1 | Width =  | 4.0       | Min Re       | q = 1.5  | př     |
| M   | Brg ' | Width =  | 4.0       | Min Re       | q = 1.7  | la.    |
| Bea | rings | B&M      | are a rig | jid surface. |          |        |
| Mer | nbers | not list | ed have   | forces les   | s than 3 | 375#   |
| Max | cimu  | m Top    | Chord F   | orces Per    | Ply (lb  | s)     |
| Cho | ords  | Tens.C   | omp.      | Chords       | Tens.    | Comp.  |
| В-  | С     | 347 -    | 2401      | H-1          | 280      | -2097  |
| C-  | D     | 339 -    | 2434      | 1 - J        | 348      | -2544  |
| D - | E     | 212 -    | 1638      | J-K          | 331      | -2422  |
| E-  | F     | 89       | -728      | K-L          | 376      | - 2694 |
| F - | G     | 90       | -699      | L-M          | 443      | - 3237 |
| -   |       |          |           |              |          |        |

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP #2; W6, W9 2x4 SP M-31:

#### Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### **Plating Notes**

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Attic room loading from 14-6-12 to 18-3-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

### **Purlins**

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

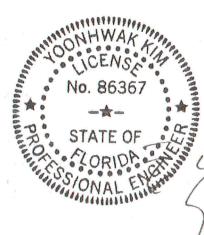
#### WAVE, HS Wind

Plate Type(s):

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 7-10-3.



| F-G    | 90     | -699    | L-M        | 443      | -3237 |
|--------|--------|---------|------------|----------|-------|
| G-H    | 292    | - 2132  |            |          |       |
| Maximu | ım Bot | Chord I | Forces Per | Ply (lbs | s)    |
| Chords | Tens.C | Comp.   | Chords     | Tens.    | Comp. |
| B-V    | 2112   | - 296   | R-Q        | 2321     | - 313 |
| V - U  | 2117   | - 298   | Q-P        | 2360     | -319  |
| U - T  | 2117   | - 298   | P - O      | 2360     | -319  |
| T-S    | 2200   | -296    | O - N      | 2870     | - 388 |
| S-R    | 2216   | - 298   | N - M      | 2884     | -389  |

# Maximum Web Forces Per Ply (lbs)

| Webs  | Tens.C | omp.   | Webs  | Tens. | Comp.  |
|-------|--------|--------|-------|-------|--------|
| D-Y   | 79     | -442   | AA-R  | 600   | -49    |
| X - Y | 902    | -87    | AA- H | 633   | - 54   |
| X-E   | 877    | -85    | AA-I  | 70    | -495   |
| X-Z   | 204    | - 1399 | Q-J   | 169   | - 1069 |
| Y-S   | 808    | -69    | 0 - K | 971   | - 111  |
| E-Z   | 67     | -650   | 0 - L | 72    | - 566  |
| F - Z | 738    | -78    | L-N   | 398   | - 16   |
| Z-G   | 228    | - 1632 |       |       |        |

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SEQN: 352380 SPEC Ply: 2 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T3 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0917.33490 Page 2 of 2 Truss Label: B04 / YK 07/06/2020

Special loads

TC: From 10 plf at 14.56 to 10 plf at 17.54 PLT: From From 80 plf at 14.56 to 80 p From 4 plf at -2.00 to 4 p From 20 plf at 0.00 to 20 p 818 lb Conc. Load at 14.42 55 lb Conc. Load at 14.56,18.27 80 plf at 4 plf at 20 plf at PLT: From 18.27 BC: From BC: From 0.00

BC: 956 lb Conc. Load at 18.42 BC: 1490 lb Conc. Load at 30.06 BC: 323 lb Conc. Load at 30.94



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SEON: 352368 ATIC Ply: 2 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T34 Glenwood King's Personal Residence FROM: CDM Qty: 1 DrwNo: 188.20.0917.50093 Truss Label: C01 YK 07/06/2020 2 Complete Trusses Required 11'9"4 22'0"12 26'8"14 3'2"12 =3X4 =3X4 =3X4 ||4X4 F III2X4 =4X6 =3X4 **■3**X6 P 0 ≡H0510 ≡3X4 N ⊪2X4 =4X5(A1) =4X4(A1) Q ∥3X4 6'3"14 6'3"14 10'3"8 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non-Gravity Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /Rh / RL /Rw /U Speed: 130 mph /R TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.306 J 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.626 J 570 180 2465 /-/383 1-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): -0.112 J M 2566 /-1-/354 1-EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.228 J Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 4.0 Min Req = 1.5 **Building Code:** Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Brg Width = -Min Reg = -**FBC 2017 RES** Max TC CSI: 0.571 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.500 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Varies by Ld Case Max Web CSI: 0.849 Spacing: 24.0 ' C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 315 - 2260 H-1 258 - 2026 Wind Duration: 1.60 WAVE, HS VIEW Ver: 19.02.02B.0122.15 C-D 293 - 2200 1 - J 296 -2256 Special loads Dur.Fa.
62 plf at
22 plf at
16.
20 plf at
14.56
100 plf at
14.56 to
n 4 plf at
20 plf at
0.00 to
0 plf at
10.
18 lb Conc. Load at 14.42
10 lb Conc. Load at 14.56
109 lb Conc. Load at 18.27
956 lb Conc. Load at 18.27
956 lb Conc. Load at 18.43

NO. 86367

Ma
W

CENS Lumber --(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) D-E 190 - 1574 J-K 289 -2263 Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; W6 2x4 SP M-31; W9 2x4 SP #2; TC: From F-F 91 -818 K - I 304 -2302 TC: From F-G 95 -812 L-M 375 -2724 PLT: From G-H 253 - 1939 PLT: From Nailnote BC: From BC: From Maximum Bot Chord Forces Per Ply (lbs) Nail Schedule:0.131"x3", min. nails Chords Tens.Comp. Chords Tens. Comp. Top Chord: 1 Row @12.00" o.c. BC: Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. B-U 1987 - 268 Q-P 2018 -259 BC U-T 1989 -269 P - 0 2419 -331 Use equal spacing between rows and stagger nails T-S 1989 -269 0 - N 2419 - 331 in each row to avoid splitting. S-R 1966 -252 N-M 2428 - 331 R-Q 1968 - 252 Hangers / Ties (J) Hanger Support Required, by others Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Tens. Comp. Webs Attic room loading from 14-6-12 to 18-3-4: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, 775 -74 W-X 918 -80 Y-G 177 -1280 Kneewalls: 10 PSF W-E 891 -78 Z - Q 498 -37 153 - 1030 W-Y Z-H 514 -39 P-L X-R 826 -62 77 -430 Collar-tie braced with continuous lateral bracing at 24" E-Y 67 -699 oc. or rigid ceiling. Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft. **Additional Notes** 

\*WARNING\*\*

The overall height of this truss excluding overhang is 7-10-3.

ARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWINGI
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS \*\*IMPORTANT\*\* \*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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For more information see these web sites: Alpine; www.alpineitw.com: TPI: www.tpinst.org: SBCA: www.sbcindustry.com; ICC: www.iccsafe.org.

FL REG# 278, Yoonhwak Kim, FL PE #86367

07/06/2020



| Loading Criteria (psf)                         | Wind Criteria  | Snow Criteria (Pg,Pf in PSF)           | Defl/CSI Criteria  |
|--|--|--|--|
| TCLL: 20.00<br>TCDL: 10.00                     | Wind Std: ASCE 7-10<br>Speed: 130 mph                                | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.354 K 999 240 |
| BCLL: 0.00<br>BCDL: 10.00                      | Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA             | Lu: NA Cs: NA<br>Snow Duration: NA     | VERT(CL): 0.776 K 459 180<br>HORZ(LL): -0.131 G              |
| Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00 | Mean Height: 15.00 ft<br>TCDL: 5.0 psf                               | Building Code:<br>FBC 2017 RES         | HORZ(TL): 0.302 G Creep Factor: 2.0  Max TC CSI: 0.566       |
| Load Duration: 1.25<br>Spacing: 24.0 "         | BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft | TPI Std: 2014<br>Rep Fac: Yes          | Max BC CSI: 0.766<br>Max Web CSI: 0.430                      |
| rolling English                                | Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18                      | FT/RT:20(0)/10(0)<br>Plate Type(s):    | Application of the second                                    |
|  | Wind Duration: 1.60  | WAVE                                   | VIEW Ver: 19.02.02B.0122.15                                  |

|     | G      | ravity    | 1-119     | N         | on-Gra   | vity       |
|-----|--------|-----------|-----------|-----------|----------|------------|
| Loc | R+     | /R-       | /Rh       | / Rw      | / U      | /RL        |
| В   | 1813   | 1-        | 1-        | /825      | /35      | /222       |
| 1   | 1780   | 1-        | 1-        | /712      | /19      | 1-         |
| Wir | d read | ctions b  | ased on   | MWFRS     |          |            |
| В   | Brg V  | Vidth =   | 4.0       | Min Re    | eq = 1.5 | 5          |
| 1   |        |           | 4.0       |           |          |            |
| Bea | rings  | B&lar     | e a rigid | surface.  | 101      |            |
| Mer | mbers  | not liste | ed have f | orces les | s than : | 375#       |
| Max | cimun  | Top C     | hord Fo   | rces Per  | Ply (lb  | s)         |
|     |        |           |           | Chords    |          |            |
| В-  | С      | 467 -     | 3098      | G-H       | 428      | - 3070     |
| C-  | D      | 444 -     | 2968      | H-I       | 576      | - 3609     |
| F - | G      | 441 -     | 2584      |           | - 0.00   | NI INCOME. |

Top chord: 2x4 SP M-31; T1 2x4 SP #2; T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2; Webs: 2x4 SP #3;

#### Loading

Attic room loading from 11-9-4 to 21-9-4; Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is



Maximum Web Forces Per Ply (lbs)

Chords

K-J

Tens. Comp.

3244

3238

-248

-468

-470

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

2713 -355

2544 - 248

B - N

N-M

M-L

Webs Tens.Comp. Webs Tens. Comp M - D 1071 -68 835 G-K - 15 390 - 2462 D-0 K-H 235 -868 0 - F 394 - 2492

FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEON: 352401 HIP\_ Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T24 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0917.55173 Truss Label: C03 YK 07/06/2020 6'2"2 13 26'8"14 30' 6'2"2 6'9"14 9'8"14 3'3"2 =3X4 F |||2.5X6 T4 6'10'3 53" ₹7X6(SRS) M L ≡5X5 ≡3X5 P Ⅲ2X4 O N ≡H0510 ≡4X6 |||2X4 =4X6(A1) =3X12(B3) 6'2"2 5'3"10 10'7" 4'8"2 3'3"2 6'2"2 11'5"12 22'0"12 26'8"14 30' ▲ Maximum Reactions (lbs) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria Gravity Non-Gravity oc R+ / R-/Rh /Rw /U /RL

| TCLL: 20.00         | Wind Std: ASCE 7-10                     | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# | Gravity  | Non-Gravity       |
|---------------------|---|-----------------------|---------------------------------|--|-------------------|
| TCDL: 10.00         | Speed: 130 mph                          | Pf: NA Ce: NA         | VERT(LL): 0.363 M 981 240       | Loc R+ /R- /Rh   | /Rw /U /RL        |
| BCLL: 0.00          | Enclosure: Closed                       | Lu: NA Cs: NA         | VERT(CL): 0.797 M 447 180       | B 1813 /- /-   | /826 /69 /196     |
| BCDL: 10.00         | Risk Category: II                       | Snow Duration: NA     | HORZ(LL): -0.133 H              | J 1780 /- /-   | /713 /50 /-       |
| Des Ld: 40.00       | EXP: C Kzt: NA<br>Mean Height: 15.00 ft |                       | HORZ(TL): 0.307 H               | Wind reactions based on N  | <b>NWFRS</b>      |
| NCBCLL: 10.00       | TCDL: 5.0 psf                           | Building Code:        | Creep Factor: 2.0               | B Brg Width = 4.0  | Min Req = 1.5     |
| Soffit: 2.00        | BCDL: 5.0 psf                           | FBC 2017 RES          | Max TC CSI: 0.688               | J Brg Width = 4.0  | Min Req = 1.5     |
| Load Duration: 1.25 | MWFRS Parallel Dist: h to 2h            | TPI Std: 2014         | Max BC CSI: 0.772               | Bearings B & J are a rigid<br>Members not listed have for  |                   |
| Spacing: 24.0 "     | C&C Dist a: 3.00 ft                     | Rep Fac: Yes          | Max Web CSI: 0.432              | Maximum Top Chord For  |                   |
| M 480               | Loc. from endwall: not in 9.00 ft       | FT/RT:20(0)/10(0)     | A B mar a second                | The state of the s | Chords Tens. Comp |
|                     | GCpi: 0.18                              | Plate Type(s):        | 14.0                            |  |                   |
| A                   | Wind Duration: 1.60                     | WAVE, HS              | VIEW Ver: 19.02.02B.0122.15     | D 0 0000 1   | F-G 426 -13       |

### Lumber

Top chord: 2x4 SP #2; T4 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3;

### **Plating Notes**

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

#### **Purlins**

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is 6-10-3.

#### Chords Tens.Comp. Tens. Comp. B-C 520 - 3095 F-G 426

492 - 2971 G-H 484 -2587 C - D D-E 220 -713 H-1 473 -3067 E-F 567 - 144 1-J 607 -3580

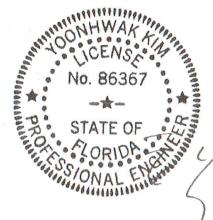
- 136

#### Maximum Bot Chord Forces Per Ply (lbs) Tens Comp Charde

| Chorus | 16113.0 | onip. | Ciloius | Tells. | comp. |
|--------|---------|-------|---------|--------|-------|
| B-P    | 2704    | - 403 | M-L     | 3214   | - 495 |
| P-0    | 2710    | -403  | L-K     | 3214   | -495  |
| O - N  | 2710    | -403  | K-J     | 3207   | -496  |
| N - M  | 2546    | - 289 |         |        |       |

#### Maximum Web Forces Per Ply (lbs)

| Webs  | Tens.Comp. | Webs  | Tens. | Comp. |
|-------|------------|-------|-------|-------|
| N - D | 1077 -71   | R-F   | 811   | -93   |
| D - Q | 325 - 1977 | R-G   | 458   | -3139 |
| Q-R   | 331 - 2015 | H - M | 820   | - 19  |
| E-R   | 120 - 1024 | M - I | 220   | -838  |



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEQN: 352404 HIPS Ply: Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T22 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0917.57343 Truss Label: C04 07/06/2020 / YK 5'9"4 24'2"12 30 5'9"4 5'2"12 5'2"12 5'9"4 114X5 =3X4 **∥4**X5 5'10"3 6.9 N III2X4 =3X8=3X5 =3X8 112X4 5'9"4 5'2"12 5'9"4 5'9"4 11' 19' 24'2"12 30 ▲ Maximum Reactions (lbs)

| Loading Criteria (psf)    | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               |   |
|---------------------------|-----------------------------------|------------------------------|---------------------------------|---|
| TCLL: 20.00               | Wind Std: ASCE 7-10               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | ı |
| TCDL: 10.00               | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): 0.104 E 999 240       | 1 |
| BCLL: 0.00                | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.210 E 999 180       |   |
| BCDL: 10.00               | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.043 J               |   |
| Des Ld: 40.00             | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.088 J               | 1 |
| NCBCLL: 10.00             | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | 1 |
| Soffit: 2.00              | TCDL: 5.0 psf<br>BCDL: 5.0 psf    | FBC 2017 RES                 | Max TC CSI: 0.387               | 1 |
| Load Duration: 1.25       | MWFRS Parallel Dist: h/2 to h     | TPI Std: 2014                | Max BC CSI: 0.739               | 1 |
| Spacing: 24.0 "           | C&C Dist a: 3.00 ft               | Rep Fac: Yes                 | Max Web CSI: 0.253              | 1 |
|                           | Loc. from endwall: not in 9.00 ft | FT/RT:20(0)/10(0)            |                                 |   |
| the state of the state of | GCpi: 0.18                        | Plate Type(s):               | Vigeral start                   |   |
| Win 197                   | Wind Duration: 1.60               | WAVE                         | VIEW Ver: 19.02.02B.0122.15     |   |
| Lumber                    | Charleton and the                 |                              |                                 |   |

|     | Gravity |             |           | Non-Gravity  |         |        |
|-----|---------|-------------|-----------|--------------|---------|--------|
| Loc | R+      | /R-         | / Rh      | / Rw         | 10      | / RL   |
| В   | 1369    | ) /-        | 1-        | /822         | /249    | /190   |
| H   | 1369    | ) /-        | 1-        | /822         | /249    | 1-     |
| Wir | nd rea  | actions b   | ased on   | <b>MWFRS</b> |         |        |
| В   | Brg     | Width =     | 4.0       | Min Re       | q = 1.6 | 3      |
| H   | Brg     | Width =     | 4.0       | Min Re       | q = 1.6 | 3      |
| Bea | arings  | в В & На    | re a rigi | d surface.   |         |        |
| Me  | mber    | s not liste | ed have   | forces les   | s than  | 375#   |
| Ma  | ximu    | m Top C     | chord Fo  | orces Per    | Ply (lb | s)     |
| Cho | ords    | Tens.Co     | omp.      | Chords       | Tens.   | Comp.  |
| В-  | С       | 528 -       | 2192      | E-F          | 479     | - 1545 |
| C-  | D       | 490 -       | 1802      | F-G          | 489     | - 1802 |
| D-  | E       | 479 -       | 1545      | G-H          | 527     | -2192  |

Maximum Bot Chord Forces Per Ply (lbs)

K-G

138

-386

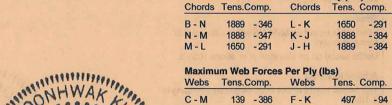
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

The overall height of this truss excluding overhang is 5-10-3.



497 -94



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 352407 HIPS Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T19 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0917.59330 Truss Label: C05 07/06/2020 YK 4'9"4 15' 21 25'2"12 30' 4'9"4 4'2"12 6' 6 4'2"12 4'9"4 ∥4X5 D **∥4**¥5 4'10"3 S 2.8" 4"3 N |||2X4 ■3X4 K ≡3X4 =4X4(A2) =6X8 **∥2X4** 30 4'9"4 4'2"12 6' 6' 4'2"12 4'9"4 4'9"4 15' 21 25'2"12 30'

| Loading    | Criteria (psf |
|------------|---------------|
| TCLL:      | 20.00         |
| TCDL:      | 10.00         |
| BCLL:      | 0.00          |
| BCDL:      | 10.00         |
| Des Ld:    | 40.00         |
| NCBCLL:    | 10.00         |
| Soffit:    | 2.00          |
| Load Dura  | ation: 1.25   |
| Spacing: 2 | 24.0 "        |
|            |               |

| Wind Criteria                  |
|--------------------------------|
| Wind Std: ASCE 7-10            |
| Speed: 130 mph                 |
| Enclosure: Closed              |
| Risk Category: II              |
| EXP: C Kzt: NA                 |
| Mean Height: 15.00 ft          |
| TCDL: 5.0 psf                  |
| BCDL: 5.0 psf                  |
| MWFRS Parallel Dist: h/2 to I  |
| C&C Dist a: 3.00 ft            |
| Loc. from endwall: not in 9.00 |
| GCpi: 0.18                     |
|                                |

Wind Duration: 1.60

| Snow C   | riteria (Pg | ,Pf in PSF) |
|----------|-------------|-------------|
| Pg: NA   | Ct: NA      | CAT: NA     |
| Pf: NA   |             | Ce: NA      |
| Lu: NA   | Cs: NA      |             |
| Snow Du  | uration: N  | Ą           |
| Building | Code:       | -           |
| FBC 201  | 7 RES       |             |
| TPI Std: | 2014        |             |
| Rep Fac  | : Yes       |             |

FT/RT:20(0)/10(0) Plate Type(s):

WAVE

| Defl/CSI Criteria    |        |     |
|----------------------|--------|-----|
| PP Deflection in loc | L/defl | L/# |
| VERT(LL): 0.122 E    | 999    | 24  |
| VERT(CL): 0.247 E    | 999    | 18  |
| HORZ(LL): 0.043 J    | -      |     |
| HORZ(TL): 0.088 J    |        | -   |
| Creep Factor: 2.0    |        |     |
| Max TC CSI: 0.426    |        |     |
| Max BC CSI: 0.662    |        |     |
| Max Web CSI: 0.183   |        |     |
| 1 12 90              |        |     |
| 40 - 1 K             |        |     |
| VIEW Ver: 19.02.02B  | .0122  | 15  |

| A M | axim  | um Rea    | ctions (  | lbs)          |          |        |
|-----|-------|-----------|-----------|---------------|----------|--------|
|     |       | Gravity   |           | No            | on-Gra   | vity   |
| Loc | R+    | / R-      | /Rh       | /Rw           | / U      | / RL   |
| В   | 1369  | /-        | 1-        | /815          | /252     | /164   |
| H   | 1369  | 1-        | 1-        | /815          | 1252     | 1-     |
| Win | d rea | ctions b  | ased on   | <b>MWFRS</b>  |          |        |
| В   | Brg \ | Nidth =   | 4.0       | Min Re        | q = 1.6  | 3      |
| H   | Brg \ | Nidth =   | 4.0       | Min Reg = 1.6 |          |        |
| Bea | rings | В&На      | re a rigi | d surface.    |          |        |
| Mer | nbers | not liste | ed have   | forces les    | s than 3 | 375#   |
| Max | cimur | n Top C   | hord F    | orces Per     | Ply (lb  | s)     |
| Cho | rds   | Tens.Co   | mp.       | Chords        | Tens.    | Comp.  |
| B - | C ,   | 550 -     | 2206      | E-F           | 598      | -2089  |
| C-  | D     | 537 -     | 1957      | F-G           | 537      | - 1957 |
| D-  | E     | 598 -     | 2089      | G-H           | 549      | - 2206 |

#### Lumber

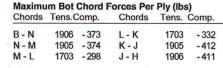
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

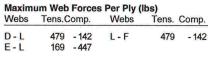
Wind loads based on MWFRS with additional C&C

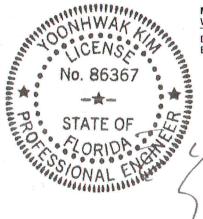
Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is







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4'0"14

15'

4'0"14

19'0"14

3'11"2

23'

| Loading Criteria (psf) | Wind Criteria                     |
|------------------------|-----------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7-10               |
| TCDL: 10.00            | Speed: 130 mph                    |
| BCLL: 0.00             | Enclosure: Closed                 |
| BCDL: 10.00            | Risk Category: II                 |
| Des Ld: 40.00          | EXP: C Kzt: NA                    |
|                        | Mean Height: 15.00 ft             |
| NCBCLL: 0.00           | TCDL: 5.0 psf                     |
| Soffit: 2.00           | BCDL: 5.0 psf                     |
| Load Duration: 1.25    | MWFRS Parallel Dist: 0 to h/2     |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft               |
|                        | Loc. from endwall: not in 9.00 ft |
|                        | GCpi: 0.18                        |
|                        | Wind Duration: 1.60               |
|                        |                                   |

| Snow Criteria (Pg,Pf in PSF)   | Defl/CSI Criteria  |
|--|--|
| Pg: NA Ct: NA CAT: NA  | PP Deflection in loc L/defl L/#  |
| Pf: NA Ce: NA  | VERT(LL): 0.125 E 999 240  |
| Lu: NA Cs: NA  | VERT(CL): 0.250 E 999 180  |
| Snow Duration: NA  | HORZ(LL): 0.029 J  |
| A STATE OF THE PARTY OF THE PAR | HORZ(TL): 0.057 J  |
| Building Code:   | Creep Factor: 2.0  |
| FBC 2017 RES   | Max TC CSI: 0.412  |
| TPI Std: 2014  | Max BC CSI: 0.209  |
| Rep Fac: No  | Max Web CSI: 0.397   |
| The state of the s | THE STATE OF |
|  | interest total   |
| WAVE   | VIEW Ver: 19.02.02B.0122.15  |
|  | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):  |

#### Gravity Non-Gravity /Rw /U / RL / R-В 2799 /616 2799 /616 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-C 592 - 2723 E-F 740 - 3462 C-D 684 - 3186 F-G 684 - 3186 D-E 740 - 3462 592 G-H -2723

30

▲ Maximum Reactions (lbs)

#### Lumber

Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2,0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

### Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at 31 plf at -2.00 to 7.00 to 62 plf at 31 plf at TC: From TC: From TC: From 62 plf at 23.00 to 62 plf at 32.00 -2.00 to 0.00 to 4 plf at 20 plf at 10 plf at 0.00 BC: From 4 plf at 20 plf at BC: From BC: From 10 plf at 7.03 to 22.97 BC: From 20 plf at 22.97 to 20 plf at BC: From 4 plf at 30.00 to 4 plf at 32. TC: 257 lb Conc. Load at 7.03,22.97 TC: 182 lb Conc. Load at 9.06,11.06,13.06,15.00 32.00 16.94,18.94,20.94 BC: 419 lb Conc. Load at 7.03,22.97 BC: 127 lb Conc. Load at 9.06,11.06,13.06,15.00

16.94,18.94,20.94

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

3'11"2

10'11"2

The overall height of this truss excluding overhang is 3-10-3

#### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-N 2412 - 517 3227 -695 N-M 2401 - 517 2401 -517 -695 M-L 3227 J-H 2412 -517

#### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-M 1041 - 220 F-K 148 -516 M - D 148 -516 K-G 1041 -220



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SEQN: 352413 COMN Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T9 FROM: CDM Qty: 2 Glenwood King's Personal Residence DrwNo: 188.20.0918.05143 Truss Label: D01 07/06/2020 / YK 6'6"4 12'6" 18'5"12 5'11"12 5'11"12 6'6"4 ≡4X4 D =3X4 =3X4 =2.5X6(A1) 8'6"3 7'11"11 8'6"3 8'6"3 16'5"13 Loading Criteria (psf) Defl/CSI Criteria PP Deflection in loc L/defl L/#

| Louding    | billolle (pol) |
|------------|----------------|
| TCLL:      | 20.00          |
| TCDL:      | 10.00          |
| BCLL:      | 0.00           |
| BCDL:      | 10.00          |
| Des Ld:    | 40.00          |
| NCBCLL:    | 10.00          |
| Soffit:    | 2.00           |
| Load Dura  | ation: 1.25    |
| Spacing: 2 | 24.0 "         |
|            |                |

| Wind Criteria                  |
|--------------------------------|
| Wind Std: ASCE 7-10            |
| Speed: 130 mph                 |
| Enclosure: Closed              |
| Risk Category: II              |
| EXP: C Kzt: NA                 |
| Mean Height: 15.00 ft          |
| TCDL: 5.0 psf                  |
| BCDL: 5.0 psf                  |
| MWFRS Parallel Dist: 0 to h/2  |
| C&C Dist a: 3.00 ft            |
| Loc. from endwall: not in 4.50 |
| GCpi: 0.18                     |
| Wind Duration: 1.60            |

| Snow C   | riteria (Pg | Pf in PSF |
|----------|-------------|-----------|
| Pg: NA   | Ct: NA      | CAT: N    |
| Pf: NA   |             | Ce: NA    |
| Lu: NA   | Cs: NA      |           |
| Snow Du  | ration: N   | Α         |
| Building | Code:       | 11        |
| FBC 201  | 7 RES       |           |
| TPI Std: | 2014        |           |

Rep Fac: Yes

WAVE

FT/RT:20(0)/10(0) Plate Type(s):

## VERT(LL): 0.076 H 999 240 VERT(CL): 0.145 H 999 180 HORZ(LL): 0.029 H HORZ(TL): 0.056 H Creep Factor: 2.0 Max TC CSI: 0.369 Max BC CSI: 0.808 Max Web CSI: 0.233 VIEW Ver: 19.02.02B.0122.15

| ▲ M |        |           | ctions    |              | 1.5      | 126    |
|-----|--------|-----------|-----------|--------------|----------|--------|
|     | G      | ravity    |           | Non-Gravity  |          |        |
| Loc | R+     | / R-      | / Rh      | / Rw         | / U      | /RL    |
| В   | 1222   | 1-        | /-        | /707         | /210     | /209   |
| F   | 1222   | 1-        | 1-        | 7707         | /210     | 1-     |
| Win | d read | ctions b  | ased or   | <b>MWFRS</b> |          |        |
| В   | Brg V  | Vidth =   | 4.0       | Min Re       | eq = 1.5 | 5      |
| F   | Brg V  | Vidth =   | 4.0       | Min Re       | eq = 1.8 | 5      |
| Bea | rings  | B&Fa      | re a rigi | d surface.   |          |        |
| Mer | mbers  | not liste | ed have   | forces les   | s than   | 375#   |
| Max | cimun  | Top C     | hord F    | orces Per    | Ply (lb  | s)     |
| Cho | ords 1 | ens.Co    | mp.       | Chords       | Tens.    | Comp.  |
| B - | С      | 373 -     | 1860      | D-E          | 387      | - 1661 |
| C-  | D      | 387 -     | 1660      | E-F          | 372      | -1861  |

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

#### Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 6-7-3.



|       | Tens.C |       | Chords |      |       |
|-------|--------|-------|--------|------|-------|
| B - J | 1589   | - 202 | 1- H   | 1083 | -89   |
| J - I | 1083   | -89   | H-F    | 1589 | - 240 |

### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs  | Tens. | Comp. |  |
|------|------------|-------|-------|-------|--|
| I-D  | 611 - 127  | D - H | 612   | - 127 |  |



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SEQN: 352420 GARI Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T17 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0918.08210 Truss Label: D02 / YK 07/06/2020 6'0"13 15'8"9 18'11"3 (TYP) =4X12(B3) =3X4 =4X =4X12(B3) **Wind Criteria** Loading Criteria (psf) Snow Criteria (Pg,Pf in PSF) **Defl/CSI Criteria** ▲ Maximum Reactions (lbs) TCI I: 20.00 Wind Std: ASCE 7-10 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gravity Pg: NA Speed: 130 mph /Rw /U /RL / R-10.00 TCDL: Pf: NA Ce: NA VERT(LL): 0.146 L 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.303 L 977 180 В 2298 /403 Risk Category: II 10.00 BCDL: Snow Duration: NA HORZ(LL): 0.037 T 2327 /-/403 EXP: C Kzt: NA Des Ld: 40.00 HORZ(TL): 0.077 T Wind reactions based on MWFRS Mean Height: 15.00 ft Brg Width = 4.0 Min Req = 1.6 **Building Code: NCBCLL: 10.00** Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = 4.0 **FBC 2017 RES** Max TC CSI: 0.455 Min Req = 1.6 Soffit: 2 00 BCDL: 5.0 psf Bearings B & R are a rigid surface. TPI Std: 2014 Max BC CSI: 0.353 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Varies by Ld Case Max Web CSI: 0.544 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: Any Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 B-C Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 672 - 4101 199 - 1334 C - D 746 - 4903 L - 0 360 -2443 **Purlins** Lumber D-E 450 - 2844 0 - P 450 -2896 Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Laterally brace TC below filler at 24" oc. E-H 359 - 2402 P-Q 746 -4955 199 - 1334 Q-R 672 H - J-4151 Webs: 2x4 SP #3; Wind Filler: 2x4 SP #2: Wind loads and reactions based on MWFRS. Maximum Bot Chord Forces Per Ply (lbs) Uplifts based on an elevation at or above 1000 ft. Special Loads Chords Tens.Comp. Chords Tens. Comp. ---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) C: From 62 plf at -2.00 to 62 plf at 3.00 **Additional Notes** B-Z 3658 - 594 W-V 4450 -650 62 plf at 31 plf at 62 plf at 31 plf at TC: From See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements. Z - Y Y - X 3661 -595 V-U 5097 -766 TC: From 3.00 to 22.00 5043 -767 U-T 3703 -595 TC: From 62 plf at 22.00 to 62 plf at **X-W** 4411 -649 T-R 3700 -594 BC: From 4 plf at -2.00 to 4 plf at 0.00 BC: From 0.00 to 3.03 21.35 21.97 22 plf at 11 plf at 22 plf at BC: 11 plf at 3.03 to From Maximum Web Forces Per Ply (lbs) 10 plf at BC: 10 plf at 21.35 to From Webs Tens.Comp. Webs Tens. Comp. 20 plf at BC: 21.97 to 20 plf at From rom 4 plf at 25.00 to 4 plf at 2 82 lb Conc. Load at 3.03,21.97 49 lb Conc. Load at 5.06, 7.06, 9.06,11.06 BC: From 27.00 C-Y 1417 168 - 173 W-L -1143TC 361 - 2492 AD-AE D-AA 337 -2334Y-F 75 - 522 AE-AF -2389 345 12.50,13.94,15.94,17.94,19.94 E-X 120 -624 V-O 119 -638 BC: 108 lb Conc. Load at 3.03,21.97 BC: 45 lb Conc. Load at 5.06, 7.06, 9.06,11.06 12.50,13.94,15.94,17.94,19.94 AF-AG AA-AB 349 - 2408 349 -2411 AB-AC 345 - 2388 AG-P 361 -2496 H-W 168 - 1100 - 531 76 **Plating Notes** AC-AD 337 - 2333 1428 - 173 1197 - 159 All plates are 2X4 except as noted. Loading Maximum Gable Forces Per Ply (lbs) Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise. Gables Tens.Comp. AD-J 1504 - 205 FL REG# 278, Yoonhwak Kim, FL PE #86367

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SEQN: 352345 FROM: CDM Page 1 of 2

FLAT Ply: 1 Qty: 1 Job Number: 20-4374

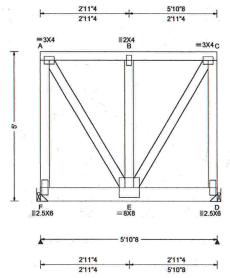
Glenwood King's Personal Residence

Truss Label: FT1

Cust: R 215 JRef: 1WWQ2150002 T18 DrwNo: 188.20.0918.13433

07/06/2020

/ YK



Loading Criteria (psf) TCLL: 20.00 10.00 TCDL: BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "

**Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph **Enclosure: Closed** Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct; NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)

Plate Type(s):

WAVE

**Defl/CSI Criteria** PP Deflection in loc L/defl L/# VERT(LL): 0.008 B 999 240 VERT(CL): 0.015 B HORZ(LL): 0.001 A HORZ(TL): 0.002 A Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.151 Max Web CSI: 0.275 VIEW Ver: 19.02.02B.0122.15

| ▲ M | axim  | um Rea    | ctions  | (lbs)        |          |       |
|-----|-------|-----------|---------|--------------|----------|-------|
|     | (     | Gravity   |         | N            | on-Gra   | vity  |
| Loc | R+    | / R-      | /Rh     | / Rw         | / U      | /RL   |
| F   | 818   | 1-        | 1-      | 1-           | /97      | /-    |
| D   | 818   | 1-        | 1-      | 1-           | 197      | /-    |
| Win | d rea | ctions b  | ased or | <b>MWFRS</b> |          |       |
| F   | Brg \ | Nidth =   | -       | Min Re       | q = -    |       |
| D   | Brg \ | Nidth =   | - 1     | Min Re       | q = -    |       |
| Mer | nbers | not liste | ed have | forces les   | s than : | 375#  |
| Max | cimur | n Top C   | hord F  | orces Per    | Ply (lb  | s)    |
| Cho | ords  | Tens.Co   | mp.     | Chords       | Tens.    | Comp. |
| A - | В     | 44        | - 387   | B-C          | 44       | - 387 |
|     |       |           |         |              |          |       |

Webs

E-C

C - D

Tens. Comp.

-83

-648

722

85

Maximum Web Forces Per Ply (lbs)

-83

Tens.Comp.

722

85 -648

Webs

A-F

A-F

#### Lumber

Top chord: 2x4 SP #2 Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3:

#### Special Loads

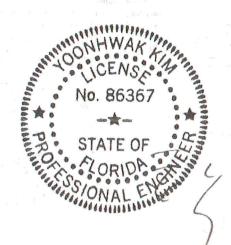
-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to 0.00 to 30 plf at TC: From 30 plf at BC: From 10 plf at 0.00 to 1 BC: 701 lb Conc. Load at 1.94, 3.94 10 plf at

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 5-0-0.



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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 352345 FROM: CDM Page 2 of 2

FLAT

Ply: Qty: 1

Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: FT1

Cust: R 215 JRef: 1WWQ2150002 T18 DrwNo: 188.20.0918.13433 / YK 07/06/2020

#### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

Bearing at location x=0'

uses the following

Bearing at location x=0 dises the following support conditions: 0'
Bearing F (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.

(J) Hanger Support Required, by others



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 352342 FROM: CDM

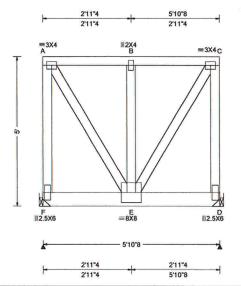
FLAT Ply: 1 Qty: 1 Job Number: 20-4374

Glenwood King's Personal Residence

Truss Label: FT2

Cust: R 215 JRef: 1WWQ2150002 T20 DrwNo: 188.20.0918.16230

/ YK 07/06/2020



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 **NCBCLL: 10.00** Soffit 2.00 Load Duration: 1.25 Spacing: 24.0 '

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):

WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.009 B 999 240 VERT(CL): 0.018 B 999 180 HORZ(LL): 0.001 A HORZ(TL): 0.002 A Creep Factor: 2.0 Max TC CSI: 0.068 Max BC CSI: 0.179 Max Web CSI: 0.323 VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs) Gravity Non-Gravity /Rw /U / R-F 956 1-1-/128 1-D 956 1-1-/128 1-Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = -Min Reg = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 60 -455 B-C A-B 60 -455

Webs

E-C

C - D

Tens. Comp.

-111

- 755

848

109

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

109 - 755

848 - 111

Webs

A-F

A-E

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

# Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 30 plf at 10 plf at TC: From 10 plf at 0.00 to BC: 838 lb Conc. Load at 1.94, 3.94

### Hangers / Ties

(J) Hanger Support Required, by others

#### **Purlins**

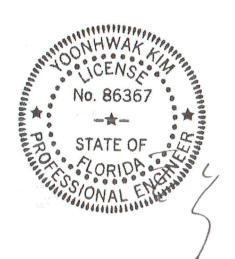
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

#### Wind

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 5-0-0.



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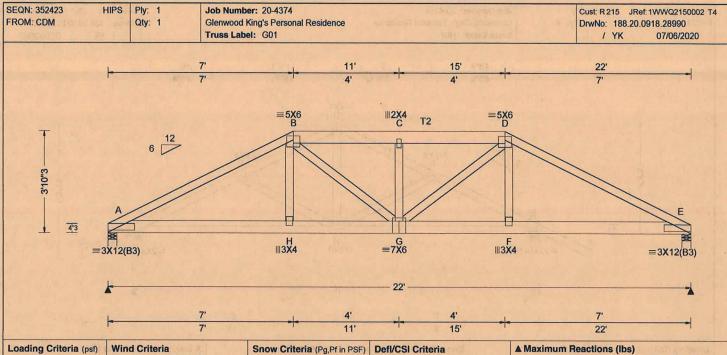
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| Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60 | Snow Criteria (Pg,Pfin PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.099 C 999 240 VERT(CL): 0.200 C 999 180 HORZ(LL): 0.026 F HORZ(TL): 0.052 F Creep Factor: 2.0 Max TC CSI: 0.810 Max BC CSI: 0.268 |
|--|--|---|---|
|--|--|---|---|

| ▲ M   |       | um Rea    | ctions    | The second second | on-Gra   | vitv  |
|-------|-------|-----------|-----------|-------------------|----------|-------|
| Loc   |       | / R-      | / Rh      |                   | / U      |       |
| A     | 1882  | 1-        | 1-        | 1-                | /405     | 1     |
| E     | 1882  | 1-        | 1-        | 1-00              | /405     | 1-    |
|       | d rea | ctions b  | ased or   | MWFRS             |          |       |
| A     | Brg \ | Nidth =   | 4.0       | Min Re            | eq = 1.6 | 3     |
| E     |       | Width =   |           |                   | eq = 1.6 |       |
| Bea   | rings | A&Ea      | re a rigi | id surface.       |          |       |
| Mer   | nbers | not liste | ed have   | forces les        | s than 3 | 375#  |
| Max   | cimur | n Top C   | hord F    | orces Per         | Ply (lb  | s)    |
| Cho   | rds   | Tens.Co   | mp.       | Chords            | Tens.    | Comp. |
| A - I | В     | 833 -     | 3704      | C-D               | 819      | -3707 |
| B -   |       | 819 -     |           | D-E               | 833      |       |

Maximum Bot Chord Forces Per Ply (lbs)

-715

-47

-478

Chords

G-F

F-E

Webs

G-D

D-F

Tens. Comp.

Tens. Comp.

-715

-717

-135

-47

3222

3246

636

575

Chords Tens.Comp.

3246 -717

3222

Tens.Comp.

575

636 - 135

179

A-H

H-G

#### Lumber

Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

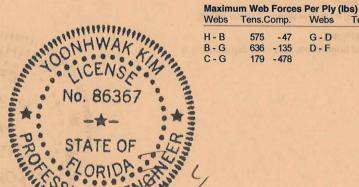
### Special Loads

| (Lumber    | Dur.Fac.=1. | 25 / Plate I | Dur.Fac.=1.2 | 25)   |
|------------|-------------|--------------|--------------|-------|
| TC: From   | 62 plf at   | 0.00 to      |              | 7.00  |
| TC: From   | 31 plf at   | 7.00 to      | 31 plf at    | 15.00 |
| TC: From   | 62 plf at   | 15.00 to     | 62 plf at    | 22.00 |
| BC: From   | 20 plf at   | 0.00 to      | 20 plf at    | 7.03  |
| BC: From   | 10 plf at   | 7.03 to      | 10 plf at    | 14.97 |
| BC: From   | 20 plf at   | 14.97 to     | 20 plf at    | 22.00 |
| TC: 257 lb | Conc. Load  | at 7.03,14   | .97          |       |
| TC: 182 lb | Conc. Load  | at 9.06,11   | .00,12.94    |       |
| BC: 419 lb | Conc. Load  | at 7.03,14   | 1.97         |       |
| BC: 127 lb | Conc. Load  | at 9.06,11   | 1.00,12.94   |       |

Wind loads and reactions based on MWFRS Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is



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SEQN: 352210 COMN Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T14 FROM: CDM Glenwood King's Personal Residence Qtv: 4 DrwNo: 188.20.0918.31540 Truss Label: H01 / YK 07/06/2020 4'3"4 8 11'8"12 16' 4'3"4 3'8"12 3'8"12 4'3"4 =4X4 D 4-3 ≡3X8 =2X4(A1) 8' 16 Loading Criteria (psf) **Wind Criteria** Defl/CSI Criteria ▲ Maximum Reactions (lbs) Snow Criteria (Pg,Pf in PSF) Non-Gravity TCLL: 20.00 Wind Std: ASCE 7-10 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Speed: 130 mph Loc R+ / R-/ Rw /U /RL TCDL: 10.00 VERT(LL): 0.025 H 999 240 Pf: NA Ce: NA Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.050 H 999 180 B 793 /146 /152 1496 Risk Category: II 10.00 Snow Duration: NA HORZ(LL): 0.011 H BCDL: 793 1-1-1496 /146 1-EXP: C Kzt: NA 40.00 HORZ(TL): 0.021 H Wind reactions based on MWFRS Des I d Mean Height: 15.00 ft **Building Code:** Brg Width = 4.0 Min Req = 1.5 Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 **FBC 2017 RES** Max TC CSI: 0.422 Soffit: 2.00 BCDL: 5.0 psf Bearings B & F are a rigid surface. TPI Std: 2014 Max BC CSI: 0.617 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375#

### Lumber

Spacing: 24.0

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: Any

GCpi: 0.18

Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 4-4-3.

Max Web CSI: 0.169

VIEW Ver: 19.02.02B.0122.15

C-D 395 - 755 E-F 476 Maximum Bot Chord Forces Per Ply (lbs)

477 - 992

Maximum Top Chord Forces Per Ply (lbs)

Chords

D-E

Tens. Comp.

-755

-992

395

Chords Tens.Comp. Chords Tens. Comp. B-H 837 - 295 H-F 837 -316

Maximum Web Forces Per Ply (lbs)

Tens.Comp. 445 - 130

Chords Tens.Comp.

B-C

FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

Rep Fac: Yes

Plate Type(s):

WAVE

FT/RT:20(0)/10(0)

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SEQN: 352218 COMN Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T15 FROM: CDM Qty: 6 Glenwood King's Personal Residence DrwNo: 188.20.0918.32970 Truss Label: H02 / YK 07/06/2020 4'3"4 8 11'8"12 16 4'3"4 3'8"12 3'8"12 4'3"4 ≥2X4 B 4<sup>L</sup>3 =3X8 8 8 8 16' Wind Criteria Loading Criteria (psf) **Defl/CSI Criteria** Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (lbs) TCLL: 20.00 Wind Std: ASCE 7-10 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity **Non-Gravity** Speed: 130 mph R+ / R-/Rw / U / RL 10.00 TCDL: Pf: NA Ce: NA VERT(LL): 0.025 G 999 240 Enclosure: Closed VERT(CL): 0.050 G BCLL: 0.00 Lu: NA Cs: NA 999 180 649 /379 /108 /133 Risk Category: II 10.00 BCDL: Snow Duration: NA HORZ(LL): 0.011 G 802 /496 /149 EXP: C Kzt: NA Des Ld: 40.00 HORZ(TL): 0.021 G Wind reactions based on MWFRS Mean Height: 15.00 ft Brg Width = 4.0 Min Req = 1.5 **Building Code:** Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 **FBC 2017 RES** Max TC CSI: 0.347 Soffit: 2.00 BCDL: 5.0 psf Bearings A & E are a rigid surface. TPI Std: 2014 Max BC CSI: 0.635 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Rep Fac: Yes Spacing: 24.0 "

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind loads based on MWFRS with additional C&C member design.

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: not in 9.00 ft

GCpi: 0.18

Uplifts based on an elevation at or above 1000 ft.

The overall height of this truss excluding overhang is 4-4-3.

Max Web CSI: 0.174

VIEW Ver: 19.02.02B.0122.15

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

A-B 299 - 1043 C-D 226 B-C 243 - 782 D-E 277 - 1016

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

G-E

857

-172

Maximum Web Forces Per Ply (lbs)

895 - 181

Tens.Comp. Webs

A-G

C-G 457 - 100



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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FT/RT:20(0)/10(0)

Plate Type(s):

WAVE



COMN Ply: 2 SEQN: 352476 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T6 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0918.42220 Truss Label: H03 / YK 07/06/2020 2 Complete Trusses Required 4'5"4 8 11'6"12 16' 4'5"4 3'6"12 3'6"12 4'5"4 =4X4 6 12 43 H ∥2X4 112X4 =3X4(A1) =4X8 =3X4(A1) 4'5"4 3'6"12 3'6"12 4'5"4 4'5"4 11'6"12 16

| TCLL:     | 20.00       |
|-----------|-------------|
| TCDL:     | 10.00       |
| BCLL:     | 0.00        |
| BCDL:     | 10.00       |
| Des Ld:   | 40.00       |
| NCBCLL:   | 10.00       |
| Soffit:   | 2.00        |
| Load Dura | ation: 1.25 |
| Spacing:  | 24.0 "      |
|           |             |

Loading Criteria (psf)

#### Wind Std: ASCE 7-10 Speed: 130 mph **Enclosure: Closed** Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc, from endwall; not in 9,00 ft GCpi: 0.18

Wind Duration: 1.60

**Wind Criteria** 

#### Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RFS** TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)

Plate Type(s):

WAVE

### Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.033 I 999 240 VERT(CL): 0.066 I 999 180 HORZ(LL): 0.007 C HORZ(TL): 0.015 C Creep Factor: 2.0 Max TC CSI: 0.218 Max BC CSI: 0.100 Max Web CSI: 0.397

VIEW Ver: 19.02.02B.0122.15

| A M | axim  | um Rea    | ctions    | (lbs)        |          |        |
|-----|-------|-----------|-----------|--------------|----------|--------|
|     | . (   | Gravity   |           | N            | on-Grav  | vity   |
| Loc | R+    | / R-      | / Rh      | / Rw         | / U      | / RL   |
| В   | 1651  | 1-        | 1-        | /-           | /360     | 1-     |
| F   | 1651  | 1-        | 1-        | /-           | /360     | /-     |
| Win | d rea | ctions b  | ased on   | <b>MWFRS</b> |          |        |
| В   | Brg \ | Nidth =   | 4.0       | Min Re       | q = 1.5  | 5      |
| F   | Brg \ | Nidth =   | 4.0       | Min Re       | q = 1.5  | 5      |
| Bea | rings | B&Fa      | re a rigi | d surface.   |          |        |
| Mer | nbers | not liste | ed have   | forces les   | s than 3 | 375#   |
| Max | dmun  | n Top C   | hord F    | orces Per    | Ply (lb  | s)     |
| Cho | rds ' | Tens.Co   | mp.       | Chords       | Tens.    | Comp   |
| В-  | С     | 296 -     | 1426      | D-E          | 283      | - 1318 |
| C-  | D     | 283 -     | 1318      | E-F          | 296      | - 1426 |

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

### Special Loads

| (Lumber     | Dur.Fac.=1 | .25 / Plate I | Dur.Fac.=1.2 | 25)   |
|-------------|------------|---------------|--------------|-------|
| TC: From    | 62 plf at  | -2.00 to      | 62 plf at    | 18.00 |
| BC: From    | 4 plf at   | -2.00 to      | 4 plf at     | 0.00  |
| BC: From    | 20 plf at  | 0.00 to       | 20 plf at    | 16.00 |
| BC: From    | 4 plf at   | 16.00 to      | 4 plf at     | 18.00 |
| BC: 1718 lb | Conc. Load | at 8.00       |              |       |

#### Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 4-4-3

## Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. |       | ens.Comp. Chords |      | Tens. Comp. |  |  |
|--------|------------|-------|------------------|------|-------------|--|--|
| 3 - J  | 1251       | - 255 | 1-H              | 1251 | - 256       |  |  |
| J - I  | 1251       | - 256 | H-F              | 1251 | - 255       |  |  |

#### Maximum Web Forces Per Ply (lbs) Webs Tens Comp

| ****** | Tono.oomp. |      |  |  |
|--------|------------|------|--|--|
| D - I  | 1043       | -202 |  |  |



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



| Loading Criteria (psf) | Wind Criteria                          | Snow Criteria (Pg,Pf in PSF)  | Defl/CSI Criteria               |
|------------------------|--|---|---------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7-10                    | Pg: NA Ct: NA CAT: NA   | PP Deflection in loc L/defl L/# |
| TCDL: 10.00            | Speed: 130 mph                         | Pf: NA Ce: NA   | VERT(LL): 0.107 E 999 240       |
| BCLL: 0.00             | Enclosure: Closed                      | Lu: NA Cs: NA   | VERT(CL): 0.211 E 894 180       |
| BCDL: 10.00            | Risk Category: II                      | Snow Duration: NA   | HORZ(LL): 0.014 C               |
| Des Ld: 40.00          | EXP: C Kzt: NA                         | THE RESERVE AND ADDRESS OF THE PARTY OF THE | HORZ(TL): 0.029 C               |
| NCBCLL: 10.00          | Mean Height: 15.00 ft<br>TCDL: 5.0 psf | Building Code:  | Creep Factor: 2.0               |
| Soffit: 2.00           | BCDL: 5.0 psf                          | FBC 2017 RES  | Max TC CSI: 0.717               |
| Load Duration: 1.25    | MWFRS Parallel Dist: 0 to h/2          | TPI Std: 2014   | Max BC CSI: 0.199               |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft                    | Rep Fac: Varies by Ld Case  | Max Web CSI: 0.217              |
|                        | Loc. from endwall: Any                 | FT/RT:20(0)/10(0)   | 1000 CO 100 0 PRI -0 1 CO. 6    |
|                        | GCpi: 0.18                             | Plate Type(s):  | John Tunes                      |
|                        | Wind Duration: 1.60                    | WAVE  | VIEW Ver: 19.02.02B.0122.15     |
| 1 constants            |  | 1077  |                                 |

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; Filler: 2x4 SP #2;

### **Special Loads**

| (Lumber    | Dur.Fac.=1. | 25 / Plate [ | Dur.Fac.=1.2  | 25)   |
|------------|-------------|--------------|---------------|-------|
| TC: From   | 62 plf at   | -2.00 to     | 62 plf at     | 3.00  |
| TC: From   | 31 plf at   | 3.00 to      | 31 plf at     | 13.00 |
| TC: From   | 62 plf at   | 13.00 to     | 62 plf at     | 18.00 |
| BC: From   | 4 plf at    | -2.00 to     | 4 plf at      | 0.00  |
| BC: From   | 22 plf at   | 0.00 to      | 22 plf at     | 3.03  |
| BC: From   | 11 plf at   | 3.03 to      | 11 plf at     | 12.35 |
| BC: From   | 10 plf at   | 12.35 to     | 10 plf at     | 12.97 |
| BC: From   | 20 plf at   | 12.97 to     | 20 plf at     | 16.00 |
| BC: From   | 4 plf at    | 16.00 to     | 4 plf at      | 18.00 |
| TC: 82 lb  | Conc. Load  | at 3.03,12   | .97           |       |
| TC: 49 lb  | Conc. Load  | at 5.06, 7.  | 06, 8.94, 10. | 94    |
| BC: 108 lb | Conc. Load  | at 3.03,12   | 2.97          |       |
| BC: 45 lb  | Conc. Load  | at 5.06, 7.  | 06, 8.94, 10  | 94    |
|            |             |              |               |       |

#### **Plating Notes**

All plates are 2X4 except as noted.

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

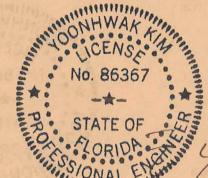
Laterally brace TC below filler at 24" oc.

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is



▲ Maximum Reactions (lbs)

| 2148  | G      | ravity   | 27-17      | No          | on-Grav  | vity   |
|-------|--------|----------|------------|-------------|----------|--------|
| Loc   | R+     | / R-     | / Rh       | / Rw        | / U      | / RL   |
| В     | 1473   | 1-       | I-         | 1- 40       | /297     | 1-     |
| J     | 1470   | 1-       | 1-         | 1-          | /297     | 1-     |
| Win   | d read | ctions b | ased on    | MWFRS       |          |        |
| В     | Brg V  | Vidth =  | 4.0        | Min Re      | q = 1.5  | Saam 1 |
| J     |        |          | 4.0        |             |          |        |
| Bea   | rings  | B&Ja     | re a rigio | surface.    |          |        |
| Men   | nbers  | not list | ed have    | forces less | s than 3 | 375#   |
| Max   | imun   | Top C    | hord Fo    | rces Per    | Ply (lb  | s)     |
| Cho   | rds 7  | ens.Co   | omp.       | Chords      | Tens.    | Comp.  |
| B - 0 | 2      | 449 -    | 2367       | F-H         | 347      | - 1983 |
| C-1   | D      | 455 -    | 2656       | H-I         | 455      | - 2656 |
| D - I | F      | 347 -    | 1983       | 1-J         | 449      | - 2364 |

Maximum Bot Chord Forces Per Ply (lbs)

| Tens.C | omp.  | Chords                   | Comp.            |                    |
|--------|-------|--------------------------|------------------|--------------------|
| 2097   | - 392 | M-L                      | 2104             | - 392              |
| 2108   | -392  | L-J                      | 2095             | - 392              |
|        | 2097  | 2097 - 392<br>2108 - 392 | 2097 - 392 M - L | 2097 -392 M-L 2104 |

Maximum Web Forces Per Ply (lbs)

| vvens | Tens.C | omp. | vvebs | rens. | rens. Comp. |  |
|-------|--------|------|-------|-------|-------------|--|
| C-M   | 565    | -64  | M - I | 569   | -64         |  |
| D-0   | 136    | -846 | P-Q   | 119   | -745        |  |
| 0 - P | 119    | -745 | Q-H   | 136   | - 846       |  |

FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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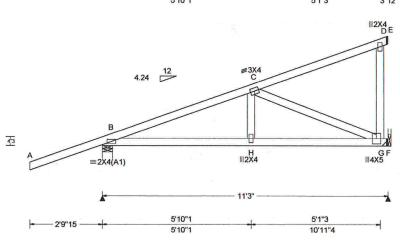
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6750 Forum Drive Suite 305 Orlando FL, 32821

HIP\_ SEQN: 352462 Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T43 FROM: CDM Qty: 2 Glenwood King's Personal Residence DrwNo: 188.20.0918.55780 Page 1 of 2 Truss Label: HJ1 YK 07/06/2020 1 5'10"1 10'11"4 5'10"1 5'1"3 <sup>|||2X4</sup> DE



|                            | 2'9"15                                | 3101                                   | 1 313  | 1             |
|----------------------------|---------------------------------------|--|--|---------------|
|                            | - 25 15 -                             | 5'10"1                                 | 10'11"4  | ł.            |
|                            |                                       |  |  | 3"12<br>11'3" |
| Loading Criteria (psf)     | Wind Criteria                         | Snow Criteria (Pg,Pf in PSF)           | Defl/CSI Criteria  | A N           |
| TCLL: 20.00<br>TCDL: 10.00 | Wind Std: ASCE 7-10<br>Speed: 130 mph | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.032 H 999 240 | Loc           |

Lir NA Cs: NA

Risk Category: II Snow Duration: NA EXP: C Kzt: NA Mean Height: 15.00 ft **Building Code:** TCDL: 5.0 psf **FBC 2017 RES** BCDL: 5.0 psf TPI Std: 2014 MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft

Rep Fac: Varies by Ld Case Loc. from endwall: not in 4.50 ft FT/RT:20(0)/10(0) Plate Type(s): WAVE

VERT(CL): 0.061 H 999 180 HORZ(LL): 0.007 G HORZ(TL): 0.013 G Creep Factor: 2.0 Max TC CSI: 0.926 Max BC CSI: 0.458 Max Web CSI: 0.574

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

Gravity Non-Gravity Loc R+ /Rw /U / RL /R-В 433 /306 /-859 1-1-/198 1-Wind reactions based on MWFRS

Brg Width = 4.9 Min Req = 1.5 Brg Width = -Min Reg = -Bearing B is a rigid surface

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

360 - 983

#### Lumber

BCII:

BCDL:

Soffit:

Des Ld:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

0.00

10.00

40.00

2.00

#### **Special Loads**

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) -2.89 to TC: From -0 plf at 61 plf at 2 plf at -0.06 2 plf at -0.06 to TC: From 11.25 BC: From 0 plf at -2.89 to 4 plf at -0.06 BC: From 2 plf at -0.06 to 2 plf at -88 lb Conc. Load at 1.32 97 lb Conc. Load at 4.14 239 lb Conc. Load at 6.97 363 lb Conc. Load at 9.80 90 lb Conc. Load at 4.14 BC: 173 lb Conc. Load at 6.97 253 lb Conc. Load at 9.80

Enclosure: Closed

GCpi: 0.18

Wind Duration: 1.60

#### Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

#### **Additional Notes**

The overall height of this truss excluding overhang is 4-3-14.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-H 946 - 282 H-G 932

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-G 299 - 982



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEQN: 352462 FROM: CDM Page 2 of 2

Ply: Qty: 2

Job Number: 20-4374

Glenwood King's Personal Residence Truss Label: HJ1

Cust: R215 JRef: 1WWQ2150002 T43 DrwNo: 188.20.0918.55780 YK 07/06/2020

#### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

HIP\_

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

Bearing at location x=11'0"12 uses the following support conditions: 11'0"12
Bearing G (11'0"12, 9') THJA26
Supporting Member: (2)2x6 SP 2400f-2.0E (20) 0.162"x3.5" nails into supporting member, (12) 0.148"x1.5" nails into supported member.



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Suite 305 Orlando FL, 32821 SEQN: 352255 HIP\_ Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T37 FROM: CDM Qty: 4 Glenwood King's Personal Residence DrwNo: 188.20.0919.02173 Truss Label: HJ2 / YK 07/06/2020 5'3"5 9'10"1 5'3"5 4'6"11 D ≢3X4 C 3'9"14 4"3 FE ≡4X4 G |||2X4  $\equiv 2X4(A1)$ 5'3"5 4'3"11 2'9"15 5'3"5 9'7"1 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non-Gravity Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ / Rh /Rw /U /RI Speed: 130 mph Pf: NA /R-Ce: NA VERT(LL): 0.021 G 999 240 **Enclosure: Closed** Lu: NA Cs: NA VERT(CL): 0.039 G 999 180 B 389 /340 1-Risk Category: II Snow Duration: NA HORZ(LL): -0.008 G 292 1-1-196 E 1-EXP: C Kzt: NA HORZ(TL): 0.009 F D 75 1-1-/12 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = 4.9 **FBC 2017 RES** Min Req = 1.5Max TC CSI: 0.552 BCDL: 5.0 psf Brg Width = 1.5 Min Req = -TPI Std: 2014 Max BC CSI: 0.611 MWFRS Parallel Dist: 0 to h/2 Min Req = -Brg Width = 1.5 Rep Fac: Varies by Ld Case

| ١ | Loading             | Criteria (psi |  |  |  |  |
|---|---------------------|---------------|--|--|--|--|
| ı | TCLL:               | 20.00         |  |  |  |  |
| ١ | TCDL:               | 10.00         |  |  |  |  |
|   | BCLL:               | 0.00          |  |  |  |  |
| ١ | BCDL:               | 10.00         |  |  |  |  |
|   | Des Ld:             | 40.00         |  |  |  |  |
| ı | NCBCLL:             | 10.00         |  |  |  |  |
| l | Soffit:             | 2.00          |  |  |  |  |
|   | Load Duration: 1.25 |               |  |  |  |  |
| l | Spacing:            | 24.0 "        |  |  |  |  |
| ı |                     |               |  |  |  |  |

C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

FT/RT:20(0)/10(0) Plate Type(s):

WAVE

Max Web CSI: 0.274

VIEW Ver: 19.02.02B.0122.15

Bearing B is a rigid surface.

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

B-C 323 - 570

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

#### Special Loads

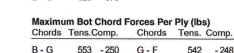
-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) -0 plf at TC: From -2.83 to 61 plf at 0.00 2 plf at 0 plf at 0.00 to 2 plf at TC: From 9.84 4 plf at BC: From 0.00 to BC: From 2 plf at 2 plf at -88 lb Conc. Load at 1.38 TC:

97 lb Conc. Load at 4.21 239 lb Conc. Load at 7.03 TC: -11 lb Conc. Load at 1.38 90 lb Conc. Load at 4.21 173 lb Conc. Load at 7.03

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

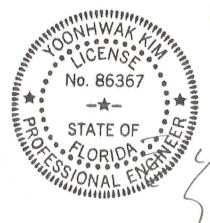
#### Additional Notes

The overall height of this truss excluding overhang is 3-9-14.



### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 273 - 597



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEQN: 352253 HIP\_ Ply: 1 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T33 FROM: CDM Glenwood King's Personal Residence Qty: 2 DrwNo: 188.20.0919.03687 Truss Label: HJ3 07/06/2020 / YK 4'6"14 8'5"1 4'6"14 3'10"4 D 4"3 =2X4(A1) 8'2"1 - 2'9"15 8'2"1 vity / RL

| Wind Criteria                     |
|-----------------------------------|
| Wind Std: ASCE 7-10               |
| Speed: 130 mph                    |
| Enclosure: Closed                 |
| Risk Category: II                 |
| EXP: C Kzt: NA                    |
| Mean Height: 15.00 ft             |
| TCDL: 5.0 psf                     |
| BCDL: 5.0 psf                     |
| MWFRS Parallel Dist: 0 to h/2     |
| C&C Dist a: 3.00 ft               |
| Loc. from endwall: not in 4.50 ft |
| GCpi: 0.18                        |
| Wind Duration: 1.60               |
|                                   |

| Snow Criteria (Pg,Pf in PSF) | Defl/CSI C |
|------------------------------|------------|
| Pg: NA Ct: NA CAT: NA        | PP Deflect |
| Pf: NA Ce: NA                | VERT(LL):  |
| Lu: NA Cs: NA                | VERT(CL):  |
| Snow Duration: NA            | HORZ(LL):  |
| CONTRACTOR CONTRACTOR        | HORZ(TL)   |
| Building Code:               | Creep Fac  |
| FBC 2017 RES                 | Max TC CS  |
| TPI Std: 2014                | Max BC CS  |
| Rep Fac: Varies by Ld Case   | Max Web 0  |
| FT/RT:20(0)/10(0)            |            |
| Plate Type(s):               |            |
| WAVE                         | VIEW Ver   |

| /CSI Criteria                   |      |     | ▲ Maximum Reactions (lbs)     |         |          |             |            |         |      |
|---------------------------------|------|-----|-------------------------------|---------|----------|-------------|------------|---------|------|
| Deflection in loc L/defl L/#    |      |     | Gravity                       |         |          | Non-Gravity |            |         |      |
| RT(LL): -0.024 F                | 999  | 240 | Loc                           | R+      | / R-     | / Rh        | / Rw       | / U     | /RI  |
| RT(CL): 0.038 F                 | 999  | 180 | В                             | 348     | 1-       | 1-          | 1-         | /321    | 1-   |
| RZ(LL): -0.010 F                | -    |     | E                             | 284     | 1-       | 1-          | 1-00.0     | /94     | 1-   |
| RZ(TL): 0.015 F                 | -    |     | D                             | 139     | 1-       | 1-          | 1-         | /36     | 1-   |
| ep Factor: 2.0                  |      |     | Wir                           | nd rea  | ctions b | ased on     | MWFRS      |         |      |
| TC CSI: 0.510                   |      |     | В                             | Brg \   | Nidth =  | 4.9         | Min Re     | q = 1.5 | ,    |
| BC CSI: 0.778<br>Web CSI: 0.109 |      | E   | Brg \                         | Vidth = | 1.5      | Min Re      | q = -      |         |      |
|                                 |      | D   | Brg V                         | Vidth = | 1.5      | Min Re      | q = -      |         |      |
| Web Col. 0.109                  |      |     | Bearing B is a rigid surface. |         |          |             |            |         |      |
|                                 |      |     | Mei                           | nbers   | not list | ed have f   | orces less | than 3  | 375# |
| N Ver: 19.02.02B                | 0122 | 15  | 100                           |         |          |             |            |         |      |

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

#### **Special Loads**

| The second secon |                |              |              |      |
|--|----------------|--------------|--------------|------|
| (Lumbe   | er Dur.Fac.=1. | 25 / Plate [ | Dur.Fac.=1.2 | 5)   |
| TC: From   | 0 plf at       | -2.83 to     | 61 plf at    | 0.00 |
|  | 2 plf at       |              | 2 plf at     | 8.42 |
|  | 0 plf at       |              | 4 plf at     | 0.00 |
| BC: From   | 2 plf at       | 0.00 to      | 2 plf at     | 8.42 |
|  | Conc. Load     |              |              |      |
|  | b Conc. Load   |              |              |      |
|  | b Conc. Load   |              |              |      |
|  | Conc. Load     |              |              |      |
| BC: 90 I   | b Conc. Load   | at 4.21      |              |      |
| BC: 1731   | b Conc. Load   | at 7.03      |              |      |
|  |                |              |              |      |

### Wind

Wind loads and reactions based on MWFRS Uplifts based on an elevation at or above 1000 ft.

The overall height of this truss excluding overhang is 3-3-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367

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6750 Forum Drive Suite 305 Orlando FL, 32821

HIP\_ SEQN: 352256 Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T5 FROM: CDM Qty: 4 Glenwood King's Personal Residence DrwNo: 188.20.0919.05530 Truss Label: HJ4 / YK 07/06/2020 C В 9"7 D  $\equiv$ 2X4(A1) 4'2"3 2'9"15 ---4'2"3 Defl/CSI Criteria ▲ Maximum Reactions (lbs) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Non-Gravity Wind Std: ASCE 7-10 Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# TCLL: 20.00 Loc R+ /Rh /Rw /U /RL Speed: 130 mph / R-10.00 VERT(LL): NA TCDL: Pf: NA Ce: NA Enclosure: Closed Cs: NA 0.00 Lu: NA VERT(CL): NA BCLL: 232 1242 1-Risk Category: II Snow Duration: NA HORZ(LL): -0.007 D BCDL: 10.00 D 63 /-19 1-/32 1-EXP: C Kzt: NA C 33 1-28 1-143 1-HORZ(TL): 0.007 D Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.9 Min Req = 1.5 **FBC 2017 RES** Max TC CSI: 0.257 2.00 Soffit BCDL: 5.0 psf Brg Width = 1.5 Min Req = -TPI Std: 2014 Max BC CSI: 0.207 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Brg Width = 1.5 Min Req = -Rep Fac: Varies by Ld Case Max Web CSI: 0.000 Spacing: 24.0 " C&C Dist a: 3.00 ft Bearing B is a rigid surface. Loc. from endwall: Any FT/RT:20(0)/10(0)

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

### Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at -2.83 to 61 plf at 0.00 2 plf at 0 plf at 2 plf at TC: From 0.00 to -2.83 to 2 plf at 4.18 BC: From 4 plf at BC: From 0.00 to 2 plf at -88 lb Conc. Load at 1.38 BC: -11 lb Conc. Load at 1.38

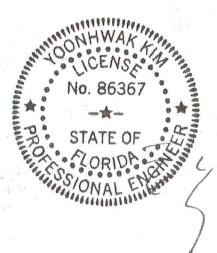
GCpi: 0.18 Wind Duration: 1.60

#### Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

### Additional Notes

The overall height of this truss excluding overhang is 1-9-14.



VIEW Ver: 19.02.02B.0122.15

FL REG# 278, Yoonhwak Kim, FL PE #86367

\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

Plate Type(s):

WAVE

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Members not listed have forces less than 375#

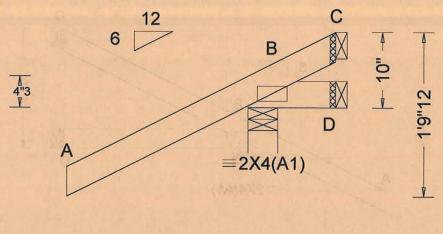
SEON: 352219 FROM: CDM

JACK

Ply: 1 Qty: 24

Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: J01

Cust: R215 JRef: 1WWQ2150002 T56 DrwNo: 188,20,0919,06903 / YK 07/06/2020



| 1 PARTIES | 11"11 |
|-----------|-------|
| 2' —      |       |
| 27111     | 11"11 |

| TCLL:    | 20.00       |
|----------|-------------|
| TCDL:    | 10.00       |
| BCLL:    | 0.00        |
| BCDL:    | 10.00       |
| Des Ld:  | 40.00       |
| NCBCLL   | 10.00       |
| Soffit:  | 2.00        |
| Load Dur | ation: 1.25 |
| Spacing: | 24.0 "      |
|          |             |

Loading Criteria (psf)

**Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc, from endwall: Any GCpi: 0.18 Wind Duration: 1.60

### Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

# **Defl/CSI Criteria**

PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.552 Max BC CSI: 0.070 Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

## ▲ Maximum Reactions (lbs)

| 171 |                | pravity   |                    | N      | on-Gra  | vity |  |
|-----|----------------|-----------|--------------------|--------|---------|------|--|
| Lo  | c R+           | / R-      | /Rh                | / Rw   | /U      | /RL  |  |
| В   | 366            | 1-        | 1-                 | /300   | /116    | 142  |  |
| D   |                | /-40      | 1-                 | 127    | /38     | 1-   |  |
| C   | = ANG          | /-112     | 1-                 | /57    | /107    | 1-   |  |
| Wi  | nd rea         | ctions ba | sed on             | MWFRS  |         |      |  |
| В   | Brg \          | Nidth = 4 | 1.0                | Min Re | q = 1.5 |      |  |
| D   | Brg \          | Nidth = 1 | 1.5                | Min Re | q = -   |      |  |
| C   | Brg \          | Nidth = 1 | 1.5                | Min Re | q = -   |      |  |
|     | TO 10 12 12 12 |           | a Water and a con- |        |         |      |  |

Bearing B is a rigid surface.

Members not listed have forces less than 375#

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 0-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367

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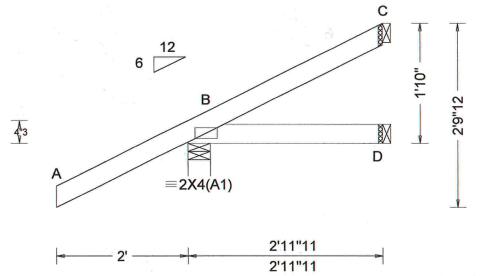
SEON: 352227 FROM: CDM

**JACK** Plv: 1 Qty: 15

Job Number: 20-4374 Glenwood King's Personal Residence

Truss Label: J03

Cust: R 215 JRef: 1WWQ2150002 T55 DrwNo: 188.20.0919.08860 07/06/2020 / YK



TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 **NCBCLL: 10.00** 2.00 Soffit: Load Duration: 1.25 Spacing: 24.0 "

Loading Criteria (psf)

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf

MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Cs: NA Lu: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/#

VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.325 Max BC CSI: 0.093 Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

Non-Gravity Gravity Loc R+ / Rh /Rw /U /RL / R-317 /239 /60 770 D 45 1-1-141 18 1-C 48 1-/26 /20 1-Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface.

Members not listed have forces less than 375#

## Lumber

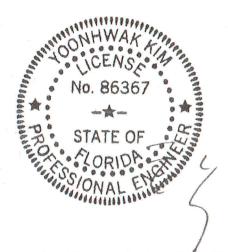
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 1-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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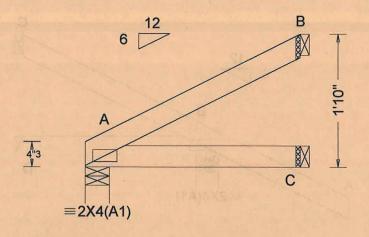
SEQN: 352247 FROM: CDM

JACK

Ply: Qty: 1

Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: J03A

Cust: R215 JRef: 1WWQ2150002 T26 DrwNo: 188,20,0919,10117 / YK 07/06/2020



2'11"11 2'11"11

| Loading Criteria (psf) | Wind Criteria                     |
|------------------------|-----------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7-10               |
| TCDL: 10.00            | Speed: 130 mph                    |
| BCLL: 0.00             | Enclosure: Closed                 |
| BCDL: 10.00            | Risk Category: II                 |
| Des Ld: 40.00          | EXP: C Kzt: NA                    |
|                        | Mean Height: 15.00 ft             |
| NCBCLL: 10.00          | TCDL: 5.0 psf                     |
| Soffit: 2.00           | BCDL: 5.0 psf                     |
| Load Duration: 1.25    | MWFRS Parallel Dist: h to 2h      |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft               |
|                        | Loc. from endwall: not in 9.00 ft |
|                        | GCpi: 0.18                        |
|                        | Wind Duration: 1.60               |
|                        |                                   |

| The second secon |
|--|
| Snow Criteria (Pg,Pf in PSF  |
| Pg: NA Ct: NA CAT: N.  |
| Pf: NA Ce: NA  |
| Lu: NA Cs: NA  |
| Snow Duration: NA  |
| Building Code:   |
| FBC 2017 RES   |
| TPI Std: 2014  |
| Rep Fac: Yes   |
| FT/RT:20(0)/10(0)  |
| Plate Type(s):   |
| WAVE   |

| _ |                                 |
|---|---------------------------------|
| 1 | Defl/CSI Criteria               |
| 4 | PP Deflection in loc L/defl L/# |
| į | VERT(LL): NA                    |
| 1 | VERT(CL): NA                    |
| ì | HORZ(LL): 0.001 C               |
|   | HORZ(TL): 0.003 C               |
| ì | Creep Factor: 2.0               |
| ī | Max TC CSI: 0.110               |
| Ì | Max BC CSI: 0.087               |
|   | Max Web CSI: 0.000              |
|   |                                 |
|   | (Single legis)                  |
|   | VIEW Ver: 19.02.02B.0122.15     |

|     |         | ravity   | ctions (  |           | on-Gra | vity |
|-----|---------|----------|-----------|-----------|--------|------|
| Loc | R+      | / R-     | /Rh       | / Rw      | /U .   | / RL |
| A   | 129     | 1-       | 1-        | /83       | 1-     | /28  |
| C   | 54      | 1-       | 1-        | /39       | 1-     | 1-   |
| В   | 80      | 1-       | 1-        | /42       | /15    | 1-   |
| Wir | nd rea  | ctions b | ased on   | MWFRS     |        |      |
| Α   | Brg V   | Vidth =  | 4.0       | Min Re    | q = 1. | 5    |
| C   | Brg V   | Vidth =  | 1.5       | Min Re    | q = -  |      |
| В   | Brg V   | Vidth =  | 1.5       | Min Re    | q = -  |      |
| Bea | aring A | is a rio | id surfac | e.        | PA TOP |      |
|     |         |          |           | orces les | s than | 375# |

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft

## Additional Notes

The overall height of this truss excluding overhang is 1-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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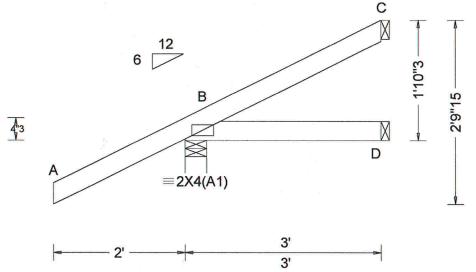
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 352432 **JACK** Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T11 FROM: CDM Qty: 17 Glenwood King's Personal Residence DrwNo: 188.20.0919.11453 Truss Label: J04 07/06/2020 / YK



| Loading  | Criteria (psf) |
|----------|----------------|
| TCLL:    | 20.00          |
| TCDL:    | 10.00          |
| BCLL:    | 0.00           |
| BCDL:    | 10.00          |
| Des Ld:  | 40.00          |
| NCBCLL   | : 10.00        |
| Soffit:  | 2.00           |
| Load Du  | ration: 1.25   |
| Spacing: | 24.0 "         |
| 10 701   |                |

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf

MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60

### Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

## Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.552 Max BC CSI: 0.121

Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15

|     |        | Gravity   | ctions (I |           | on-Gra | vity |
|-----|--------|-----------|-----------|-----------|--------|------|
| Loc | R+     | / R-      | / Rh      | / Rw      | / U    | / RL |
| В   | 317    | /-        | 1-        | /239      | /60    | 171  |
| D   | 45     | 1-        | 1-        | /41       | /8     | 1-   |
| C   | 49     | 1-        | /-        | 127       | /20    | 1-   |
| Win | d read | ctions b  | ased on   | MWFRS     |        |      |
| В   | Brg V  | Nidth =   | 4.0       | Min Re    | q = 1. | 5    |
| D   | Brg V  | Nidth =   | 1.5       | Min Re    | q = -  |      |
| C   | Brg V  | Nidth =   | 1.5       | Min Re    | q = -  |      |
| Bea | ring E | is a rig  | id surfac | e.        |        |      |
| Mer | nbers  | not liste | ed have f | orces les | s than | 375# |

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## Additional Notes

The overall height of this truss excluding overhang is 1-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEQN: 352220 JACK Ply: 1 Job Number: 20-4374 Cust R 215 JRef. 1WWQ2150002 T54 FROM: CDM Qty: 15 Glenwood King's Personal Residence DrwNo: 188.20.0919.12620 Truss Label: J05 / YK 07/06/2020 C 3'9"12 D  $\equiv 2X4(A1)$ 

| Loading | Criteria (psf) |
|---------|----------------|
| TCLL:   | 20.00          |
| TCDL:   | 10.00          |
| BCLL:   | 0.00           |
| BCDL:   | 10.00          |
| Des Ld: | 40.00          |
| NCBCLL  | .: 10.00       |
| Soffit: | 2.00           |
| Load Du | ration: 1.25   |

**Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes

FT/RT:20(0)/10(0)

Plate Type(s):

WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 D HORZ(TL): 0.006 D Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.231 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15

4'11"11 4'11"11

> ▲ Maximum Reactions (lbs) Non-Gravity Gravity / RL Loc R+ / R-/Rh /Rw /U В 376 /273 1-/60 199 86 1-D /64 119 /56 1-146 Wind reactions based on MWFRS Brg Width = 4.0 Min Reg = 1.5 Brg Width = 1.5 Min Reg = -Brg Width = 1.5 Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375#

## Lumber

Spacing: 24.0 "

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 2-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367

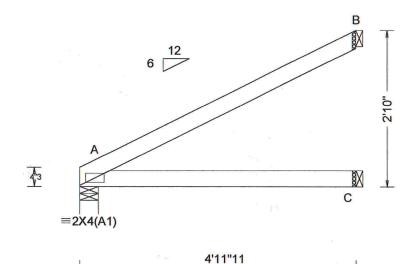
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6750 Forum Drive Orlando FL, 32821 SEQN: 352224 **JACK** Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T25 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0919.14040 Truss Label: J05A / YK 07/06/2020



4'11"11

| Loading Criteria (psf)   | Wind Criteria   | Snow Criteria (Pg,Pf in PSF)   | Defl/CSI Criteria   |
|--|---|--|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00 | Wind Std: ASCE 7-10<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA   |  | PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 C HORZ(TL): 0.012 C |
| NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 "  | Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 | Building Code:<br>FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s): | Creep Factor: 2.0 Max TC CSI: 0.357 Max BC CSI: 0.263 Max Web CSI: 0.000                      |
|  | Wind Duration: 1.60   | WAVE   | VIEW Ver: 19.02.02B.0122.15   |

|     | G       | ravity   |           | No           | on-Gra | vity |
|-----|---------|----------|-----------|--------------|--------|------|
| Loc | R+      | /R-      | / Rh      | / Rw         | / U    | /RL  |
| A   | 211     | /-       | 1-        | /137         | /-     | 147  |
| C   | 92      | /-       | 1-        | /67          | 1-     | 1-   |
| В   | 137     | 1-       | 7-        | <i>l</i> 71  | /26    | 1-   |
| Wir | id read | ctions b | ased on   | <b>MWFRS</b> |        |      |
| A   | Brg V   | Vidth =  | 4.0       | Min Re       | q = 1. | 5    |
| C   | Brg V   | Vidth =  | 1.5       | Min Re       | q = -  |      |
| В   | Brg V   | Vidth =  | 1.5       | Min Re       | q = -  |      |
| Bea | aring A | is a rig | id surfac | e.           |        |      |
|     |         |          |           | orces les    | s than | 375# |

## Lumber

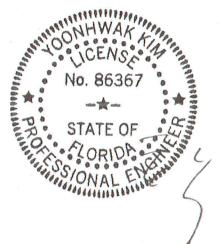
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## Additional Notes

The overall height of this truss excluding overhang is 2-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 352221 **EJAC** Job Number: 20-4374 Ply: Cust: R 215 JRef: 1WWQ2150002 T31 FROM: CDM Glenwood King's Personal Residence Qty: 6 DrwNo: 188.20.0919.15203 Truss Label: J06 / YK 07/06/2020 43 D

| Loading  | Citteria (psi) |
|----------|----------------|
| TCLL:    | 20.00          |
| TCDL:    | 10.00          |
| BCLL:    | 0.00           |
| BCDL:    | 10.00          |
| Des Ld:  | 40.00          |
| NCBCLL   | : 10.00        |
| Soffit:  | 2.00           |
| Load Du  | ration: 1.25   |
| Spacing: | 24.0 "         |
|          |                |

Loading Critoria (nch

**Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph **Enclosure: Closed** Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

### Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Cs: NA Lu: NA Snow Duration: NA **Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)

Plate Type(s):

WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 D HORZ(TL): 0.013 D Creep Factor: 2.0 Max TC CSI: 0.456 Max BC CSI: 0.354 Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

6'

| Gravity |        |          |           | Non-Gravity |          |      |
|---------|--------|----------|-----------|-------------|----------|------|
| Loc     | R+     | / R-     | / Rh      | / Rw        | / U      | / RL |
| В       | 413    | 1-       | 1-        | /296        | /62      | /114 |
| D       | 107    | 1-       | 1-        | 176         | 1-       | 1-   |
| C       | 152    | 1-       | 1-        | 174         | /58      | 1-   |
| Win     | d rea  | ctions b | ased on   | MWFRS       |          |      |
| В       |        | Nidth =  |           | Min Re      | q = 1.   | 5    |
|         |        | Vidth =  | 1.5       | Min Re      | q = -    |      |
| C       | Brg V  | Vidth =  | 1.5       | Min Re      | q = -    |      |
| Bea     | ring E | is a rig | id surfac | e.          | A 1915   |      |
| Bea     | ring E | is a rig | id surfac |             | No. 1911 | 375  |

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 3-4-3.



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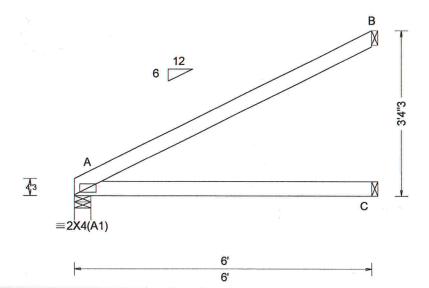
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SEQN: 352225 **EJAC** Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T32 FROM: CDM Qty: 5 Glenwood King's Personal Residence DrwNo: 188.20.0919.16450 Truss Label: J06A / YK 07/06/2020



| Loading Criteria (psf) TCLL: 20.00 Wind Criteria Wind Std: ASCE 7-10 |                     | Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA | Defl/CSI Criteria PP Deflection in loc L/defl L/# | ▲ Maximum Reactions Gravity |  |
|--|---------------------|--|---|-----------------------------|--|
| ١  | TCDL: 10.00         | Speed: 130 mph                                     | Pf: NA Ce: NA                                     | VERT(LL): NA                | Loc R+ /R- /Rh                         |
| ١  | BCLL: 0.00          | Enclosure: Closed                                  | Lu: NA Cs: NA                                     | VERT(CL): NA                | A 253 /- /-                            |
| ١  | BCDL: 10.00         | Risk Category: II EXP: C Kzt: NA                   | Snow Duration: NA                                 | HORZ(LL): 0.010 C           | C 112 /- /-                            |
| ١  | Des Ld: 40.00       | Mean Height: 15.00 ft                              |   | HORZ(TL): 0.021 C           | B 166 /- /-                            |
| ı  | NCBCLL: 10.00       | TCDL: 5.0 psf                                      | Building Code:                                    | Creep Factor: 2.0           | Wind reactions based o                 |
| ١  | Soffit: 2.00        | BCDL: 5.0 psf                                      | FBC 2017 RES                                      | Max TC CSI: 0.579           | A Brg Width = 4.0<br>C Brg Width = 1.5 |
|  | Load Duration: 1.25 | MWFRS Parallel Dist: 0 to h/2                      | TPI Std: 2014                                     | Max BC CSI: 0.400           | B Bra Width = 1.5                      |
| ١  | Spacing: 24.0 "     | C&C Dist a: 3.00 ft                                | Rep Fac: Yes                                      | Max Web CSI: 0.000          | Bearing A is a rigid surf              |
| ١  |                     | Loc. from endwall: Any                             | FT/RT:20(0)/10(0)                                 | 4.                          | Members not listed have                |
|  |                     | GCpi: 0.18   | Plate Type(s):                                    |                             | -                                      |
| ı  |                     | Wind Duration: 1.60                                | WAVE  | VIEW Ver: 19.02.02B.0122.15 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |

| Gravity |        |           | Non-Gravity |              |        |      |
|---------|--------|-----------|-------------|--------------|--------|------|
| Loc     | R+     | / R-      | / Rh        | /Rw          | / U    | /RL  |
| Α       | 253    | /-        | 1-          | /164         | /19    | /85  |
| C       | 112    | 1-        | 1-          | /81          | /1     | 1-   |
| В       | 166    | 1-        | 1-          | /86          | /62    | /-   |
| Win     | d read | ctions b  | ased on     | <b>MWFRS</b> |        |      |
| Α       | Brg V  | Vidth =   | 4.0         | Min Re       | q = 1. | 5    |
| C       | Brg V  | Vidth =   | 1.5         | Min Re       | q = -  |      |
| В       | Brg V  | Vidth =   | 1.5         | Min Re       | q = -  |      |
| Bea     | ring A | is a rig  | id surfac   | e.           | 17     |      |
| Mer     | nbers  | not liste | ed have f   | orces les    | s than | 375# |

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 3-4-3.



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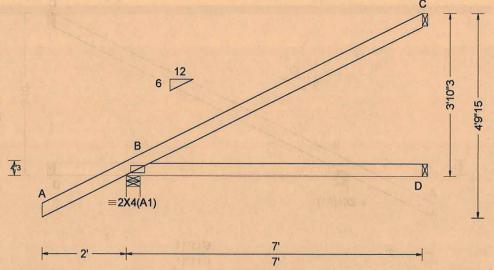
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 352214 EJAC Ply: Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T7 FROM: CDM Qty: 14 Glenwood King's Personal Residence DrwNo: 188.20.0919.17740 Truss Label: J07 / YK 07/06/2020



| Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00                          | Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph                                  | Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA | Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA           | ▲ Maximum Reactions (Ibs)  Gravity  Non-Gravity  Loc R+ / R- / Rh / Rw / U / RL   |
|---|---|--|--|---|
| BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00                              | Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft | Lu: NA Cs: NA<br>Snow Duration: NA                               | VERT(CL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.012 D<br>HORZ(TL): 0.024 D   | B 450 /- /- /319 /64 /128<br>D 127 /- /- /89 /- /-<br>C 182 /- /- /91 /69 /-  |
| NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist; h/2 to h C&C Dist a: 3.00 ft     | Building Code:<br>FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes  | Creep Factor: 2.0 Max TC CSI: 0.676 Max BC CSI: 0.498 Max Web CSI: 0.000 | Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. |
| #374 improvatualish if u  | Loc, from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60            | PT/RT:20(0)/10(0) Plate Type(s): WAVE                            | VIEW Ver: 19.02.02B.0122.15  | Members not listed have forces less than 375#   |

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 3-10-3.



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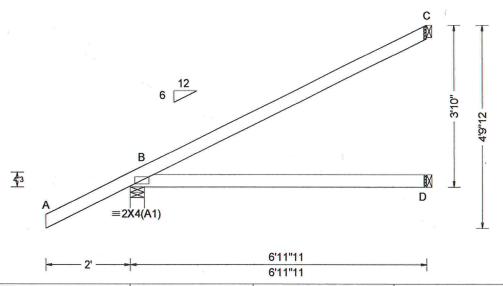
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 352211 JACK Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T53 FROM: CDM Qty: 4 Glenwood King's Personal Residence DrwNo: 188.20.0919.18890 Truss Label: J07A / YK 07/06/2020



| TCLL:      | 20.00       |
|------------|-------------|
| TCDL:      | 10.00       |
| BCLL:      | 0.00        |
| BCDL:      | 10.00       |
| Des Ld:    | 40.00       |
| NCBCLL:    | 10.00       |
| Soffit:    | 2.00        |
| Load Dura  | ation: 1.25 |
| Spacing: 2 | 24.0 "      |
|            |             |

Loading Criteria (psf)

| Wind Criteria            |
|--------------------------|
| Wind Std: ASCE 7-10      |
| Speed: 130 mph           |
| Enclosure: Closed        |
| Risk Category: II        |
| EXP: C Kzt: NA           |
| Mean Height: 15.00 ft    |
| TCDL: 5.0 psf            |
| BCDL: 5.0 psf            |
| MWFRS Parallel Dist: h/2 |
| 000 0: 1 0 00 0          |

| Risk Category: II                 |
|-----------------------------------|
| EXP: C Kzt: NA                    |
| Mean Height: 15.00 ft             |
| TCDL: 5.0 psf                     |
| BCDL: 5.0 psf                     |
| MWFRS Parallel Dist: h/2 to h     |
| C&C Dist a: 3.00 ft               |
| Loc. from endwall: not in 9.00 ft |
| GCpi: 0.18                        |
| Wind Duration: 1.60               |

### Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)

Plate Type(s): WAVE

| Defl/CSI Criteria PP Deflection in loc L/defl L.   | /# |
|--|----|
| VERT(LL): NA   |    |
| VERT(CL): NA   |    |
| HORZ(LL): 0.012 D -  | -  |
| HORZ(TL): 0.023 D -  | *  |
| Creep Factor: 2.0  |    |
| Max TC CSI: 0.670  |    |
| Max BC CSI: 0.494  |    |
| Max Web CSI: 0.000   |    |
|  |    |
| Landa de la companya |    |

| Defl/CSI Criteria               | ▲ Maximum Reactions (lbs) |         |           |             |              |         |      |
|---------------------------------|---------------------------|---------|-----------|-------------|--------------|---------|------|
| PP Deflection in loc L/defl L/# | Gravity                   |         |           | Non-Gravity |              |         |      |
| VERT(LL): NA                    | Loc                       | R+      | / R-      | / Rh        | / Rw         | /U      | / RL |
| VERT(CL): NA                    | В                         | 449     | 1-        | 1-          | /319         | /64     | /128 |
| HORZ(LL): 0.012 D               | D                         | 126     | 1-        | 1-          | /88          | 1-      | 1-   |
| HORZ(TL): 0.023 D               | C                         | 182     | 1-        | /-          | /91          | /69     | 1-   |
| Creep Factor: 2.0               | Wii                       | nd rea  | ctions b  | ased on I   | <b>MWFRS</b> |         |      |
| Max TC CSI: 0.670               | В                         | Brg \   | Vidth =   | 4.0         | Min Re       | q = 1.8 | 5    |
| Max BC CSI: 0.494               | D                         | Brg \   | Nidth =   | 1.5         | Min Re       | q = -   |      |
| Max Web CSI: 0.000              | C                         | Brg \   | Nidth =   | 1.5         | Min Re       | q = -   |      |
| Max Web CSI. 0.000              | Bea                       | aring E | is a rig  | id surfac   | e.           |         |      |
|                                 | Me                        | mbers   | not liste | ed have f   | orces les    | s than  | 375# |
| VIEW Ver: 19.02.02B.0122.15     |                           |         |           |             |              |         |      |

## Lumber

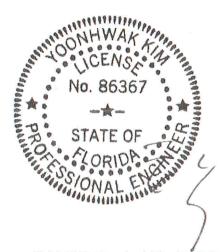
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 3-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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SEQN: 352435 COMN Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T42 FROM: CDM Glenwood King's Personal Residence Qty: 2 DrwNo: 188.20.0919.20170 Truss Label: K01 07/06/2020 / YK 4'6" 9 4'6' 4'6' =4X4 2'7"3 4 3 F ∥2X4 =2X4(A1 =2X4(A1)4'6' 4'6" 4'6" ▲ Maximum Reactions (lbs) Loading Criteria (psf) **Wind Criteria** Snow Criteria (Pg,Pf in PSF) **Defl/CSI Criteria** Wind Std: ASCE 7-10 Ct: NA CAT: NA Gravity Non-Gravity TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ / R-/Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.006 F 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.011 F 999 180 В 504 /337 142 /107 Risk Category: II 10.00 HORZ(LL): 0.002 F BCDL: Snow Duration: NA 504 /228 /93 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.004 F Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 4.0 Min Req = 1.5 **Building Code:** Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 **FBC 2017 RES** Max TC CSI: 0.330 Soffit 2.00 BCDL: 5.0 psf Bearings B & D are a rigid surface. TPI Std: 2014 Max BC CSI: 0.180 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.068 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 Wind Duration: 1.60 VIEW Ver: 19.02.02B.0122.15 WAVE

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## Wind

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 352438 COMN Ply: 1 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T41 FROM: CDM Qty: 2 Glenwood King's Personal Residence DrwNo: 188.20.0919.21740 Truss Label: K02 / YK 07/06/2020 4'6" 9' 4'6' 4'6" =4X4 B 43 D |||2X4  $\equiv 2X4(A1)$  $\equiv$ 2X4(A1)

4'6"

4'6"

| Loading Criteria (psf) | Wind Criteria  | Snow Criteria (Pg,Pf in PSF)        | Defl/CSI Criteria  | ▲ Maximum Reactions (Ib  | os) en juri         |
|------------------------|--|-------------------------------------|--|--|---------------------|
| TCLL: 20.00            | Wind Std: ASCE 7-10  | Pg: NA Ct: NA CAT: NA               | PP Deflection in loc L/defl L/#  | Gravity  | Non-Gravity         |
| TCDL: 10.00            | Speed: 130 mph   | Pf: NA Ce: NA                       | VERT(LL): 0.005 D 999 240  | Loc R+ /R- /Rh   | /Rw /U /RL          |
| BCLL: 0.00             | Enclosure: Closed  | Lu: NA Cs: NA                       | VERT(CL): 0.010 D 999 180  | A 371 /- /-  | /213 /5 /56         |
| BCDL: 10.00            | Risk Category: II<br>EXP: C Kzt: NA  | Snow Duration: NA                   | HORZ(LL): 0.002 D  | C 371 /- /-  | /213 /5 /-          |
| Des Ld: 40.00          | Mean Height: 15.00 ft  |                                     | HORZ(TL): 0.005 D  | Wind reactions based on M  |                     |
| NCBCLL: 10.00          | Control of the Contro | Building Code:                      | Creep Factor: 2.0  | A Brg Width = 4.0  | Min Req = 1.5       |
| Soffit: 2.00           | TCDL: 5.0 psf  | FBC 2017 RES                        | Max TC CSI: 0.176  | C Brg Width = 4.0  | Min Req = 1.5       |
| Load Duration: 1.25    | BCDL: 5.0 psf  | TPI Std: 2014                       | Max BC CSI: 0.213  | Bearings A & C are a rigid   | surface.            |
|                        | MWFRS Parallel Dist: h to 2h   | 11.1 -11.1 -11.1                    | minning a figure and on the contract of the co | Members not listed have for  | rces less than 375# |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft  | Rep Fac: Yes                        | Max Web CSI: 0.074   | Maximum Top Chord For  | ces Per Ply (lbs)   |
| e e san                | Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18  | FT/RT:20(0)/10(0)<br>Plate Type(s): | offer and  | The state of the s | Chords Tens. Comp.  |
| 7 ,                    | Wind Duration: 1.60  | WAVE                                | VIEW Ver: 19.02.02B.0122.15  | A - B 215 -498 E   | 3 - C 215 -498      |

4'6"

9'

## Lumber

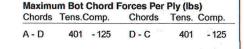
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 2-7-3.





FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 352226 FROM: CDM

MONO Ply: 1

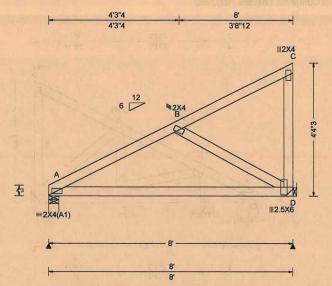
Qty: 1

Job Number: 20-4374 Glenwood King's Personal Residence

Truss Label: M01

Cust: R 215 JRef: 1WWQ2150002 T38

DrwNo: 188.20.0919.23673 / YK 07/06/2020



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 10.00 BCDL: Des Ld: 40.00 **NCBCLL: 10.00** Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph

Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: NA Pf: NA Lu: NA Cs: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

**Defl/CSI Criteria** 

Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.009 D 999 240 VERT(CL): 0.028 D 999 180 HORZ(LL): 0.005 D HORZ(TL): 0.016 D Creep Factor: 2.0 Max TC CSI: 0.331 Max BC CSI: 0.579 Max Web CSI: 0.127

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

Gravity Non-Gravity Loc R+ / R-/Rw 10 / RL 336 /218 /26 323 1-1224 /85 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5

Brg Width = -Min Req = -Bearing A is a rigid surface.

Members not listed have forces less than 375#

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

The overall height of this truss excluding overhang is 4-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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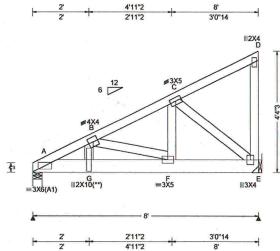
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SEQN: 352374 MONO Ply: 2 Job Number: 20-4374 Cust: R 215 JRef: 1WWQ2150002 T16 FROM: CDM Qty: 1 Glenwood King's Personal Residence DrwNo: 188.20.0919.27990 Page 1 of 2 Truss Label: M02 / YK 07/06/2020

2 Complete Trusses Required



Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria

| TCLL: 20.00<br>TCDL: 10.00                     | Wind Std: ASCE 7-10<br>Speed: 130 mph   | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA                            | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.020 G 999 240   |
|--|---|---|--|
| BCLL: 0.00<br>BCDL: 10.00                      | Enclosure: Closed<br>Risk Category: II  | Lu: NA Cs: NA<br>Snow Duration: NA                                | VERT(CL): 0.040 G 999 180<br>HORZ(LL): -0.008 D  |
| Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00 | EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf                               | Building Code:<br>FBC 2017 RES<br>TPI Std: 2014                   | HORZ(TL): 0.015 D Creep Factor: 2.0  Max TC CSI: 0.155  Max BC CSI: 0.286  |
| Load Duration: 1.25<br>Spacing: 24.0 "         | MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18 | Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/10(0)<br>Plate Type(s): | more and parties and an analysis and an analys |
|  | Wind Duration: 1.60   | WAVE  | VIFW Ver: 19.02.02B.0122.15  |

| A M | axim                            | ım Rea    | ctions (    | lbs)                         |             |       |
|-----|---------------------------------|-----------|-------------|------------------------------|-------------|-------|
|     | G                               | ravity    |             | Non-Gravity                  |             |       |
| Loc | R+                              | / R-      | / Rh        | /Rw                          | / U         | /RL   |
| Α   | 2581                            | /-        | 1-          | 1-                           | /326        | 1-    |
| E   | 1490                            | 1-        | 1-          | 1-                           | /129        | 1-    |
| Wir | d read                          | ctions ba | ased on     | <b>MWFRS</b>                 |             |       |
| Α   | 보다 마양드레이 경찰 잃었다. 맛없는 요즘 얼굴하다 그래 |           |             | Min Req = 1.5<br>Min Req = - |             |       |
| E   |                                 |           |             |                              |             |       |
| Bea | ring A                          | is a rigi | d surfac    | e.                           |             |       |
|     |                                 |           |             | forces les                   | s than :    | 375#  |
|     |                                 |           | THE RESERVE | rces Per                     | A GALGOOD ! |       |
|     |                                 |           |             | Chords                       |             |       |
|     | 977                             |           |             |                              |             |       |
| A - | В                               | 286 -2    | 2365        | B - C                        | 92          | - 987 |

Maximum Bot Chord Forces Per Ply (lbs)

Chords

Webs

F-C

C-E

Tens. Comp

Tens. Comp.

93 - 1017

956

-72

-53

787

Chords Tens.Comp.

2100 - 253

2018 - 243

Tens.Comp.

1016 - 128

177 - 1219

Maximum Web Forces Per Ply (lbs)

A-G

G-F

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Loading Criteria (psf) Wind Criteria

## Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.50" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

## Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at 10 plf at 0.00 to 0.00 to TC: From 62 plf at 8.00 10 plf at 8.00 BC: 2566 lb Conc. Load at 2.06 BC: 463 lb Conc. Load at 4.06, 6.06

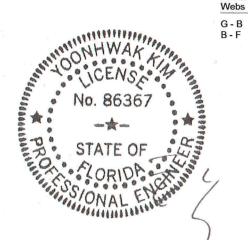
## **Plating Notes**

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 4-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367

07/06/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 352374 MONO Ply: 2 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T16 FROM: CDM Glenwood King's Personal Residence DrwNo: 188 20 0919 27990 Qty: 1 Page 2 of 2 Truss Label: M02 / YK

## Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=7'9" uses the followin support conditions: 7'9"
Bearing E (7'9", 9') HGUS26-2
Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported uses the following member.



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07/06/2020

SEQN: 352330 FROM: CDM

MONO Ply: 1

Qty: 2

Job Number: 20-4374

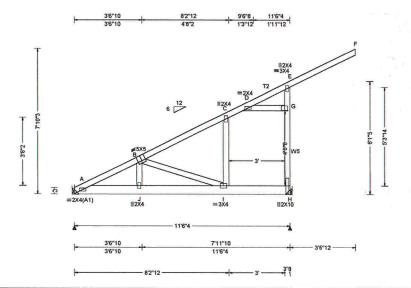
Glenwood King's Personal Residence

Truss Label: M03

Cust: R 215 JRef: 1WWQ2150002 T39 DrwNo: 188.20.0919.33123

/ YK

07/06/2020



| ١ | Loading    | Criteria (ps |
|---|------------|--------------|
| ١ | TCLL:      | 20.00        |
| ١ | TCDL:      | 10.00        |
| Ì | BCLL:      | 0.00         |
|   | BCDL:      | 10.00        |
|   | Des Ld:    | 40.00        |
|   | NCBCLL:    | 10.00        |
| l | Soffit:    | 2.00         |
| ĺ | Load Dura  | ation: 1.25  |
| ١ | Spacing: 2 | 24.0 "       |
| ı |            |              |

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft

GCpi: 0.18 Wind Duration: 1.60

### Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

### Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.120 C 999 240 VERT(CL): 0.217 C 628 180 HORZ(LL): 0.057 C HORZ(TL): 0.103 C Creep Factor: 2.0 Max TC CSI: 0.383 Max BC CSI: 0.271

Max Web CSI: 0.362 VIEW Ver: 19.02.02B.0122.15

### ▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ / R-/ Rh /Rw /U 463 /291 /143 838 1-1447 /105 1-Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = -Min Reg = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

A-B 62 -875

## Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E Webs: 2x4 SP #3; W5 2x4 SP M-31;

## Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

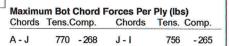
## Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

The overall height of this truss excluding overhang is 7-10-3.



### Maximum Web Forces Per Ply (lbs) Webs Tens. Comp. Tens.Comp. Webs B-1 274 - 760 G-H 518 - 559 G-E 520 - 546



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

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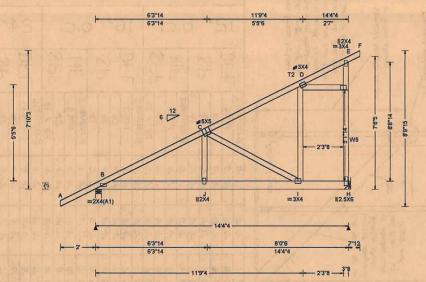
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 352333 MONO Plv: 1 Job Number: 20-4374 Cust: R215 JRef: 1WWQ2150002 T13 FROM: CDM Qty: 2 Glenwood King's Personal Residence DrwNo: 188.20.0919.36943 Truss Label: M04 / YK 07/06/2020



| ı | The state of the s |    |
|---|--|----|
| ı | TCLL: 20.00  | 1  |
| ı | TCDL: 10.00  | 1  |
| ı | BCLL: 0.00   | E  |
| ı | BCDL: 10.00  | F  |
| ı | Des Ld: 40.00  | E  |
| ı | NCBCLL: 10.00  | 1  |
| i | Soffit: 2.00   | E  |
|   | Load Duration: 1.25  | N  |
|   | Spacing: 24.0 "  | 10 |
| ı | Opacing. 24.0  | 1  |
| 1 |  |    |

Loading Criteria (psf) Wind Criteria Vind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft .oc. from endwall: not in 9.00 ft

GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

**Building Code: FBC 2017 RES** TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

## **Defl/CSI Criteria**

PP Deflection in loc L/defl L/# VERT(LL): 0.146 D 999 240 VERT(CL): 0.275 D 620 180 HORZ(LL): 0.067 D HORZ(TL): 0.126 D Creep Factor: 2.0 Max TC CSI: 0.408 Max BC CSI: 0.469 Max Web CSI: 0.618

VIEW Ver: 19.02.02B.0122.15

Loc R+ /Rh /RL / R-/Rw /U В /506 750 /12 /162 701 1416 174 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = -Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Non-Gravity

Chords Tens.Comp.

B-C 33 - 953

▲ Maximum Reactions (lbs)

Gravity

## Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W5 2x4 SP M-31;

## Hangers / Ties

(J) Hanger Support Required, by others

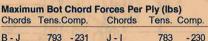
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

## **Additional Notes**

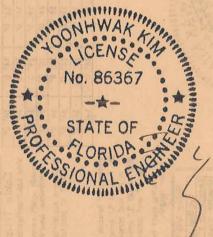
The overall height of this truss excluding overhang is



793 - 231 J-1 783

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp.

424 C - I 251 -845



FL REG# 278, Yoonhwak Kim, FL PE #86367 07/06/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

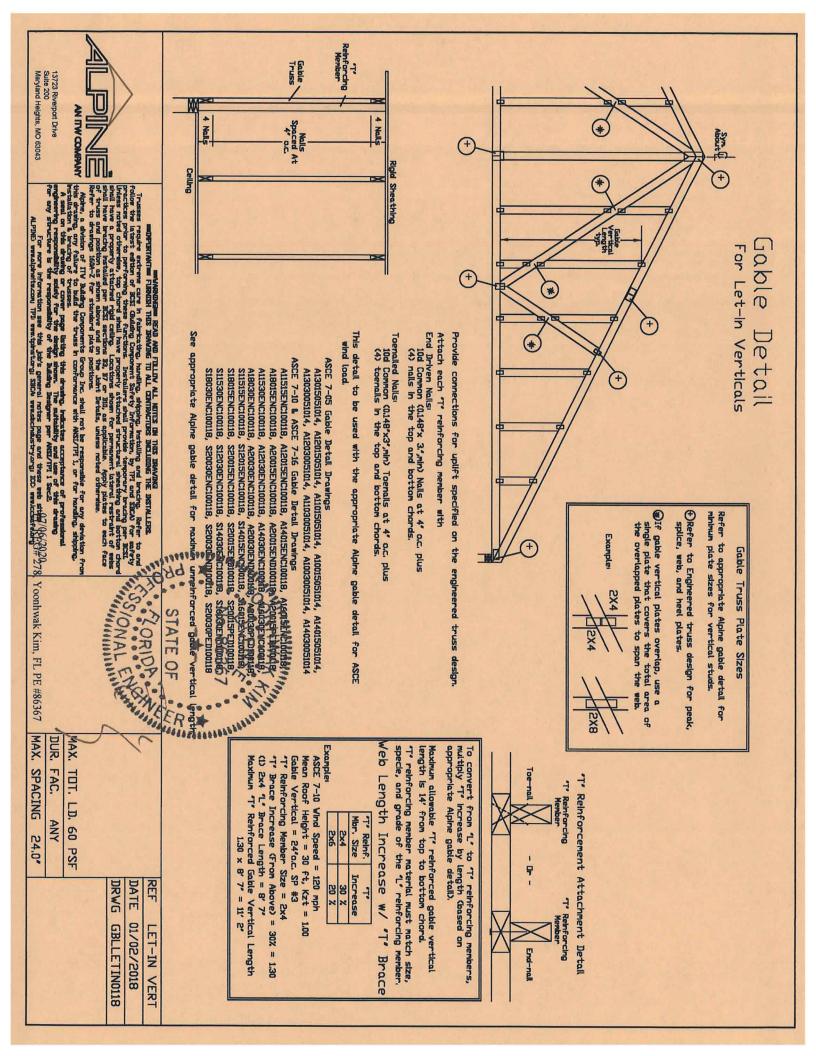
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

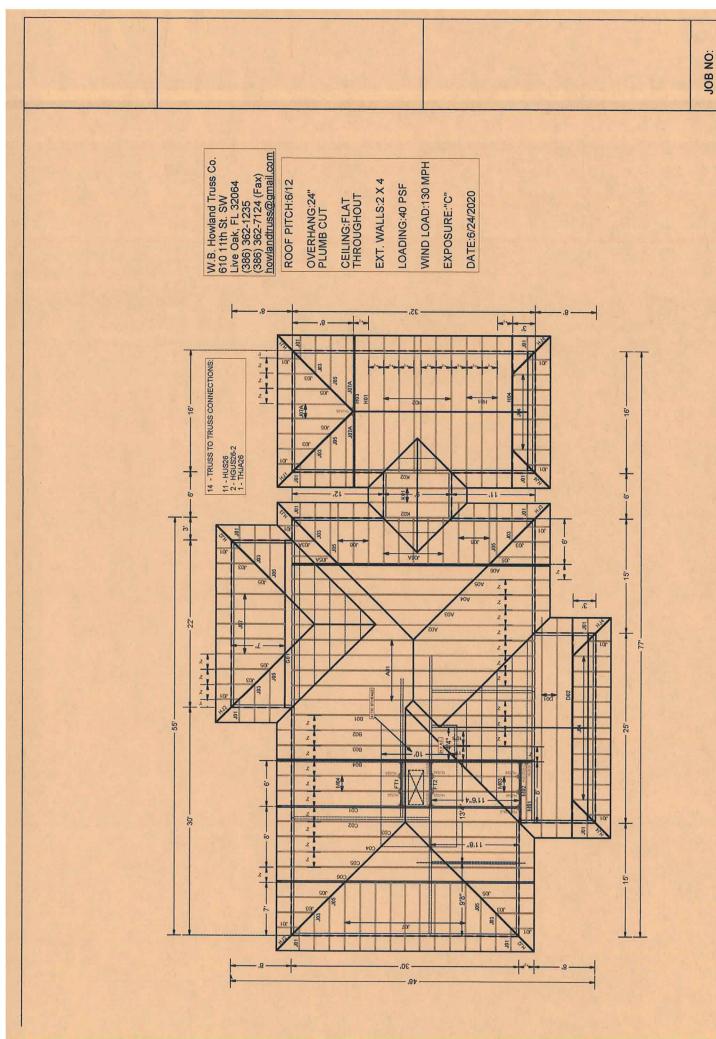
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Diagonal brace options vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web Gable Vertical total length is 14". Length Max Vertical length shown in table above. 13723 Riverport Drive Suite 200 Maryland Heights, MO 63043 pacing Species Grade 12" 24" 16" O.C. 0,0 O.C. 2x4
Gable Vertical SPF SPF SPF DFL 머 SP SP SP ASCE 7-10: Standard #1 \$tandard #1 #2 #3 Standard Standard Stud Stud Stud Stud #3 **#** # # Brace A seal on 'this driving or cover page listing this drawing, indicates accompliance of professional engineering responsibility sould year the design streem. The softwality and use of this drawing for engy structure is the responsibility of the Auding besigner per ARCOTT I Sec.2. majoranism makes mean and milling AL annes in the provide the control of the cont Gable Truss No Braces 5, 3, ω U تر 1, 4' 8" 4' 0" 4' 8" 4, 8, 4' 11' 140 better diagonal brace; single or double cut (as shown) at Group A 6 2x4 IF-L #2 or Mph de ດ໌ ຜ 6' 11' 8' 1' 1x4 "L" Brace # tion see this job's general notes page and these web sites: vi IPD www.tohrst.ang/ SBCN/ www.sbc.indus.try.ang/ IDO www.iccsafe.ang 777 Group B Wind Speed, 15' Mean Height, 8, 9, 7' 5' 8, 6, 120 mph Vind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00 120 mph Vind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00 100 mph Vind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00 Gable Stud Reinforcement Group A (1) 2x4 "L" Brace # (2) 2x4 "L" Brace ## (1) 2x6 "L" Brace # (2) 2x6 "L" Brace 9' 8' Group B 10' 1" gé Group A Group B 12' 4' 12' 1" Group A WAX THE Enclosed, Detail Group B 14' 0" 14' 0" 14' 0" 14' 0° 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 11' 10" 13' 4" ಧ Group A Exposure MAX. MAX. Group B • 14' 0" 14, 0, 14' 0" 14' 0 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" T0T. SPACING Ę. Ç Refer to the Building Designer for conditions not addressed by this detail. ※ For (1) '1' brace: space nails at 2' oc. in 18' end zones and 4' oc. between zones. ※※等for (2) '1' braces space nails at 3' oc. in 18' end zones and 6' oc. between zones. Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load). "L" bracing must be a minimum of 80% of web member length. Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang. Attach "L" braces with 10d (0.128"x3.0" min) nails Wind Load deflection criterion is L/240. 1x4 Braces shall be SRB (Stress-Rated Board) Spruce-Pine-Fir #1 / #2 Standard #3 Stud Bracing Group Species and Douglas Fir-Larch Douglas Fir-Larch #3 Stud Standard + Refer to common truss design for peak, splice, and heel plates. Gable Truss Detail Notes For 1x4 Sa. Pine use only Industrial 55 or Industrial 45 Stress—Rated Boards. Group I values may be used with these grades. 60 スメナ Vertical Length Less than 4' 0' Greater than 4' 0' 24.0 Gable Vertical Plate Sizes PSF 11 DRWG DATE Group B 元 a Btr Group A 1,00 A14015ENC101014 10/01/14 ASCE7-10-GAB14015 齿壳 Southern Piness Standard No Splice 1X4 or 2X3 3X4 Hem-Fir Grades Standard





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